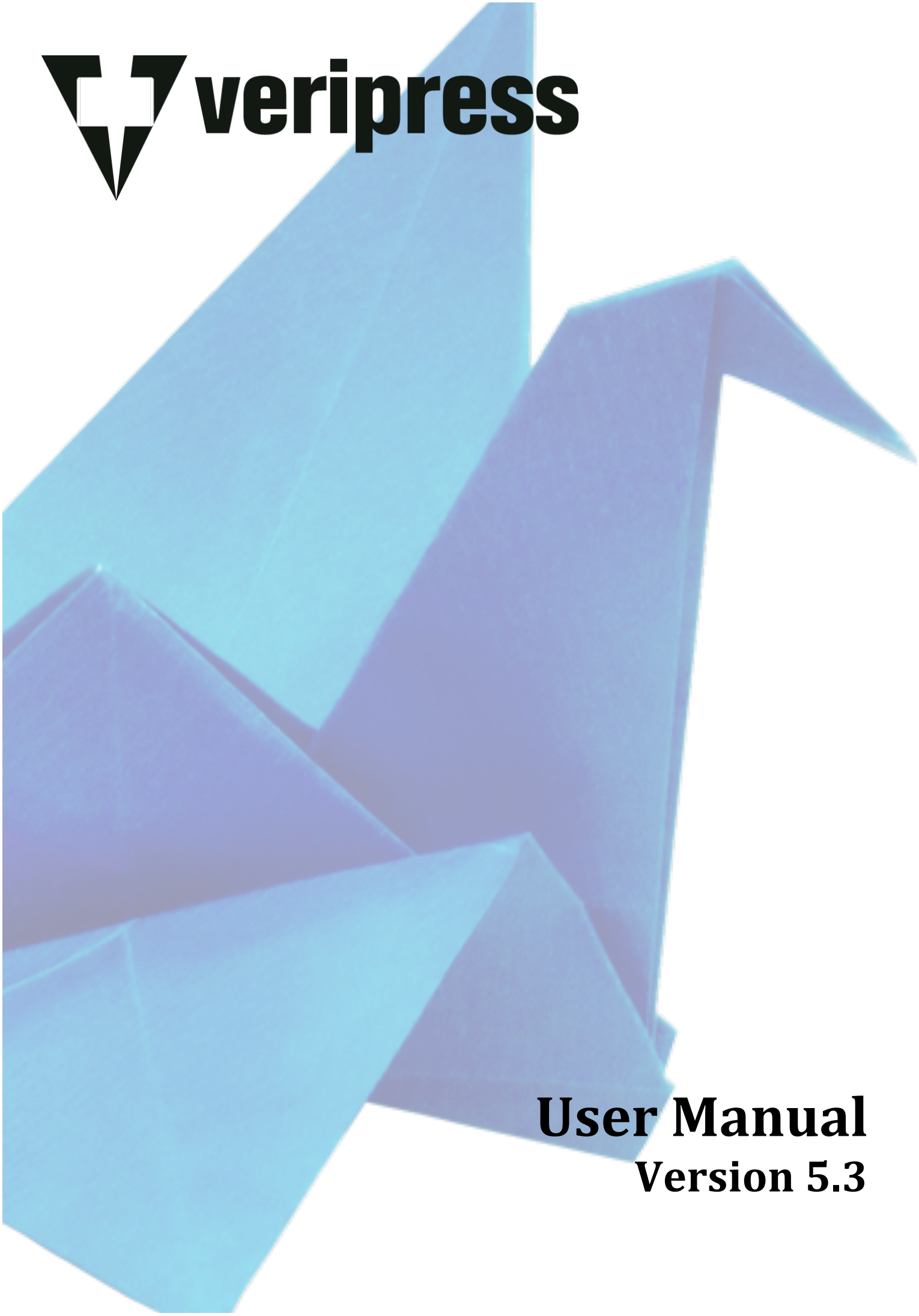

User Manual

Version 5.3

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Veripress User Manual

Important Notice

Every effort is made to ensure the information contained within this user manual is correct. Serendipity Software Pty Ltd cannot be held responsible for any errors contained within this user manual and will not enter into any negotiations for claims of compensation relating to actions taken resulting from the information provided in this user manual for any reason whatsoever.

Serendipity Software Pty Ltd is constantly making improvements to the software and as such, this user manual may not contain the latest information. Every effort is made to maintain the user manual and for the latest version please check the website:

http://www.serendipity-software.com.au

If you find any errors within this user manual, please detail them in an email to: support@serendipity-software.com.au

Supporting Tutorial and HowTo documentation is available on our website:

http://www.serendipity-software.com.au/support

Product Overview

Veripress is used to accurately softproof post-RIP data on a calibrated monitor, replacing hardcopy proofs in the print production process.

Veripress runs in a Server and Client configuration. The Server runs on a network computer and is protected by a USB dongle. The dongle licenses the level of software and the input filters and output drivers purchased.

The Client is used as the configuration tool and monitoring application for the Server. It can be run on the same machine, or on another locally (LAN) or remotely (WAN) networked computer. The Client connects to the Server via standard TCP/IP network protocol and is not licensed, so it can be run multiple times on the network.

Veripress has an input filter for most of the major manufacturers proprietary RIPs. The input filters read the native RIP format and understand how jobs are assembled, the plates associated with a job and the directory structure. RIPs that include databases and impositions are also read and understood. Jobs are proofed using the same post-RIP data that goes to the press, thus maintaining data integrity and accuracy of the proofs.

Files are ripped once by the proprietary RIP and output as many times as desired. The jobs reside on the RIP, are monitored by the Veripress Server and are displayed by the Client in the RIPMonitor, with all associated plates stitched together. The files can be selected and submitted for processing by the Server as desired, or can be configured to process automatically. At the processing point, jobs are copied (spooled) over from the RIP to the Server, leaving the original untouched. Once the whole job is spooled, the Server begins to work on the files.

Imaging is the first process to take place. Imaging interprets the file format, completes any imposition assembling required (for supported imposition RIPs) or any merging of CT/LW files, preserves any screening on the files and samples the jobs resolution to change it to that of the output format configured. An intermediate file format is created at this point, called the Imaged File. The Imaged File can be viewed using the SoftProof utility. The file format maintains all the plates associated with the job and is viewed at the full output resolution. The Imaged File can also be re-submitted at any time for processing to the same or a different output. There is no need to spool and interpret the job again.* Many Veripress workflows will primarily use these imaged files for proofing.

After the imaging process has completed, the job is passed to the rendering engine. This takes the Imaged File and creates the file ready for output. The process includes applying any output characteristics such as orientation, cropping, colour management (ICC Profiles) and creation of the output file.

The Imaged File can be rendered as many times as desired. Each time, any of the output characteristics can be changed prior to rendering. Once the job is rendered, it is saved internally as a Serendipity Blackmagic Image file and can be forwarded to a remote location for viewing.

The Client monitors the whole process from start to finish, showing a jobs progress in a QueueManager and QueueStatus window. Jobs can be managed separately by placing a job on hold, releasing a job, cancelling or promoting as desired. The processes (queues) can be paused at any time, holding all jobs from spooling, imaging & rendering. If a job fails, the error can be examined, rectified and the job retried. There are logs reporting all Server and Client functionality and job information from first detection on the RIP to final output. The logs can be searched, filtered or saved to a file.

Jobs in the QueueManager can be loaded and proofed in a press room environment to a calibrated monitor; controlled using an attached touch screen.

The system creates a database of all configurations, calibration curves and other settings. This database can be backed-up on demand or automatically, so a working copy is always available. It can be copied to any other Veripress as a whole database or as individual items.

*This applies to any output characteristics. If any changes are required for the Imaged File, e.g., changing plates, resolution etc, the file will need to be re-submitted from the RIPMonitor.

Installation

The installation section describes the process for each platform in turn.

The software is supplied on one DVD for Macintosh, Linux and Windows versions. All versions come with a dongle and require a dongle driver be installed. Existing installations of the software are given the opportunity to upgrade, preserving any existing configurations.

What's on the DVD?

The DVD contains all elements required to run Veripress and associated programs.

They are divided into directories, detailed below:

- **Agent** – Contains the Agent software for all supported platforms. Choose the subdirectory that matches the required operating system.
- **Docs** – Contains all documentation.
- **Dongle** – Contains the dongle drivers for Linux, MacOSX and Windows.
- **Drivers** – Contains the Megarip PPDs for all supported platforms.
- **Extras** – Contains additional components and print drivers loaded as part of the install process.
- **HTML** – Contains the information required for the web browser install. This automatically launches the default browser for installation to begin.
- **Linux** – Contains the Veripress and AppleTalk installation packages for Linux.
- **MacOSX** – Contains the Veripress installation package for MacOSX.
- **Serendipity Client** – Contains the Serendipity Client for all supported platforms.
- **Testprn** – Contains Serendipity internal test prints.
- **Windows** – Contains the Veripress installation package for Windows.

Windows Installation

Administrator rights are required to install Veripress and the Serendipity Agent. If upgrading from an existing installation to version 5.3, see "Upgrading to Version 5.3" within this manual.

Installing the Dongle Driver – Windows

The first step is to install the dongle driver.

To install:

1. Remove all SuperPro USB dongles.
2. On the DVD, navigate to the **dongle/windows** folder.
3. Double click the ***Sentinel Protection Installer.exe*** file to launch the installer.
4. Follow the onscreen instructions to complete the installation.
5. Restart the computer when finished.

Installing Veripress

The next step once the dongle driver is installed is to install Veripress. There are two (2) Windows files available for installation – **32 bit** or **64 bit** version. Select the appropriate file for your system to install.

1. Either select and run the Veripress installer by clicking the link on the browser page (if it pops up as an Autoplay when the disk is inserted), or go to the DVD and navigate to the **Windows** directory to run the file ***Veripress.msi (32 or 64 bit version).***
2. Follow the onscreen instructions to complete the installation.

Note: You can type your own path and the installation program will make the folder for you, provided your chosen location has valid permissions. Use back slashes (\) to separate directories.

Installation of the Serendipity Agent

If you are polling a RIP (or RIP folder) on a Windows machine, the most efficient method is to use the Serendipity Remote Agent. This runs a service on the Windows machine where the RIP is located. Veripress communicates with the Agent to poll and transfer jobs.

To install:

1. Either
    a. Select and run the Veripress installer by clicking the link on the browser page (if it pops up as an Autoplay when the disk is inserted), or
    b. Run the **agent32.msi (32-bit)** or **agent64.msi (64-bit)** file, located in the **/agent/windows** folder of the installation DVD.
2. Follow the onscreen instructions to complete the installation.

Once the installation has finished, proceed to the "Running the Software" section of this manual.

Mac OS X Installation

Administrator rights are required to install Veripress and the Serendipity Agent. If upgrading from an existing installation to version 5.3, see the "Upgrading to Version 5.3" section within this manual.

Installing the Dongle Driver

The first step is to install the dongle driver.

To install:

1. Remove all SuperPro USB dongles.
2. On the DVD, navigate to the **dongle/macosx** folder.
3. Double click the ***Sentinel System Driver.pkg*** file to launch the installer.
4. Follow the onscreen instructions to complete the installation.
5. Restart the computer when finished.

Installing the Serendipity Printer Drivers

The Serendipity Printer Drivers are used when setting up a Published Pagesetup for printing (or proofing) from a third party application (e.g. Photoshop) directly to Veripress.

The installation package is located on the Veripress 5.3 Installation DVD:

1. Navigate to the **/drivers/mac** folder and run the file ***Serendipity Printer Drivers.pkg***
2. An installer window will appear. Follow the prompts to complete the installation of the drivers. The installer will require administrator access privileges.

Installing Veripress

1. Go to the **macosx** folder on the Veripress installation DVD.
2. Double click the file ***Veripress.pkg*** to launch the installer.
3. Follow the onscreen instructions to complete the installation.

Important note: Before starting the software after installation, see the **Running the Software** section (Mac OS X only).

Installation of the Serendipity Agent

If you are polling a RIP (or RIP folder) on a Mac OS X machine, the most efficient method is to use the Serendipity Remote Agent. This runs a service on the Mac OS X machine where the RIP is located. Veripress communicates with the Agent to poll and transfer jobs.

To install:

1. Select and run ***Serendipity Agent.pkg*** file located in the **agent/macosx** folder on the installation DVD.
2. Follow the onscreen instructions to complete the installation.

Once the installation has finished, proceed to the "Running the Software" section of this manual.

Creating Dock Start Icons

To make it easy when starting the Server and Client, it is recommended you create a Dock shortcut. To do this:

1. Run the Veripress Server and Client applications from the installation location.
2. Once the Server and Client icons appear in the dock, right click (or CTRL+click) the mouse and select Keep in Dock from the menu.
3. Alternatively, drag the Server and Client icons directly onto the Dock before they have been launched.
4. To remove the Dock icons, drag them off the dock with the mouse onto the desktop and release.

Linux Installation

Installing the Dongle Driver

The first step is to install the dongle driver.

To install:

1. Remove all SuperPro USB dongles.
2. Navigate to the **dongle/linux** folder on the installation DVD.
3. Double click the ***sntl-sud-7.5.1-0.i386.rpm*** file to install the driver.

Installing Veripress

Important Note: Before installing on a Linux x64 operating system, please ensure the following i686 (32-bit) libraries are installed.

- libstdc++.i686 GNU Standard C++ Library
- mesa-libGLU.i686 Mesa libGLU runtime library
- zlib.i686 The zlib compression and decompression library
- freetype.i686 A free and portable font rendering engine
- libXrender.i686 X.Org X11 libXrender runtime library
- fontconfig.i686 Font configuration and customisation library
- glib2.i686 A library of handy utility functions
- libpng.i686 A library of functions for manipulating PNG image format files
- libSM.i686 X.Org X11 Sm runtime library

If the Package Installer can not locate the libraries, open a terminal window, go to the /root directory and install each library using the following command:

yum install ***name of library***

To Install Veripress

1. Navigate to the **linux** folder on the installation DVD.
2. Double click the ***install.sh*** file and select "Run in Terminal".
3. A terminal window will popup and the installer will display the default installation directory.
4. Press Enter to install or type an alternative path then press Enter.

Note: If using an alternate install path, ensure the folder exists and that the current user has read/write/execute permissions for the folder.

5. When the installation is complete the terminal window will close.

Once the installation has finished, proceed to the "Running the Software" section of this manual.

Upgrading to Version 5.3

This section details upgrading an existing Veripress installation to version 5.3. The installer automatically upgrades the existing database to the current 5.3 format. As a precaution before upgrading, it is recommended that the Veripress database and ICC profiles are backed-up using the Archives application (see Windows Upgrade or Mac OS X Upgrade sections for details), or by copying the database directories (see Copying the Database and ICC Folders section for details).

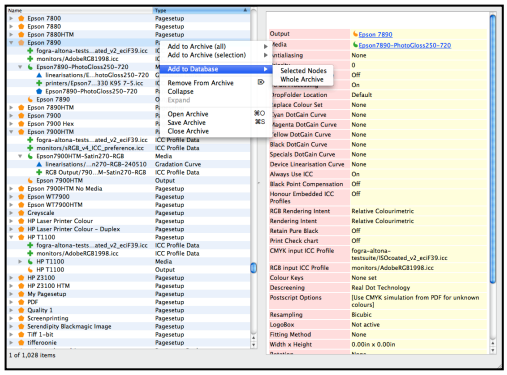
Important Note: Pagesetups imported from Version 3 archives will automatically be split into Media and Pagesetup data types but remain functionally linked. Version 5.3 archives cannot be opened or imported into previous versions of Veripress.

Windows – Upgrading to Version 5.3

Archiving Current Installations

To Archive a Database:

1. Run the existing Veripress Server and Serendipity Client.
2. Go to the Serendipity Client Application menu > Archives (This application is called Archiver in earlier versions).
3. Select File menu > Perform Full Backup.
4. Alternatively, select Edit menu > Add to Archive (All) and add all database items to the archive file, or right click in the Archives window and select Add to Archive (All) > Everything from the contextual menu.
5. Once all database items have appeared in the Archives window, select File menu > Save Archive to save the **.sdb** archive file to a chosen location.
6. Close the Archives application when finished.



Installing the Dongle Driver Update

Version 5 dongles (new or upgraded) require an up-to-date Safenet dongle driver in order to function.

To upgrade:

1. Make sure the Veripress Server and Client are not running and remove any Veripress (or any other SuperPro USB) dongles from the computer.
2. On the Veripress installation DVD, navigate to the **dongle/windows** folder and run the ***Sentinel Protection Installer.exe*** file. Alternatively, download and run the latest driver install from the Safenet website (http://www.safenet-inc.com/support-downloads/sentinel-drivers/).
3. Run the Sentinel installer.
4. Select Upgrade and Next.
5. Follow the onscreen instructions to complete the upgrade.
6. Restart the computer when finished.

Installing C++ Runtime Libraries

To run correctly, Veripress 5.3 requires the installation of Microsoft Visual C++ Redistributable libraries that may not be present in your Windows operating system. If these were not installed for the existing Veripress version, they will need to be installed now.

To install:

1. Navigate to the **windows** folder on the Veripress DVD.
    a. For Windows 32-bit – Run the ***vcredist_x86.exe*** file
    b. For Windows 64-bit – Run the ***vcredist_x64.exe*** file
2. Follow the prompts to install Microsoft Visual C++ 2008 Redistributable.

Installing the Veripress 5.3 Upgrade

Current Windows file/folder security and permissions makes it necessary to install Veripress v5.3 in the root directory of the hard drive, e.g., C:\Serendipity\ rather than Program Files, where earlier versions of Veripress were installed.

To upgrade:

1. Insert the Veripress installation DVD and navigate to the **windows** folder.
2. Run the ***veripress32.msi (32-bit)*** or the ***veripress64.msi (64-bit)*** file.
3. If necessary, change the installation directory to the root directory of the hard drive, e.g. C:\Serendipity\ and click Next.
4. Follow the onscreen instructions to complete the upgrade.
5. Plug the Veripress dongle into an available USB port.
6. Start the Veripress v5.3 Server and the Serendipity Client.

If the installation location did not require changing, the existing database should appear once the Server and Client have restarted, reformatted and intact in the Workbench. The Client should open with the previous versions configuration.

If the installation location was (or needed to be) changed, or in the event the existing database is not complete, the database backup needs to be imported using the Archives application.

To import an existing database backup:

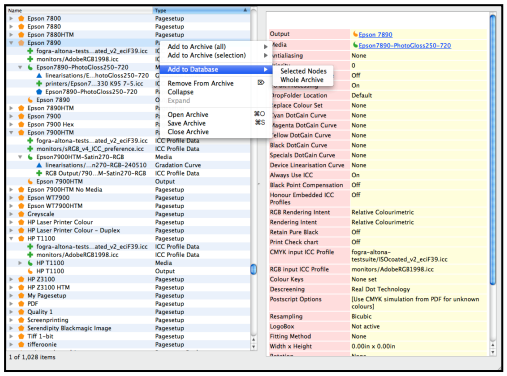
1. Open the Archives application from the Serendipity Client Application menu.
2. In Archives, select File menu > Open Archive.
3. Navigate to and select the saved backup archive **.sdb** file. Click Open. The archive will open in the Archives window and display all database items from the previously backed-up configuration.
4. Once the archive has loaded, select Edit menu > Add to Database > Whole Archive. This will import the entire database.
5. Alternatively, choose individual items to import from the list and select Edit > Add to Database > Selected Nodes.
6. The database items will be imported and appear in the Workbench for use.

For further information on Archives and backing-up databases, see the “Archives” section of this manual.

Mac OS X – Upgrading to Version 5.3

Archiving Current Installations

To Archive a Database:



1. Run the existing Veripress Server and Serendipity Client.
2. Go to the Serendipity Client Application menu > Archives (This application is called Archiver in earlier versions).
3. Select File menu > Perform Full Backup.
4. Alternatively, select Edit menu > Add to Archive (All) and add all database items to the archive file, or right-click in the Archives window and select Add to Archive (All) > Everything from the contextual menu.
5. Once all database items have appeared in the Archives window, select File menu > Save Archive to save the **.sdb** archive file to a chosen location.
6. Close the Archives application when finished.

Installing the Dongle Driver

The first step is to install the dongle driver.

To install:

1. Remove all SuperPro USB dongles.
2. On the DVD, navigate to the **dongle/macosx** folder.
3. Double click the ***Sentinel System Driver.pkg*** file to launch the installer.
4. Follow the onscreen instructions to complete the installation.
5. Restart the computer when finished.

Installing the Veripress Version 5.3 Upgrade

To upgrade:

1. Insert the Veripress installation DVD and navigate to the **macosx** folder.
2. Run the ***Veripress.pkg*** file.
3. Select the drive and location to install the software. The installer will choose the current installation location by default, which in most cases is /Applications/Serendipity.
4. Follow the onscreen instructions to complete the upgrade.
5. Plug the Veripress dongle into an available USB port.
6. Start the Veripress v5.3 Server and the Serendipity Client.

If the installation location was not changed, the existing database should appear once the Server and Client have restarted, reformatted and intact in the Workbench. The Client should open with the previous versions configuration.

If the installation location was changed, or in the event the existing database is not complete, the database backup needs to be imported using the Archives application.

To import an existing database backup:

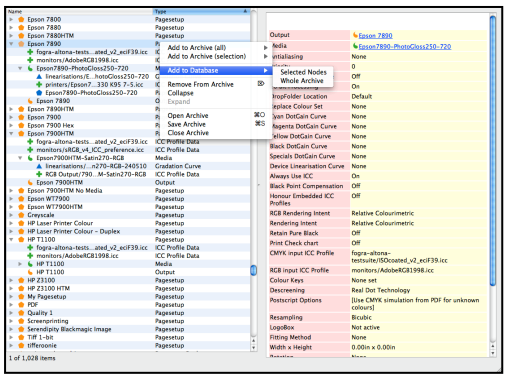
1. Open the Archives application from the Serendipity Client Application menu.
2. In Archives, select File menu > Open Archive.
3. Navigate to and select the saved backup archive **.sdb** file. Click Open. The archive will open in the Archives window and display all database items from the previously backed-up configuration.
4. Once the archive has loaded, select Edit menu > Add to Database > Whole Archive. This will import the entire database.
5. Alternatively, choose individual items to import from the list and select Edit > Add to Database > Selected Nodes.
6. The database items will be imported and appear in the Workbench for use.

For further information on Archives and backing-up databases, see the “Archives” section of this manual.

Linux – Upgrading to Version 5.3

Archiving Current Installations

To Archive a Database:



1. Run the existing Veripress Server and Serendipity Client.
2. Go to the Serendipity Client Application menu > Archives (This application is called Archiver in earlier versions).
3. Select File menu > Perform Full Backup.
4. Alternatively, select Edit menu > Add to Archive (All) and add all database items to the archive file, or right-click in the Archives window and select Add to Archive (All) > Everything from the contextual menu.
5. Once all database items have appeared in the Archives window, select File menu > Save Archive to save the **.sdb** archive file to a chosen location.
6. Close the Archives application when finished.

Installing the Dongle Driver

The first step is to install the dongle driver.

1. Remove all SuperPro USB dongles.
2. Navigate to the **dongle/linux** folder on the installation DVD.
3. Double click the ***sntl-sud-7.5.1-0.i386.rpm*** file to install the driver.

Installing the Veripress Version 5.3 Upgrade

To upgrade:

1. Navigate to the **linux** folder on the installation DVD.
2. Double click the ***install.sh*** file and select "Run in Terminal".
3. A terminal window will popup and the installer will display the default installation directory.
4. Press Enter to install or type an alternative path then press Enter.

Note: If using an alternative install path, ensure the folder exists and that the current user has read/write/execute permissions for the folder.

5. The terminal window will close when the installation is complete.
6. Plug the Veripress dongle into an available USB port.
7. Start the Veripress v5.3 Server and the Serendipity Client.

If the installation location was not changed, the existing database should appear once the Server and Client have restarted, reformatted and intact in the Workbench. The Client should open with the previous versions configuration.

If the installation location was changed, or in the event the existing database is not complete, the database backup needs to be imported using the Archives application.

To import an existing database backup:

1. Open the Archives application from the Serendipity Client Application menu.
2. In Archives, select File menu > Open Archive.
3. Navigate to and select the saved backup archive **.sdb** file. Click Open. The archive will open in the Archives window and display all database items from the previously backed-up configuration.
4. Once the archive has loaded, select Edit menu > Add to Database > Whole Archive. This will import the entire database.
5. Alternatively, choose individual items to import from the list and select Edit > Add to Database > Selected Nodes.
6. The database items will be imported and appear in the Workbench for use.

For further information on Archives and backing-up databases, see the "Archives" section of this manual.

Saving/Restoring the Veripress Database and ICC Profiles using the File System

An alternate method for backing up the existing database and ICC profiles is to copy the relevant file folders from Veripress to another location ***before*** upgrading to version 5.3.

The **database items** are held in a folder called **defaultss.dbd** in the following locations:

Mac OS X	/Applications/Veripress/lib/defaultss.dbd/
Windows	C:\Program Files\Veripress\lib\defaultss.dbd\ *(For versions 3.5.09 and below)*
	C:\Serendipity\Veripress\lib\defaultss.dbd\ *(For versions 4.0 and above)*
Linux/Sun/SGI	~veripress\lib\defaultss.dbd\

The **ICC Profiles** are stored a folder called **ICC** in the following locations:

Mac OS X	/Applications/Veripress/lib/ICC/
Windows	C:\Program Files\Veripress\lib\icc\ *(For versions 3.5.09 and below)*
	C:\Serendipity\Veripress\lib\icc\ *(For versions 4.0 and above)*
Linux/Sun/SGI	~veripress\lib\ICC\

To restore the database and ICC profiles to an upgraded Veripress

1. First, ensure the Veripress Server and Serendipity Client are shutdown.
2. Copy and replace the backed-up **defaultss.dbd** and **ICC** folders into the relevant locations (see above) for your install.
3. Start the Server and Client. All previous database items should now appear in the Workbench.

Important Note: Pagesetups imported from Version 3 archives will be automatically split into Media and Pagesetup data types, but remain functionally linked. Version 5.3 archives cannot be opened or imported into previous versions of Veripress.

Running the Software

Once the software has been installed, launch the Server and Client to begin the configuration. The Server should be started first and allowed to complete its initialisation process before the Client is launched. If the Client is started first, it will attempt to connect to an active Server. If none are present, a Connect to Server window will open, waiting for an active Server to appear on the network.

Important Note: For Mac OS X users only

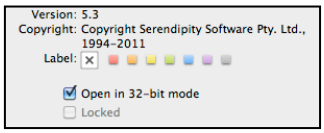
The Veripress Server and Serendipity Client (for Mac OS X) are able to run in either 32-bit or 64-bit modes. Running both in 64-bit mode is optimal for normal usage however, not all Spectrophotometer manufacturers have converted their drivers to support 64-bit and will be unavailable for use in 64-bit mode.

New installations of the Server and Client are always in 32-bit mode by default.

Before starting the Server and Client

To switch the Server and Client from 32-bit to 64-bit mode:

1. Open a Finder window
2. Navigate to the **Applications/Serendipity/Veripress** folder.
3. Highlight the **Serendipity Client** application and select **CMD+I** or right-click and select **Get Info** from the menu.
4. Tick the checkbox to disable **Open in 32-bit mode**
5. Repeat the above steps for the **Veripress** application.



If the Open in 32-bit mode checkbox **does not appear** in the Get Info window it will necessary to reset the Mac OS X Finder:

1. Open a Terminal window
2. Type or copy the following command into the screen and hit Enter (with no line breaks):

/System/Library/Frameworks/CoreServices.framework/Versions/A/Frameworks/LaunchServices.framework/Versions/A/Support/lsregister -domain local -domain user -domain system -kill -r

3. The above command will make the Open in 32-bit mode option appear in the Get Info window.
4. Go to the Finder window, right-click, Get Info and disable this option for **Veripress** and the **Serendipity Client.**

Starting the Server

1. Plug the dongle into an available USB port.
2. Launch the Server by double clicking the **Veripress** file in the installation directory, or the shortcut desktop/dock icon.

The Server window will appear showing information about the Server software and the initialisation process will commence.

Note: The Server will not initialise if a recognised dongle is not present on the computer from which it is run. If the dongle is removed at any point while the Server is running, all job processing will cease and the Server will stop shortly afterwards. Once the dongle is reconnected, close and restart the Server.

Starting the Client

Once the Server has completed initialisation the Client application can be opened.

1. Launch the Client by double clicking the Serendipity Client file in the install directory, or the shortcut desktop/dock icon.

The Client will connect to the active Server and display the default monitoring system - Jobs - on screen. From this point, configuration of the system or loading a pre-configured setup can be done.

2. Choose Server Menu > Server Settings (Preferences).
3. Select the Colour Management tab.
4. Click on Change System Specials and select Reference-Lab (or your own specials) and click OK.
5. Click OK to dismiss the System Settings window and apply the changes.

Manual Client Configuration

This section will explain how to setup a basic configuration in order to process and output a file for proofing and monitor the job throughout the process. For detailed information on specific modules mentioned, see the relevant sections of the user manual.

The default monitoring application – Jobs – opens with a factory standard layout, including the QueueManager, Thumbnail and QueueStatus modules. System queues (Image, Render, Spool and AutoDetect) will be displayed in the QueueManager.

There are four (4) sections that need configuring in order to process jobs. These are (in no particular order):

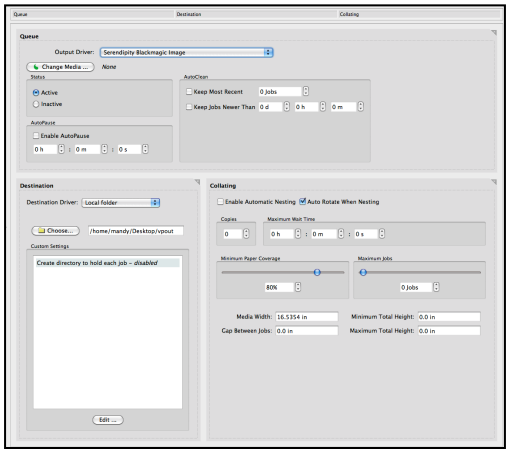
- A **RIP** where the jobs are polled;
- A **Pagesetup** and **Media** where jobs are processed; and
- An **Output** where the Serendipity Blackmagic Image or Remote Proof file is sent.

Note: Before a Pagesetup can be created first create a Media and an Output, as each Pagesetup must be linked to a valid one of each.

To begin configuration:

1. Select Application menu > Workbench.

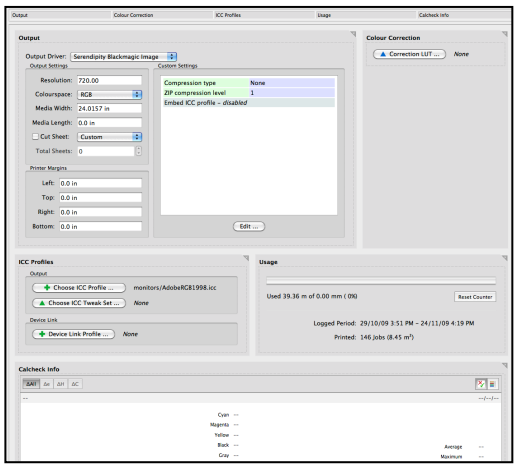
Output Configuration



2. Select **Output** from the data types list on the left and create a new Output by selecting File menu > New.
3. The Output name "Untitled" will appear in the items list, highlighted for renaming. This is the name of the Output that will appear in the Pagesetup. Rename and select the item.
4. In the Queue panel of the gray configuration area, select the appropriate driver for use from the list of licensed drivers.
5. In the Destination panel, select a destination driver (i.e., the connection method) for output of jobs and enter the appropriate information, for example, a local folder destination.
6. Configure any collating or nesting requirements as needed. See the Workbench > Output section of this manual for further details on this option.
7. **OPTIONAL** – After a Media is created, it can be assigned to the Output via the Change Media button. See the Media section of this manual for further information on Media functions.
8. Save the Output configuration when completed by selecting File menu > Save.

Media Configuration

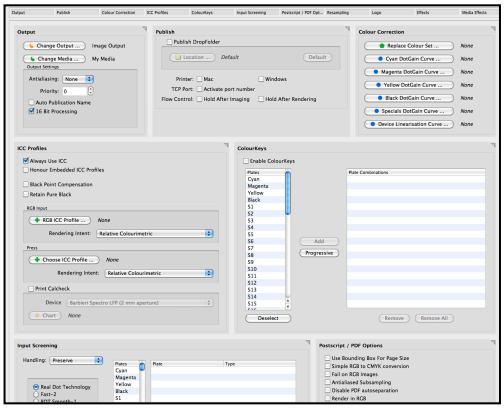
1. Select **Media** from the data types list on the left and create a new Media by selecting File menu > New.
2. The name "Untitled" will appear in the item list, highlighted for renaming. This is the name of the Media that will appear in the Output and Pagesetup. Rename and select the item.
3. In the Output panel of the gray configuration area, select the appropriate driver from the dropdown list of licensed drivers. This should be the same driver as was selected in the Output configuration (Serendipity Blackmagic Image or Serendipity Remote Proof).
4. Configure the resolution, colourspace and any custom settings required.
5. Set the Output ICC profile to your Press ICC profile.
6. Save the Media configuration when complete by selecting File menu > Save.



Note: This Media configuration is the minimal setup required to get your proofing workflow functioning. For proofing work, the Media will need to be correctly calibrated. For a complete HowTo guide for configuring a calibrated Pagesetup/Media/Output, refer to the **Support** section of the Serendipity Software website.

Pagesetup Configuration

1. Select **Pagesetup** from the data types list and create a new Pagesetup by selecting File menu > New.
2. The name "Untitled" will appear in the item list, highlighted for renaming.
3. Rename and press Enter. Select the item.
4. Assign the Output created earlier to the Pagesetup via the Change Media button. Select the Media in the popup window that appears and click OK. Jobs will be processed using this Media unless another is selected when submitting a job.
5. Apply any Colour Correction curves if required by selecting the appropriate curve button in the Colour Correction panel. See the Workbench > Pagesetup section of this manual for further details.
6. Select the input ICC profiles for RGB and Press (CMYK/Multicolour) respectively by clicking the RGB ICC Profile and Choose ICC Profile buttons in the ICC Profiles panel.
7. Use the dropdown menus below each ICC profile to select the Rendering Intent to be used for each assigned ICC profile.

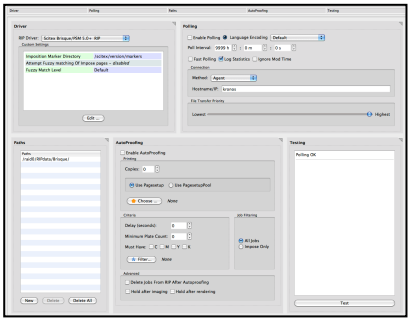


Note: Veripress' colour management system will match the proofer output to these assigned profiles once the Media has been correctly calibrated, press (correction) curves have been assigned and the Always Use ICC option in the ICC Profiles panel has been ticked. At this stage however, the assigned ICC profiles serve to inform the colour management system which colourspace to use when processing jobs.

8. Configure any other sheet, effects, margins etc, as required in the other panels of the Pagesetup. See the Workbench > Pagesetup section of this manual for further details on the options available.
9. Save the Pagesetup configuration when complete by selecting File menu > Save.

RIP Configuration

If your Veripress install requires proofing RIP data, a RIP setup will need to be configured to poll the RIP jobs for processing.



1. Select **RIP** from the data types list in the Workbench and create a new RIP by selecting File menu > New.
2. A warning message will appear. Dismiss the message.
3. The RIP name "Untitled" will appear in the item list, highlighted for renaming. Rename and select the item.
4. In the Driver panel of the gray configuration area, select the appropriate RIP driver for the CTP RIP input from the dropdown list of licensed drivers.
5. Configure the RIP driver options by enabling checkbox options and/or choosing Custom Settings by clicking the Edit button.
6. Tick the Enable Polling checkbox in the Polling panel and enter a poll interval time, for example, 2 minutes.

Note: Some RIP drivers and polling methods require the use of a Job Genie in order for the Veripress RIP setup to recognise incoming RIPped files. See the Workbench > Job Genie section of this manual for further details. Also, refer to the **Support** section of the Serendipity Software website for tutorials on creating your own customised Job Genies.

7. Choose the method the RIP setup will use to connect to the RIP output folder from the dropdown menu in the Polling panel, for example, Localhost. Enter any Hostname/IP details if required.
8. Enter the file path to the RIP folder in the Paths panel. To enter a path, click the New button below the panel. Click Browse on the popup window and navigate to the RIP folder to be polled. Click OK to save the path.
9. If required, setup Stripe Paths.
10. Click the Test button at the bottom of the Testing panel to Save and Test the RIP setup. The Testing panel will show a *Polling OK* result to confirm the RIP path is valid. Alternate messages will notify you if the RIP path is invalid, or if no RIPped files currently exist in the selected folder.

This completes the basic configuration of Veripress. For information on how to see polled RIP jobs and submit them for proofing, see the Modules > RIP Monitor and Serendipity Client Menu Items > Submit Menu sections of this manual.

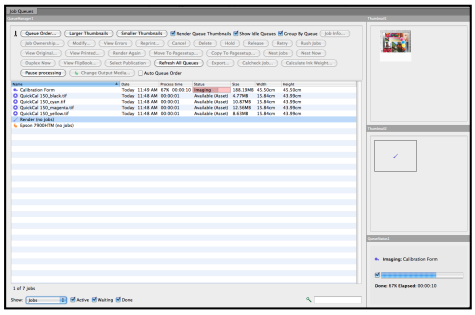
Monitoring Jobs – Configuration

Once the base configuration is complete for the Media, Output, Pagesetup and (optional) RIP, a monitoring application needs to be configured so jobs can be managed throughout the system.

There are two (2) types available – the **Jobs** (default)or the **Monitor** application.

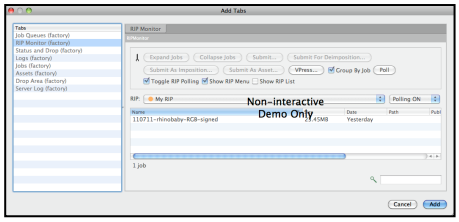
Jobs

This is the default application, launched when the Client is started for the first time.



The Jobs application has a pre-configured set of tabs available for monitoring various processing throughout the entire workflow. The default tab layout includes the QueueManager, Thumbnail and QueueStatus modules. See the "Jobs" application section within this manual for further information.

Any Outputs created in the earlier configuration will automatically appear in the QueueManager module.



The **RIP Monitor** will need to be added as a tab in order to poll jobs:

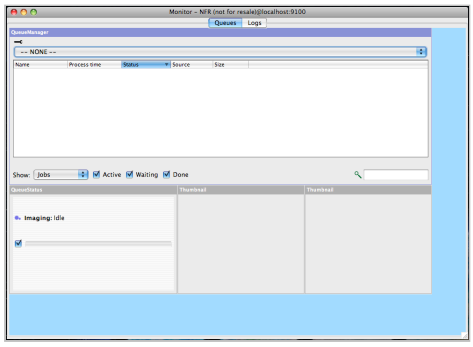
1. In the Jobs application, select the Tabs menu > Add Tabs option.
2. A window will appear with various factory default layouts available for use in the Jobs application.
3. Select the RIP Monitor tab layout from the list. An example screen will appear to the right.
4. Click Add. The RIP Monitor tab will appear in the Jobs window.
5. Available RIP queues can be polled by selecting them from the dropdown list and clicking the Poll button three (3) times consecutively.
6. Jobs appearing may now be submitted for processing.

Additional pre-configured Tabs may be added to the Jobs application as required. See the "Jobs" application section of this manual for further information.

Monitor

The Monitor performs the same workflow monitoring functions as the Jobs application and was the default application for this purpose in previous versions of Veripress, before the Jobs application was introduced. Monitor allows the user to customise the size and layout of tabs and job management modules.

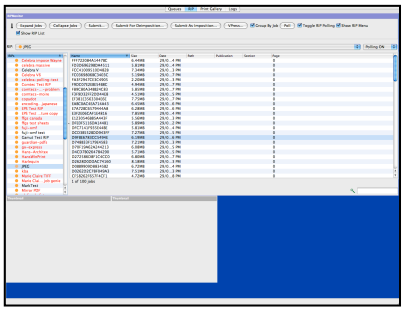
1. Select Application menu > Monitor to open a Monitor window. The default view will include a Queues tab and a Logs tab.
    a. The Queues tab contains the QueueManager, Thumbnail and QueueStatus modules.
    b. The Logs tab contains the ClientLog and ServerLog modules.



If you would prefer to have any new output queues automatically added to the QueueManager for future use, enable the Auto Queue Order checkbox via the Toolbar (spanner icon).

A RIP Monitor tab will need to be added to the Monitor in order to poll jobs:

1. Select Tab menu > New Tab to create a new tab for the RIP Monitor.
2. Rename the tab to RIP Queues or similar to differentiate it from the other tabs.
3. Select Layout > Add RIPMonitor. A module window will appear for the RIPMonitor.
4. The window may be resized and positioned by selecting Layout > Edit. Select the window corner and resize it by dragging the mouse. Select Layout > Use when done.
5. Click the spanner icon to expand the Toolbar.
6. If no jobs appear in the RIP Queue, click the Poll button three (3) times consecutively.
7. Jobs appearing may now be submitted for processing.



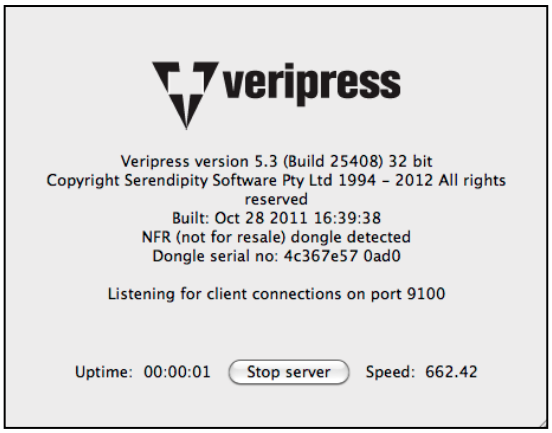
Additional Tabs and Modules may be added to the Monitor as required. See the Monitor section of this manual for further information.

The Veripress Server

The Veripress Server runs on the machine where the dongle is installed. The Server handles the processing of all jobs through the system and must be started before the Client is launched.

As the Server starts, it checks to ensure a valid dongle is installed on the machine and which modules are enabled (licensed). The Server calculates the speed of the machine it is running on and checks the integrity of the database before loading it.

Once the Server is up and running, a clock keeps track of the duration the Server is operational.



Server Options

The window below displays the Server information and various options once it is running.

Veripress Menu Options

- About – Shows information about the Server. Clicking More/Less Info shows or hides valid dongle options, including the versions of the current drivers.
- Quit – Quit the Server application.

File Menu Options

- Stop Server – Stops the Server from running without quitting Veripress.
- Start Server – Starts the Server if it is in a stopped state.
- Restart Server – Restarts the Server.
- Update Dongle – Allows users/administrators to update the dongle with activation codes to enable various input/output licenses or software versions. See the Dongle Updater section for further information.
- Close – Closes the window. If the Server is running you are warned and asked to confirm Server shutdown.

Startup Options

- Start Server on Launch – The Server will start once the application is launched.
- Restart Server on Crash – Restarts the Server automatically after a crash.
- Start as Cluster Node – Starts the Server as a Cluster Node to be used by another Veripress Server for imaging and rendering tasks.
  Important: Do not use this option before reading further information in the Applications > Clustering section of this manual.
- Start in Safe Mode – This option starts the Server but ceases all job processing and RIP polling tasks. Safe Mode is used for maintenance in the event a RIP queue, Pagesetup or other database item is corrupted, or is functioning incorrectly. Once maintenance is complete, the Server will need to be restarted in normal mode.

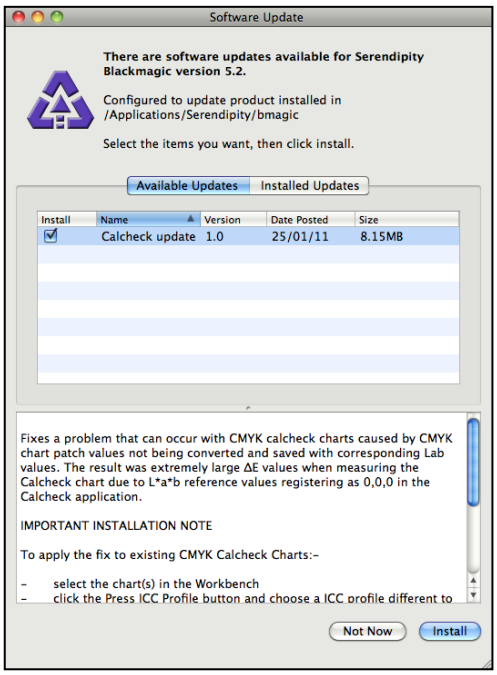
Help Menu

- Update Options – Configure a time for Veripress to periodically check for software updates.
- Check for Updates – Choose this to immediately check for any software updates.

For further information on the automatic software update functions, see the **Serendipity Updater** section of this manual.

The Serendipity Updater

The Serendipity Updater provides a simple and convenient way of updating Veripress and standalone Serendipity Clients.



The Updater tracks your current software installation status and automatically checks for available software updates, bug fixes, maintenance patches and new drivers.

New updates are listed along with release notes, previously installed updates are logged in the Updater, and notes can be viewed at any time.

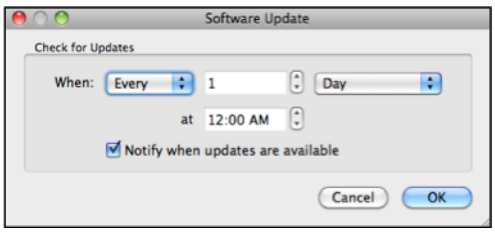
Note: The Serendipity Updater requires access to the internet to function. Updates are not downloaded or installed until initiated by the user, as the Server and/or Client are shutdown as part of the update process.

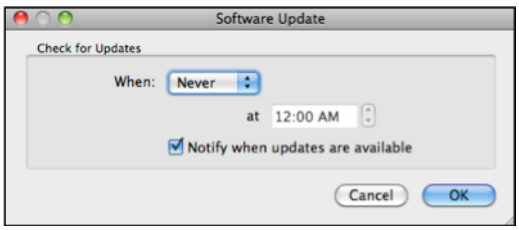
The following update functions are available in the **Help** menu of the Veripress Server application and/or the **Help** menu of the standalone Serendipity Client:

- Update Options – Configure a time for Veripress to periodically check for software updates.
    - Never – The software will not check for updates.
    - When (Time/Day) – Configure a time and day to automatically check for any software updates.
        - Notify when updates are available – A message will appear onscreen when updates are available to install.
- Check for Updates – Choose this to immediately check for any software updates.

When configuring a time/day for checking for updates via the standalone Client Help menu, a restart of the Server is required for any changes to take effect.

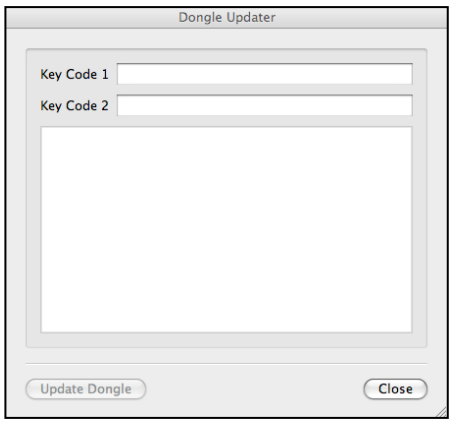
Note: The Serendipity Client installed on the Veripress Server machine is updated as part of Server updates and does not gain access to the "Check for Updates" Help menu option. If Secure Mode is active, users can be configured to receive an email when software updates are available. See the Accounts Admin section of this manual for further information on email configuration.





The Veripress Dongle Updater

The Veripress dongle licenses the level (version) of software and enables the use of any input filters (RIPs) that have been purchased. If any additional licenses are activated, the relevant dongle will require updating with the new codes in order to access them.



The Dongle Updater is a built-in feature, accessed via the Server File Menu > Update Dongle option.

To avoid any abuse of the software, the dongle activation codes can only be used once. Any updating should be completed by your relevant Server administrator.

Important Note: Before updating any dongles, please ensure your Server is in Stop mode.

Updating the Dongle

Before updating the dongle, an email must have been received with the new codes. This will either be sent from Serendipity Software directly, or via a Dealer of the product.

Two (2) codes are required for entry in order to update the dongle, referred to as **Key Code 1** and **Key Code 2**.

The codes are located in the "Dongle reprogram string" field in the email and are separated by a space.

The first, long string is Key Code 1. The second, shorter string is Key Code 2.

To update the dongle:

1. Plug the current USB dongle into the computer and run the Server application.
2. Select the Server File menu > Update Dongle. The Server will stop. If there are any Clients open, a Connect to Server window and/or disconnection message may appear.
3. A window will open for the Dongle Updater.
4. Enter Key Codes 1 and 2 into the relevant fields. It is best practice to copy and paste the codes to avoid any keying errors. **DO NOT** copy the space between the codes.
5. Once the codes have been entered correctly, the Update Dongle button will enable. Click it.
6. A confirmation message will appear after the dongle has been successfully updated and a Server restart is required.
7. Quit the Server application and restart. The dongle is now updated and any new filters or drivers will appear in the Client for use.

The Serendipity Client

The Serendipity Client is a graphic user interface (GUI) used for configuration, maintenance and monitoring of the Veripress Server.

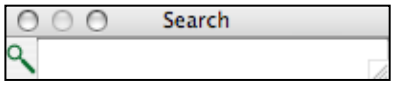
The Client can be installed and run locally on the same machine, or from any supported computer on the network using TCP/IP protocol. There is no limit to the number of Clients that can be connected to the Server, and each Client will have its own settings, specific to the user.

Once installed, the Client connects to a Veripress Server. Any Client can access the job management information and view the current status. The configuration can be open to all users or protected via Secure Mode, which allocates specific access for created users and user groups. For more information on how to setup access see the Secure Mode section of the manual.

Look and Feel

There is a common theme and functionality to the Client. There are many ways to complete the same task, such as configuring a Pagesetup from the QueueManager. Various options are available using the right mouse click to bring up other contextual menus. This will vary depending upon the section of the Client interface being used.

Anywhere there is a chooser to select an item from the database, a search field will be indicated by a magnifying glass. Entering text in the search fields filters the list, showing only the matching items. The search can be inverted with CMD+SHIFT+I (Mac) or CTRL+SHIFT+I (Win) to hide the matching items. The search box will turn black to indicate inverse searching. Pressing ESC will dismiss the search.



There are two (2) main sections to the Client – The **Workbench** and the **Jobs** application.

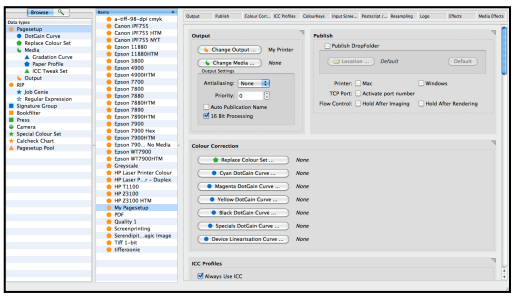
- The **Workbench** is used to configure the various parts of the Server. This is used to create queues, setup input paths and various calibration functions.
- **Jobs** (an application) is used for managing and viewing jobs as they pass through the system.

The **Applications** and **Modules** add functionality and provide tools for managing the Server and the jobs passing through it. There are also various menu options containing system utilities and preferences.

Workbench

The Workbench is where the main software configuration takes place. RIPs, Medias, Pagesetups, Output paths, Colour Sets and Colour Correction Curves can all be setup here.

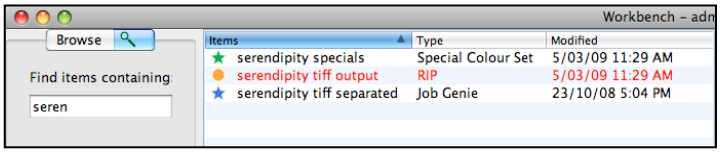
When items are created or changed in the Workbench they are saved to a database read by the Server each time at startup. The database can be backed-up and copied to other (Version 5.3) Servers.



The Workbench is a split window. The Data Types list the database item categories that can be selected for creation or editing. The items list show the available database items within each Data Type. The gray area shows the settings and options for each item.

The Data Types section has two (2) views – **Browse** & **Search**.

Browse allows the user to view and select any of the database items for display. The tab containing the magnifying glass flips to a Search window, which acts like a filter, showing any items containing the search text.



Menu Options

Application

- Access all available Applications via this menu. Each application will open in its own separate window.
- System Settings (Windows OS) – Access the System Settings (Preferences) for the Serendipity Client. This option is available under the Serendipity Client menu for Mac OS X users.
- Quit (Windows OS) – Quits the Serendipity Client application. This option is available under the Serendipity Client menu for Mac OS X users.

Submit

- Files – Select files to send to a Media and Pagesetup for processing.
- Files for Deimposition – Submit files directly for de-imposition, assigning the files to one or more imposition signatures.
- Files As Imposition – Submit files directly as an imposition, assigning the files to one or more imposition signatures. This option is only available for Veripress/Blackmagic Softproofing Add-On and allows jobs to be de-imposed on the fly (see Touch Console for details).
- ICC Target – Submit an ICC Target to a selected Media and Pagesetup.
- ICC Target without Colour correction – Submit an ICC Target to a selected Media and Pagesetup. All ICC options and colour correction curves are disabled.
- Test Prints – Select one or more Media and Pagesetups to send internal test prints for processing.

File

- New – Create a new item in the database.
- Save – Save changes to the database.
- Duplicate – Make a copy of the currently selected item.
- Revert – Reload the last saved version of the currently selected item.
- Delete – Delete the currently selected item.
- Print – Print the details of the currently selected item.
- Get Info – Displays a popup window with two panels – General & Ownership. General displays the type, created and modified dates for the selected item. Ownership displays the User and User Group permissions for the item.
- Show Orphans – Shows any item currently in the database not being used by a Pagesetup or RIP.
- Add to Archive – Add the selected items into a new Archive window. See the Archives section for further information.
- Export as C5 Pack – Allows users to export Media files from the Workbench to a specified location for use with the C5 application (Generally used with Blackmagic & Megarip products).
- Export / Import Folders – Allows users to export or import the folder structure used within the workbench. It will not import or export the contents.

Edit

- Undo – Undo the last change. There are multiple undo options and this is configured via the Client Settings section.
- Redo – Redo the last undone change. There are multiple redo options, depending on the undo status and configuration in the Client Settings.
- Find – Opens a text box at the bottom of the Workbench panel to locate the search text on the screen.

View

- Split Vertical/Horizontal – Changes the view to either Vertical or Horizontal split on the screen.
- Show Type Column – Used in conjunction with Show Usage to display the type of data listed.
- Show Modified Time Column – Displays the last modified time for the items listed.
- Show Usage – Displays the items within the database the currently selected item uses, e.g., a selected Pagesetup would show the Media and Output it currently uses.
- Reverse Usage – Reverses the usage shown above. (Was called Show Referrers previously).
- Organise Data Types – When enabled, this option will organise the Data Types in the Workbench list into related categories. This is the default view.

Modules

- Access all available Modules via this menu. A floating window will open for each separate module opened.

Server

- Server Settings – Access the System Settings or Preferences for the Veripress Server.
- Connect to Server – Select a Veripress Server to connect to on the available network.

- Resume/Pause Processing – Allows users to pause or resume all job processing and Output queues. Queues will pause after completion of the current task.
- Accounts Admin – Allows an authorised administrator to create, modify and manage user accounts and groups.
- Chatterbox – Chat to other users connected to the same Server with this option. The Chatterbox window will display the Client's connected to the Server. A nickname may be entered in the Client Settings, otherwise the machine name is used. If the user's name cannot be selected, the user has selected the Away option and is not available.
- Broadcast Message – This allows messages to be sent to all users connected with a Client to the same Server. Selecting the Broadcast option displays a message window to type into and send. The message is displayed on the users window for a short time and will automatically dismiss if it is not acknowledged by clicking OK.
- Download PPD – Download the Megarip PPD from the Server to the desired location. This saves having to get the PPD from the disk. Use the PPD when installing a local printer. When installed, the Megarip PPD (Postscript Printer Description) is selected as the printer driver when setting up a Published Pagesetup as a print (output) destination for third party applications.

Window

- Bring All to Front – Shows any open window of the Client and can be selected to bring it to the front.
- Cycle Through Windows (CMD+` or CTRL+`) – Cycles through the open windows within the Client.

Help

- Server Info – Provides information about the Server, including version, platform, speed, processors, hostname, IP, product and vendor.
- What's This – Select this and click on any part of the interface to display a short help description.

Contextual Menu (Right Click)

In addition to selected File menu options listed above, the following options are available via the contextual (right-click) menu:

- New Folder – Folders are a great way to organise the data types list items. Folders are Client based, meaning each user can have their own folders if desired.
- New Folder with Selection – Places any selected items into a new folder.
- Remove Folder – Removes the selected folder, placing items within the folder back in to the general item list.
- Open/Close Selected Folders – Expand or collapse the selected folders to show or hide the items within.

Note: Folders in the items list are internal to the Serendipity Client, used to organise database items. They are not operating system file folders.

Workbench Data Types

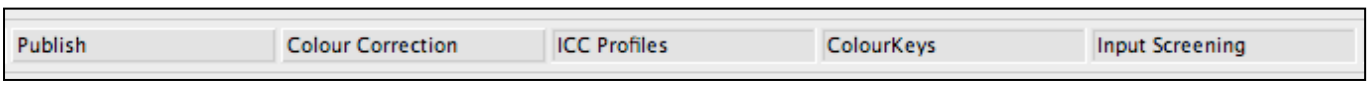
There are sixteen (16) data types (databases) within the Workbench that can be used and configured to accurately process jobs. Each will be explained in detail. The data types are:

- Bookfilter – Allows for the polling and mapping of planning files for softproofing large multi-section or multi-edition jobs. This is a standard feature for Veripress and available as a Softproofing Add-on for Blackmagic.
- Calcheck Chart – Used to provide a validation check for a hardcopy proof or a monitor.
- Camera – Setup a camera ICC profile for use with the SoftProof application when viewing RGB images.
- DotGain Curve – Used to compensate for or represent dot gain on the final output.
- Gradation Curve – Used to adjust colour in a job by applying a curve to the individual process colours.
- ICC Tweak Set – Build up a library of colours that need "tweaking" for accurate output.
- Job Genie – A programmable file search filter used by some RIP input filters for polling and stitching together jobs and publications.
- Media – Used to control configuration settings for Output, Colour Correction, ICC profiles and Output Screening.
- Output – Determines where processed jobs are to be output.
- Pagesetup – Consists of modules to be configured to process and manipulate jobs for the desired output.
- Press – Contains the colour and dotgain attributes of a press. Used by the SoftProof application to show the effects of printing a job on a particular press.
- Regular Expression – Used in conjunction with the RIPs for autoproofing jobs based on matching particular rule sets.
- Replace Colour Set – Used to match and replace certain colours as they pass through the system.
- RIP – Configure a polling path and auto proof settings for RIP data proofing.
- Signature Group – Create or import signatures for de-imposition.
- Special Colour Set – Used to identify and match colours when jobs are polled and processed.

Data Types - User Interface and Context Menu

The Bookfilter, Media, Output, Pagesetup, Pagesetup Pools, Press, RIP and Signature Data Types have multiple configuration panels or sections governing the different functions they control.

These data types have a row of buttons or tiles across the top of their configuration panels allowing the user to instantly jump to the section named. If any of the panels are not required, they can be hidden by using the "X" in the top right corner of each. To show any hidden panels, click on the panel name in the row and it will appear. Shift+click will hide them again.

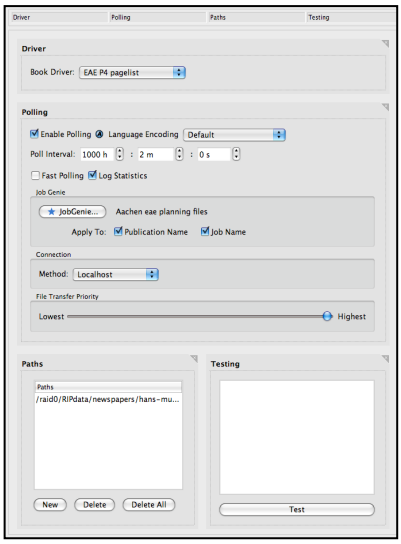


A contextual (right-click) menu is accessible in any of these individual sections, allowing the user to access the Find function, Jump to another section, or change the background colour of the panel for easy identification.

Bookfilter

The Bookfilter is used to setup an appropriate driver to read planning files to put finished publications together, greatly improving the speed, efficiency and automation of softproofing in publishing press environments.

Bookfilter works similarly to a Job Genie based RIP queue in Veripress, but rather than polling for RIP jobs, it polls for publication planning files. Publications in the planning files are then displayed in the BookMonitor and may be selected for softproofing.



Publications displayed in the BookMonitor can be expanded to show a list of pages and filenames associated with each page as defined by the planning file. The Bookfilter maps the page filenames to processed jobs in the QueueManager.

When the publication is selected for softproofing, the Bookfilter searches the QueueManager for matching jobnames and collects them into a single publication. Any missing pages will appear as red in the page navigator.

Configuration Options

Driver

- Book Driver – Select the appropriate driver for the planning file format used.

Polling

- Enable polling – Enable or disable the polling of planning files.
- Language Encoding – Set the encoding to match your system to display filenames correctly.
- Poll Interval – Configure how frequently to poll the files. Setting the Poll Interval too short can flood the network with polling requests (packets) causing it to slow down. Setting it too long can take a long time to show stable files ready for submission.
- Fast Polling - This will automatically poll two (2) more times as soon as one (1) automatic poll has completed. It will not wait for the next scheduled Poll Interval before it polls again.
- Log Statistics - Log the polling statistics in the Server log. The log message reports “Started automatic poll on <date>” when polling starts and “Completed automatic poll on <date>” when finished.
- Job Genie – Select a Job Genie to apply if required. A Job Genie may be used optionally to remap the Publication and/or Jobnames in the polled planning file.
- Connection – Specify the method used for polling. The options are:
    - Agent – The Serendipity Agent is installed on the RIP where the files are located. This is used for polling and submission of the files into Veripress.
    - Hostname/IP – Enter the hostname or IP address of the computer where the files are located and where the Agent is running.
    - Localhost – This is used when the files appear locally to Veripress. This can be on its own disk or via a mounted volume through NFS or mapped drive with NetBIOS.
    - FTP – Uses File Transfer Protocol (FTP) to poll and transfer the files to Veripress.
    - Secure FTP (SFTP) – Uses Secure File Transfer Protocol to poll and transfer the files to Veripress.
- File Transfer Priority – Specify the priority to be used for transferring files to Veripress. Adjust from Lowest to Highest or anywhere in between.

Paths

Specify the paths to the files residing on the RIP. The options available are:

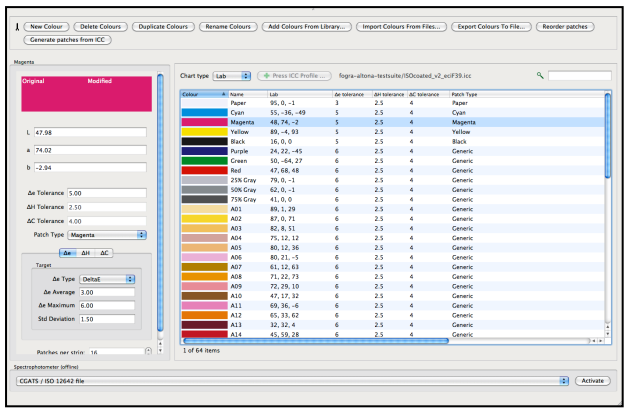
- New – Adds a new path to the Paths field. Selecting this displays another window to type the path or browse to locate the folder containing the jobs. Browse will only work if the connection method has been specified and is valid.
- Delete – Deletes the selected paths.
- Delete All – Deletes all paths from the list.

Testing

Once the configuration is complete, test the parameters are correct. The configuration must be saved before a test can be done. If it is not saved, a prompt will appear to save and test. A test poll checks the connection, path validity and job presence. Messages appear in the window to alert you to any problems or give confirmation of a valid configuration.

Calcheck Chart

The Calcheck Chart data type is where charts are configured and stored for use in colour validation checks. The charts are comprised of user-created or imported colour patches, along with target standards and tolerances. These items are saved to the database and can be used and/or adjusted at any time. The Calcheck Chart is then assigned to a Press and used in conjunction with the Displays application to provide a validation check for a softproofing monitor.



Once the chart is setup, it normally requires no further changes; the standards to be used are saved with the chart.

The window shows a list of the patches on the right and colour information on the left. For each patch selected its Lab values, delta tolerance and patch type can be adjusted. The overall target preferences are specified in the lower half of the left panel.

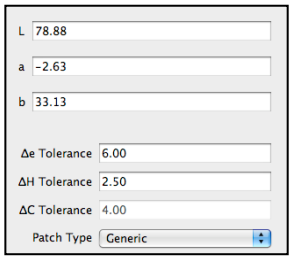
Toolbar Options

- New Colour – Create a new colour in the list with default* values. Values and colour names can be adjusted as desired.
- Delete Colours – Deletes the selected colours from the list.
- Duplicate Colours – Makes copies of the selected colours. Use shift or control keys for multi-selection.
- Rename Colours – Pops up a renaming window, allowing for name changes on one or more colours simultaneously.
- Import Patches from Files* - Import a patch set from a colour data file, such as those of colour standards or ICC profile makers.
- Reorder Patches – Reorder the patches. Selecting this will display another window to select one or more colours and drag them into a new order. Use the up and down arrow keys and shift or control to multi-select.
- Generate Patches from ICC – Select an ICC profile from which to create a set of patches. Selecting this option displays a file chooser to select an ICC profile. A prompt will appear for the number of patches to generate. The minimum number is 16 and maximum is 512.
- Add Colours From Library – Add colours to the currently selected Calcheck Chart from a Special Colour Set.

Note:** When creating or importing new colours, they are stored with the default tolerance settings. This is user configurable and should be set ***before the patch set is created.

Patch Definition

On the left are a series of controls used to define each patch. Selecting a patch from the list will load the colour into the colour match box at the top and load the Lab/CMYK values into the respective fields. To change the value, simply type the new number into the relevant field.

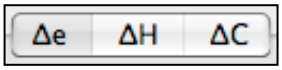


- Lab (or CMYK) – The Lab (or CMYK) value for the selected colour.
- △e tolerance – Set the maximum △e value for the selected colour.
- △H tolerance – Set the maximum △H value for the selected colour.
- △C tolerance – Set the maximum △C value for the selected colour.
- Patch Type – Identify important patch types from the set. The options are:
  - Paper – Select the patch that represents the paper being checked.
  - Cyan/Magenta/Yellow/Black – Identify a patch for each colour from your set.
  - Gray – Used to identify gray patches in the chart.
  - Generic – Most patches are generic and are classified as generic if they don't fall into one of the above types.

Note: When generating patches from an ICC profile, the patches are automatically assigned the correct type.

Target Standards

There are three (3) standards that can be used to compare against a proof.



These are △e, △H and △C.

The first standard △e is always enabled. The other two standards must be enabled for the results to appear on the Calcheck. To enable, select the tab and tick the Target checkbox.

For each standard, specify the limits used for a pass and fail status. For △e, also choose which of the △e standards are to be used – deltaE, CIE94 or CIE2000. **Note**: A △e standard of CIE2000 is generally recommended when validating monitors.

Important Note: The correct standard to be tested must be selected and saved with the chart. Only that standard will be tested for a pass or fail. If you want to check another standard, change it here and save it again. For example, if you are checking deltaE and you want CIE2000, you will need to change it, save and re-measure.

The limits are:

- Average – For all the patches in the chart that will be measured by Calcheck, the average must be below this value for a pass.
- Maximum – This is the default value used when creating or importing patches. This value is only used for assigning maximum tolerance for the import. When the target is measured, the tolerance set per patch is the one used to determine a pass or fail status.
- Standard (Std) Deviation – The standard deviation across all the patches must not exceed this value.

The Calcheck will only report a pass if all of the measured patches in the target chart are within tolerance.

- Patches Per Strip – Specify how many patches are printed per line, allowing the use of existing target standards such as the Fogra Media Wedge.

Spectrophotometer

Use one of the supported online instruments to measure colours directly into the Calcheck Chart.

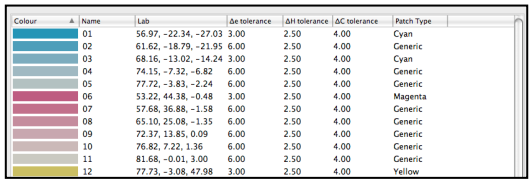
To measure colours:

1. Select an instrument from the dropdown menu and click on Activate. The device must be connected and turned on.
2. Follow the on-screen instructions, as some devices require calibration before measuring.
3. When complete, click the Turn Off button.
4. If the Lab text option is chosen, you will be prompted to choose a file to import. The format must be Lab values, space or tab delimited and no header information.

Note: If importing characterisation data from one of the ICC profile packages or colour standards, use the Import Patches From Files option.

Patches

This section of the Calcheck Chart window displays the patches in the set. Each patch shows its respective colour, name and Lab values. There is also a patch type and the tolerances for each standard. The tolerances are assigned when the patches are created or imported and are based on the settings on the left.



Colour	Name	Lab	Δe tolerance	ΔH tolerance	ΔC tolerance	Patch Type
	01	56.97, -22.34, -27.03	3.00	2.50	4.00	Cyan
	02	61.62, -18.79, -21.95	6.00	2.50	4.00	Generic
	03	68.16, -13.02, -14.24	3.00	2.50	4.00	Cyan
	04	74.15, -7.32, -6.82	6.00	2.50	4.00	Generic
	05	77.72, -3.83, -2.24	6.00	2.50	4.00	Generic
	06	53.22, 44.38, -0.48	3.00	2.50	4.00	Magenta
	07	57.68, 36.88, -1.58	6.00	2.50	4.00	Generic
	08	65.10, 25.08, -1.35	6.00	2.50	4.00	Generic
	09	72.37, 13.85, 0.09	6.00	2.50	4.00	Generic
	10	76.82, 7.22, 1.36	6.00	2.50	4.00	Generic
	11	81.68, -0.01, 3.00	6.00	2.50	4.00	Generic
	12	77.73, -3.08, 47.98	3.00	2.50	4.00	Yellow

A tolerance setting can be altered by selecting the colour and entering a new value in the relevant box.

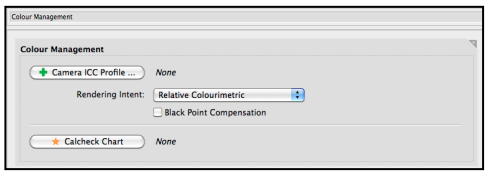
The Chart type can be altered via the dropdown menu above the patches and a Press ICC Profile will appear if allocated. The Press ICC Profile button only becomes available for CMYK chart types.

Search

Above the patches list is a search box. Enter a string to filter out any patches not required and locate those that are. All fields within the panel are searched. The search can be inverted using CMD+SHIFT+I (Mac) or CTRL+SHIFT+I (Win). The box will appear black when the inverted search is enabled.

Camera

The Camera data type is used to define an RGB (or Camera) ICC profile colourspace for use when viewing RGB images in the SoftProof application. Users can configure whether the default Camera profile or image embedded ICC profile is automatically selected and applied to an RGB image when opened in SoftProof. See Applications > SoftProof > SoftProof Settings for further details.

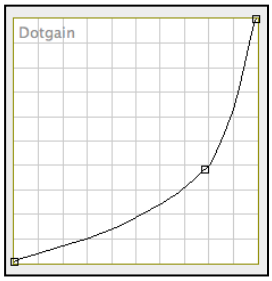


Colour Management

- Camera ICC Profile – Select the ICC profile to assign.
- Rendering Intent – Select the rendering intent to be used.
- Black Point Compensation – Enable/Disable Black Point Compensation.
- Calcheck Chart – Assign a Calcheck Chart for Camera colour verification checks using the Displays application.

DotGain Curve

A DotGain Curve can be used to compensate for or represent dot gain on the final output. In this section, curves can be created for application to a Pagesetup in order to change the output.



The curve may be applied for two (2) reasons:

- After the initial calibration you may find that the resultant output is either slightly too dark or slightly too light. A DotGain Curve can be applied to the process or specials (or both) to make the print lighter or darker; or
- To represent a press or printing process dot gain on the proof.

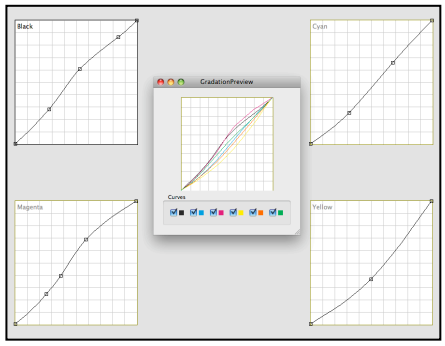
Toolbar Options

- Trace Saved Curve – A green line appears, showing where the curve was last saved to see where the curve has been edited.
- Invert Curve – Invert the selected curve. An inverted curve can be used to compensate for the colour characterisation or platesetter dotgain curves output by a platesetter RIP, returning jobs to a linear state for proofing.
- Dotgain Table – Enter values manually to adjust or create a curve.
- Import from CSV – Import values from a CSV file. The file must contain exactly 23 values for each colour as defined in the Dotgain table editor.

Note: The Process and Special DotGain curves only apply to CMYK input jobs. RGB jobs will not be affected.

Gradation Curve

A Gradation Curve is used to adjust colour in a job by applying a curve to the individual process colours. The Gradation Curve can be applied to a Media either as a Linearisation Curve or as a Correction Curve. A Linearisation Curve is normally applied as part of the early calibration stage and this is recommended. A Correction Curve is applied if a small amount of fine-tuning is required after normal calibration procedures.



Toolbar Options

- Trace Saved Curve – A green line appears, showing where the curve was last saved to see where the curve has been edited.
- Invert Curve – Inverts the selected curve.
- Gradation Table – Enter values manually to adjust or create a curve.
- Preview Curves – Displays a window with all curves in their respective colours to assess them in relation to each other. This is updated dynamically as changes are made.
- Lineariser – Loads a Linearisation Curve directly into the Lineariser application.

ICC Tweak Set

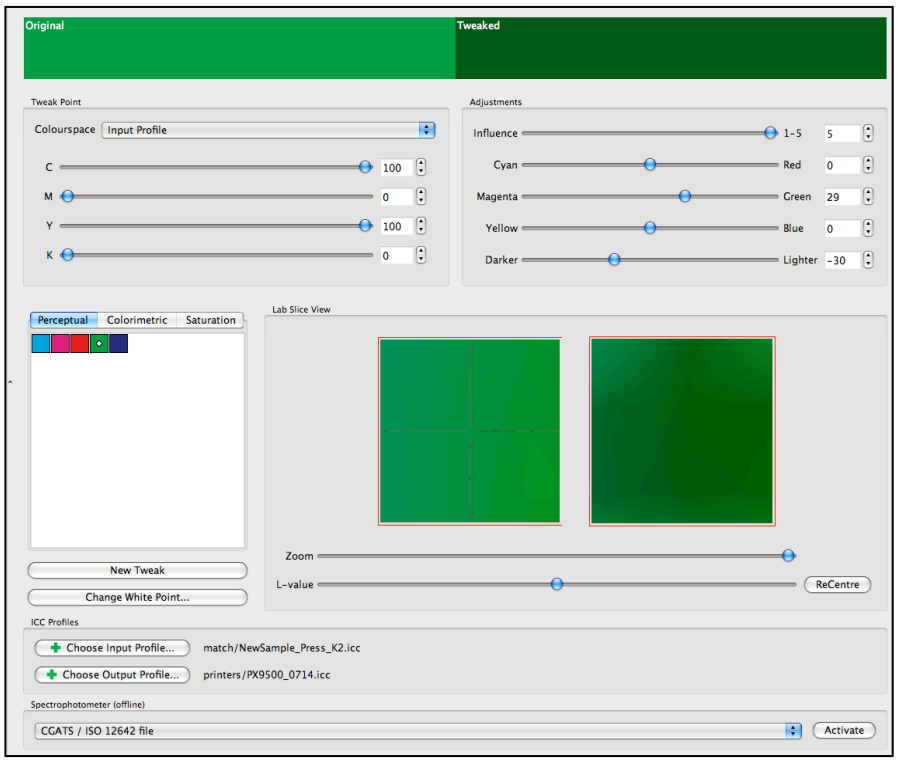
Build up a library of colours that need "tweaking" (adjusting) for accurate output with the ICC Tweak Set data type. A tweak set alters colours during the ICC mapping stage from input to output profile and is selected on a per Media basis.

The ICC profiles are not edited in any way and the tweak set can be selected as desired. Each colour requiring alteration is selected and adjusted by adding to or subtracting process colours from it, or making it lighter or darker. An accurate visual representation is shown on the screen and the point in the colourspace can also be viewed. Colours can be created manually or by entering the CMYK or Lab values, or input automatically using an online Spectrophotometer.

The interface is split into two parts – the left side shows the input values and the right side shows where any adjustments (tweaks) have been made.

Options

- Colourspace – Choose between Input Profile or Lab input. If the profile selected is RGB, the sliders will change to RGB. If CMYK, the sliders will change accordingly.
- Influence – Choose the area around the specified colours to be affected. This is determined as a scale of 1 to 5, with 1 being the least influence and 5 the greatest.
- Tweak Value – Use the CMY sliders to add or subtract from the colour being adjusted.
- Rendering Intent – Choose the rendering intent that the colour is to be altered in from either Perceptual, Colourimetric or Saturation. This must match the rendering intent of the Pagesetup for the mapping to work.
- New Tweak – Create a new tweak in the rendering intent selected.
- Copy – Available via the right click menu. Used to copy the selected tweaks.
- Paste – Available via the right click menu once an item has been copied. Used to paste the copied tweak from the clipboard to the rendering intent selected.
- Change White Point – Change the white point of the paper. Select the button and enter the X,Y,Z points. If a Spectrophotometer is connected, the white point can be measured directly into the system.
- Zoom – Zoom in and out of the Lab colourspace to see the point you are tweaking in relation to the whole space.
- L-value – Move up and down the L-value to see the point you are tweaking in relation to the lightness. Reset the value by clicking the ReCentre button.
- ICC Profiles – Choose the input and output profiles you are using to tweak. These must match the ones selected in the Media, as they are stored with the tweak set and are used during the mapping process.
- Spectrophotometer – Choose an online Spectrophotometer to read values directly into the tweak set. Once selected, press the Activate button to connect and take measurements. If the device is being used by another application (including a Serendipity application), it will fail to connect. Quit or disconnect all others first.



Job Genie

Plate separated, single-bit screen TIFFs have become predominant in print industry workflows. The TIFF Based (Generic) input filter is designed to poll jobs from RIPs that produce 1-bit TIFF files; one file for each process or spot colour plate of a particular job.

While the TIFF Based (Generic) input filter has a limited intelligence and can recognise standard filenames, such as *jobname_plate.tif*, it will not understand or be able to correctly poll a filename like *J371P1S1CCyan.tif*.

The Job Genie utility allows for the configuration of a TIFF Based RIP input filter to poll and recognise any filename convention, no matter how unique or complex, and stitch the 1-bit files into single jobs. Job Genie can also be used to rename files to have more user-friendly onscreen names, or group files together into a single publication.

The configuration window is split into two (2) sections. The column on the left allows you to enter a Task (see Tasks below). The main panel displays the five (5) tabbed sections requiring consideration when setting up each Task. After it is created, the Job Genie is selected in a RIP queue using an input filter such as TIFF Based RIP (User Configurable) to poll the chosen directories for the defined filenames.

Tasks

A Job Genie is made up of one or more user-defined tasks. Each task specifies how the job filenames are collected; how they are defined and grouped; how the job names will be displayed in the RIPMonitor; and if the jobs will be proofed as a publication when submitted for processing.

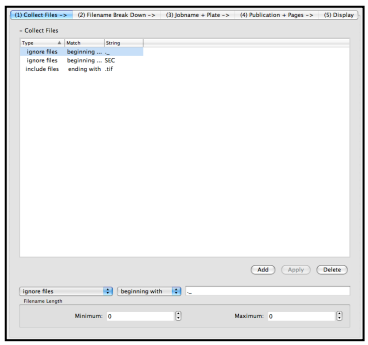
Important Note: More than one task may be required to collect all the files in a given path if the naming varies. Jobs are constructed in the order of the tasks. Once a Jobname is matched by a given task, it is removed from subsequent searches, so the order of the tasks is very important. To change the order of a task, select it with the mouse and drag it to the desired position in the list.

Interface Options

- Log – Enable or disable to display the matching process in the ServerLog for the task selected. This can be useful to debug problems where configurations are not matching files properly. It is best to turn logging off for a Job Genie that is functioning correctly to avoid the ServerLog becoming too large or cluttered.
- Add – Add another task to the list.
- Duplicate – Copy the selected task to a new one.
- Delete – Delete the currently selected task.

Tabs – (1) Collect Files

This tab specifies how the files are sorted and collected by the input filter. One or more search parameters can be entered, with each one comprising of an Action type, a Match criteria and a search String.



It is not necessary to enter anything in this first tab if all the files in the RIP input filter path are valid for collection and proofing.

As with tasks, each collection action is performed in order. Once a file has been excluded by a task, it is not looked at again so the order of the actions is very important.

Action Options

- Ignore Files – Do not include any files matching the definition specified when the input filter collects the ready for sorting.
- Ignore Directories – Do not look in directories matching the definition specified when collecting files ready for sorting.
- Descend Directories – Only look in directories specified by the definition when collecting files ready for sorting.
- Include Files in Directories – Include all files in the definition specified directories when collecting files ready for sorting.
- Include Files – Only collect files as specified by the definition.

Note: Of the above actions, Include Files in Directories has precedence over all other actions. If this is matched, files and directories at the same level are ignored. Files and directories within the directory matched are then subjected to a search, governed by any other specified action.

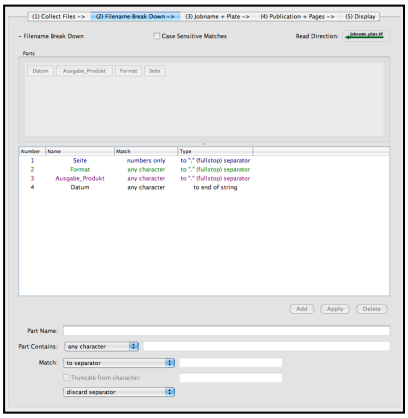
Definition Options

- Ending With – Any file or directory as specified in the action with a name ending with <this text>.
- Beginning With – Any file or directory as specified in the action with a name beginning with <this text>.
- Containing Text – Any file or directory as specified in the action where a name contains <this text>.
- Named – Any file or directory as specified in the action explicitly named <this text>.
- Add – Add the action and definition specified to the list of files to collect.
- Apply – Apply any changes to the currently selected action and definition in the list.
- Delete – Delete the currently selected action and definition from the list.
- Filename Length – Specify a minimum and maximum filename length when searching for any files for sorting.

Note: The Add, Apply and Delete buttons are only available if there is a change to an existing entry. If actions are not added or applied to the list before a save, the list is not updated.

Tabs – (2) Filename Break Down

Most job filenaming conventions contain common elements defining the job's name, section, page or publication; and specific file markers or unique elements identifying things such as plate colour.



This tab allows you to specify the construction of a filename. This is done by breaking it down into parts and giving each part a user-defined name. Once all parts of the filename are identified, they can be grouped together to make a complete job.

Options

- Case Sensitive Matches – Used to match case when the criteria for matching contains user specified input. For example, Part contains specific words, Match to separator and the Truncate option. If any of these are used and Case Sensitive Matches is selected, only those characters matching the specific case entered are matched.
- Read Direction – The direction in which the filename is read. Click the arrow to change read directions.
- Parts – This is a block diagram showing the breakdown of the job. Each part is given a name and identifies a section of the filename. Clicking the Read Direction arrow changes the order of the parts to show which part is going to be read first. If creating a new Job Genie, parts will not appear in the diagram until they are created.
- Add – Add parts to the list.
- Apply – Update the selected part with changes.
- Delete – Delete the selected part from the list.
- Part Name – Specify a name for the part you are about to describe. Meaningful names are useful when choosing the groups later.
- Part Contains – Specify from the list what the part will contain. Choose from:
    - Any Character – The part can contain any valid character.
    - Numbers Only – The part may only contain numbers.
    - Hexadecimals Only – The part must only contain hexadecimal characters (0-9, A-F).
    - Specific Words – Specify a word or characters in the text box that the part must contain.
- Match – Choose what point in the filename you are going to match to. This may be a specific separator or end of string, for example, read along the filename until this point, looking for valid part matching specified above. Choose from:
    - To Separator – Enter a character in the text box to specify as a separator, i.e., continue reading the part until you reach this separator.
    - To End of String – Match everything from this point to the end of the filename (string).
    - To Numeric Separator – Match everything from this point until you find a number.
    - To Non-Numeric Separator – Match everything from this point until you find anything that is not a number.
    - To "." (full stop) Separator – Match everything from this point until you find a full stop.
    - To "-" (hyphen) Separator – Match everything from this point until you find a hyphen.
    - To "_" (underscore) Separator – Match everything from this point until you find an underscore.
    - To "$" (dollar) Separator – Match everything from this point until you find a dollar sign symbol.
    - To " " (space) Separator – Match everything from this point until you find a space.
    - Number of Characters – Match the number of characters specified in the text box. A further option is available if this is selected:
        - Truncate from Character – Choose a character to identify in the filename and remove all characters from the point onwards. For example, if you have a large number of 0's in a group, you can choose to remove those 0's from the group so they are not displayed.

Note: The To Separator and Truncate from Character options allow multiple entries separated by commas, where each entry searches for a match, i.e., you can specify "To Separator a, b, c" where if any of the separators a, b or c are matched it is valid.

Separator Options

Separators are the characters that determine the end and beginning of a part. For example, with *cyan.tif* the full stop between *cyan* and *tif* is the separator. As this is part of the filename, you still need to decide what to do with this separator. There are three (3) options:

- Discard Separator – Ignores the separator.
- Include Separator with this Part – Includes the separator with the part being described.
- Include Separator with the next Part – Includes the separator with the next part described.

Example: With a filename such as *job.cyan.tif* where we parse the name in the forward direction, we describe the first part as name to separator full stop (.) and the next part as plate to full stop (.)

Discard Separator creates the two parts as *job* and *cyan*.
Include Separator with this part (for name) would produce a part as *job*.
Include Separator with next part (plate) produces a part as *cyan*. This is only used if the separator is a character you want to display in the RIPMonitor, such as a page marker.

The most commonly used option is Discard Separator. In the above example, if the option Include Separator with Next Part was used, we could not identify the colours, as it will be called *.cyan*

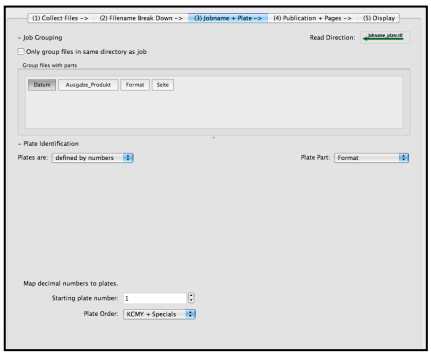
Tabs – (3) Jobname + Plate

This tab allows you to configure which parts should be grouped together to complete a job and which part identifies the plates of the job. You can specify how the plates are described and control specific mapping.

Job Grouping

- Only group files in the same directory as job – Check this box to group filenames together in a directory. Files in different directories will not be grouped.

  This is used when job directories are created containing all the plates. Sometimes the filenames vary for the name of the job, but because they are all placed in one directory per job, they can be grouped together.



- Group files with parts – This displays the parts created in Tab (2) – Filename Break Down. Select the part or parts that make up the job name by clicking the tiles onscreen.
  In most cases, the file part defined as the plate should not be chosen, as this would group files with the same plate together, rather than combining the different plate files into one job.

Plate Identification

This tab is where you define which part created in Tab (2) – Filename Break Down is the plate part and how it is written in the filename.

- Plate Part – Select the part of the filename that describes the plate colour from the dropdown list. The list contains the part created in Tab (2).

Plates are:

- Defined by words – The plate names are complete names, for example, *cyan, pantone 252*.
- Defined by numbers – The plates are defined by numbers, for example, 0 is cyan, 1 is Magenta etc. If this is selected, two other options are available:
  - Starting Plate Number – Enter the number the plates start at. This is usually 0 or 1.
  - Plate Order – Choose the plate order between KCMY+specials or CMYK+specials.

- Map Letters C, M, Y, K to Process Names – If the plates are named with just letters, for example, cyan is represented as c, selected Defined by words and choose this option.
- Strip leading zeros from colour names – Sometimes colour names have multiple zeros before the plate number. This option can be used to remove these.

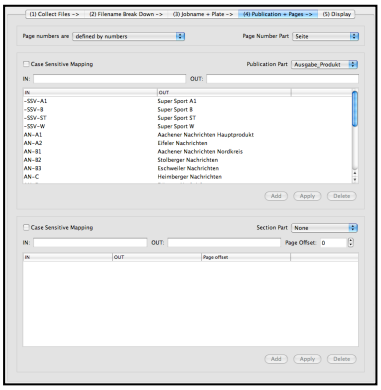
Plate Mapping

You can map plate names so they appear correctly in the RIPMonitor and are able to be matched to colours in the System Specials colour set (see Server Settings – Colour Management). A list of plates requiring mapping can be created.

- Case Sensitive Mapping – Select this if the mapping should check for case.
- Add – Add the mapping to the list.
- Apply – Apply changes to the currently selected mapping.
- Delete – Delete the currently selected mapping from the list.
- Prefix number literals with user text – Add a prefix to numbers you are polling. For example, if the colour is called *254*, you can prefix the word *pantone* in front of the number, making the special plate become *pantone 254*.

Tabs – (4) Publication + Pages

This tab is where parts can be identified from the Filename Break Down as a Publication and a Page. This can help with autoproofing, as a job can be automatically filtered and gain all the attributes available to publications, such as grouping in the QueueManager and the Pages pane in SoftProof.



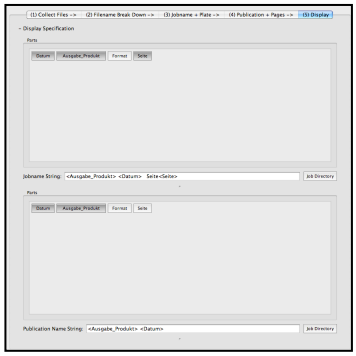
- Page numbers are:
  - Defined by words – Attempts to assign page numbers from letters.
  - Defined by numbers – Attempts to assign page numbers as numbers. Numbers must be greater than 0.
  - Defined by sequence 1A, 1B, 2A, 2B – Attempts to assign page numbers in sequential order.'
- Page number part – Select the part that identifies the Page number from Jobname, Colour, Extensions or None.
- Case Sensitive Mapping – Select this if the mapping should check for case.
- Publication Part – Select the part that identifies the Publication part from the previously defined filename parts.
  When files are submitted for processing via the RIPMonitor, all jobs with a common Publication Part will be submitted to the QueueManager as one publication and will be viewable (and softproofed) as such. *None* means no Publication Part is being used.
  - IN / OUT – Map Publication abbreviations to full names (if required). For example, *smh* IN becomes *Sydney Morning Herald* OUT.
- Section Part – Select the filename part defined as the Section Part from the dropdown menu. The default is None, meaning the Section Part is not being used.
  Many publications, such as newspapers, are made up of a composite of separate sections. The pages of these sections often use a filename convention where the page numbers represent the number within the section – not the page number within the whole publication. The Section Part makes it possible to proof a publication made up of multiple sections and to offset the pages of each section appropriately to allow viewing of the complete publication in the correct page order.
  - IN / OUT – Unlike the Publication Part where remapping is optional, if used, the Section Part requires you to input the section names (although IN and OUT can be the same) and a Page Offset value for each section.

Note: Using Publication and Section Parts with Bookfilter

In the case of a Job Genie being created for a Bookfilter poll, the Publication and Section Parts can be used to re-map publication and section (or edition) filename parts into more coherent or user-friendly names for display in the BookMonitor. The Page Offset function of the Section Part is not used – it is simply for renaming.

Tabs – (5) Display

The Display tab allows you to configure how the Jobnames are displayed in the RIPMonitor. Click the Parts tiles to add the filename parts to the Jobname, Publication Name and (optional) Section Name strings. Parts can be entered in any order.



Any other text to be shown in the RIPMonitor can be entered as part of the string.

For example, clicking a part named Page will show <Page> in the string. This will display the page number only in the RIPMonitor. It may be useful to add "*Page:*" before the <Page> part so the RIPMonitor will display as "*Page:1*".

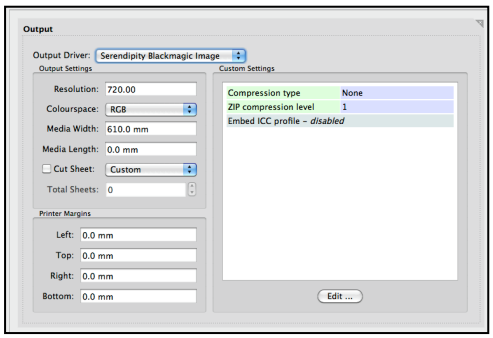
- Display Specification – Shows the parts created in Tab (2).
- Jobname String – Shows the string that will be displayed in the Name column of the RIPMonitor and QueueManager. You can enter any valid character or use filename parts.
- Job Directory – (Buttons) Allows you to enter the job directory into Jobname, Publication and/or Section String fields.
- Publication Name String – Shows the string that will be displayed in the Publication column of the RIPMonitor and QueueManager (in Publication view). You can enter any valid character or use filename parts.
- Section String – Shows the string that will be displayed in the Section column of the RIPMonitor. You can enter any valid character or use filename parts.

Check the Serendipity Software website (http://www.serendipity-software.com.au/support/howto/workbench) for HowTo's on creating Job Genie's.

Media

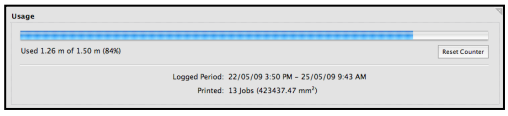
The Media data type contains all of the settings controlling the output of jobs as they pass through the Veripress colour management system (CMS) for proofing. Settings configured here are those directly related to the Output device, Colour Correction, ICC Profiles and Output Screening.

A Media can be one of several assigned to a Pagesetup, which controls the input screening, resampling, rendering effects and intents of incoming jobs. All jobs are submitted to a combination of Pagesetup and Media destinations. When submitting, the user selects the Pagesetup to be used, at which point a list of compatible (user-created) output Media types in the database become available for selection. A default Media is assigned to a Pagesetup, so if a job is submitted without a specific chosen Media, the job will output to the default Media settings. An Output data type can optionally have a Media type assigned to it, in which case only jobs submitted to the Output using the assigned Media will be processed. All other jobs are held in the QueueManager until the assigned Media is removed from the Output, or the held jobs' Media type is assigned to the Output.



Output

- Output Driver – Select the desired output driver from the available list. Those available will depend upon the options enabled on the dongle. The selected driver affects the options made available for Resolution and Colourspace.
- Resolution – Select or enter the desired resolution (DPI). Colourspace – Select the output colourspace as desired. The selections will change depending upon the chosen output driver.
- Media Width/Length – Sets the width and length of the Media. Jobs of greater width and length will be held in the QueueManager until an appropriate Media, or new width and length values are assigned.
  Note: Media Width/Length values override the width/length settings in the Nesting section of the Output, meaning jobs will not nest until within the width/length settings of the Media to which they were submitted.
- Cut Sheet – Enable this if the Media being output to is Cut Sheet. The media to be used is selected from the dropdown menu.
  - Total Sheets – Enter the number of cut sheets loaded. Jobs will stop printing to the Media and be held in the QueueManager when MediaStatus has tracked that the assigned number of sheets have been used. A Total Sheets value of zero (0) assumes an unlimited sheet availability for tracking. Sheet count is reset using the Reset Counter button in the Usage panel.
- Custom Settings – These options will vary, depending on which output driver has been selected.



Usage

The Usage panel shows the amount of media used based on the values entered for Media Length (above).

- Usage Meter – Bar showing the amount of media used. Text under the bar shows the exact amount as "Used X Units of Total Units" (percentage %).
- Logged Period – Time period (date and time, from and to) the Media has been tracked since the last reset.
- Printed – Number of jobs and total printed area of jobs tracked since the last reset.
- Reset Counter – Reset the usage count for the Media.

Colour Correction

- Correction LUT – Select a Correction LUT to be applied in the form of a Gradation Curve. You can preview the curves, edit them or create new curves.

ICC Profiles

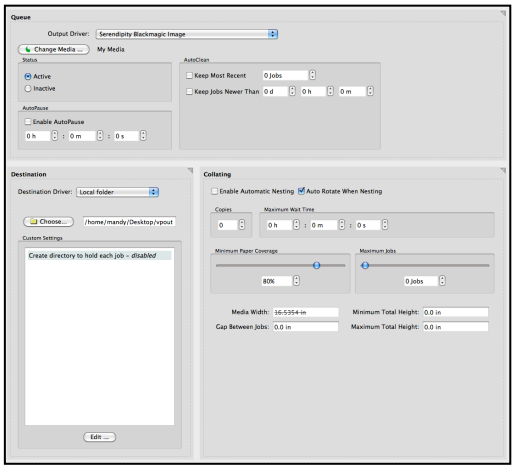
ICC Profiles are used to match colours from one device to another, for example, a Press to an Inkjet. It does this by mapping an input to an output colour.

- Output ICC Profile – Select an output profile. This is the printer or other output profile and is used to convert the Lab data into the output colourspace. This output could be RGB, CMYK, CMYKOG, or N-Colour depending on the output device chosen and the detected colourspace.
- Output ICC Tweak Set – Select a Tweak Set from the available list. Lists can be previewed, edited or new ones created.
- Device Link Profile – Select a device link profile. If the job passing through does not match the colourspace of the Device Link Profile, the standard input and output profiles selected will be applied.

Upload ICC – This option is available on all of the ICC choosers and is used to upload an ICC profile from a local or network folder location to the internal Veripress ICC folder.

Output

The Output data type determines the output format of processed jobs and where they are sent to for printing (or file output). The Queue panel sets the output driver used and allows auto-cleaning of job Output queues. The printer connection or file destination is configured in the Destination panel. The Collating section has options for Nesting and Duplexing. Maintenance allows for automatic printer maintenance functions to be configured.



Queue

- Output Driver – Select the desired output driver from the dropdown list. Those available will depend upon the options enabled on the dongle. The selected driver affects the options in a Pagesetup and Media pointing to it.
- Change Media – Select this to optionally assign a Media to the Output. A chooser window will appear with Media displayed matching the Output driver type. The options as set in the selected Media are displayed for view, can be edited or a new Media can be created.
- Status – Choose whether the Output queue is Active or Inactive. This can also be controlled from the QueueManager.
- AutoClean – Configures Veripress to automatically delete jobs from the Output queue based on time and or/number. Options include:
    - Job History – Keep Most Recent – When enabled, set a number of jobs. Veripress will keep that number of most recent printed jobs in the Output queue, automatically deleting any excess jobs.
    - Job History – Keep Jobs Newer Than – When enabled, Veripress looks at the time signature of printed jobs and deletes any jobs in the queue older than the specified (days/hours/min) time.
- AutoPause – Select a time duration the queue should pause after processing a job. Used for double-sided plotters so there is a pause in sending the next job, giving the plotter time to turn a sheet ready for the back side to be printed, or time to load another sheet.

Destination

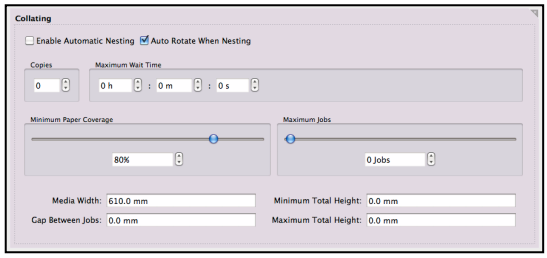
The Destination determines the method of delivery of the output job to the final destination. Depending on the destination driver selected, there may be some additional options available.

Destination Drivers

- Bonjour/Zeroconf – Select this to output to a Bonjour/Zeroconf network destination. The local network is polled for Bonjour/Zeroconf devices. Choose Edit and select the appropriate destination from the dropdown list.
- Command/Script – Select a script or command to be run once a job has completed.
- FTP – Send your completed job to remote machine using FTP.
- Local Folder – Choose a local folder to send the output file to. Enter the path or select Choose to browse and select a folder. The folder must exist and have write permissions.
- Local Print Queue – Print to a local print queue. Use this to print to a Windows printer on another machine. In the path location enter \\machine\printer where <machine> is the name of the Windows machine with the printer attached and <printer> is the exact name of the printer. The printer must be shared.
- LPR Port – Use LPR to print jobs to printers accepting it. Enter the Hostname/IP address of the printer and the path. Not all devices require a path to be entered. This is a good option for Epson printers with a network card. This method is faster than TCP/IP printing for these devices.
- Nowhere – This is used for internal testing purposes or for softproofing workflows. Files created by the print driver are not sent anywhere; they are left in the default raster location. A print time for simulation can be entered.
- Secure FTP (sftp) – Send the job to a secure server using FTP.
- TCP/IP Port – Print to a networked device over TCP/IP.

Collating

Collating is a method of gathering various outputs and grouping them together.



Nesting

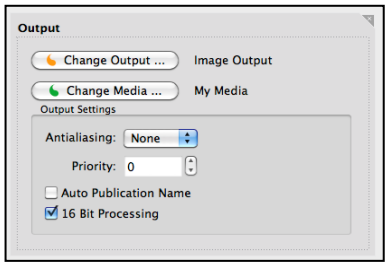
- Enable Automatic Nesting – Set the queue to nest jobs automatically when the configured conditions (such as Maximum Wait Time) are met.
- Auto Rotate When Nesting – Enable auto rotation when nesting occurs. If this is enabled, make sure the option in the Pagesetup is set to None. There is no need to spend processing time rotating a job if it is rotated at nesting time.
- Copies – Specify the number of copies you want to nest. For example, if you have 7 jobs making up a nest and enter 5 in the copies field, you will get 5 copies of the same 7 jobs nested and printed.
- Maximum Wait Time – Specify how long to wait before nesting begins. Once reached, nesting will begin and any job waiting to nest will be nested into a single job. The start time is determined by the first job that appears waiting to nest.
- Minimum Paper Coverage – Specify the minimum paper coverage to be reached by jobs waiting to nest before nesting will begin. Once reached, any waiting jobs will be nested into a single job.
- Maximum Jobs – Specify the maximum number of jobs in a nest. If there are more jobs in the queue than the number specified, that number of jobs will nest and the remaining jobs will stay waiting to nest until the criteria is met again.
- Media Width – Specify the media width. This is required for nesting to work.
- Gap Between Jobs – Enter the size of the gap between jobs in the nest.
- Minimum Total Height – Specify the minimum total height of a nest, i.e., if the combined height of the jobs waiting to nest reaches this value, nesting will begin.
- Maximum Total Height - Specify the maximum total height of a nest, i.e., if the combined height of the jobs waiting to nest reaches this value, nesting will begin.

Note: If a Maximum Height is set, the Nesting algorithm will look at all the jobs waiting to nest and fit the most jobs between the minimum and maximum heights. If the available jobs can not cover the defined Paper Coverage (if set) of paper without exceeding the maximum height, jobs will not nest. If no Paper Coverage minimum is set, any job that would make the nest exceed the maximum height will be left in the queue - the other jobs will be nested. Any single job exceeding the Maximum Height will also not print. If a job is too large, either the nesting parameters and/or the printing media but be changed. This makes it possible to effectively and efficiently nest using Cut Sheet media.

Pagesetup

A Pagesetup consists of many configurable modules to manipulate your job for the desired output. This is where the Input Screening and ICC Profiles, Render Effects, Colour Keys and other Colour Management options are setup.

Output

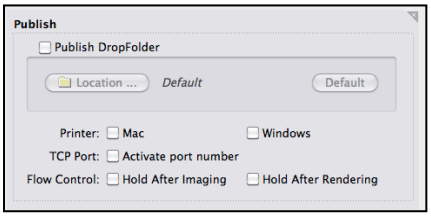


- Change Output – Selects the Output method and assigns its configured properties to the Pagesetup.
- Change Media – Select the default Media settings and assign its properties to the Pagesetup. If a job is submitted to the Pagesetup without a specific Media, the job will output using these default Media settings.
- Output Settings:
    - Antialiasing – Choose from 2x2, 3x3, 4x4 or None. Antialiasing is designed to smooth jagged edges and is used when the Output does not have sufficient resolution to display edges smoothly. The values increase the amount of pixels used for Antialiasing. The default setting is None.
    - Priority – Assign a priority to a Pagesetup. The lower the number, the higher the priority. Numbers can be negative for a higher priority. The default is 0. Jobs waiting to Image or Render will process through a higher priority Pagesetup over jobs submitted to lower priority queues.
    - Auto Publication Name – Create unique publication names for each job passed through the Pagesetup. Use this feature for duplexing from PDF or PS files. Submitting a multi-page document as one job will allocate all pages with the same publication name.
    - 16 Bit Processing – Enable or disable 16-bit processing for jobs submitted to the Pagesetup.

Note: Veripress V5 is able to accept files submitted in a 16-bit format. The files are normally processed and rendered in standard 8-bit colour, which for many workflows is sufficient for proofing. 16-bit processing improves render quality and can be useful for finding artifacts within a job. When enabled, files submitted to the Pagesetup in 8-bit are upscaled to 16-bit for processing. 16-bit mode requires more system memory for imaging/rendering jobs and produces larger output files.

Publish

Allows Pagesetups to be published on a network as a Drop Folder, or as a network print destination for output from another software application. To Publish a Pagesetup, it is necessary for the Serendipity Megarip PPD to be installed on the same system on which the Veripress Server runs (Server menu > Download PPD).



- Publish DropFolder – Allocate a folder where files can be dropped in for processing. Valid File Types include Postscript, PDF, JPEG, TIFF Image, Serendipity Blackmagic Image, EPS, PNG.
- Location – Select a folder as a DropFolder. The folder must exist and have read/write permissions.
- Default – Reset the DropFolder location to the default one (Serendipity Veripress installation directory/drop/<"Pagesetup Name">)
- Printers – Choose to publish the Pagesetup as a network print destination, allowing third party applications to print directly to it.
    - Mac – Enable to publish the Pagesetup as a Bonjour/Zeroconf network destination for Mac OS X and Linux. This option also publishes the Pagesetup as an AppleTalk destination, where the Pagesetup name is used as the printer name.
      Note: When adding a new printer through System Preferences on Mac OS X, select the Bonjour address (pagesetup name@computer name) as the printer and Serendipity Megarip PPD as the driver.
    - Windows – Choose to publish the Pagesetup as a Windows local printer port destination. See the Serendipity Software website for details on how to create the Windows printer.
- TCP Port – Choose to publish the Pagesetup to a TCP Port, allowing it to be setup as an IP printer destination, or as a destination for other Veripress Servers.
    - Activate Port Number – Enter the TCP port number the Pagesetup will publish to. It is necessary for the port number to be 10000 or over and for each Pagesetup to have a unique port.
      Note: When adding a new printer through System Preferences on Mac OS X, select IP printer, HP Jetdirect – Socket for the protocol. The address should be in this form – computername:10063. Select Serendipity Megarip as the driver.

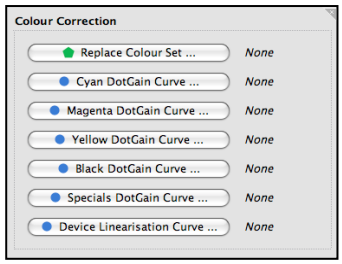
When adding a new printer through Windows:

1. Select Create a New Port - Standard TCP/IP Port.
2. Enter the computer's network name in the Host ID field.
3. When Windows requests additional info for the port, select Custom Settings.
4. Rename the Port Name if desired.
5. Set the Protocol to Raw and the Port Number to the one set in the Pagesetup to be published.
6. Select Serendipity Megarip as the driver. If the driver is not already installed, choose Have Disk and get the driver (megarip.inf) from the Serendipity Installation DVD, found in the drivers/win/'OS Version'/ directory.

- Flow Control – Select whether to hold the submitted file after Imaging or Rendering in order to prioritise jobs or make rendering attribute changes before releasing. Options include:
  - Hold After Imaging – Hold jobs submitted to the Published Pagesetup after imaging has completed. Held jobs can be released to continue processing via the QueueManager toolbar or contextual (right-click) menu.
  - Hold After Rendering – Hold jobs submitted to the Published Pagesetup after rendering has completed. Held jobs can be released to continue processing via the QueueManager toolbar or contextual (right-click) menu.
  - Nest – When enabled, this option will nest jobs submitted to the Published Pagesetup according to the criteria defined in the Output used by the Pagesetup/Media.
    Note: The Nest function only requires that the Output used has nesting parameters defined. The Output itself can have nesting disabled for normal use. This makes it possible to create multiple nesting or non-nesting Published Pagesetup's to print via the same Output.

Colour Correction

- Replace Colour Set – Select a Replace Colour Set from the list of available sets. You are able to preview the set, edit it, or create a new one.
- Cyan/Magenta/Yellow/Black DotGain Curves – Select a C, M,Y or K DotGain Curve to be applied. You are able to preview the curves, edit them or create new ones.
- Specials DotGain Curve – Select a DotGain Curve to be applied to the Special Spot Plates only. One curve affects all Special Colours the same way. You can preview the curve, edit it or create a new one.
- Device Linearisation Curve – Select a Device (platesetter) Linearisation Curve to be applied. You can preview the curve, edit it or create a new one.

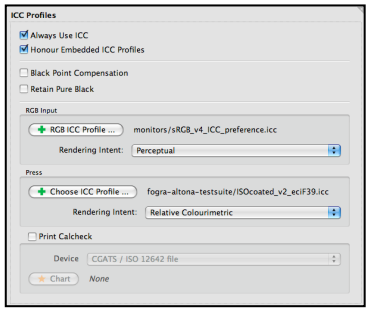


ICC Profiles

- Always Use ICC – Enable this to always use the assigned ICC profiles for jobs submitted to the Pagesetup (and Media). If this is not enabled, the ICC profiles selected are only used in colourspace conversion.
- Honour Embedded ICC Profiles – Enable this to use an ICC profile embedded in a submitted TIFF, JPEG or EPS file as the input match profile. When enabled, embedded file profiles will always take precedence over any Match ICC assigned to the Pagesetup.

Note: The TIFF Image output driver has an option to embed an ICC profile into TIFF files that are output by Veripress.

- Black Point Compensation – This setting is designed for use when processing input from large gamut sources such as photographs and RGB images. Black Point Compensation enhances shadow details in these images; assists when viewing shadowed areas in non-ideal or everyday lighting conditions; and prevents flooding in CMY gray areas.
  This setting only functions when using colourimetric intents, and when Always Use ICC is checked.
  Black Point Compensation should not be used for normal CMYK proofing jobs, which are generally well within the gamut of an output device (Inkjet printer).



- Intent – Select the rendering intent to use. Options include:
  - Perceptual – All colours are moved proportionally to each other so the eye perceives the colours to be correct (i.e., colours out of gamut move into gamut, and those in gamut move proportionally to those out of gamut).

- Relative Colourimetric – Those colours out of gamut are moved into gamut, and those in gamut are left untouched.
- Absolute Colourimetric – The colours are left alone so those out of gamut cannot be reproduced. Adjusts the white point of the media to match that in the input ICC profile.
- Saturation – Those colours out of gamut move into gamut, but all colours increase in saturation as a result.

- Retain Pure Black – When ICC profiles are used, all colours, even solids, are made up of a mix of different colours. Selecting Retain Pure Black uses only black for areas containing just black. When enabled, the following options become available:
  - All – Uses black ink only in all areas defined as Black.
  - Text – Uses black ink only in elements defined as Black text. This can improve the clarity and sharpness of the text.

Note: This option is not always suitable for use with printers using light black inks, as many of these inks tend to have a non-black hue.

- RGB ICC Profile – Select an RGB Input profile. This is used to convert input data from RGB to Lab and should be a scanner or digital camera profile.
- Press ICC Profile – Select a Press profile. This is a Match profile and is used to convert input data from CMYK to Lab. This can be a multicolour profile or CMYK. If you select a multicolour profile, an additional option will become available – Press Inks.
  - Press Inks – For multicolour press profiles you must specify the plates used in the ICC and the order of those plates. Selecting this option displays a Special Colour Set chooser, allowing you to select a pre-defined set or create a new one.

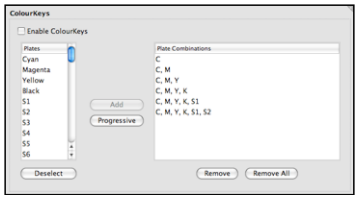
Important Note: For multicolour profiles to work, you must create the same colour names used in the ICC and have them in the same order. The order for the ICC is specified during ICC creation. This is independent of the actual press order. Change the order by dragging the colours around the set. The order is specified as the Colour (left column), order descending.

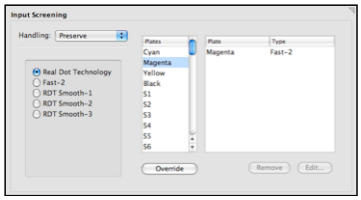
- Upload ICC – This is available on all of the ICC choosers. If the ICC profile is located somewhere other than the default ICC folders, you can use this function to upload it to the Server ICC folders in order for it to be used. As this is a Client-side option, you can use this function for moving ICC profiles from the machine they were created on to the Server. This can be either on the LAN or WAN as a remote machine.
- Print Calcheck – Select this to attach a calibration strip to every job passing through this Pagesetup.
  - Device – Choose the device you will use to measure the strip with. This creates the chart for the correct device.
  - Chart – Choose the chart for use from the popup window of Calcheck Charts.

Note: The Calcheck Chart is a Data Type in the Workbench. This is where you create the chart. Use the Displays application to measure it and produce a report.

ColourKeys

Merge some plates and separate others from a single job submission with ColourKeys. For example, merge the CMYK plates together and print the 3 specials as separate jobs, or you can create progressive proofs with C, CM, CMY, CMYK, CMYKS1, etc.





- Enable ColourKeys – Select this to turn the module on.
- Plates – Shows a list of available plates.
- Add – Adds the selected plates to the Plate
- Combinations list.
- Progressive – Used to make progressive proofs. After adding the first plate to be used in the proof, click the Progressive button one or more times to cumulatively add plates to the Plate Combinations list. The progression will start with the first plate on the Plates list by default if a first plate is not selected.
- Deselect – Deselects any plates currently selected in the Plates list.
- Remove –Removes the selected Plate Combination from the list.
- Remove All – Clears the Plate Combination List.

Input Screening

Input Screening determines how the screening on the input data is handled. There are two (2) choices – Preserve and Descreen.

- Preserve – Preserves the dots from the incoming data so the same dots on the final job are shown on the proof. Further choices are:
  - Real Dot Technology – Used to preserve the dot structure.
  - Fast-2 – Similar to RDT but a faster method.
  - RDT Smooth 1, 2 and 3 – This is RDT with progressive levels of smoothing.

Note: Fast-2 should be used where the dot structure is not very important. It will preserve the dot but is a quick, low quality method. The sharpest dot structure will be achieved using RDT, however you will sometimes get introduced moire, caused by the head weaving of the printer, the resolution and the screen ruling of the original file.

- Descreen – Descreens the incoming data with either:
  - D-Dot – Removes the dots; or
  - Fast – Quick descreening algorithm

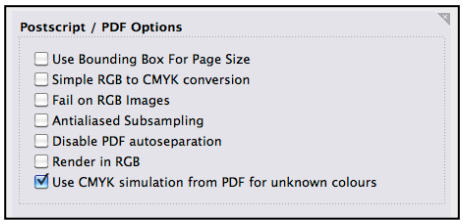
Note: D-Dot is used where the output job is being sent to a photocopier or similar device, with a front-end RIP that applies a screen of its own. If you did not remove the dot, the job would be double screened, producing poor output. Use Fast for all other methods when the incoming screening is not to be preserved.

- Plates and Plate/Type – Override the descreening mode selected with other modes for the plates. This is needed so that, for example, if RDT is used for all plates except Black (which uses RDT Smooth-2) you will avoid getting moire.

Postscript / PDF Options

The following options are only used when the incoming data is Postscript:

- Use Bounding Box for Page Size – Some Postscript jobs do not place a page size in the job information. Checking this will use the bounding box as the page size.
- Simple RGB to CMYK Conversion – This is a compatibility mode from older versions of the product. Images are converted from RGB to CMYK quickly using a basic method. The colour is not very accurate and is not recommended for contract proofs.
- Fail on RGB Images – Causes a job to fail if it contains RGB images. If this is not checked, the jobs will process but RGB images will be ignored and not printed.
- Antialiased Subsampling – Used to assist in the rendering of some fonts.
- Disable PDF Autoseparation – Turns off autoseparation for PDF files.
- Render in RGB – Allows Postscript file data to be processed in an RGB rendering mode, with a wide gamut suitable for digital photographic proofs/prints.
- Use CMYK simulation from PDF for unknown colours – Allow the CMYK simulations from PDF files to be substituted for unknown spot colours.



Note: An Unknown Specials colour set can now be assigned in the Server Settings. This allows unknown special/spot colours included in PDF or Postscript jobs to be automatically added to the set.

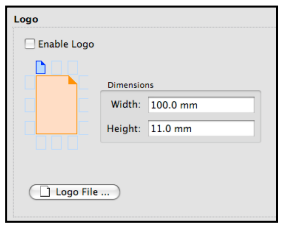
Resampling

Configure the method for sampling incoming data and changing the resolution from the input to that of the output. The options are:

- Nearest Neighbour – The fastest method but less accurate. Choices are made as the closest pixels from input to output and can result in jagged edges or stepping effects.
- Bilinear – A medium quality sampling method and can take longer than Nearest Neighbour. Bilinear takes the weighted average of 4 pixels from input to output. Best for use with screened data.
- Bicubic – High quality sampling method which takes longer to calculate than Bilinear. Bicubic uses the weighted average of 16 pixels from input to output. This is the default option for any new Pagesetup's created.

- Filtered – Serendipity's own sampling method, giving the highest quality. It takes longer to process than Bicubic and uses an averaged area from input to output. This setting provides better resampling for contone data, such as Postscript and PDF.

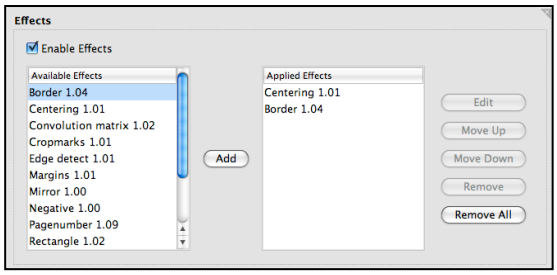
Logo



Position your own company logo, sign-off slugline or colour bar for checking consistency anywhere around the job. The logo passes through the same colour management as the job and can therefore be verified. The file is not rotated during output (except if Auto Rotate When Nesting is enabled). If the logo file is positioned along the left or right sides, the EPS file should be created in the appropriate orientation.

- Enable Logo – Turn the Logo effect on or off.
- Dimensions – Enter the print dimensions of the Logo.
- Logo File – Select this to choose your Logo file.

Effects

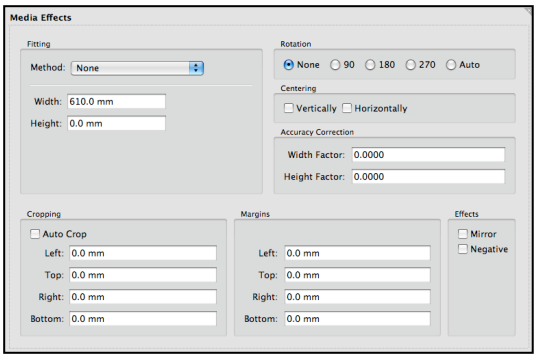


Various effects may be applied to jobs passing through the Pagesetup. Effects are applied in the order they appear here. Some effects have separate attributes for customisation and can be edited once they are in the Applied Effects column.

The Effects are:

- Border – Place a border around the job. Line width and colour can be specified.
- Centering – Centre the job in the specified page area.
- Convolution Matrix – Design your own filter effect according to a pre-defined mathematical operation known as convolution.
- Cropmarks – Place crop marks around a job. Line width, length and clearance can be specified.
- Edge Detect – Remove all content and just leave the edges.
- Margins – Specify margins around the job.
- Mirror – Mirrors the job.
- Negative – Renders the job as a negative.
- Pagenumber – Place the page number in the middle of the page as a watermark. Scale factor and opacity can be configured, and choose between page number of the job or the page number of the signature (when using De-Imposition).
- Rectangle – Draw a rectangle around the job inset at the desired distance, line width and colour.
- Registration Marks – When enabled, this effect will add registration marks at each corner of the submitted job. Line width, Inner and Outer Radius are all configurable.
- Signature Decorations – Place page lines (from the signature) and page numbers on the job. Further options are available. Choosing lines for pages will print a line around the page. Lines for spreads will print a line around paired pages (spreads).
- Slugline – Place job information on the job. There are a number of options available via the Edit button. If you are using a narrow format paper and the full slugline doesn't fit, select Custom Slugline and turn all options on. This will show an item per line. Within Custom, fields selected will only be printed if they are relevant to the job.
- Unsharp Mask – Apply an unsharp mask to the job. The Unsharp Mask affects the edges within an image and can be controlled with the available parameters. The radius tells us how large an area to affect around the edges. The larger the radius, the greater the effect and the longer it takes to process. If the preview resolution is high, a given radius will have less effect than if the resolution is lower. If the detail is quite fine, a smaller radius should be used. Higher radius values can also cause halos at the edges. The threshold gives a level that should be affected where 0 affects more of the image and 255 very little. The amount states the size of the change, where a higher value is a greater change at the edges.
- Watermark – Place a watermark across the job. The scale of the watermark is proportional to the size of the job. 100% represents the same size as the job in the smallest direction. If the stretch option is selected, horizontal and vertical sides are stretched to the scale amount. The watermark will be scaled in an anamorphic manner.

Media Effects



The attributes here allow you to manipulate the job in various ways:

- Fitting Method
  - None – Fitting method is turned off.
  - Fit Width/Fit Height/Fit Width & Height – Shrinks jobs to fit within the set dimensions; proportions are maintained.
  - Scale Factor – Scales jobs by the amount specified.
  - Tiles – Tiles a job that is larger than the width & height specified. If required, an overlap can also be entered. Useful for large posters or billboards.
  - Best Fit Width/Best Fit Height/Best Fit Width & Height – As Fit, but will shrink or enlarge jobs to fit/fill dimensions entered while maintaining proportions.
  - De-Imposition - Can be used to take an imposed file like an 8UP, de-impose it into 2UPs or singles and print it on a smaller printer; or produce a single page PDF file. If this option is selected, a further Signature Group button becomes available for selection.

Note: If the **Fit** or **Best Fit** options are chosen and the width & height fields are left at 0, the Fit will default to the media width and height as defined in the Media assigned to the Pagesetup when printing (see Media for details).

- Rotation – Choose from None, 90, 180, or 270 degrees. Automatic rotation may also be selected to best fit the job using the media width and height specified.

Note: Auto Rotation is very useful for saving media, but if a job is rotated, it takes longer to process – the larger the job, the longer the process time. Rotation takes place at the beginning of the Rendering phase and will affect cropping, margins and so on. If you are auto-rotating when nesting (See Nesting in the Output section), it is advisable to have Sheet Auto Rotation turned off, otherwise the job rotation will be calculated twice, again increasing the process time. Increasing system memory can also improve processing times.

- Centring – Choose between Vertically or Horizontally.
  Use this if you need to centre a job at any time. In particular, you may need to use it when printing to a double-sided printer to help match the front and back sides.
- Accuracy Correction – Compensate for media stretch or paper feed errors by specifying a correction amount for width and height.
- Cropping – Crop the job in all directions. When specifying cropping, you will need to take into account any rotation that has been applied, as cropping takes place ***after*** rotation.
- Auto Crop – Enables auto-cropping to remove blank area around an image. The crop stops at the first coloured pixel encountered in the file image.
- Margins – Specify a margin around the job. You may have to specify a margin to shift a job over or compensate for a printer's set margin. As with cropping, take rotation into account.
- Effects – Mirror or Negative your job by enabling either option.

Note: The Mirror and Negative effects in the Sheet panel differ to those in the Effects panel in that they apply the effect at the Imaging stage of processing.

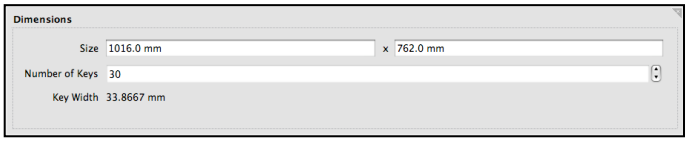
Press

The Press data type is used to emulate the properties of a press for softproofing. Each Press configuration can be assigned a press ICC profile, dotgain curves, press sheet dimensions, the number of ink keys, ink and paper characteristics; all combining to produce accurate onscreen softproofs.

The Press can be switched on-the-fly while softproofing to instantly show how a job will look if printed on a different press or on different stock.

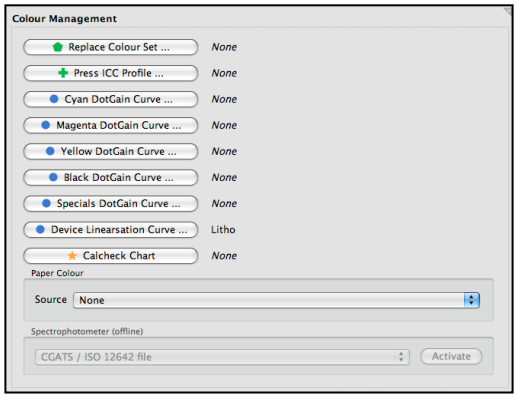
Dimensions

Enter the size of the printable sheet area of the press and its number of Ink Keys. The Key Width is calculated from these values.



Colour Management

This panel is where the Press ICC profile is assigned, along with any process CMYK, spot colour or device (platesetter) dotgain curves required to reproduce the colour performance of the press.



- Replace Colour Set – Select a Replace Colour Set to be applied.
- Press ICC Profile – Select a press ICC. This can be one created on your press or a printing standard ICC which is used as the target or match profile.
- CMYK DotGain Curves – Select individual C, M, Y, or K DotGain Curves to be applied.
- Specials DotGain Curve – Select a DotGain Curve to be applied to any special or spot colours.
- Device Linearisation Curve – Select a device (platesetter) DotGain Curve to be applied.
- Calcheck Chart – Select a chart to verify the SoftProof's calibration status.
- Paper Colour – Three (3) options are available:
  - None – Do not change the paper colour;
  - ICC Profile – Use the white point from the press ICC profile and apply as the paper colour; or
  - Custom – Enter your own value for the paper colour or use a Spectrophotometer to measure the paper white directly into the configuration.

Ink and Paper

Configure the ink and paper properties of the press to simulate their effects in the SoftProof application. This helps to produce more accurate proofs, allowing you to build up a library of paper and press combinations.

- Maximum Ink Weight – Enter a value for the maximum ink weight. This value is used by the InkKeyViewer to show excess ink.
- Stretch Factor – Enter a compensation factor to allow for stretch. It can be used for distortion simulation or anamorphic scaling, where one direction will distort more than the other.

Note: The easiest way to calculate stretch is to draw a rectangle 1m x 1m and print it. Measure the rectangle and enter the value. If the size is 98cm, enter 0.98. If the size is 102cm, enter 1.02.

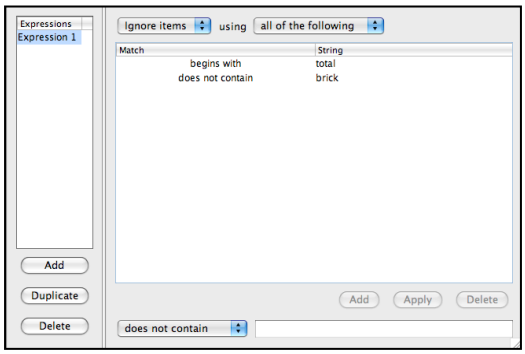
- Back Page Opacity – Enter a value between 0 and 100%. This controls the amount of show through of the back page through the front page when reverse page viewing in SoftProof.
- Back Page DotGain Curve – Select a DotGain Curve to apply to the back page when using the Show Back Page option in SoftProof.
- Top Page – Choose Even or Odd. This is used to determine which page backs onto which, so the correct back page is shown when requested.

Regular Expression

The Regular Expression data type is assigned as a filter to an auto-proofing RIP queue. Here, the user constructs a set of rules whereby only files with a particular naming structure will be submitted for auto-proofing.

Expressions

Similar to the Job Genie, the Expressions (search tasks) are entered and displayed in the left list. Each expression is made up of one or more strings used to match or ignore files.



The Expressions are handled in the order they appear in the list. If the first expression matches a job name and that expression rule is to ignore items, the job is not passed to the next expression for further consideration. Expressions can be reordered by selecting the item and dragging up or down the list as required.

List Options

- Add – Adds a new expression to the list.
- Duplicate – Makes a copy of the currently selected expression.
- Delete – Removes the currently selected expression.

Match

This is where you specify what you want to match and the rules to apply. You can enter one or more strings to match and apply different rules to each.

Match options:

- Match Items – Matches the strings entered. If no other expressions exist, the job is submitted for auto-proofing.
- Ignore Items – Ignores anything that matches the strings entered. If a job name matches, it is ignored and not submitted for proofing or passed to other expressions for further matching.
- Any of the Following – The match is true if any string match conditions are met. If you have two or more match strings in the one expression and either of them match a job name, the Match Items or Ignore Items rule is applied.
- All of the Following – The match is only true if all string match conditions are met.

String

Enter the string to match in the text field at the bottom of the screen. This is a job name or part of a job name. The match depends on one of the following conditions, selected with the string:

- Contains – The job name contains the entered string.
- Begins With – The job name begins with the entered string.
- Ends With – The job name ends with the entered string.
- Is – The job name matches the entered string exactly.
- Does Not Contain – The job name does not contain the entered string.
- Does Not Begin With – The job name does not begin with the entered string.
- Does Not End With – The job name does not end with the entered string.
- Is Not – The job name is not the entered string exactly.

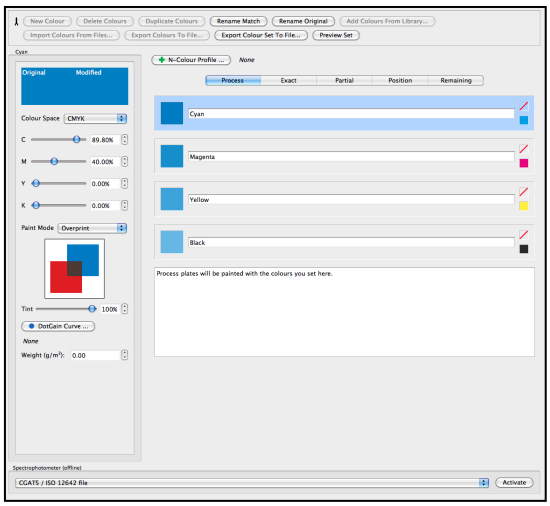
Match String Options

- Add – Adds the match string to the list.
- Apply – Apply changes to the selected match string in the list.
- Delete – Removes the currently selected match string from the list.

Replace Colour Set

The Replace Colour Set is used to match and replace certain colours as they pass through the system. You can match and replace process or spot colours and choose to match by name or position. Colours can be created directly or imported from popular desktop applications, or a Special Colour Set.

There are a few uses for the Replace Colour Set. It is used to create a digital blue line, which replaces all colours with varying hues of blue allowing traps to be easily seen. It can also be used for replacing special colours where the name varies, such as Pantone 101C and Pantone 101CVC.



Toolbar Options

- New Colour – Creates a new untitled colour in the list. Click on either the Match Plate or Original name to change it.
- Delete Colours – Deletes the selected colour/s.
- Duplicate Colours – Makes a copy of the selected colour/s.
- Rename Match – Rename one or more Match Plates using a popup Find and Replace tool.
- Rename Original – Rename one or more Original replacement colour names using a popup Find and Replace tool.
- Add Colours From Library – Select one or more colours from a Special Colour Set within Veripress to be added to the Replace Colour Set.

  Alternatively, this window may be opened by double-clicking on an empty area of the list panel; or double-click on a selected colour in the list to open the Add Colours window and replace it with the chosen colour.

- Import Colours From Files – Import colours from compatible third party applications, CGATS/ISO 12642 files or previously exported colour sets. N-Colour swatches will not import unless an N-colour ICC profile with matching process colour channels is first assigned to the Special Colour Set. If CMYK swatches are imported to an N-Colour set, extra colour channels with 0% values will be added to match the colour space.
- Export Colours To File – Export the colour swatches to a CGATS/ISO 12642 file. If the set contains a mix of CMYK/N-colour and Lab colours, you will be prompted to export either CMYK/N-colour or Lab colours. The file standard limits exported colours to one colourspace.
- Export Colour Set To File – Export the entire Replace Colour Set to a file. If the set contains a mix of CMYK and Lab colours, you will be asked whether to export CMYK or Lab.
- Preview Set – Opens a popup window listing all the Replace Colours in the set with colour properties and replacement method.
- N-Colour Profile – Assign a multi-colour ICC profile to the Replace Colour Set.

Note: If an N-Colour multicolour ICC profile is assigned to the set, users will have the option to adjust colours in an Lab or N-Colour colourspace as defined by the ICC profile (e.g., Lab or CMYKOG). Colours for each Replace Colour Set can only be defined in Lab and/or a single other colourspace. If no N-Colour profile is assigned, colours are adjusted using either Lab or CMYK values.

All the Toolbar options can be accessed via the contextual (right-click) menu available in the colour list panel.

Replacement Method Tabs

There are five (5) tabbed panels where colours are created or imported when making a Replace Set. Each tab performs a specific replacement function.

Tab 1 – Process

Specify any of the Process CMYK colours you want to be replaced. Each of the process colours listed in the panel has:

- A swatch box showing the replacement for the process colour (left). Double-click this box to import a replacement colour;
- An editable naming field for the process colour; and
- A Reset button for the colour of the process plate (lower right) and a Cancel button to switch off replacement for that process colour (upper right).

Process colour replacement is set to Off for all 4 colours by default.

Tab 2 – Exact
When using the Exact replacement method, only incoming colours *precisely* matching the Match Plate name will be replaced with the new colour. Matching is not case sensitive.

Tab 3 – Partial
When using the Partial replacement method, any incoming colours are replaced with the new colour if *any part* of the name matches the Match Plate name. Matching is not case sensitive.

Tab 4 – Position
The Position method replaces any incoming Special colour in a particular plate position with the new colour.

The Exact, Partial and Position panels have a Search box at the top right used for locating colours in the replacement list. The list itself has a series of sort columns detailing properties of each replacement colour.

Colours can be selected and dragged to another position within the list. This is useful in Position replacement where the plate position is important.

The order of the columns can be changed by dragging them to the desired location and the headers are configurable via a context menu. The available columns are:

- Match Plate – Shows the replacement colour swatch. The Exact or Partial name in this field is the one to be matched to the incoming colour being replaced. In the case of Position replacement, the name shows the plate position. Click on the name to change it.
- Values – Shows the colourspace values of the replacement colour.
- Original Name – The original name of the replacement colour in the Match Plate swatch. Click on the name to change it.
- Space – The colourspace of the replacement colour plate.
- Mode – The Paint Mode of the colour: Overprint, Knockout, Primer, Opaque or Transparent.
- Tint – The tint or intensity of the colour.
- DotGain Curve – The name of the DotGain Curve applied to the plate (if any).
- Weight (g/m^2) – The Press Ink Weight of the colour in g/m^2 (if assigned).

Tab 5 – Remaining
Allocate one colour to replace Special Plates that are not matched by anything else. This only replaces special colours and not CMYK process colours. This panel has a similar interface to the Process panel.

Colour Adjustment Panel
View and adjust the colourspace values and plate properties of a selected colour.

The name of the colour selected is shown at the top. A window displays the Original colour and Modified colour as adjustments are being made. A correctly calibrated monitor with an assigned Match ICC profile will display an accurate representation of the colour/s.

Available adjustment options are:

- Colourspace – Choose between Lab or CMYK (or multicolour if an N-Colour ICC profile has been assigned to the Replace Colour Set). The sliders change accordingly for making adjustments to the Lab or CMYK/N-Colour values. These can be entered directly or fine-tuned using the up/down arrows.
- Paint Mode – Choose the Paint Mode for the colour. The diagram shows the Paint Mode, Opacity and Tint of the selected colour. Choices are:
    - Overprint
    - Knockout
    - Primer
    - Opaque (adds an opacity % slider)
    - Transparent
- Tint – Adjust the intensity of the colour by adjusting the slider, entering a tint value or using the up/down arrows.
- DotGain Curve – Choose a DotGain Curve to apply to the colour.

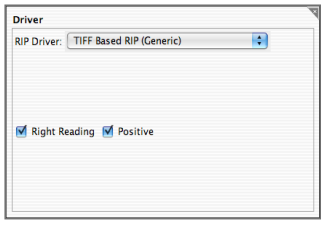
Note: A DotGain Curve applied to a replacement colour takes precedence over global Process or Specials DotGain Curves assigned to a Pagesetup. The Pagesetup curves are ignored for the colour.

- Weight – Optionally assign an Ink Weight (in g/m²) to the selected colour. This weight is used in the InkKeyViewer (SoftProof) and in Calculate Ink Weights (QueueManager).
- Spectrophotometer – Choose a supported Spectrophotometer to read colour values directly into the Special Colour Set.

RIP

Different RIPs store their files in different formats and in different locations. The RIP data type is used to configure how and where Veripress polls for these RIPped jobs.

Driver



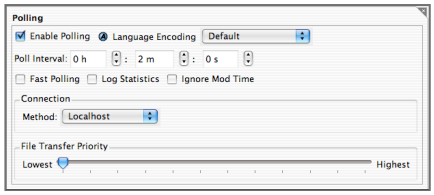
This panel is where the driver used to poll and interpret the incoming file format is selected. The driver must match the type of RIPped file to be polled. Options available in other sections of the RIP configuration may change depending on the RIP input filter selected.

- RIP Driver – Choose the RIP driver (input filter) from the list of supported RIPs. The list of available drivers will depend upon the bits enabled on the dongle.

Custom Settings – Depending on the driver selected, there may be specific parameters requiring setup for a valid configuration. Use the Edit button to set up these parameters.

Polling

Polling is the method used to look for files. The configuration for polling the RIPped files is set up in this section. When you poll, Veripress looks in the specified location (defined under Paths) for files matching the RIP driver selected. A list is compiled and sent back to Veripress for display in the RIPMonitor. It takes three (3) successful polls before a file is shown in the RIPMonitor and the files must be stable (not changed since the last poll).



The available options are:

- Enable Polling – Turn polling on or off.
- Poll Interval – Configure how frequently to poll for files. The Poll Interval should be set according to your specific requirements. Setting the Poll Interval too short can flood the network with polling requests (packets) causing it to slow down. Setting it too long can take a long time to show stable files ready for submission.
- Fast Polling – This will automatically poll two (2) more times as soon as one (1) automatic poll has completed. It will not wait for the next scheduled Poll Interval before it polls again. Files may appear incomplete in the RIPMonitor if there has not been sufficient time between polls for a job's complete set of plates to finish the RIP process.
- Log Statistics – Log the polling statistics in the Server log. The log message reports "Started automatic poll on <date>" when polling starts and "Completed automatic poll on <date>" when finished.
- Ignore Mod Time – Ignore the modification time on the file. Useful for Harlequin RIPs that update the modification time on the file when moving the job between the Held and Active queues.
- Job Genie – Assign a selected Job Genie to the RIP. This options becomes available when using a TIFF Based RIP (User Configurable), PDF or Postscript input filter. If used, only files defined as valid by the Job Genie will appear for submission in the RIPMonitor (see the *Job Genie* section for further details).

Connection

The connection specifies the method used for polling. The options are:

- Agent – The most efficient connection method. This option connects to a Serendipity Polling Agent installed on the system where the RIP files are located.
- Localhost – Polls a directory path on the computer where the Veripress Server is installed.
- FTP – Uses File Transfer Protocol (FTP) to poll and transfer the files from the RIP to Veripress.
- Secure FTP (SFTP) – Uses Secure File Transfer Protocol to poll and transfer the files from the RIP to Veripress.

File Transfer Priority

This specifies the priority to be used for transferring files from the RIP to Veripress. You can adjust from Lowest to Highest or anywhere in between.

Sometimes a high priority can affect the RIP performance, especially on older RIPs. This can cause problems, such as RIPs pausing. If this happens, reduce the priority level.

Paths

Specify the paths to the RIPped files residing on your RIP. This may be a single path or multiple paths and can be made up of striped paths. The path structure is dependent upon the RIP driver selected. The options available are detailed below.

- New – Adds a new path or stripe path to the Paths field. Selecting this displays another window to type the path or browse to locate the folder containing the jobs. Browse will only work if the connection method has been specified and is valid.
- Delete – Deletes the selected paths.
- Delete All – Deletes all paths from the list.

Most RIP drivers use recursive polling, i.e., they will poll down the directory structure into sub directories from the top-level directory specified in the path. The more sub directories to be searched, the longer it takes. Specify the path as close as possible to your files for quicker results.

Stripe Paths

Some RIPs place jobs on different drives, but in the same location. They can add more drives to a RIP, giving it a new mount point, for e.g., E:/RIPJobs, F:/RIPJobs and G:/RIPJobs. These all have a common path of RIPJobs, but are "striped" across 3 drives, therefore specify the drives (E:, F: and G:) in the Stripe Paths and the path (/RIPJobs) in Paths.

Note: This is important for RIPs sharing plates from single jobs across multiple drives, for e.g., Cyan & Magenta on E drive and Yellow & Black of the same job on F drive. If this is not setup as a stripe, the plates will not be stitched together.

AutoProofing

Jobs can be submitted manually from the RIPMonitor as desired. Alternatively, you can configure the RIP to have jobs submitted automatically via the AutoProof facility. This way any new job that appears, if stable and meets the specified criteria, will be submitted for processing. The options available are listed below.

- Enable AutoProofing – Turns AutoProofing on or off.
- Printing – Specifies how the jobs are to be printed. Options are:
    - Copies – Specify the number of copies to be printed. Default is 0.
    - Use Pagesetup – Print to the selected Pagesetup.
    - Choose – Select an existing Pagesetup or create a new one if necessary.

Criteria

You can select certain conditions that must exist before a job is automatically submitted. The options are:

- Delay (seconds) – The length of time to wait to see if a job changes prior to submitting. A job may change as other plates are RIPped and added to the job. A suitable amount of time needs to be specified in order to ensure a complete job is submitted.
- Minimum Plate Count – Specify a certain number of plates that must exist before a job is submitted for AutoProofing.
- Must Have – Select which process plates must exist in the job before AutoProofing.
- Filter – Select a filter to use for AutoProofing. See the *Regular Expression* section for further information on Filters.
- Delete Jobs From RIP After AutoProofing – Delete jobs after a successful AutoProof. This is only available when jobs are locally hosted (Localhost polling). This may be used when a temporary file is created, for example, when adding halftone dots to unscreened data.
- Hold After Imaging – Places the job on hold in the Rendering queue after imaging has successfully completed.
- Hold After Rendering – Places the job in a held state in the Output queue after rendering has successfully completed.

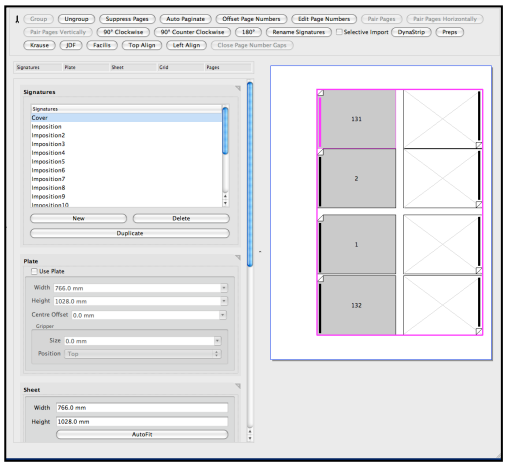
Job Filtering

This is only available when the RIP driver is set to poll imposition RIPs. You can specify if AutoProofing should be carried out on All Jobs or just Imposed Jobs.

Testing

Once the configuration is complete, you can test the parameters are correct. The configuration must be saved before a test can be done. If it is not saved, you will be prompted to save and test. A test poll checks RIP connection, Path validity and job presence. Messages appear in the window to alert you to any problems or give confirmation of a valid configuration.

Signature Group



Import or create groups of Signatures, defining the page, sheet and size parameters of press impositions. The imposed files can then be submitted for de-imposition from the RIPMonitor and separated during processing into smaller groups or individual pages to fit the media, or to view a publication in its intended form.

The interface has a toolbar with various options and a series of five (5) panels used to configure the Signatures. A display panel shows the layout of the selected signature(s) to the right.

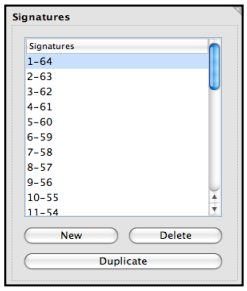
Toolbar Options

- Group – Groups two or more pages together. Pages must be the same size and alignment. The Group button is only available when valid pages are selected.
- Ungroup – Ungroup a group of pages. Only available when a group is selected.
- Suppress Pages – Suppress the selected page or pages (marks it as not for print).
- Auto Paginate – Automatically allocates page numbers to the signature. This will include any page currently suppressed.
- Offset Page Numbers – Offsets the selected page numbers by the desired amount. Enter the offset value to be added to or subtracted from the page numbers.
- Edit Page Numbers – Edits the page number of those selected. Tab moves to the next selected page. The page numbers can also be edited by clicking on the page.
- Pair Pages – Automatically pairs the pages along the long sides. The pages must match, the headers must be in the same position and they must be joined (no gaps). If there is a gap, the manual pair option must be used. After pairing you may need to use the Close Page Number Gaps option. See below for further information.
- Pair Pages Horizontally – Pairs pages in the horizontal direction.
- Pair Pages Vertically – Pairs pages in the vertical direction.
- Rotate Selected Signatures – Rotates the selected signatures by the amount chosen. The options are:
    - 90 Degrees Clockwise
    - 90 Degrees Counter Clockwise
    - 180 Degrees
- Rename Signatures – Selecting this displays a rename box to search for and replace names. Options are:
    - Find – Enter the characters to find in the list.
    - Replace With – Enter the text to insert in place of the characters found. You can use any valid characters, including spaces. If nothing is entered, the characters found are deleted if one of the rename options is selected.
    - Ignore Case – Choose whether your match is case sensitive.
    - Wrap Around – Continue from the top of the list when the bottom is reached.
    - Rename All – Rename all items that are found.
    - Rename Selected – Rename the selected signatures if the characters are found.
    - Rename Current – Rename the currently selected signature if the characters are found. If more than one signature is selected, the first one in the list is checked for a match and renamed if true.
    - Find Previous – Searches backwards.
    - Find Next – Searches forwards.
    - Prefix With/Append – Two options allowing you to add characters before or after the names.
- Import Signatures – Import a signature made by another application. The available types are:
    - DynaStrip – Files are usually named with a sheet number and a .dsf extension.
    - Preps – Files are Prep Templates.
    - Krause – Files usually end in a number, such as *jobname.001*.
    - JDF – Files usually have a .jdf extension.
    - Facilis – Files are usually named with a .dai extension.
- Selective Import – Enable this to choose or alter any/all Signatures from the source file prior to import. The following options are available:

- Group Pages – Group the pages together as they are imported. The pages must be the same size and align for grouping. The diagram shows a pink line around individual pages when they are not grouped or around all pages when they are grouped. Pages must group for pairing to work.
- Inclusive – This option attempts to group pages with parameters/alignments differing by very small amounts.
- Rotation – Choose to rotate the signatures during import.
- Offset Page Numbers – Offset the page numbers of those signatures imported by a number. Imported JDF files generally need to have the Offset Page Numbers set to 1, otherwise the first page will begin at 0. This can be changed after import if necessary.

- Top Align / Left Align – Optional ways of viewing the interface, depending on your display and preferred layout.
- Close Page Number Gaps – Use this to close the page numbers after pairing. When pairing a large publication, the lowest page number of the pair is used as the resultant paired page number. This usually produces gaps in the page numbers. Close Page Number Gaps closes the gaps so pages are sequential.
- Import Language Encoding – Select the appropriate language encoding for the signatures so the names can be displayed correctly in the native language. This is set from the contextual menu (right click).

Signatures



This panel lists all of the Signatures in the group. The Plate, Sheet, Grid and Page options for the selected Signature are shown in the configuration panels on the screen.

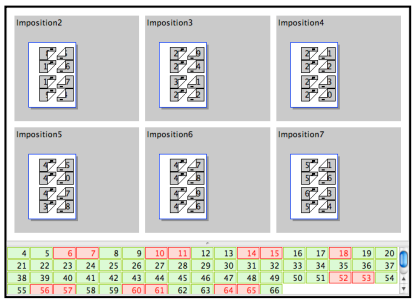
Signature Options:

- New – Creates a new untitled signature.
- Delete – Removes the selected signatures from the list.
- Duplicate – Makes a copy of the selected signatures.

Signatures can be multi-selected or dragged and dropped to another position in the list (for de-imposition purposes). When multiple Signatures are selected, all will be shown in the display panel. The Plate (if in use), Sheet and Pages settings can be edited to make mass changes to all selected Signatures.

Display Panel

Signatures selected from the list are displayed in this panel, with all Plate, Sheet and layout properties as defined in the configuration panels visually represented. If multiple signatures (or pages) are selected, differing parameter values will be shown by bold, underlined field titles in the configuration panels.



The display panel is interactive and is used to:

- Select one or more individual “pages” within a signature for editing in the Pages panel;
- Select pages for grouping or ungrouping, pairing, or page offset;
- Show where pages of multi-selected signatures fit within a publication in a bottom Page Navigator panel. Pages belonging to the signatures are shown in green; pages from non-selected signatures are shown in red; doubled-up pages are shown in purple. Selecting all signatures makes it simple to check the integrity of the Signature Group.
- Select a page from the Page Navigator to highlight which signature it belongs to.

When viewing multiple signatures, the thumbnail sizes can be increased or decreased with the cmd+/- keys (Mac) or ctrl+/- (Win).

Plate

Turn the Plate options on or off by selecting the Use Plate tick box.

The Plate settings are:

- Width
- Height

- Centre Offset – The value to offset the centre by. This is dependent upon the gripper position.
- Gripper Size
- Gripper Position

The plate width and height will alter the press Sheet size if the plate size is larger. If the plate size is smaller, the press Sheet size is not affected. A plate size larger than the sheet size will appear with a red line outline within the signature preview panel.

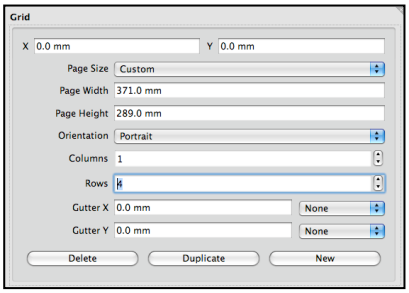
Sheet

Enter the dimensions of the press sheet in this panel. The options are:

- Width
- Height
- AutoFit – Changes the press sheet size so the pages fit.

Grid

This panel is where the grid of pages that make up the imposition signature is defined or edited. The options are:



- X and Y Position – This sets the top left position of the selected group or page in respect to the top left of the press sheet.
- Page Size – Select the size of the single page selected from one of the pre-set page sizes or choose Custom.
- Page Width – Enter the width of the single page selected. The pre-set page sizes automatically complete this field.
- Page Height – Enter the height of the single page selected. The pre-set page sizes automatically complete this field.
- Orientation – Select the orientation of the selected page between Portrait or Landscape.
- Columns – Enter the number of columns for the signature.
- Rows – Enter the number of rows for the signature.
- Gutter X and Y – Enter the size of the gutter for the signature. If you select a gap first, the value is applied to the selected gutter only. If you wish to apply a value to All, Even or Odd, you need to select it from the pull down menu first and then enter the value. Press Enter to apply the value.
- Delete – Deletes the selected pages or groups.
- Duplicate – Duplicates the selected page or group. This is positioned at top left (X=0, Y=0).
- New/Place – Creates a new page or group. Selecting this changes the button to Place. Enter the page attributes as desired and click Place to position the page or group. If you change your mind, press Esc to cancel.

Pages

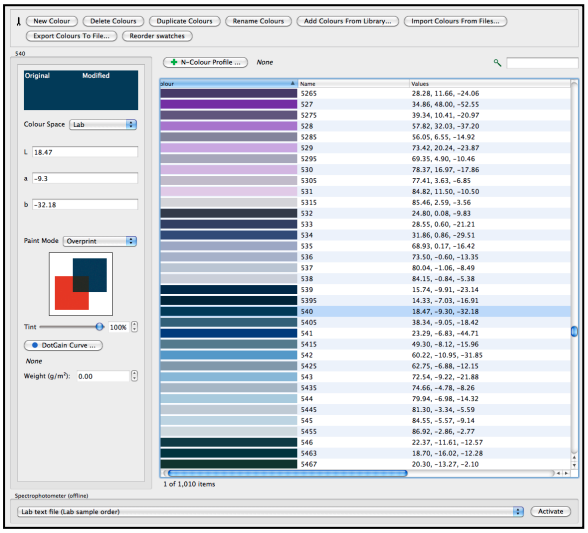
- Number – Enter the page number of the selected pages.
- Top Bleed – Enter the amount of top bleed to apply to the selected pages.
- Bottom Bleed – Enter the amount of bottom bleed to apply to the selected pages.
- Left Bleed – Enter the amount of left bleed to apply to the selected pages.
- Right Bleed – Enter the amount of right bleed to apply to the selected pages.
- Page Head – Select the position for the head of the currently selected pages. As you choose, the diagram shows the change. The page head is indicated by a line and folded corner. Choose between:
    - Page Head Up
    - Page Head Down
    - Page Head Left
    - Page Head Right

Special Colour Set

Veripress uses special colour sets to identify and match colour plates when jobs are polled and processed. Special colours can be created manually, or imported from one of several popular applications. A library of sets can be built up for use in different proofing situations.

Colours can be created in Lab and a CMYK or N-Colour colourspace, read directly into the system using an online Spectrophotometer, or imported from a CGATS file. Each colour can have its ink Paint Mode or Press Ink Weight set and have an individual DotGain Curve assigned to it.

The interface includes a Toolbar with general creation and import options; a panel showing the list of colours in the Special Set; and another to adjust the properties of a selected colour.



Toolbar Options

- New Colour – Creates a new untitled colour in the list. Click on the name to change it.
- Delete Colours – Deletes the selected colours.
- Duplicate Colours – Makes a copy of the selected colours.
- Rename Colours – Rename one or more colours using a popup Find and Replace tool.
- Add Colours From Library – Select one or more colours from any other Special Colour Set created within Veripress.
- Import Colours From Files – Import colours from compatible third party applications, CGATS/ISO 12642 files or previously exported colour sets. N-Colour swatches will not import unless an N-colour ICC profile with matching process colour channels is first assigned to the Special Colour Set. If CMYK swatches are imported to an N-Colour set, extra colour channels with 0% values will be added to match the colour space.
- Export Colours To File – Export the colour swatches to a CGATS/ISO 12642 file. If the set contains a mix of CMYK/N-colour and Lab colours, you will be prompted to export either CMYK/N-colour or Lab colours. The file standard limits exported colours to one colourspace.
- Reorder swatches – Change the order of the colour swatches as they appear in the list.
  Note: Swatch order can be important as a Pantone plate being matched from a number will be assigned the first colour when matching the number in the set list.
- N-Colour Profile – Assign a multi-colour ICC profile to the Special Colour Set.

Note: If an N-Colour multicolour ICC profile is assigned to the set, users will have the option to adjust colours in an Lab or N-Colour colourspace as defined by the ICC profile (e.g., Lab or CMYKOG). Colours for each Special Colour Set can only be defined in Lab and/or a single other colourspace. If no N-Colour profile is assigned, colours are adjusted using either Lab or CMYK values.

All Toolbar options can be accessed via the contextual (right-click) menu available in the colour list panel, as well as:

- Print – Prints the colour list of the Special Colour Set, with colour swatches and details for each colour (see below).

Colour List Panel

This panel has a Search box at the top right for locating colours in the set list. The list has a series of sort columns, detailing properties of each special colour.

The order of the columns can be changed by dragging them to the desired location and the headers are configurable via a context (right click) menu. The available columns are:

- Colour – Gives a visual representation of the colour.
- Name – The colour plate name (used to match the colours). Click on the colour name to change it.
- Space – The colourspace of the plate.
- Values – Shows the colourspace values of the colour.
- Mode – The Paint Mode of the colour (Overprint, Knockout, Primer, Opaque or Transparent).
- Tint – The tint or intensity of the colour.
- DotGain Curve – The name of the DotGain Curve applied to the plate (if any).
- Weight (g/m²) – The press Ink Weight of the colour in g/m² (if assigned).

Double-clicking on an empty area of the list panel will open an Add Colours To Library window, allowing you to add colours to the set. Double-clicking on a selected colour in the list will open an Add Colours From Library window, allowing you to replace it with a chosen colour.

Colour Adjustment

View and adjust the colourspace values and plate properties of a selected colour.

The name of the colour selected is shown at the top. A window displays the Original colour and the Modified colour as adjustments are made. A correctly calibrated monitor with an assigned Match ICC profile will display an accurate representation of the colours.

Available adjustment options are:

- ColourSpace – Choose between Lab or CMYK (or multicolour if an N-Colour ICC profile has been assigned to the Special Colour Set). The sliders change accordingly for making any adjustments to the Lab or CMYK/N-Colour values. The values can also be entered directly or fine-tuned using the up/down arrows.
- Paint Mode – Choose the Paint mode for the colour. The choices are:
    - Overprint
    - Knockout
    - Primer
    - Opaque (Adds an Opacity % slider)
    - Transparent
- Tint – Adjust the intensity of the colour by adjusting the slider, entering a tint value, or using the up/down arrows.
- DotGain Curve – Choose a DotGain Curve to apply to the colour.
  Note: A DotGain Curve applied to a special colour has precedence over global Process or Special DotGain Curves assigned to a Pagesetup. The Pagesetup curves are ignored for the colour.
- Weight – Optionally assign an Ink Weight (in g/m^2) to the selected colour. This weight is used in the InkKeyViewer (SoftProof) and in Calculate Ink Weights (QueueManager).
- Spectrophotometer – Choose a supported Spectrophotometer to read colour values directly into the Special Colour Set.

Modules

Modules are informational windows used for managing jobs as they pass through the system and to monitor Server and Client activity. Modules are arranged and utilised in a pre-configured format in the Jobs application; are able to be added and configured to a tabbed window as part of a Monitor layout via the Layout menu; or started up individually as standalone windows from the Module menu.

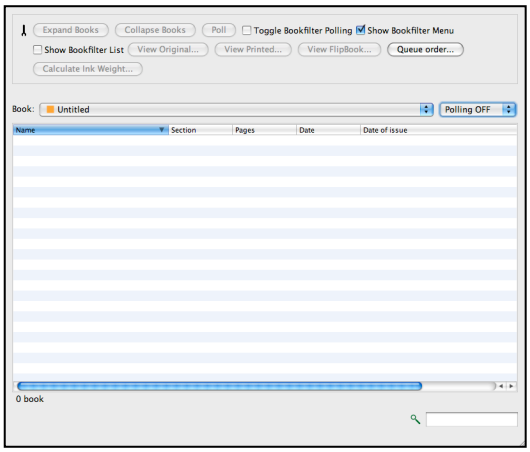
There are twelve (12) modules to choose from:

- BookMonitor – Similar to the RIPMonitor, this module displays a list of Books compiled via the Bookfilter.
- ClientLog – Displays a log of Client messages that may be generated during normal Client operations.
- ClusterStatus – Monitors the progress of Imaging and Rendering tasks on the Server and any active Cluster Nodes.
- DropZone – A place to drag and drop files for processing.
- MediaStatus – A window showing the current calibration status of a Media data type and a progress bar showing the amount of media (e.g. Paper) used.
- QueueManager – View and manage jobs after they have been submitted for processing.
- QueueStatus – A progress meter showing the current status of active jobs on the selected queue.
- RIPMonitor – Displays the files polled using RIPs configured under the RIP data type within the Workbench.
- ServerLog – Displays any system, error and polling messages from the Server.
- Status – Shows the disk status (usage) of the Server processing areas.
- Thumbnail – Displays a thumbnail of jobs as they image or render.
- VirtualPress – Available within the RIPMonitor module. Allows for the assignment, alteration and management of plates to polled RIP jobs.

BookMonitor

The BookMonitor module displays the publications polled from planning files using the BookFilter data type. The publications can be expanded to show a list of pages and filenames associated with each page.

The module allows for quick viewing of large multi-section or multi-edition publications, such as newspapers. When View Original, Rendered or FlipBook are selected for a publication in the BookMonitor, it searches the chosen queues in the QueueManager for filenames matching those in the page list and assembles them on-the-fly for proofing in the SoftProof or FlipBook applications. The Page Navigator in both applications (SoftProof & FlipBook) will show any pages missing from the publication (those that have not yet arrived from the RIP).



Toolbar Options

- Expand/Collapse Jobs – Expand or Collapse the selected publications to list individual pages. Double-clicking a publication in the display panel will also expand/collapse the page list.
- Poll – Poll the selected BookFilter for any planning files. Once polled, a list of the available planning file publications will be displayed.
- Toggle Bookfilter Polling – Enable / Disable
- Show BookFilter Menu – Enable / Disable a dropdown menu.
- Show Bookfilter List – Enable / Disable
- View Original – Opens the Imaged Preview of the selected publication in SoftProof.
- View Printed – Opens the Rendered Preview of the selected publication in SoftProof.
- View FlipBook – Opens the selected publication in FlipBook.
- Queue Order – Select this to choose the Output queue in the QueueManager the Bookfilter will search for matching Imaged or Rendered job pages.
- Calculate Ink Weight – Open the Ink Weights calculator window for the selected publication.

Note: Books (publications) can be opened in one of two ways. Selecting the Book title, then View Original/View Rendered will open the Book at the first available page. Expanding a Book, selecting a specific page, then View Original/View Rendered will open the Book at the chosen page.

View Options

The following sort columns can be selected using the contextual (right click) menu on the sort column header bar in the Display panel:

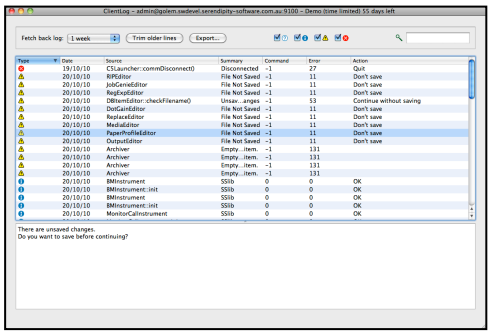
- Name – The name of the Publication / Page sourced from the planning file.
- Section – Lists the section part of a page as defined in the Bookfilter JobGenie (optional)
- Page – The page number of the page file as defined in the planning file.
- Date – Date / Timestamp of the planning file
- Date of Issue – The publication date of the publication/page as defined in the planning file.

The order of the columns can be changed by clicking and dragging them to the desired position, or by using the Configure Headers option under the contextual (right click) menu. The columns can be manually resized by dragging the header divider bar to the desired width, or resized to fit content by double-clicking the divider bar.

The contextual menu also has options to Edit BookFilter, change the Colour Scheme of the BookMonitor window, pick Font Options and choose the Language Encoding of the incoming poll data.

ClientLog

The ClientLog displays any messages that pop up during normal Client operation. There are different levels of message, from informative to serious errors. All messages are held for a user-determined length of time.



- Fetch back log – Displays the log for the time specified. For example, it retrieves and displays the last 4 hours of messages. Choose the time from the pull down list.
- Trim older lines – Trims the log based on the time selected in Fetch back log. If this is set to 60 minutes, the log file is trimmed back so only the last 60 minutes remain.
- Export – Export the log to a file.

Note: When you export the log file you can choose to export everything in view or select entries to export. Use the filtering options and Fetch back log choice to limit the view before exporting. Selecting export displays a chooser, allowing you to enter a name and select the location to save the file. You can choose to save the file as html or as a tab delimited text file.

Filtering Options

You can choose which messages to display in the log and which to hide by ticking checkboxes for one or more of the following filters. All messages are saved to the log, even if filtered.

- Question – Used for messages that ask questions, for e.g., "Job contains unassigned colours. Do you want to add them to VirtualPress."
- Information – Used for messages that tell you something, for e.g., "Job has a duplicate plate."
- Warning – Used where the message has a higher importance and (usually) the Client failed to do something, but operation can continue, for e.g., "Failed to save new password. Old password will continue to be used."
- Critical – Used for serious errors that will most likely affect operation, for e.g., "Failed to load rendering .dll." You will normally be required to take action to rectify these errors before continuing.
- Search – You can search the log for jobs or messages. Enter the text of characters you want to search for and the ClientLog only displays the lines that match the search.

Display Options

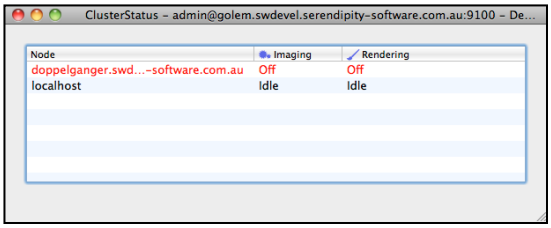
The following sort columns can be selected using the contextual (right click) menu on the sort column header bar in the log:

- Type – The level of the message reported. For e.g., Question; Information; Warning or Critical.
- Date – The time the message was reported.
- Source – The module or application that reported the message.
- Summary – A summary of the message that was reported.
- Command – Internal command used to communicate messages to and from the Server by the Client.
- Error – An error code reported by the Server. This is useful for de-bugging problems.
- Action – The action taken by the user relating to the message. For e.g., the button pressed when the message popped up.

The order of the columns can be changed by clicking and dragging them to the desired position, or by using the Configure Headers option under the contextual (right click) menu.

ClusterStatus

The ClusterStatus is a monitor allowing you to see the current Imaging and Rendering status of jobs on any active Master Servers or Cluster Nodes:



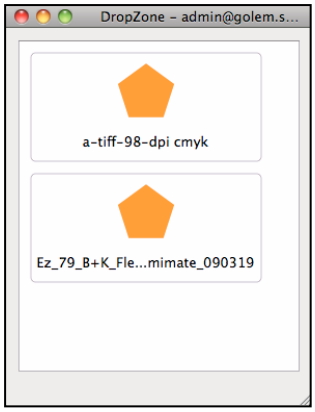
- Clustering – Open the Clustering application to manage the Cluster.
- Refresh – Update the status.
- Increase Inset (+) – Increases the gap between the list items.
- Decrease Inset (-) – Decreases the gap between the list items.
- Font Options – Change the size of the text.

DropZone

A DropZone is a place where you can drag and drop files for processing. The user selects Pagesetups or Pagesetup Pools to add to the DropZone as a DropSpot. These DropSpots accept the same file formats as the DropFolder (Postscript, PDF, JPEG, TIFF Image, Serendipity Blackmagic Image, EPS, PNG, PSD).

The available contextual menu options are:

- Add DropSpot – Select one or more Pagesetups/Media to add to the DropZone. Selecting this displays a chooser window, showing all available Pagesetups/Media.
- Reorder DropSpots – Displays a reorder window. Select one or more DropSpots in the list and drag them to a new location, or use the up and down arrow keys to move the position. Click OK when finished.
- Increase DropSpot Inset (+) – Increases the size of the DropSpot.
- Decrease DropSpot Inset (-) – Decreases the size of the DropSpot.
- Font Options – Change the size of the text.



Additional contextual menu options are available for individual DropSpots:

- Remove DropSpot – Remove the selected DropSpot.
- Edit Pagesetup – Edit a section of the selected Pagesetup, all sections or create a new one.
- Edit Media – Edit a section of the selected Media, all sections or create a new one.
- Change DropSpot – Change an existing DropSpot.
- Set Copies – Set the number of copies for every job dropped on the zone.
- Set Colour – Select a colour from the list for the currently selected DropSpot.

MediaStatus

The MediaStatus module's function is to show how much of the media (e.g. Paper) has been used.

A meter is displayed graphically, detailing the percentage used. For the Usage meter to function, values for the Media Length or the number of sheets loaded must be entered in the Output section of the Media data type.

Each Media displayed in the MediaStatus window has the following information:

- Media Name
- Usage Meter – Bar showing the amount of media used. Text under the bar states the exact amount used as a percentage of the total units.
- Reset Counter – Resets the usage count for the Media.
- Logged Period – Time period (date and time, from and to) the Media has been tracked since the last reset. This information is shown/hidden using the Show Extended Info option.
- Printed – Number of jobs and total printed area of jobs tracked since the last reset.

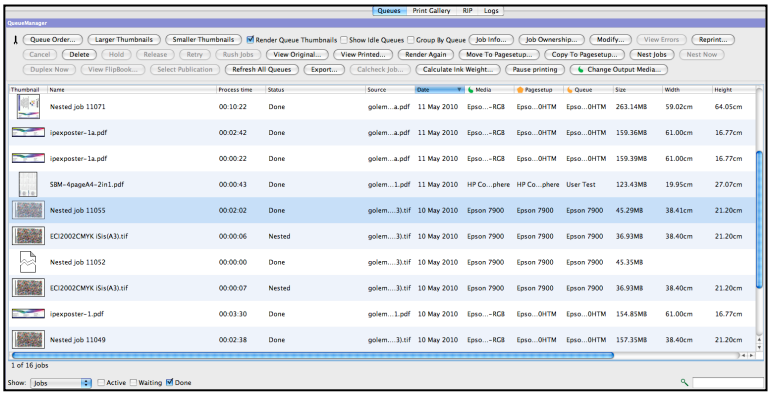
A contextual (right click) menu has the following options:

- Change Media – Change the selected Media for display in the status window.
- Edit Media – Edit all or part of the selected Media. Copy it, or create a new one.
- Media Order – Configure which queues are viewed by the MediaStatus window. Move Media between the Available and Showing columns in the popup chooser.
- Show Extended Info – Show/Hide the Logged Period and Printed information for the selected Media.
- Metric Units – Toggle between Metric or Imperial units for measurements shown in the MediaStatus window. This is enabled by default.
- Increase /Decrease Status Width – Increase or Decrease the width or all Media panels in the window.
- Font Options – Change the size of the text in the window.

QueueManager

The QueueManager displays information about submitted jobs and the jobs' current status. Queues can be viewed simultaneously, showing job progress through Imaging (where the incoming file is interpreted and its resolution sampled for conversion to the print resolution); Rendering (where colour management, cropping, rotation and effects are applied for printing); and Printing.

The QueueManager also allows jobs to be manipulated in a number of ways, such as holding, promoting, deleting and re-rendering.



View Options

There is a lot of information available for viewing about each job as it passes through the system.

The following sort columns can be selected using the contextual (right click) menu on the column header bar in the QueueManager display panel:

- Name – Job name.
- Process Time – Time taken to process the job.
- Status – The jobs current status.
- Source – The source of the submitted job.
- Date – The date and time the job was processed.
- Media – The Media used to process the job.
- Pagesetup – The Pagesetup used to process the job.
- Queue – The output queue the job was sent to for processing.
- Size – The size of the job (disk space used).
- Width – The width of the job
- Height – The height of the job.
- DPI – The imaged resolution of the job.
- Output Colourspace – The colourspace of the output file.
- Copies – When multiple copies of a job are sent for printing, this column counts down the number of jobs left to print.
- Screening – The screening applied to the job.
- Thumbnail – Shows a thumbnail of the job.
- Job ID – The internal Veripress ID number for the job.
- Node – The Server or Cluster Node the job was processed on.
- Signature Group – The signature group used to de-impose the job.
- Signature – The signature within the group used to de-impose the job.
- Page – The page number of the job.
- Publication – The publication name.
- Notes – The number of notes saved with the job.
- Section – The section of the publication.

The columns can be manually resized by dragging the header divider bar to the desired width, or resized to fit content by double-clicking the divider bar.

Toolbar Options

- Queue Order – Configure which queues are viewed by the QueueManager – Available & Showing.
- Render Queue Thumbnails – Enable or disable thumbnails for the Render Queue in the Thumbnails view of the QueueManager.
- Show Idle Queues – Show/Hide entries in the QueueManager for idle processing queues.
- Group by Queue – Enable/Disable the grouping of jobs by Queue before other column sorting is applied.
- Show – Show certain jobs in the QueueManager. Select any or all of the options to filter jobs. Choose from:
    - Jobs – Display all jobs as text line entries.
    - Thumbnails – Display all jobs as thumbnails. This is the same as the Print Gallery mode.
    - Publications – Only display jobs belonging to a publication.
      For any of the above display modes, further filtering is available:
        - Active – Jobs currently processing.
        - Waiting – Jobs with a status of Waiting.
        - Done – Completed jobs.
- Search – Find jobs that are in the queue. All jobs matching the search text will be displayed. All elements of the jobs are searched against, not just the name, so this can be a useful filtering tool. The search can be inverted with cmd+shift+I (Mac) or ctrl+shift+I (Win). The search box will turn black to indicate when the inverse search is selected.

There are a number of actions that can be performed on a job. Options become available when one or more jobs are selected. Only actions valid for the job status are shown. For example, the action to Nest Now is only available if the job has a status of Waiting to Nest.

The following are available in the Toolbar or by selecting job(s) and right clicking to access the context menu:

- Job Info – Shows information about the currently selected job. The Job Info contains all details of how the job was processed and displays a thumbnail preview of the job and its configuration. Right clicking on the window and selecting Print can print the Job Info to a system printer.

Note: Job Info & thumbnail can also be displayed by double clicking on the job. If multiple jobs are selected, double clicking will display info about all in the window. Holding the control key (Win) or command key (Mac) will allow the font size to be adjusted via the mouse wheel for easier viewing.

- Job Ownership – Displays two panels – General and Ownership – showing the type, created and modified dates of the job plus the user and group permissions (See Accounts Admin/Secure Mode for more information).
- Modify – Allows various attributes of the job to be modified. These include:
    - Name – Change the name of the job.
    - Publication Name – Change or add a publication name.
    - Page Number – Change the page number of the job.
    - Copies – Change the number of copies of a job.
    - Change Media – Change or assign a Media associated with the job.
    - De-Imposition – Change or assign a Signature and Signature Group to a job.
- Reprint – Displays a window to reprint a job or jobs.
- Cancel – Cancels the currently processing jobs.
- Delete – Deletes the currently selected jobs.
- Hold – Holds the currently selected job. Only available when the status is "Waiting".
- Release – Releases a currently selected Held job.
- Retry – Retries a failed job.
- View Errors – Views the errors of the selected job if the status is listed as Failed.
- Rush Jobs – Moves the currently selected jobs to the top of the current queue for processing next. The status must be listed as Waiting. Jobs currently being processed will be completed first.

Note: Rush Jobs will move the job up the current queue only. If the job is in the imaging queue and Rush Jobs is selected, the job moves to the top of the imaging queue. Once complete, it will move to the bottom of the rendering queue. You will need to Rush Jobs again to move it to the top of the rendering queue.

- View Original – Views the Original/Imaged file for selected jobs in the SoftProof application.
- View Printed – Views the Printed/Rendered file for selected jobs in the SoftProof application.
- Render Again – Submits the selected jobs to the rendering queue for processing. Only available when the status is "Done".
- Move to Pagesetup – Moves the selected jobs to another Pagesetup. This will send the jobs to the rendering queue again with the attributes of the selected Pagesetup. View the Pagesetup, edit it, or create a new one prior to submitting the job.
- Copy to Pagesetup – Copies the selected jobs to another Pagesetup. This will send the jobs to the rendering queue again with the attributes of the selected Pagesetup. View the Pagesetup, edit it, or create a new one prior to submitting the job.
- Nest Jobs – Submits the selected jobs to be nested. This sends the job to the rendering queue to re-render for a nest. The Collating section of the Output is used for the nesting parameters.
- Nest Now – This is available when the selected job has a status of Waiting to Nest. Only one job needs to be selected and all jobs with a Waiting to Nest status will be nested.
- Duplex Now – Duplexes any job that has a status of Waiting to Duplex. Only one job needs to be selected and all jobs with a Waiting to Duplex status will be duplexed.
- View FlipBook – Opens the selected job or publication in FlipBook. If the selected job is part of a publication, all pages will be shown.
- Select Publication – Selects all the pages/jobs in the QueueManager belonging to the same Publication as the selected job.
- Refresh All Queues – Updates the queues.
- Export – Export data from the selected job. The available formats are:
    - CIP3 – Exports job information to a file in CIP3 format at the selected resolution. You can also select the orientation before exporting. Further options are:
        - Version 2.1

        - Version 3.0
        - Rotations
        - Surface – Choose front or back.
        - Compress Preview – Choose if the preview should be compressed. Some presses are unable to handle files in compressed format.
    - PDF – Exports the selected job in PDF at the resolution entered. Further options are:
        - Compressions – JPEG, ZIP or LZW. For JPEG and ZIP you also have control on the level and quality of compression.
    - Postscript (separated) – Exports the current job as a separated PS file.
    - Tiff Multichannel – Exports the current file as a multichannel Tiff.
- Calcheck Job – Launches the Calcheck application to check a job's calibration status. The jobname is stored and the results can be exported or printed. Measurement results from the Calcheck are stored in the Job Info.
- Calculate Ink Weight – Displays the Ink Weights window with the selected job's ink weights and coverage shown.
- Pause/Resume Printing/Processing – Pause or Resume the output queue of the selected job at their current stage of processing or printing (Imaging, Rendering, Nesting or Printing). Incomplete jobs in paused queues will display in red.
- Change Output Media – Change the Media assigned to the output queue for the selected job. Once re-assigned, all jobs held awaiting the new Media will begin processing.
- Auto Queue Order – When enabled, any new queues will be automatically shown in the QueueManager.

Configuration Options

The following options are available from the right click (contextual) menu within the QueueManager window:

- Queue Colour – Select a colour for the currently selected Queue for easy identification.
- Queue Order – Organise the queues into your preferred order, or adjust any settings.
- Joblist View – View the queue in Joblist mode. This is the same as selecting Show > Jobs.
- Publication View – View any publications in the queue. This is the same as selecting Show > Publications.
- PrintGallery View – View the jobs as thumbnails. This is the same as selecting Show > Thumbnails.
- Edit Output – Edit the Output and not the job. For changes to be effective, resubmit the job for printing or rendering, depending on the attribute changed.
- Edit Media – Edit the Media the job was processed with. For changes to be effective, resubmit the job for imaging or rendering, depending on the attribute changed.
- Edit Pagesetup – Edit the Pagesetup the job was processed with. For changes to be effective, resubmit the job for imaging or rendering, depending on the attribute changed.
- Edit RIP – Edit the RIP of the source file (where the job was submitted from if a configured RIP). For changes to be effective, resubmit the job or refresh polling.
- Edit Signature Group – Edit the Signature Group used for de-imposing of the currently selected job. For changes to be effective, resubmit the job for de-imposition.

Important Note: When editing any of the items from here, you are editing the queue for all future jobs, not just the currently selected job.

QueueStatus

The QueueStatus module is a progress meter that shows the current status of active jobs on the selected queue. The look and feel can be adjusted for the QueueStatus module and the queue it is monitoring. The options are available by right clicking on the window.

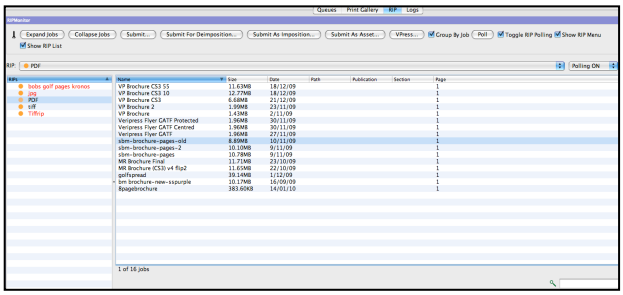
Note: Not all options listed are available on all QueueStatus windows. Some are only available while the job is in progress.

- Cancel Job – Cancels the currently active job and is only available when a job is active.
- Job Info – Displays info about the currently active job.
- Pause Printing/Processing – Pauses the queue so no further jobs will process. Any job currently active in the queue will finish. The text in the window changes to red, showing it to be in a paused state.
- Resume Printing/Processing – Takes a queue out of a paused state so any waiting jobs can be processed.
  Note: The Pause/Resume function can be toggled using the tick box to the left of the progress bar. This function also affects the Output for the queue, changing the status to Active/Inactive. Inactive Output's are displayed in red in the Workbench > Output > Items list.
- Change Queue – Choose which queue the status window will show.
- Edit Output – Edit the output or create a new one. You can only edit if the queue is showing an output. If the queue is set to Spooling, Auto Detect, Imaging or Rendering you can only make a new output.
- Thumbnail – Turns on/off a mini thumbnail on the printer queues only, which gives an indication as to how much of the current job has printed.
- Font Options – Change the size of the text.
- Queue Order – Select which queues to view. Selecting this presents a chooser window showing two lists – The Available queues on the left and the Showing queues on the right. To move queues between lists, select one or more and drag from one list to another. Alternatively, double click to move between lists. The order of the queues in the Showing list determines the order of display. Queue Order can be used to show multiple Queues in a single QueueStatus window.
- Increase/Decrease Indent – Increases or decreases the size of the QueueStatus in view.

Double clicking the QueueStatus window displays a floating QueueManager window showing that queue. This has the full functionality of the standard QueueManager.

RIPMonitor

The RIPMonitor displays the RIPs that have been configured under the RIP section of the Workbench. Jobs that have been successfully polled are displayed and can be expanded to show any associated plates. These jobs can then be submitted to a Pagesetup/Media for processing.



View

- Toolbar – Contains job handling functions and viewing options.
- Jobs – This is the large window to the right and displays all successfully polled jobs from the selected RIP.
- RIP List – A list of all the configured RIPs, allowing the user to select each in turn to display any jobs. This is on the left side of the window and can be shown or hidden as desired. Active RIP queues are displayed in black; inactive are red.
- RIP Menu – This is a pull down list at the top of the window of RIPs configured and shows the current selection. Hiding the RIP Menu will also hide the Polling On/Off drop down selector.

Note: If you only have one RIP configured it is better to hide the left RIP list and top RIP menu as there is nothing else to display. This will provide more room to view your jobs.

Toolbar

- Expand/Collapse Jobs – Show/Hide the plates associated with the selected jobs. Double clicking a job will also expand or collapse the plate view for the selected job.
- Submit – Submits the selected jobs for processing. This pops up a chooser to select which Pagesetups and Medias to send the job to.
- Submit for De-Imposition – Submits the jobs for de-imposition. This pops up a choose to select which Signature Group will be used to de-impose the job and which Pagesetup/Media combination will be used.
- Submit As Imposition – Submits the job in it's original form, but attaches a Signature Group via a popup chooser to allow the job to be deimposed on-the-fly using the De-Imposed Pages button in the Veripress SoftProof Touch Console (See the "Touch Console" section for more information).
- VPress – Adds the selected jobs to the VirtualPress. For further information see the "VirtualPress" section.

Note: The text in the Submit, Submit for De-Imposition, Submit as Imposition and VPress buttons will show in italics if the job selected has unrecognised or unassigned plates. The plates will need to be assigned using VirtualPress.

- Group By Job – Keeps the plates in their respective job group when they are copied into the VirtualPress (see below note).

Important Note: If you have multiple jobs selected for copying into VirtualPress, when this option is ticked they are kept as their respective jobs. If this is un-ticked, all the jobs and plates selected are copied in as one job. This is useful if you are polling a RIP and the plates are shown as separate jobs, with one plate each.

- Poll – Initiates a manual poll of the selected RIP.
- Toggle RIP Polling – Turns the polling on or off for the selected RIP. When the RIP is in the off state, the name in the RIP list turns red.

Note: The RIP jobs list is cached and may require clearing. To do this, turn the RIP off and on again and click on the Poll button three (3) times consecutively.

- Show RIP Menu – Shows or hides the RIP pull down list at the top of the window.
- Show RIP List – Shows or hides the RIP list on the left.

Context Menu Options

The following are available via the contextual menu (right click) from within the job Display panel:

- Edit RIP – This enables the user to edit the RIP selected. Choose to edit a single section or all sections of the configuration. Alternatively, you can create a new RIP.
- Colour Scheme – Choose a colour for the module.
- Font Options – Choose the preferred font size.
- Language Encoding – Choose the language encoding for the operating system. This allows jobs to display correctly in the RIPMonitor in the native language.

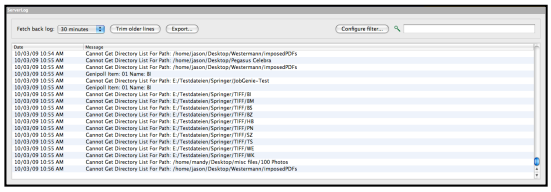
Display Panel View Options

The display panel columns can be configured to show specific information by right-clicking on the header titlebar. The following are available for display:

- Name – Job Name (and plate names if expanded).
- Size – The size of the job (disk space used).
- Date – The data and time the newest plate belonging to the job was RIPped.
- Path – The directory path to the RIPped file for an assigned job plate. This information is visible when the polled job is expanded.
- Publication – The publication name.
- Section – The section of the publication.
- Page – The page number of the job.

ServerLog

The ServerLog shows messages from the Server.



- Fetch back log – Displays the log for the time specified. For e.g., it retrieves and displays the last 4 hours of messages. Choose the time period from the pull down list.
- Trim older lines – Trims the log based on the time selected in Fetch back log. If this is set to 60 minutes, the log file is trimmed back so only the last 60 minutes remain.
- Export – Export the log to a file. Selecting this displays a window with further options as detailed below:
    - Destination File – Choose the filename and location where the file is to be saved. Use the Browse button to navigate to your preferred location.
    - Message Lines – Choose to save all messages in the log window or only those that are highlighted. This way you can save just a few lines if desired.
    - Format – Choose the format to save the file in, either html or plain text. The plain text file is saved with tab characters between the columns.
    - Cancel – Revert to the Server window without saving any changes.
    - Save – Save the file based on the settings selected.
- Configure Filter – You can filter messages in the log. Choose between the following options:
    - Completed Jobs – Shows messages about completed jobs.
    - Polled Jobs – Shows messages about polled jobs.
    - Errors – Shows errors from the Server.
- Search – You can search the log for messages. Enter the text of characters you want to search for and the ServerLog will only display the lines matching the search.

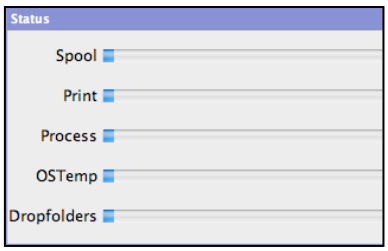
Display Options

- Module – This is the function that the Server used.
- Routine – This is the operation inside the function.
- Date – The time the Server called the module.
- Message – The message resulting from the routine.

Status

Status shows the current disk status (usage) of the Server processing areas, such as spooling, temporary directories and DropFolders. Editing the ***ss.conf*** file in the installation directory under the "*etc*" folder can change disk locations.

The available options are:



- Update – Checks the disks and updates the view.
- Preferences – Sets the Status window preferences. A further option available is:
  - Update Interval – Sets the time between updates.
- Colour Scheme – Changes the colour of the Status window.
- Font options – Change the size of the text.

Thumbnail

This module displays a thumbnail of jobs as they are imaging and rendering. Thumbnail progress is updated at the same time as the Imaging or Rendering QueueStatus is updated.

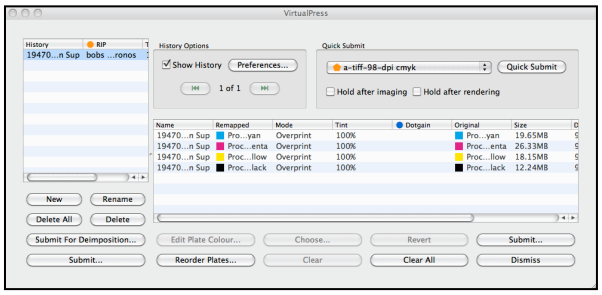
The following options are available from the contextual menu (right click):

- Show Imaging – Show the Imaging thumbnail, denoted by "gears" in each inset.
- Show Rendering – Show the Rendering thumbnail, denoted by a "paintbrush" in each inset.
- Normal Thumbnail – Displays the default size thumbnail.
- Large Thumbnail – Displays a large thumbnail.
- Small Thumbnail – Displays a small thumbnail.

Each active Thumbnail module may only show either Imaging or Rendering, not both. The module window displays as many Thumbnail insets as there are simultaneous Imaging/Rendering tasks configured in the Server Settings.

VirtualPress

VirtualPress gives users the ability to manage the plates of the job. You can drop plates, change plate colours and merge plates from other jobs. If a job contains an un-allocated plate (i.e., no colour), use VirtualPress to allocate a colour, unless a Replace Colour Set is selected containing the plate.



- The **History** keeps jobs that have been imported into VirtualPress. Any changes or additions are kept so the jobs can be resubmitted at any time without having to recreate the changes. The history is held while the Client is running. Once the Client has quit, any history is purged. A 'Submit' button to the bottom left of the Virtual Press allows multiple VPress History items to be selected and printed simultaneously.
- **Quick Submit** shows a pull down list of the configured Pagesetups. Clicking this button submits the selected job to the Pagesetup shown. The option to Hold After Imaging or Rendering is also available.
- **Edit Plate Colour** displays a colour editor, allowing you to change the colour attributes for this plate only. The edit is not stored anywhere and does not affect the Special Colour Set. This option is also available when right clicking on a plate.
- **Choose** allows you to select a colour from the colour libraries. This is only available for special plates. You can also double click the plate in the list to choose a colour from the libraries.
- **Reorder Plates** allows you to change the order of the process plates. Plate position is used for Overprint, Knockout, Opacity and Transparency simulation. The order of the list dictates the order the plates are merged and can affect the job where plates have attributes such as Opacity. The button will appear in italics when the order has been changed from the original.

Applications

The applications available within Veripress add functionality to the Client and provide additional tools for managing the Server and your jobs.

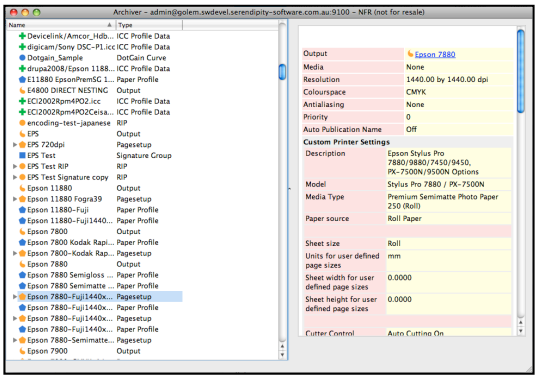
There are twelve (12) Applications available, including the Workbench and Monitor. All are accessible via the Applications menu in the Client. Some can be launched via other Applications or Monitor Modules.

The available Applications are listed here with further details on each following:

- Archives – Make partial or complete backups of your Workbench configurations.
- Clustering – Allocate and manage Imaging and Rendering tasks across multiple computers and networks.
- Densitometer – Measure and display density readings taken with a Densitometer or Spectrophotometer.
- Displays – Create ICC profiles for system monitors for accurate onscreen colour softproofing.
- FlipBook – Display a publication as a 2D or 3D virtual book.
- Jobs – Display jobs before, after and during processing and allows users to manage jobs through the system to plot their progress with a pre-configured user-interface.
- Monitor – Display and manage jobs as they pass through Veripress (see the "Monitor" section for more information).
- Press Agent – Interface with press console controls to load/reload softproofs.
- SoftProof – Proof jobs onscreen.
- Spectro – Display, compare and/or save colours measured using a Spectrophotometer.
- Touch Console – Use a touch screen to load, manage and proof jobs within the SoftProof application.
- Workbench – The principal configuration tool for Veripress (see the "Workbench" section for more information).

Archives

The Archives Application allows you to make backups or archives of your Workbench configurations. Individual items or complete systems can be archived for safekeeping. Stored items can be loaded into the Archives Application for adding to the Veripress database. This can be used for copying a database to another Server, or for recovery from failure or corrupt configurations. You can configure the Archives Application to automatically backup your settings on a regular basis.



Important Note: Archives cannot be back-ported to previous versions, i.e., version 5 archives cannot be used with version 3. Version 3 archives can be used with Version 5 however, and will be automatically allocated to their respective databases when loaded.

File Menu Options

- Open Archive – Open a previously saved archive. Browse and select an archive (.sdb file) to load. You can also load an archive by dragging the database into an open Archives Application.
- Save Archive – Saves the archive to a (.sdb) file.
- Close Archive – Closes the currently opened Archive.
- Perform Full Backup – Adds all Workbench data types to a new Archives Application window. Once done, you are prompted to choose a name and location to save the file. Once saved, the Archives Application window is dismissed automatically.
- Automatic Backup Preferences – Configure the frequency, time and location that a system backup is performed. The options are:
    - What Day – Choose a day of the week, every day, every number of days or never.
    - What Time – Choose the time the backup is performed.
    - Location – Choose the location the archive should be saved to.

A check is performed when the Client is first started and every hour afterwards to see if a backup should be performed. The Client must be running for a backup to take place. The table below gives you a guide as to when a backup would occur in different scenarios.

Auto Backup Time	Client Started	Client Quit	Time Backup Performed
Monday 2am	Monday 9am	No	When Client is started – 9am
Tuesday 12:10pm	Tuesday 9:30am	No	Tuesday 12:30pm
Everyday 12am Midnight	Tuesday 8:20am	No	When Client is started – 12:20am each day
Wednesday 11pm	Thursday 8:30am	No	The following Wed at 11:30pm
Sunday 10pm	Monday 8am	Friday 5pm	Never

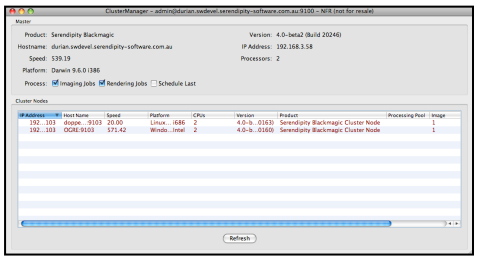
Edit Menu (and Context Menu) Options

- Add to Archive (All) – Select everything or all of a particular data type, for e.g., All Pagesetups.
- Add to Archive (Selection) – Select individual items from the database to add to the Archive. Selecting the type, for e.g., Gradation Curves, displays a chooser with all the Gradation Curves allowing you to choose one or more to add to the Archive.
- Add to Database – Choose to add items from the Archive to the database. You can add the whole Archive or selected items.
- Remove from Archive – Remove the selected items from the Archive.
- Collapse – Collapses the selected items if they are expanded.
- Expand – Expands selected items if the item contains references (denoted by a '+'). For example, a Pagesetup will contain at least a Media, an output and ICC Profiles. Expanding the Pagesetup will display the other items connected with it.
- Open/Save/Close Archive – Open, save or Close the Archive as mentioned previously.

Clustering

Clustering is the ability to share the workload of processing jobs across multiple devices. Slaves or cluster nodes can be installed on other machines on the network and jobs can be sent to them from the Master for processing.

The Clustering application allows you to add and manage these cluster nodes. They can be enabled for use in imaging, rendering or both.



As a node device starts up, its speed is calculated. When a job is submitted for processing, the Master machine has priority as no network traffic is required. If the Master is busy processing another job, the job can be sent to the fastest available node. The node processes the job and once completed, sends it back to the Master. It is then ready to accept another job. Nodes can be installed on any machine on the network.

Running a Cluster Node requires a separate Veripress dongle. If you have extra Veripress dongles, any Server can act as a node if it is started as a Cluster Node (see "The Veripress Server" section for more information).

Note: In this mode, the Server can only be used as a Node (slave) for another Server. It is recommended that the database be backed-up and job queues cleared before a Veripress Server is started as a Cluster Node. This avoids any conflicts with existing job IDs or settings.

Master Panel

This panel displays information about the Master Server machine.

- Product – The Veripress software in use.
- Version – The Server software version.
- Hostname – The network name of the Master Server.
- IP Address – The network IP address of the Server.
- Speed – The relative speed of the Server, calculated by Veripress.
- Processors – The number of CPUs in the Server machine.
- Platform – The operating system/kernel version of the software.
- Process Imaging/Rendering/Schedule Last – Check whether the Master Server is to perform any Imaging or Rendering Jobs. The Schedule Last option allows nodes to have priority over the Master when jobs are processing. This is advantageous when polling large RIPs, as it allows the Master to concentrate on gathering the list of jobs and displaying them.

Cluster Nodes

This list shows nodes that are available and running on the network. Information about each node is displayed in the window. Online nodes are displayed in green; offline nodes in red.

The following sort columns can be selected using the contextual (right click) menu on the column header bar in the Cluster Node panel. Columns can be reordered by dragging and dropping them into the desired order, or by using the Configure Headers option in the contextual menu.

The sort options are:

- IP address – The network IP address of the Node. Checkboxes become available to enable the node and select if it is to be used for Imaging and/or Rendering tasks. Once enabled, the Master handles the clustering in the most efficient manner possible.
- Hostname – The network name of the Node.
- Speed – The relative speed of the Node calculated by Veripress.
- Platform – The operating system/kernel version of the Node machine.
- CPUs – The number of CPUs in the Server machine.
- Product – The Veripress software being used for the Node.
- Version – The Server software version of the Node.
- Processing Pool – Optionally choose a Pagesetup Pool (see the Workbench – Pagesetup Pool section) for which the Node will perform image and render tasks.
- Image – Shows the number of simultaneous Imaging tasks that can be performed by the Node. Click on the field to change the number.

- Render – Shows the number of simultaneous Rendering tasks that can be performed by the Node. Click on the field to change the number (see the Server Settings for details on Imaging and Rendering task settings).

Refresh – The Refresh button polls the network for active Nodes and registers any Nodes in the list that are offline.

Cluster Node activity can be monitored in the ClusterStatus module (see the Monitor Modules – ClusterStatus section for more information).

Menu Options

The following options are available from a contextual (right click) menu within the Cluster Node panel:

- Add Node – Add a Cluster Node that cannot be seen. Sometimes Nodes on subnets cannot be detected. Enter the hostname or IP address of the Node and add it to the list manually. The Node to be added must be running.
- Add Processing Pool – Select, change or remove the current Pagesetup Pool for which the Node performs Image and Render tasks.
- Remove All Offline Slaves (Nodes) – Remove a Node from the list that has gone offline.
- Remove Node – Available for offline Nodes only. This option removes the selected Node from the list.

Densitometer

The Densitometer application allows you to measure and display density readings with a supported Spectrophotometer. When measuring a patch, the densities of all four process CMYK colours making up the patch are read.

The Last Measured panel in the top half of the application window shows the density and dot percentage values for the dominant process colour of the measured patch, with the values of the other three colours to the right. The values can be recorded and saved to a file if desired.

Note: The Densitometer application is a utility allowing you to use a Densitometer or Spectrophotometer that does not have a display to read values. This can be as a one-off reading to compare densities, or you may want to read values and export them for plotting on a graph. There is no requirement to use this for the normal operation of Veripress.

Densitometer/Measurement/Paper Options

- Yule Nielsen Number – Enter the YN number for the paper you are reading (if known). The default is 2.0.
- Densitometer – Choose one of the supported instruments from the available list.
- Instrument Default Density Standard – Select your desired density standard from the available list.
- Activate/Deactivate – Connect or disconnect the chosen device.
- Add – Add the measured values to the list. This appears after the Densitometer has successfully connected.

To being measuring:

1. Select a Densitometer from the dropdown list and click the Activate button.
2. The status field is shown when the device connects without error.
3. Follow any instructions when prompted – Calibrate, Measure Cyan Solid, etc.

Measure Targets

In order to read percentage tint values of any plate, you must first read the paper white and the solid density value for that colour. The Measure Targets menu or contextual (right click) menu allows for measuring the solid reference densities for the process colours and the paper white. With these values stored, colour percentages can be calculated and displayed. Measure or update an individual Solid density or Measure All Targets.

Colour List

This is a list of readings taken if the Add is enabled. Each reading is appended to the list and the values measured are displayed. The columns can be resized or reordered as required by dragging the header to the preferred position.

The columns are:

- Name – The name of the colour read. Defaults to "*Untitled*" but can be changed by selecting the name and entering a new one.
- Colour – Shows the dominant colour read, i.e., the one with the highest density value. This may not be the colour you perceive it to be, but the contents making up the colour are recorded and the colour is calculated and shown.
- Density – The density value for the colour. This is the highest density read from C, M, Y and K. It shows the density of the colour stated in the Colour column.
- Cd/Md/Yd/Kd – The C, M, Y and K densities of the colour read.
- Dot% – The dot percentage of the colour shown in the Colour column.
- C%/M%/Y%/K% – The C, M, Y and K percentage values for the colour measured. If any of the % columns are blank, the reference paper white or solid density for that colour has not been measured.

Export

You can export the values from the Colour List to a file. The available options are:

- All – Saves all entries in the list.
- Selected – Save the selected entries in the list only.

Selecting either of these options displays a window allowing you to choose the values to be saved. The choices are:

- Name – Save the name of the colour.
- Colour Density – The highest density reading regardless of colour.
- Cyan/Magenta/Yellow/Black Density – The density reading of the chosen colour. For e.g., if Cyan is selected, the Cyan density for each reading is taken. This is the value displayed in the Cd column of the list.
- Colour Percentage – The percentage reading of the highest density read as displayed in the Dot% column.
- Cyan/Magenta/Yellow/Black Percentage – The percentage reading of the chosen colour. For e.g., if Cyan is selected, the percentage of Cyan for each reading is taken. This is the value displayed in the C% column of the list.

The percentage values must be present for the values to be exported. If they are not, the exported file will show a 1% value in place of the reading.

- Order Values – Choose whether to export the file in CMYK or KCMY order.
- Separate Values With – Choose to separate the values with either a tab character or a space.
- Cancel – Cancels the Export action.
- Export – Displays a file chooser allowing you to enter a name and select a location to save the file to.

Table 1 – Supported Density Standards

Instrument	Density Standard - Status				
	A	**E**	**I**	**T**	**Default**
DTP41	✓	✓	✓	✓	✓
DTP34	×	×	×	×	✓
DTP22	✓	✓	✓	✓	✓
DTP20	✓	✓	✓	✓	✓
Spectrolino	✓	×	×	✓	✓
EyeOne	✓	×	×	✓	✓

Not all instruments support all density standards.
This table is not a complete list. Consult your instrument user guide for more information.

Displays

The Displays application uses a supported Spectrophotometer to calibrate and create an ICC profile for a selected monitor or light booth. Suitable graphics monitors can be calibrated to match a chosen print gamut, allowing colour accurate softproofing of print material and can be verified at any time to ensure correct colour output.

Creation of a profile is very simple, requiring a supported instrument and a few minutes of time. The Spectrophotometer is placed on the screen to be calibrated. A series of adjustments are made to the screen gamma, white point and brightness (if available). Measurements are taken, from which an ICC profile is created and saved in Veripress and the operating system as the native display ICC profile.

Note: The Displays application creates a profile for use with the Match ICC profile assigned to the monitor in Server Settings. Ensure the correct match profile is set before creating the monitor profile (see the Server Settings – Colour Management section for details).

The Displays interface comprises of a function list (left) and a multi-purpose display area (right) that will change depending on the function selected.

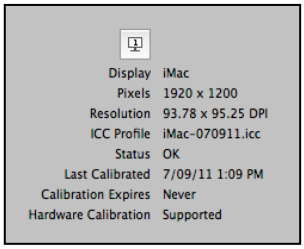
The function list is made up of the following selectable items:

- Calibration – Lists each connected display available for calibration.
- Calcheck – Lists each connected display available to calcheck.
- History – Lists the calcheck history (reference only) of each connected display.
- Ambient – Measure the ambient and white point of the light source.
- Light Booth – Appears only when a light booth is connected and will list each connected device.

Calibration

The Calibration function displays currently connected monitors and their calibration status.

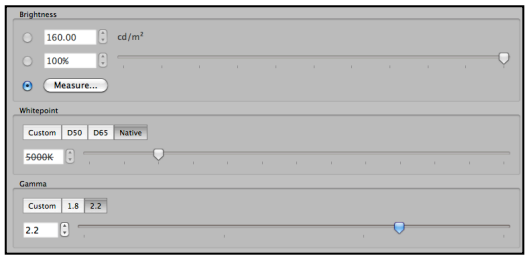
By clicking on the Calibration header, each connected monitor shows the following details:



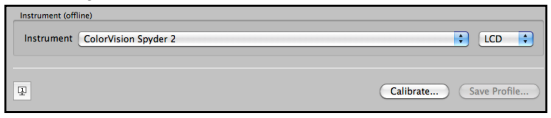
- The name of the Display and its identification number (in a multi-display environment).
- Pixels (width/height).
- Resolution (DPI).
- ICC profile.
- Calcheck Status.
- Last Calibrated (time).
- Calibration Expires (time period).
- Hardware Calibration (supported or not for the particular display).

By clicking on the Display name, calibration options and settings available for the monitor are shown. These include:

- Brightness – Only available if hardware calibration is supported and selected for the monitor (see below). Choose to set the brightness level in either:
  - Candela – Brightness in cd/m²
  - Set the level from 0-100%
  - Measure – Click to use a connected Spectrophotometer to measure and display the brightness (cd/m²) and white point (K) of the monitor. Follow any onscreen instructions for the selected instrument. The reading is constantly updated, allowing the user to manually adjust the brightness using the monitor's own controls. This option is only available if the Use Software Calibration option is selected or is the only mode available (see below).



- White Point – Select the white point temperature for the monitor. Choose from:
  - Custom – Type in the field provided or use the slider to enter a custom temperature in Kelvin (K).
  - D50 – Sets the white point to D50 (5003 K/Horizon Light).
  - D65 – Sets the white point to D65 (6504 K/Noon Light).
  - Native – Sets the Displays application to use the monitors native white point.
- Gamma – Select the gamma correction to be used for the monitor.
  - Custom – Type in the field provided or use the slider to enter a custom gamma value between 1.0 and 2.6. The Custom button will auto-select if a non-standard gamma setting is chosen. Note: If either 1.8 or 2.2 are chosen, the 1.8 or 2.2 buttons will auto-select.
  - 1.8 – Select this to set the gamma correction value to 1.8. This button will auto-select if 1.8 is chosen via the Custom field/slider option.
  - 2.2 – Select this to set the gamma correction value to 2.2. This button will auto-select if 2.2 is chosen via the Custom field/slider option.
- Options
  - Use Hardware Calibration – When supported, this option uses the monitor's own internal hardware for calibration.
  - Use Software Calibration – Calibration is performed using the Displays application software.
- Instrument (offline/online) / Instrument Name – Displays the currently activated instrument.
  - Instrument – Select from the list of supported Spectrophotometers to use for display calibration.
  - Display Type – Select the type of display being calibrated from LCD, CRT or RAW.

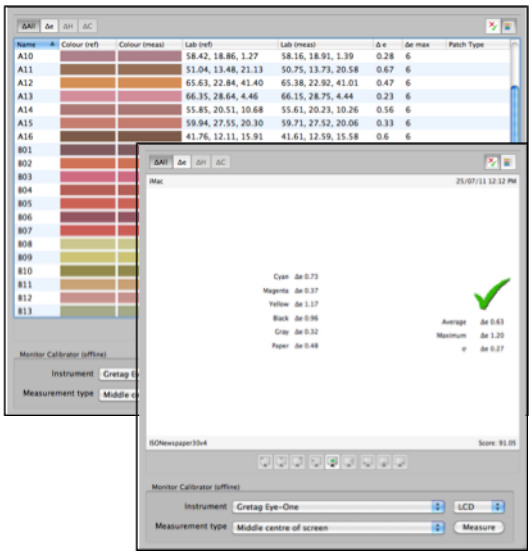


- Monitor Identification Number – Click to popup an identification number in the centre of the screen for the display to be calibrated.
- Calibrate – Click this button to start calibrating the selected display to the chosen settings and create the display ICC profile. Follow any onscreen instructions for your instrument. When calibration is complete, a file chooser will popup to name and save the ICC profile. The profile will be saved as the operating system native ICC profile for the display and will appear as the Native Profile in Serendipity Client Preferences > Colour Management (see System Settings for more information).
- Save Profile – Opens a file chooser (as above) to save or rename the ICC profile.
- Information Panel – Appears while the ICC profile is being generated, showing the progress and final results of the calibration process.

Calcheck

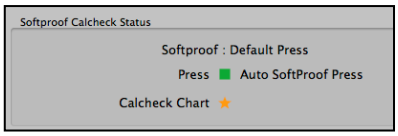
The Calcheck function displays Calcheck status summaries for all attached monitors, as compared to the values defined in the Calcheck Chart assigned to the SoftProof Default Press and Camera setting.

Clicking on the Calcheck header allows users to quickly view whether a display is currently calibrated for softproofing a particular press profile. See Applications > SoftProof; Workbench > Press for details.



Note: If a Calcheck summary is blank, this means:

- No Calcheck data exists for the monitor;
- That the current Calcheck for the monitor was measured against a different Calcheck Chart than the one assigned to the SoftProof Default Press; or
- No Calcheck Chart has been assigned to the default Press.



The top section of the display area shows:

- Press – The currently selected SoftProof default Press configuration.
- Calcheck Chart – The Calcheck Chart assigned to the above Press configuration.

The remainder of the display area shows the current Calcheck status of each connected monitor. Information includes:

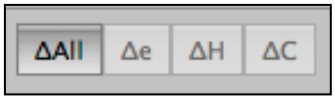
- Process Colour/Gray/Paper delta values
- Average/maximum/standard deviation delta values
- Display name (top left)
- Timestamp of the last Calcheck (top right)
- Chart and Instrument used (bottom left)
- Overall Calcheck score (bottom left)

Note: In cases where multiple areas of a screen have been calchecked, the summary will display the worst results from across all calchecked areas.

Clicking on a Display name under the Calcheck header (e.g., iMac) will allow the user to perform a Calcheck on the chosen monitor.

The main part of the display area (white box) will show the detail or summary of the Calcheck as it is performed.

The top section above the main area has the following options:



- Δ All – Shows all of the Δ results measured, as defined in the Calcheck Chart.
- Δe – Shows all of the Δe results only. The Δe standard used (DeltaE/CIE94/CIE2000) is selected in the Calcheck Chart (see Workbench > Calcheck Chart for details). CIE2000 is a recommended standard to use for display verification.
- ΔH – Shows all of the ΔH results only.
- ΔC – Shows all of the ΔC results only.
- Summary button – Shows Calcheck summary results.
- Detail button – Shows results for each measured patch of the Calcheck Chart.

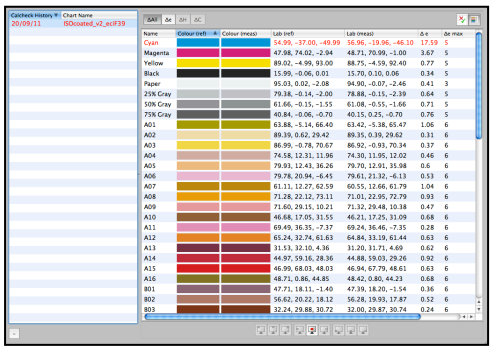
The lower section of the main display area contains the following:

- Screen Area buttons – These buttons enable the user to look at results from one of the nine (9) defined areas of the monitor screen. The buttons are grayed out (cannot be selected) if a screen area has not been calchecked. Areas that have been checked will enable the button and show whether the area passed (green) or failed (red) a Calcheck.
- Instrument (offline/online) / Instrument Name – Displays the currently activated instrument.
    - Instrument – Select which supported Spectrophotometer is to be used for the Calcheck.
    - Measurement Type – Select which area of the screen to Calcheck or Calcheck the whole (3x3 grid) screen. The middle centre of the screen if the default option for standard Calchecks.

History

By clicking on the History header, users can see at a glance the Calcheck summaries for all attached monitors. This is useful for keeping track of any changes in your monitor's performance (i.e., drifting).

Information includes:



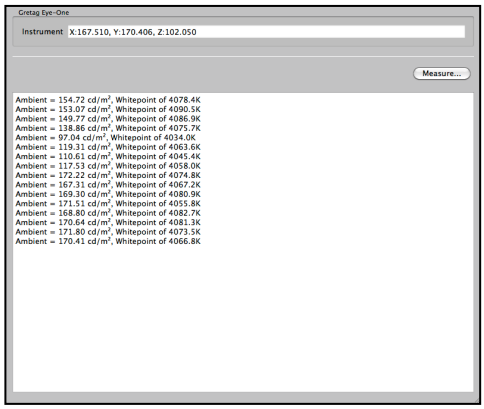
- Process Colour/Gray/Paper delta values
- Average/maximum/standard deviation delta values
- Display name (top left)
- Timestamp of the last Calcheck (top right)
- Chart and Instrument used (bottom left)
- Overall Calcheck score (bottom left)

These summaries show Calcheck results for the monitor(s) in relation to the Calcheck Chart used at the time of checking (shown at the bottom left of the summary). The summaries are independent of the currently assigned SoftProof Default Press / Calcheck Chart although, in most cases they will match the current Calcheck summaries (see above section).

Clicking on a Display name under the History header (e.g., iMac) will allow the user to review past results of Calchecks for the monitor. The window shows a sort list of previous Calcheck results, with the time and date the Calcheck was performed and the Calcheck Chart used. Selecting a history item will display a summary or the detailed results.

Ambient

By clicking on the Ambient header, the option to select a supported Spectrophotometer becomes available to measure the ambient (cd/m^2) and white point (K) of the light source, e.g., a light booth or room.



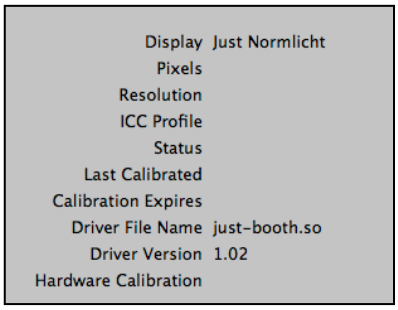
- Instrument (offline/online) / Instrument Name – Displays the currently activated instrument.
- Measure – Select from the list of supported ambient-mode Spectrophotometers to use for measurement.

Note: For some Spectrophotometers, after initial instrument calibration, an ambient light filter will need to be attached before measurement.

The lower, white area displays constantly updated measurements.

Light Booth

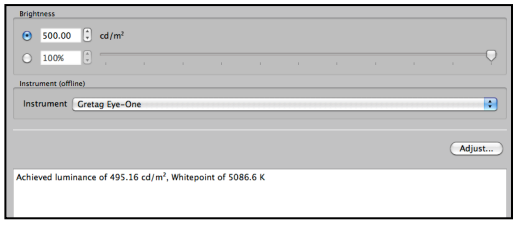
By clicking on the Light Booth header (when available), any currently connected light booths will be shown.



Each connected light booth shows information on:

- Name/Model
- Driver
- Driver Version

Clicking on a light booth name under the header will make calibration options available for the booth. These include:

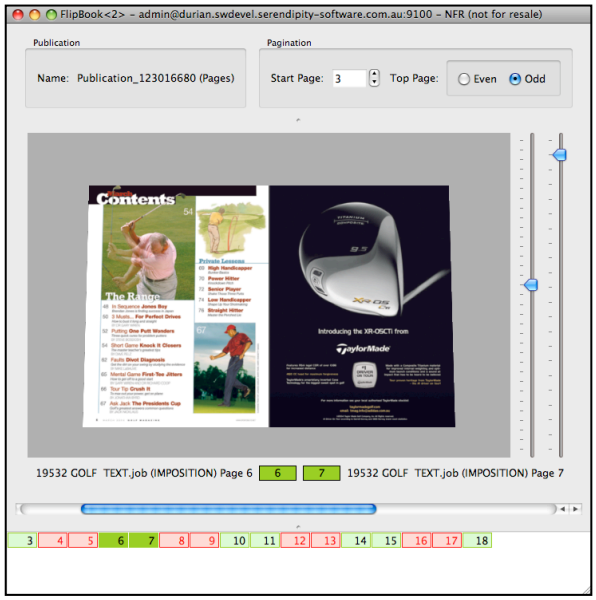


- Brightness – Choose to set the brightness level in either:
  - Candela – Brightness in cd/m^2
  - Set the level from 0-100%
- Instrument (offline/online) / Instrument Name – Displays the currently activated instrument.
  - Instrument – Select which supported Spectrophotometer is to be used for the light booth calibration.
  - Adjust – Click this button to calibrate the brightness of the selected booth. Follow any onscreen instructions.

Note: For some Spectrophotometers, after initial instrument calibration, an ambient light filter will need to be attached before placing it in the booth and commencing the booth adjustment.

FlipBook

The FlipBook application is used to view a publication as a virtual book. In Veripress, a publication is defined as a group of pages with the same publication name. This is a collection of book or magazine signatures that have been de-imposed, but a publication may consist of any number of pages.



FlipBook allows you to load the publication and flip through pages as you would with a real magazine or book. This enables you to check that the de-imposition has worked correctly, that pages are in the correct order, orientation and if there are any duplicates. Larger views of the pages can be called up and the whole publication can be exported to PDF or as a QuickTime movie.

FlipBook can be opened in three ways:

1. From the Application menu of the Serendipity Client. Publications can be dragged and dropped from the QueueManager into the FlipBook window and will open automatically.
2. From the QueueManager application by selecting a job and choosing View Flipbook. The View FlipBook option is only available if the job has a publication name.
3. From the BookMonitor application by selecting a Publication title and choosing View FlipBook. If the pages for the selected publication title have not been imaged or rendered in the QueueManager yet, the FlipBook will open but will not show any pages.

The FlipBook window comprises of four (4) main panels – **Publication**, **Pagination**, **Page View** and **Page Index**.

Publication Panel

This panel contains the name of the Publication being viewed.

Pagination Panel

- Start – Enter the page number for the starting page or use the arrows to select the first page number of the FlipBook. If the first page loaded is page 1, you cannot alter the start page number. If the first page loaded is greater than 1, you can enter a lower value as the start page number. This can be used if you are viewing a part publication where the first pages have not been processed.
- Top Page – Choose whether the top page of the FlipBook is Even or Odd.

Page View Panel

This panel is where the FlipBook pages can be viewed. When a FlipBook is opened, the pages of the publication are loaded and displayed in 2D (two-dimensional) view. There are various ways to navigate through the publication:

- Clicking on the page of the image – If you click on the right page, you move forward through the publication. Clicking on the left page moves backwards.
- Clicking on the pages in the Page Navigator Panel – displayed below the Page View panel. The view jumps to the page (pair) you select.
- Space Bar – The space bar moves forward to the next pair of pages. Hold the shift key and press the space bar to move backwards.
- PageUp/PageDown – Use these buttons on the keyboard to navigate forwards and backwards through the publication.
- Arrow Keys – Use down or right arrow keys to move forward through the publication and left or up to move backwards.
- Scroll Bar – Moving the scroll bar below the image moves forwards or backwards through the publication.

Page View (Contextual Menu)

There are various options available from the context (right click) menu:

- Open Publication – Opens a QueueManager showing all jobs processed in the system. Select a job or publication job to load and click OK.
- Reload Publication – Reloads the current publication with files from the queue. This is used if additional files have been processed as part of the publication, or changes have been made and the publication needs to be updated.
- Choose Press – Select a Press configuration to apply to the job currently (and subsequently) loaded into the FlipBook. (see Workbench - Press for details)
- Job Info – Displays the Job Info information about the currently selected page. (see Workbench - QueueManager for details).
- Swap Page with – Swap the page currently selected with another page from the same (currently loaded) publication.
- View Original – Opens and views the imaged file of the selected page in the SoftProof application.
- View Printed – Opens and views the rendered file of the selected page in the SoftProof application.
- View 3D – Toggles between a 3D or 2D view of the publication. Three dimensional viewing shows the page turning as you navigate through. The turning speed can be adjusted FlipBook Settings.
  3D mode adds 2 sliders on the right side of the Page View. The first alters the angle at which the 3D virtual book is viewed, the second zooms the view in and out.

Note: The performance of the page turning may vary depending on the size of the thumbnail being viewed and the performance of the graphics card.

- View as Calendar – Only available in 3D mode. Changes the flip axis to horizontal so pages flip up and down in the same manner as a calendar.
- Export – Exports the FlipBook as a PDF. Select the resolution, compression type and quality. Choose between exporting the whole book or a range of pages.
- Export as Spreads – Exports the FlipBook as a PDF but as spreads. The same options as above apply.
- Export as Movie (3D view mode only) – Exports the FlipBook as a QuickTime movie. After selecting this there are three further options:
  - Codec Type – Choose the preferred compression type from the menu.
  - Quality – Choose the preferred quality.
  - Keyframe Spacing – Choose how often a keyframe is saved.

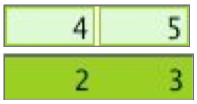
The settings you choose will affect the size of the movie, the quality and the compatibility with other applications. There are many Codec types available and not all work on all systems. Commonly used types are Apple MPEG4 and H.264 avc1. Increasing the quality setting also increases the file size. This is also true for the keyframes. The more keyframes, the better the quality but the larger the file size. Trial and error will provide you with the desired result.

- Render Queue Thumbnails – View the Rendered thumbnails in rather than the default Imaged thumbnails.

Page Index Panel

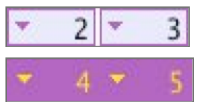
The Page Index displays a numbered box for each page making up the loaded Publication. It allows for direct navigation to any page by clicking on it.

The page boxes are colour coded:

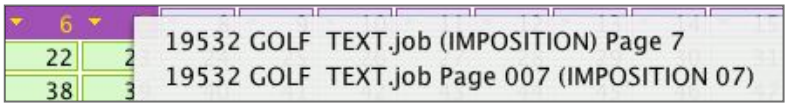


Light Green indicates the pages are loaded into the FlipBook and can be viewed. These show as dark green when selected.

Purple indicates there are duplicate pages, i.e., they have the same publication name and page numbers. Dark purple indicates the pages are selected.



Clicking on these pages allows you to select and view the alternative page:



Light Red indicates the page is not in the FlipBook. This occurs when there are other pages greater than the numbers displayed. This could be due to the imposition signature not yet being rendered. As they render, you can simply reload the publication to update the pages.

The status colours are updated whenever Reload Publication is selected.

A bar directly above the Page Navigator displays the Job Name for each currently viewed page on the left and right sides respectively. Pages with more than one version will show a dropdown to select which version to view. The Page Numbers being viewed are shown in the centre of the bar.

Menu Options

The following are available from the FlipBook File Menu:

- Open Publication
- Reload Publication
- Export
- Export as Spreads
- Export as Movie

Two other options are also available:

- Edit Touch Console UI – Opens an Edit Interface window allowing for the configuration of the buttons enabled (and visible) for control of the FlipBook in the Main screen of the Touch Console (see the Applications – Touch Console section for more information). Enable or disable buttons by clicking on them. Those disabled will appear with a red cross and will be excluded from the Touch Console when using it to view a FlipBook.

  The Toolbar has a Preview toggle to see how the Touch Console controls will appear and a Reset button to restore and enable all buttons.

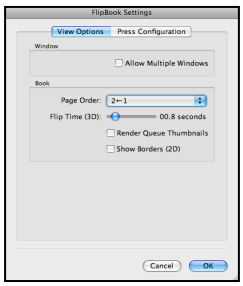
- FlipBook Settings – Configure the FlipBook viewing options and press configuration.

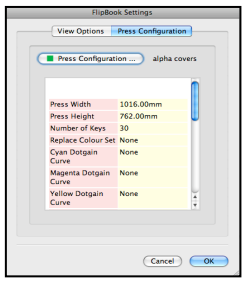
  ### View Options

  - Allow Multiple Windows – Enable or disable. Allows multiple Publications to be opened and viewed in separate FlipBook windows. If disabled, a newly opened Publication will replace the one currently being viewed.
  - Page Order – Choose between reading left to right or right to left.
  - Flip Time (3D) – Select the speed for the flipping of pages when in 3D mode.
  - Render Queue Thumbnails – Enable or disable render queue thumbnails.
  - Show Borders (2D) – Enable or disable the borders when viewing in 2D mode.

  ### Press Configuration

  - View or change the Press configuration FlipBook uses to display Publications.





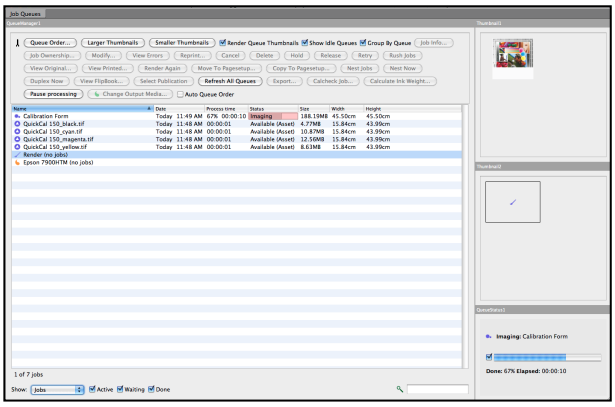
View Menu

These options are also available from the FlipBook View Menu:

- View 3D
- View as Calendar
- Ink Weight – Opens the Ink Weights window displaying the FlipBook publication's ink weights and coverage.

Jobs

The Jobs application is used to display jobs before, after and during processing and allows users to manage jobs through the system to plot their progress.



The Jobs application consists of an easy to navigate user-interface, with tabs and layouts available for various monitoring functions. Tab layouts may be added or managed according to individual preferences and are saved at the Client level, allowing different users to display information appropriate to their location and workflow.

Jobs is the default monitoring application and will be run automatically on launch of Veripress after the initial software installation.

Menu Options

Tabs Menu

- Add Tabs – Add a new tab to the Jobs application window. Select from a list of factory default layouts. New tabs can be imported for use via the Manage Tab Library option.

  The factory default tab layouts available are:

  - Job Queues (default loaded view)
  - RIPMonitor – Adds a tab with the RIPMonitor module.
  - Status and Drop – Contains the MediaStatus, Status, QueueStatus, DropZones and ClusterStatus modules.
  - Logs – Contains the ServerLog and ClientLog modules.
  - Jobs – Contains the QueueManager module with the Jobs view selected.
  - Drop Area – Contains the DropZone module. Right-click to add any additional dropzones to the Drop Area tab.
  - ServerLog – Contains the ServerLog module only.

- Rename Tab – Rename the selected tab.
- Manage Tab Library – Add, remove or preview tab layouts for Jobs application.
- Close Tab – Close the currently selected tab.

View Menu

- Previous tab – Opens the previous tab window.
- Next tab – Opens the next available tab window.
- Titlebars – Show or hide the titlebars for each module within the Jobs application tabs. This will show or hide all titlebars in all tabs and is not limited to the currently selected tab.

Job Queues Tab

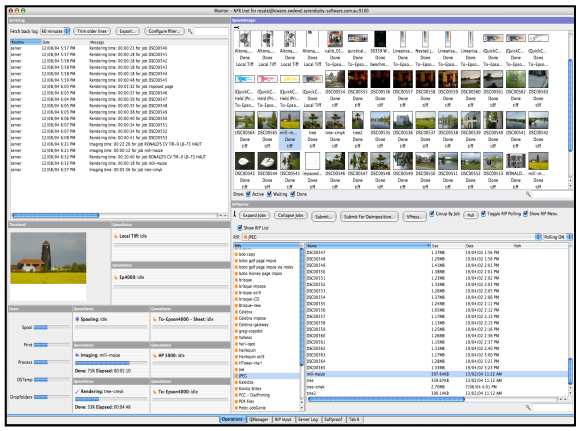
The default tab layout (Job Queues) for Jobs application contains the following modules:

- QueueManager
- Thumbnail – Imaging Preview
- Thumbnail – Rendering Preview
- QueueStatus – Imaging Queue

For information on each module, see the relevant sections of this manual.

Monitor

The Monitor application is an alternative user-configurable version of the Jobs application, central to the Veripress Client Interface (See Applications > Jobs). Like Jobs, it displays jobs before, during and after processing and allows users to manage jobs through the system to plot their progress. The Monitor provides feedback from the Server and Client via logs. Modules can be added and configured to suit specific requirements. See the Modules section for further information.



The Monitor consists of one or more user-defined tabs. Modules are added, positioned and sized according to individual preferences. Settings are saved at the Client level, enabling Serendipity Clients on different systems or in different departments to display information appropriate to their location.

The Monitor can be in one of two modes – Edit or Use.

Edit

This mode allows the user to move and resize modules on a tab. The mouse pointer changes to a cross when in Edit mode. Resize a module by grabbing the corners or sides and dragging to the preferred size. Click anywhere in the modules and drag it to the desired position. Modules close together will snap-to each other.

While in Edit mode, all Monitor Modules have a contextual menu available (right-click) with the following options:

- Remove (Module) – Removes the module from the Monitor tab.
- Set Size For (Module) – Allow the user to enter a width and height (in pixels) for the selected module via a resize popup.
- Duplicate (Module) – Duplicates the selected module. The duplicate has all the size, layout and configuration options of the original.
- Use Layout – Switches the Monitor to Use Mode.

Use

This is the normal user mode. It locks the module sizes and position and allows you to configure the modules preferences and manage jobs. Select this after Editing to use the configured layout.

Menu Options

Layout

- Edit – Switches the Monitor to Edit Mode (see above explanation).
- Use – Switches the Monitor to Use Mode (see above explanation).
- Dynamic Update – Enables or disables updates to the modules while in Edit mode.
- Show Titlebars – Shows or hides module titlebars.
- Add Modules – See the "Monitor Modules" section for further information on each module.
- Load – Loads a previously saved Monitor configuration.
- Save As – Saves the current Monitor configuration.
- Search UI (User Interface) – Activates a search bar for finding buttons and functions in the current Monitor tab. **Note:** Module Toolbar functions can only be searched if the toolbar is open.

Tabs

- New Tab – Creates a new tab.
- Rename Tab – Renames the currently selected tab.
- Duplicate Tab – Duplicates the currently selected tab and all modules within it.
- Choose Tab Colour – Select a colour for the currently selected tab.
- Choose Tab Image – Select an image for the currently selected tab background. Valid types are PNG and JPEG. It is recommended a large image not be used, as it will take up memory.
- Clear Tab Colour/Image – Reverts to the default background colour.
- Remove Tab – Deletes the currently selected tab.
- Remove All Tabs – Deletes all tabs.
- Next/Previous Tab – Switches to the next or previous Monitor tab (right or left).

Reordering Tabs

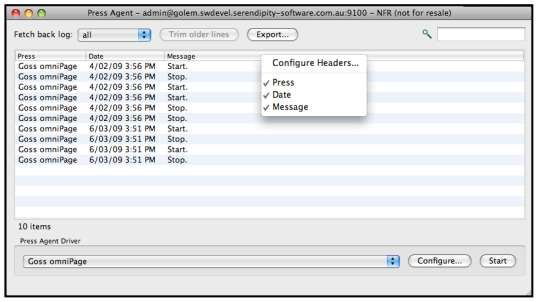
Tabs can be moved to a new position by clicking on and dragging the tab to the desired place in the order. A red pointer appears, showing the drop point between two tabs.

Press Agent

The Press Agent application allows Veripress to be connected to a Press console through a network port.

After selecting the appropriate Press Agent Driver, a press operator can load or turn softproofing jobs/pages using press console buttons.

Other options include interfacing with a press desk camera. The press operator turns a hardcopy page on the press desk - Press Agent will use the page recognition data from the camera/console to automatically load the correct left and right pages, or page spreads.



Log

The Press Agent window has a central Log panel to show events/messages/commands received from the press console while the Agent is active.

The following sort columns can be selected by using the contextual (right click) menu on the column header bar. Column order can be changed by dragging and dropping the columns, or by using the Configure Header option from the contextual menu:

- Press – The Press console that generated the event/message/command.
- Date – The date and time of the event/message/command.
- Message – The event/message/command generated by the press console.

Log Options

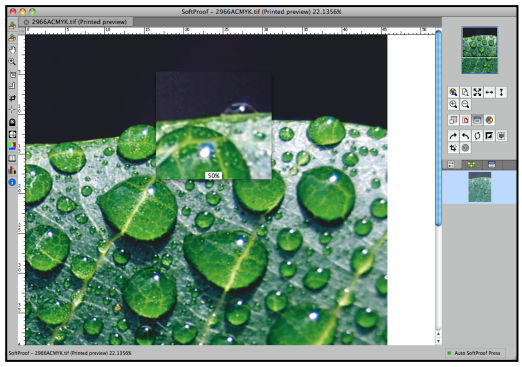
- Fetch Back Log – Displays the log for the time specified. For example, it retrieves and displays the last 4 hours of messages. Choose the time from the dropdown list.
- Trim Older Lines – Trims the log based on the time selected in Fetch Back Log. If this is set to 60 minutes, the log file is trimmed back so only the last 60 minutes remain.
- Export – Export the log to a HTML or tab delimited text file.

Interface Options

- Press Agent Driver – Select the required Press Agent Driver from the dropdown list of supported press consoles.
- Configure – Opens a Configuration pop-up for the selected Press Agent Driver. Available options vary dependent upon the press console driver.
- Configure is not available while the Press Agent is running. Hit Stop if settings need to be changed.
- Start/Stop Button – Starts or stops the Press Agent.

SoftProof

The Softproof application is used to proof a job on the screen. There are many tools available to check every aspect of the job at any stage of production or processing. SoftProof can be used in conjunction with or instead of a hardcopy proof. Using a calibrated monitor and configured press settings, proofs can be viewed and verified onscreen with precise colour accuracy.



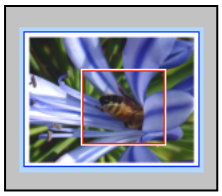
All job plates are shown and can be turned on or off, or changed as desired. Colour attributes and plate characteristics can be changed to see the effects of different printing processes, including paper types and the effects of show-through from the reverse side. The data can be exported to various file formats, including CIP3 and PDF. An Ink Key Viewer can display a job as it would be on the press, with the values for each key shown. The ink weight can also be calculated and over-ink areas identified. The proof can also be verified using the Displays application to give a pass or fail status in accordance with colour standards.

Layout

The SoftProof application consists of a large, central viewing window for jobs; a visual Tools menu on the left and a View panel to the right; a Navigation Thumbnail at the top right; and a status bar along the bottom of the window.

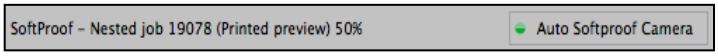
Navigation Thumbnail

This thumbnail shows the entire image loaded for softproofing. The area currently shown in the main viewing area is represented by a rectangle on the thumbnail. Mouse over and left-click to view a new area of the proof.



Status Bar

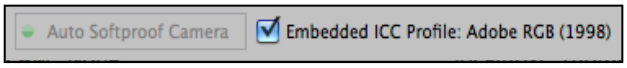
This bar shows the information about the currently loaded proof, the SoftProof Press Setting and the current calibration status of the monitor in relation to the Press Setting (See Applications > Displays for more information on screen calibration).



The left of the bar displays:

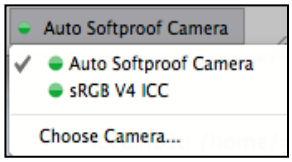
- Jobname (Original/Printed Preview) and current zoom level %

The right of the bar displays:



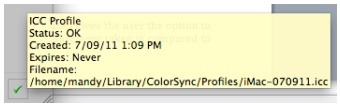
- Current Press or Camera settings, along with the Embedded ICC Profile for the image (if applicable). Use the tick box to override the currently selected Press or Camera profile and enable the embedded ICC profile.

Clicking on the Press or Camera profile button will popup a menu with the option to choose another Press/Camera setting if available.



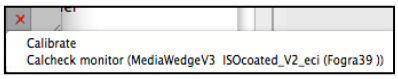
When Calcheck Managed is enabled (see Client Settings), the far right of the status bar will display a red cross or green tick, noting whether the current SoftProof display has passed a Calcheck against the Chart assigned to the currently selected Press.

Hovering the mouse pointer over the cross or tick shows a tooltip (when Tooltips are enabled) displaying information including:



- The ICC profile used by the monitor (normally created using the Displays application, Calibrate option).
- The Calcheck Chart assigned to the Press/Camera Settings currently used in SoftProof and the current Calcheck status of the monitor.

Click on the Tick/Cross to popup a menu with the following options:



- Calibrate – Begin calibration of the monitor using the current settings and Spectrophotometer assigned in the Displays application. When calibration is complete, select an appropriate name for the ICC profile and click OK to save.
- Calcheck Monitor – Begin a Calcheck of the monitor using the Calcheck Chart assigned to the current Press setting. The pass/fail status may change as a result of the check. Detailed results can be viewed in the History area of the Displays application

Tools

- Pan – Navigate around the image by clicking and dragging the job around the screen.
- Zoom – Zoom in or out of the job. Clicking the mouse zooms twice the current percentage factor. SHIFT+Click will zoom out half the percentage factor. Click and drag over an area to zoom it.
- Note – Create, manage and delete notes.
- Measure – Take a measurement on the image. Use the shift key to draw straight lines.
- Crop – Crop an image and resubmit it.
- Guide – Display guide lines on the image to check for alignment. Change the orientation by pressing SHIFT. ESC will remove the guides.
- Spectro – Take measurements of the job being viewed. A popup window will appear displaying the Lab/Lch/XYZ/Density values at the point the Spectro cursor is onscreen.

Veripress only – Additionally, the Spectro Tool gives the user the option to choose an instrument which can be used to measure a hard proof. The measurement taken is compared to the softproof and the deltaE displayed onscreen.

SoftProof Widgets

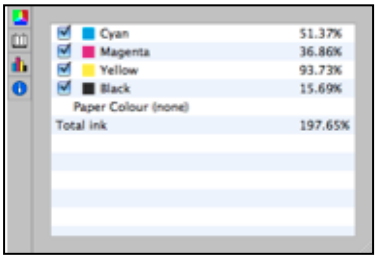
There are four (4) sliding widgets available from the left panel of icons in the SoftProof viewing window.

These include:

- Channels
- Publications
- Ink Keys
- Get Info

Channels Widget

The Channels Viewer shows the channels or plates of the job currently being viewed in SoftProof. Plates can be turned on or off by clicking the relevant coloured checkbox to the left of the plate name and can be reordered by clicking and dragging to a new position. The plate colour and associated attributes can be changed by double-clicking a choosing another Special Colour Set from the library, or edited for that SoftProof instance only.



- Name – The plate name. The checkbox indicates whether or not the plate is displayed.
- Value – The percentage of colour at the point of the cursor in the window. Total ink displays the total amount of ink at the point of the colour selector, i.e., the sum of all plate percentages. For RGB it will show the relative RGB values only.

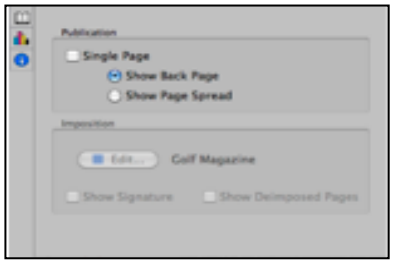
The contextual menu (right-click) reveals additional options **for non-RGB** jobs only:

- Choose Plate Colour – Select a plate colour from a Special Colour Set for the selected channel. Double-clicking will display the same Special Colour Set window.
- Choose Paper Colour – Select a colour from the Special Colour Set to use to simulate the paper colour. Once set, the option to revert becomes available.
- Edit Plate Colour – Displays a colour editing window to edit the selected colour for the current SoftProof instance only. The edits are not stored in a library.

- Apply a Replace Colour Set – Select a Replace Colour Set to apply to the job. Any plates matching the set will be replaced.
- Revert All Plates to Press Settings – Changes all plates back to the press configuration currently selected.
- Apply Blueline Set – Replaces all colours with varying shades of blue to see any traps or bleed issues.

Publications Widget

When softproofing a job that forms part of a publication, additional controls and view options are available:



- Single Page – Display just the single page selected. Disabling this option enables the following:
  - Show Back Page – Display the reverse side of a page through the page currently loaded, as if the final print was being held up to the light. The Back Page Opacity setting in the Press Settings controls the amount of show-through.
  - Show Page Spread – View the spread of the selected page, for example, pages 2 and 3 as a spread.
- Edit Imposition – When an imposition flat is loaded, changes can be made to the Signature Group here without closing SoftProof. Any alterations can be viewed using Signature Overlay.
  - Show Signature – Overlays the signature used to de-impose onto the image. This is only available if the job has been de-imposed.
  - Show Deimposed Pages – When an imposition flat is being viewed, SoftProof will show all available pages when this is enabled. Each page from within the imposition may be previewed via the Page Index tab.

Ink Keys Widget

The Ink Keys icon will display the Ink Key Viewer containing the loaded image in the SoftProof window.

At the bottom of the window will be a series of ink keys. Colour bars give a graphical display of the proportion of each ink contained within the job across the keys.

For each key selected, the relative percentage of ink for each of the plates is shown. An information panel runs down the right side of the window. The top of the panel shows information about the currently loaded Press Settings. Job view and placement can be changed and ink weight can be calculated for any job.

- Colour checkboxes – Positioned above the image, these show the inks or plates used in the job. Clicking on one will turn the others off and leave the ticked colour on. SHIFT+Click allows for multi-selection of colours. Double-click to show all.
- Ink Keys – The keys at the bottom of the window show the inks selected to be viewed on a graph. The scale of the graph varies, depending on the amount of ink in the job. Hovering over or clicking on an ink key will display the key number and its ink values at the bottom of the information panel.
- Press Settings – Shows the values for the currently loaded press. Click the box to show or hide the details. Press settings used are selected in the Default Press panel of the SoftProof Settings.
- Show Excess Ink Weight Area – Display areas exceeding the Maximum Ink Weight setting as defined in the Press configuration.
- Max Ink Key Value – Set the size of the ink keys to match your press. Ink values are calculated based on the size entered. If the size is 100, percentages are displayed.
- Sheet Placement – Show the job as positioned on the press sheet defined in the configuration. The job can be centered (selecting the Centre checkbox), or offset from the left (X) and bottom (Y). De-selecting this displays the whole job in the viewer and changes the ink keys to show total ink amounts for the job.
- Ink Weight Calculator – Calculate the amount of ink required to print (x) number of copies.
  - Print Run Size – How many to print.
  - Ink Weight (g/m^2) – Enter the weight of the ink used in grams per square metre.
  - Calculate – Based on the values entered for ink weight and print run size, the total weight of ink for each colour will be calculated for the loaded job and displayed in the ink value area.

Contextual (right-click) menu options include:

- Show Ink Key Table – Shows a separate window, listing the ink key values of all keys for each plate. These can be printed using a local printer or exported to PDF.
- Export Tab Delimited – Exports the values for the keys and ink values to a tab delimited text file.

Get Info Widget

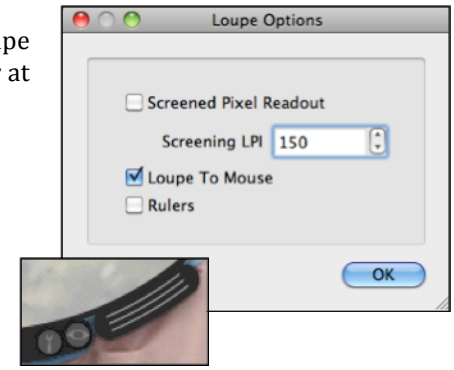
The Get Info icon will display job information about the currently viewed image in SoftProof – how it was processed, what Pagesetup and Media were used and other useful processing information. Click the icon again to hide the panel.

Loupe

The Loupe is available via the sidebar menu. Once opened, the Loupe will appear with the default setting "Loupe to Mouse" enabled.

Loupe Options (accessed via the Spanner icon):

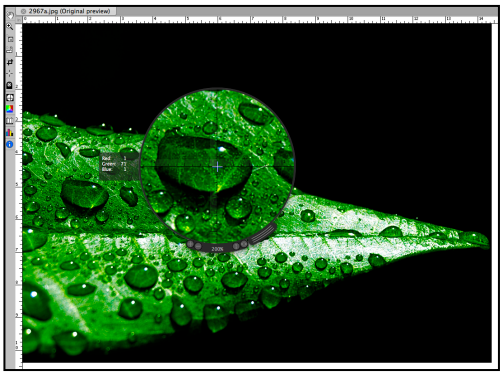
- Screened Pixel Readout (Veripress/Blackmagic Softproofing Add-On only) – Toggles the HUD between crosshair point measurement of ink percentages and a square for measuring area average dot percentages. The square resizes depending on the zoom level to always cover an area equal to a full halftone cell at the LPI defined in the SoftProof Settings.
- Screening LPI – Enter the desired value for screen ruling for SoftProof in Lines Per Inch (LPI). The default is 150.
- Loupe to Mouse – This is enabled by default. The mouse pointer location is used as the reference point for the Loupe display. This allows you to position the Loupe off image and use the mouse to display the relevant part of the image within the Loupe for proofing.
- Rulers – Turn rulers on or off. The rulers will appear in the Loupe window with measurement units displayed. The rulers are centered or at the mouse pointer location if held over the Loupe window.



The Loupe is moved around the SoftProof by left-click and holding to drag it.

The Loupe can be resized by clicking on the button with 3 lines (see image) and dragging outwards. The mouse scroll wheel will also increase/decrease the Loupe size when the mouse is positioned over the window.

A number of display and control options are available via the buttons at the bottom of the Loupe window:



- **+** (button) – Click to increase the zoom factor of the Loupe. The zoom factor is displayed at the bottom centre of the Loupe. Note: 100% = the resolution at which the proof was originally imaged, i.e., 1 screen pixel is 1 job pixel.
- **-** (button) – Click to decrease the zoom factor of the Loupe.
- Spanner – Opens the Loupe Options window.
- Eye – Displays the HUD (Heads Up Display) showing the CMYK dot percentages at the centered crosshair or within the average percentage box. If the image is RGB, the relevant R, G and B values will be displayed.

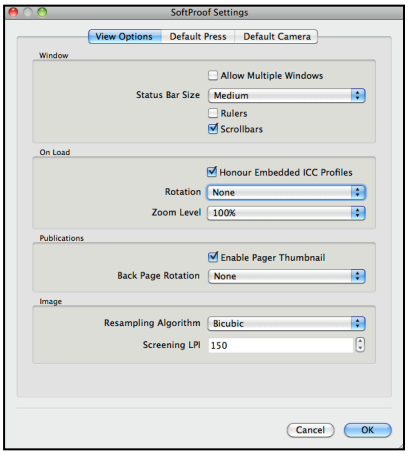
SoftProof Menu Options

File Menu

- Open Files – Load an image file directly into SoftProof. Supported file types are Canon RAW format (CRW), JPEG, PNG, PPM, Serendipity Blackmagic Image, TIFF and Adobe Photoshop PSD.
- Open Jobs – Load completed jobs into SoftProof. The Imaged (Original) or Rendered (Printed) file may be viewed.
- Save – Save the preview as a Blackmagic Image File. This can be submitted or placed in a hot folder, or on a DropSpot.
- Export – Export data from SoftProof. The available formats are CIP3, PDF, Postscript (Separated) and TIFF Multichannel.
- Submit – Submit the current job to a Media and Pagesetup with any changes. This re-images and re-renders the file. When submitting the image to be processed again with any relevant changes, the current image resolution is submitted. If the resolution is restricted in the Server Settings, this is the resolution that will be used.
- Edit Touch Console UI – Opens an edit interface window to allow the configuration of the enabled (visible) buttons for control of SoftProof in the Main screen of the Touch Console. Buttons are enabled or disable by clicking on them. Any disabled will appear with a red cross and will be excluded from Touch Console when using it to view softproofs. The Toolbar has a preview checkbox to see how the Touch Console controls will appear and a Reset button to restore and enable all buttons.
- SoftProof Settings – Opens the preferences for SoftProof, allowing for configuration of default viewing conditions. See below for further information.

SoftProof Settings

The SoftProof Settings allow you to select viewing preferences including how to load a job, and the quality and press settings used to produce accurate proofs. The settings window is split into three (3) tabs – View Options, Default Press and Default Camera.



View Options

Window

- Allow Multiple Windows – When enabled, allows jobs to be opened and viewed in separate SoftProof windows. If disabled, each job viewed will appear in a tab running along the top of the same SoftProof window. If a job is dragged and dropped into SoftProof from the QueueManager, it will replace any open image in the viewing window selected.
- Status Bar Size – Select the size of the status bar text from Small, Medium or Large.
- Rulers – Show or hide the rulers.
- Scrollbars – Show or hide the scrollbars.

On Load

- Honour Embedded ICC Profiles – When enabled, this will honour any embedded ICC profiles when viewing the image in SoftProof.
- Rotation – Control the orientation of jobs when they first load. The option None leaves the job in its imaged or rendered orientation.
- Zoom Level – Select the default zoom setting. All fitting zoom modes calculate the size based on the monitor resolution. This is set in the Colour Management tab of the Client Settings.

Publications

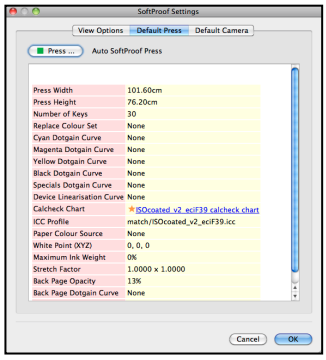
- Enable Pager Thumbnail – Enable or disable the thumbnail viewer when viewing a publication. When enabled, a thumbnail of the page appears when the mouse pointer hovers over the page number box.
- Back Page Rotation – Set a default rotation for a back page when using the option Show Back Page (see Publications Widget above).

Image

- Resampling Algorithm – Set the resampling algorithm for jobs as they are viewed in SoftProof.
- Screening LPI – Enter the desired value for screen ruling in lines per inch (LPI). The default is 150.

Default Press

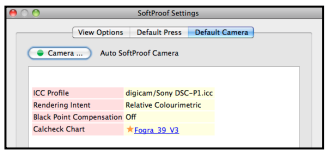
The default press tab allows you to select a Press configuration from the database to be applied to the loaded job and for all subsequent jobs opened in SoftProof. The results of the press settings can be seen on the output job and should match the printed copy.



An information window shows the settings of the currently loaded Press setup. Configurations are managed in the Workbench and contain information such as size, number of keys and colour information.

Default Camera

The default camera tab allows you to select a Camera configuration from the database to be applied to any loaded jobs using an RGB colourspace. If Honour Embedded ICC Profiles in the SoftProof Settings is unchecked and the RGB image contains an ICC profile, the default camera configuration will be used in its place.

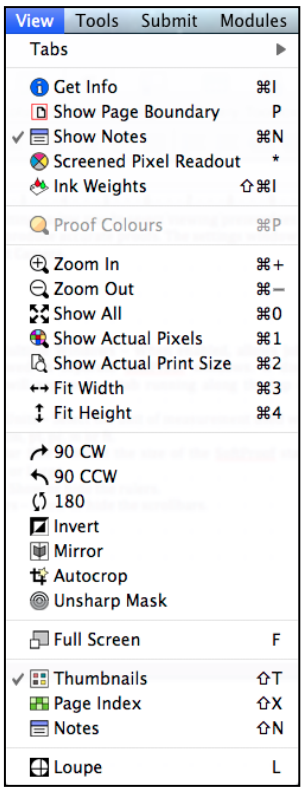


An information window shows the settings of the currently loaded Camera setup. Camera configurations are managed in the Workbench and contain information such as the ICC profile to be used, rendering intents, black point compensation and Calcheck Chart reference.

View Menu

Select menu items are also available as icons within the SoftProof window (see image).

- Tabs – Control the tabbed viewing of images in SoftProof.
  - New tab – Opens a new, empty tab ready for a job. Use the Open Job option or drag and drop a job from the QueueManager to view it.
  - Close Tab – Close the currently selected tab.
  - Next Tab – Loads the next available tab.
  - Previous Tab – Loads the previous tab.
  - Show Tab – Show/hide the tabs listed at the top of the screen.
- Get Info – Display information about the softproofed job and how it was processed.
- Show Page Boundary – Display a red line around the page area of the job.
- Show Notes – Display any notes attached to the job.
- Screened Pixel Readout – Toggles the HUD between crosshair point measurement of ink percentages and a square for measuring area average dot percentages. The square resizes depending on the zoom level to always cover an area equal to a full halftone cell at the LPI defined in the SoftProof Settings.
- Ink Weights – Opens a window displaying the ink weights (source and print inks) for the job.
- Proof Colours – For use with RGB images only. Automatically select a Press Configuration to display onscreen what the RGB image will print like using a specific Press profile. The selected Press will appear in the status bar at the bottom right of the screen. Clicking the status bar button will allow you to adjust which profile is used.
- Zoom In/Out – Zoom in or out of the image.
- Show All – Fit the entire job into the SoftProof window.
- Show Actual Pixels – One pixel of the screen is equal to one pixel of the job. This is shown at 100%. This view mode has the quickest load time as resampling for scaling is not required.
- Show Actual Print Size – Show the print size of the job.
- Fit Width/Height – Fit the job to the height or width of the SoftProof window.
- 90 CW – Rotate the image 90 degrees clockwise.
- 90 CCW – Rotate the image 90 degrees counter-clockwise.
- 180 – Rotate the image 180 degrees.
- Invert – Invert (negate) the image.
- Mirror – Mirror the image.
- Autocrop – Remove any whitespace around a job. There must be a completely clear area on any one side of the job.
- Unsharp Mask – Apply an unsharp mask to the image. This will affect the edges within the image.

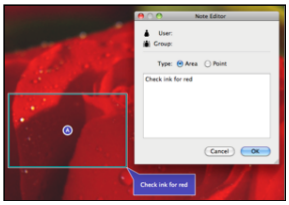


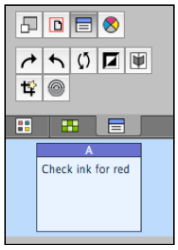
- Full Screen – Switch between full screen mode and window mode.
- Thumbnails – Select the Thumbnails tab within the SoftProof window.
- Page Index – Select the Page Index tab within the SoftProof window.
- Notes – Select the Notes tab within the SoftProof window.
- Loupe – Display a virtual loupe on top of the loaded image. The loupe can be resized and magnification level changed if required. The current magnification is shown at the bottom of the Loupe; 100% means 1 screen to 1 job pixel.

Thumbnail Panel

The thumbnail panel displays a small image of any jobs currently open in SoftProof. Clicking on the relevant image will switch the SoftProof preview to that window.

Notes Panel





Notes gives users the ability to draw a text box on the imaged or rendered SoftProof to make a note. The note is attached to the job file and remains attached until it is either deleted or the job is removed from the system. There is no limit to how many notes can be created, and they can be shown or hidden as required.

Notes cannot be attached to files opened in SoftProof via File Menu > Open Files. The file needs to be submitted as a job before any embedding of notes can take place.

When creating a note with the Note Editor, a configurable arrowhead pointer option is available along with the existing area marker for a more precise commentary on the job. The User and Group of the note creator are also displayed (see Secure Mode). Notes can be edited or the pointer adjusted by double-clicking on the Note.

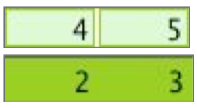
The Note panel displays any notes attached to the job currently selected in the main viewing window. There is also a Note column in the QueueManager showing the number of notes attached to a particular job. The Notes icon on the left menu bar is used when adding Notes to the softproofed image. The Notes icon in the right panel is used to display or hide any notes on the image.

- Show Notes – Show or hide the notes on the preview. Notes can also be toggled by clicking the icon on the right panel (see image above).
- Text – The text making up the note.
- User / Group – The User and Group responsible for the note.

Page Index Panel

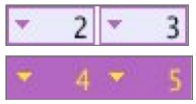
The Page Index panel displays a numbered box for each page making up the loaded publication. This allows for direct navigation to any page by clicking on the page number. Hovering the mouse over a page number will pop-up a thumbnail for the page.

The page boxes are colour coded:

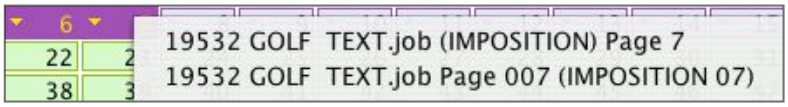


Light Green indicates the Publication pages are loaded and can be viewed. These show as dark green when selected.

Purple indicates there are duplicate pages, i.e., they have the same publication name and page numbers. Dark purple indicates the pages are selected.



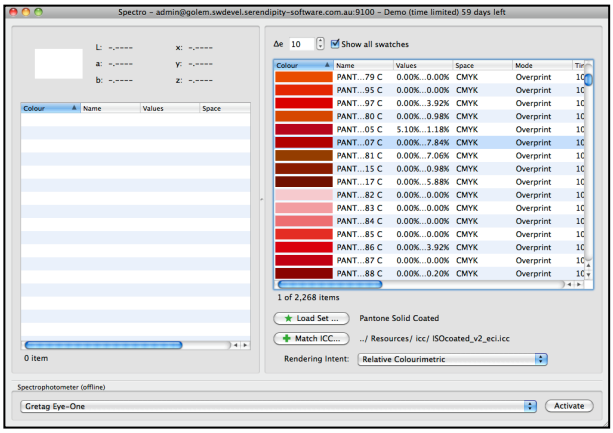
Clicking on these pages allows you to select and view the alternative page:



Light Red indicates the page is not yet available for viewing in SoftProof. This normally occurs when there are page number gaps if pages have not yet imaged or rendered; or when processing a de-imposed publication with known (signature defined) page numbers. As the missing pages image/render, close and re-open SoftProof to update the publication pages.

Spectro

The Spectro application allows for the measurement of colours with a Spectrophotometer. The accuracy of the measured value can be viewed against an imported value when mapped through a selected ICC profile.



The window is split into two sections. The right side allows for the import and viewing of a Special Set, which is used as the comparison base. The left side displays the measured values.

Selecting a particular measured value matches the closest colour of the imported set, giving it relative deltaE values. These can also be filtered to only show the closest matches for better viewing.

Options

- Load Set – Select a Special Colour Set to load. This is the set used to compare measured values with. Choose from any of the Special Colour Sets created.
- Match ICC – Select a Match ICC profile.
- Rendering Intent – Select the rendering intent for the Match profile.
- Spectrophotometer – Select your device from the list of supported Spectrophotometers.
- Activate – Connect to your selected device. Once connected, the pull down device list will change to display any status messages from the device and the values measured.
- Turn Off – Disconnects the connected Spectrophotometer. Alternates with the Activate button.
- Add – Select this to append to the list for each reading. If this is not selected, the last reading is updated. This is available after the device has successfully connected.
- △e – Select the value of deltaE to display for when comparing measured colours with those in a loaded set. This is used in conjunction with the Show All Swatches option.
- Show All Swatches – Select this to view all swatches. By de-selecting this, only those swatches below or equal to the deltaE value entered will be displayed. Colours within the defined tolerance values will show in blue.

Measured / Loaded Set Panels

The Measure and Loaded Set panels show the following information:

- Colour – A swatch visually representing the colour.
- Name – The name of the colour. This can be edited by clicking in the name field.
- Space – The colourspace of the colour (Lab or CMYK).
- Mode – The paint mode of the colour.
- Tint – The tint value of the colour.
- DotGain – The dotgain curve assigned to the colour (if any).

In addition, the Loaded Set panel displays the following:

- △e/CIE94/CMC (1:1)/CMC (2:1)/Delta L/Delta a/Delta b – These columns list the relative delta's of the loaded set colours when compared to the selected, measured colour.

Export Menu

The Export menu allows for the measured values to be exported to a space or tab delimited file. Save all or only selected entries and select the format for export:

- Lab – Export just the Lab values.
- XYZ – Export just the XYZ values.
- Lab XYZ – Export the Lab values followed by the XYZ values on the same line.
- XYZ Lab – Export the XYZ values followed by the Lab values on the same line.
- Separate Values With – Choose if the values are to be separated with spaces or tabs.

A contextual (right-click) menu in the Measured / Loaded Set panels has the option to Delete (a selected colour); Delete All (measured colours); Print (the measured/loaded set to a system device); and Font Options.

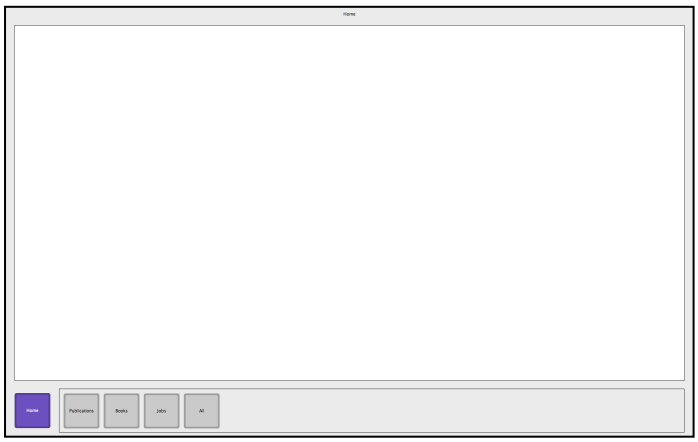
Touch Console

The Touch Console application offers enhanced control and usability of the SoftProof application through the use of a touch screen. Ideal for press room environments, the separate touch screen acts as the console, controlling jobs that are loaded and softproofed on the main screen. Individual jobs or entire publications can be quickly located for proofing.

A Touch Console Settings menu saves valuable time, enabling the operator to choose default navigation options; the queues the Touch Console will search for jobs; and whether the console switches automatically to the Main control screen, the SoftProof view navigator, or the page navigator (for publications) once a job or jobs have loaded.

A Mode Bar allows instant switching between control interfaces from the main Image and Navigation control, through to Ink Keys and Channels; the Virtual Loupe; Press Configurations; Page Navigation; Notes and Tabbed Views.

When the Touch Console is launched, a blank screen will appear on both monitors (the touch screen and the main monitor) with instructions to select which monitor is the touch screen. Simply touch whichever screen is to be the Touch Console to begin.



The Interface

The interface occupies the whole of the touch screen. At the top is a banner advising which section the user is in at the time. The title banner will change to reflect the different modes in use. The bottom of the screen displays the various modes to use with SoftProof. Return to the starting point at any time by pressing the Home button.

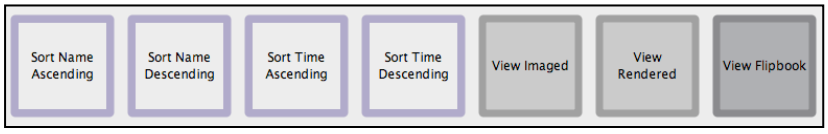
Using the Touch Console

When first starting, Home is the default position. View the jobs in the system by selecting one of the mode buttons along the bottom of the screen:

- Publications – View a list of jobs that are part of a publication only.
- Books – View a list of jobs that make up a Book as defined by the Bookfilter and BookMonitor application.
- Jobs – View a list of jobs that are not part of a publication only.
- All – View a list of all jobs in the system.

Jobs must be in the print queue to be displayed, i.e., they must have completed rendering. It will not show any jobs Waiting to Render or in a Held status.

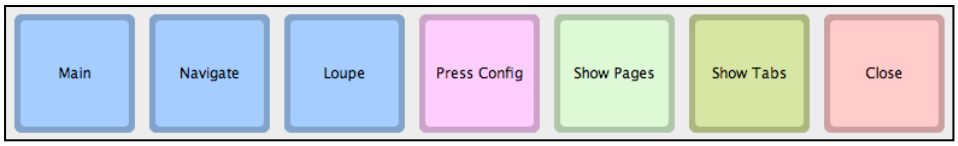
Once a mode has been selected, the screen will change to display the appropriate list of jobs with the available sorting and viewing options:



Actions available include:

- Select – Touch your finger on a job in the list and it becomes selected. The mode options change to display View Imaged, View Rendered and View Flipbook.
- Scroll – Touch your finger on the list and drag it up or down the screen. Lift your finger off and position it again to scroll further.
- Fast Scroll – Touch your finger on the list and drag it fast up or down and let go in a "throwing" action. To stop the list at any point, touch a job on the screen.
- Scrollbar (optional) – If enabled, drag your finger down the overlaid scrollbar to move up and down the list. Moving your finger left-right will change the position of the scrollbar itself.

When the required job has been located and a viewing mode selected, the Touch Console will open the Main, Navigate or Pages control panel.



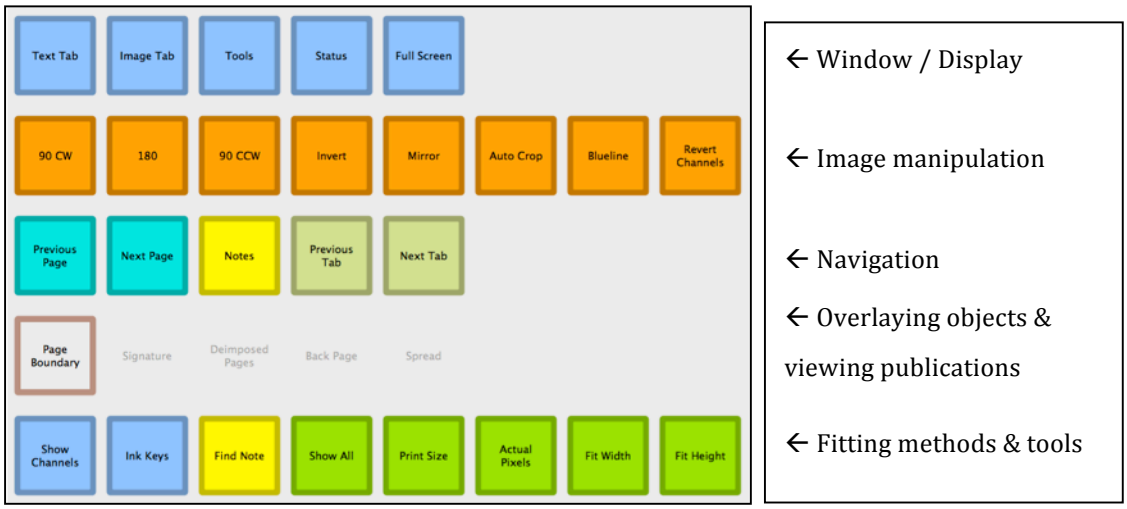
Actions and modes of the Touch Console will adjust to give the options normally associated with the SoftProof application. Selecting View Flipbook will load the job into the standard Flipbook application with relevant actions and modes on the Touch Console.

Modes available include:

- Main – The default main screen displayed when a job is first loaded. This is a control screen for macro-manipulation of jobs. Includes functions such as image inversion and rotation, back page show through, image size on screen and so on.
- Navigate – A control screen for closer examination of proofs – features controls for the viewed image size (fit width/height, original 100%, printed size) and zoom controls.
- Loupe – Opens the Virtual Loupe on the main screen, with controls for the Touch Console.
- Press Config – Opens a list of available Press configurations to apply to the SoftProof. This will switch to Camera Config when an RGB image is opened.
- Show Pages – Opens a modified Page Navigator for instant page-to-page viewing.
- Show Tabs – Displays a list of job currently loaded in SoftProof Tabs.
- Close – Closes the current job, publication or tab.

Main

A job can be manipulated in various ways once loaded, just as with the conventional controls for the SoftProof application. Some actions will only apply if certain types of jobs are viewed. The actions are colour coded to help group them into like actions. Buttons can be shown or hidden using the Touch Console settings.



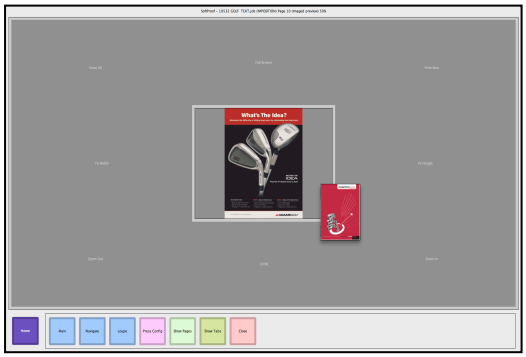
- Text Tab – Toggles the text job name tabs for multiple loaded images in the SoftProof screen.
- Image Tab – Toggles the job thumbnails in the SoftProof screen.
- Tools – Toggles the Tool Palette in the SoftProof screen. The Palette must be enabled in the SoftProof application for this to function.
- Full Screen – View the SoftProof window in full screen view or the user-defined view.
- 90 CW/180/90 CCW/ - Rotate the currently viewed proof in the desired direction.
- Invert – Invert the image displayed.
- Mirror – Mirror the image displayed.
- Auto Crop – Remove white space from around a job. There must be a completely clear area on any one side of the job.
- Blueline – Replace all colours with varying shades of blue to see any traps.
- Revert Channels – Revert to the original channel values.

- Previous/Next Page – Move to the previous or next page when viewing a publication.
- Notes – Show or hide any notes embedded in the job (see SoftProof – Notes for more information).
- Previous/Next Tab – Move to the previous or next tab when viewing multiple tabbed jobs.
- Page Boundary – Toggle a red line showing the page/image boundary of the proof.
- Signature – Overlays the signature used to de-impose the job/page if it was submitted for de-imposition. This is only enabled when viewing a de-imposed job/publication.
- Deimposed Pages – De-impose a job submitted as an imposition on-the-fly into separate pages, defined by the signature attached to the job and return it to its original state. (see RIPMonitor – Submit as Imposition for more information).
- Back Page – Display the reverse (back) page through the page currently loaded as if the final print was being held up to light. The Back Page Opacity setting in the Press Settings controls the amount of show through.
- Spread – View the spread of the selected page, for example, pages 2 and 3 as a spread.
- Show Channels – Opens a simplified Channel Viewer touch console interface, featuring a coloured and labeled button for each process and spot ink channel. Selecting each button will toggle the ink channel on or off. If the Channel Viewer (see SoftProof) is open, the channel's on/off state will be reflected in the panel. Touch the Main button in the Mode Bar to return to the Main screen.
- Ink Keys – Opens the Ink Key Viewer for the current image on the main SoftProof screen and a set of controls for it on the Touch Console. Once settings such as Ink Weight and Sheet Placement have been set in SoftProof (see InkKeyViewer), the touch controls offer the ability to easily switch between Channels and Keys. The following control buttons are available:
    - Excess Ink Area – Toggles the view to show areas inked in excess the defined maximum ink key value.
    - Full Screen – Toggles full screen mode for the InkKeyViewer window.
    - Channels – Select which channel to view in the InkKeyViewer. Touching the currently active channel button again will show all ink channels.
    - Ink Keys – These are buttons for each separate Ink Key as defined in the loaded Press configuration. Press configurations with large numbers of Ink Keys may use more buttons than will fit on the Touch Console screen. Excess buttons can be accessed by touch-and-dragging the Ink Key controls up or down. Touch the Main button in the Mode Bar to return to the Main screen.
- Find Note – If any Notes are attached to the currently viewed job/page/spread, this button will open a list of the Notes in the Touch Console. Select a Note to navigate to its location on the proof. Finding a Note will toggle the Notes button to show all notes.
- Show All – Show the whole job within the SoftProof window.
- Print Size – Show the job in the SoftProof window at print size.
- Actual Pixels – Show the job in a one screen pixel to one job pixel ratio (i.e., 100% zoom). This view mode has the quickest load time as no resampling for scaling is required.
- Fit Width/Height – Fit the job to the width or height of the SoftProof window.

Navigate

In Navigate mode, it is possible to pan around the image and change the zoom or fitting method. A thumbnail of the image is loaded into the centre action area of the console.

Touch the thumbnail to jump to that location on the image in the SoftProof; or touch-drag around the thumbnail to pan around the proof.



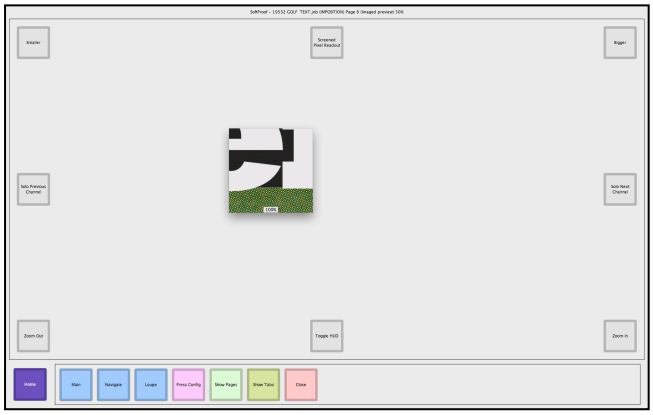
Around the edges of the thumbnail are the Touch Console controls for Show All, Print Size, Full Screen, Fit Width, Fit Height, 100% (Actual Pixels).

The two remaining controls alternate between Previous Page/Next Page or Zoom In/Zoom Out.

Loupe

The Loupe mode positions a loupe on the SoftProof window. The Touch Console action pane acts like a drawing tablet. Touch and drag your finger on the touch screen to move the loupe over your image.

Buttons around the edges of the console control the Loupe's features:



- Smaller / Bigger – Decrease or increase the size of the loupe.
- Zoom In / Out – Increase or decrease the magnification of the loupe.
- Solo Previous / Next Channel – These controls allow individual Ink Channels of the job to be viewed within the Loupe, acting as the Show Channels function. The buttons cycle through each individual channel then show all channels (default view).
- Toggle HUD – Toggles the Heads Up Display in the Loupe window, showing the CMYK dot percentages at the centered cross-hair or within the average % box.
- Screened Pixel Readout – Toggles the HUD between cross-hair point measurement of ink percentages and a square for measuring area average dot percentages. The square resizes depending on the zoom % to always cover an area equal to a full halftone cell at the LPI defined in SoftProof Settings.

View FlipBook

View FlipBook displays a list of available publications that may be opened and viewed using the FlipBook application. Once a publication is opened, FlipBook controls will appear on the console:

- View 3D, View Calendar, Show Borders and Rendered Thumbnails toggles.
- Decrement/Increment Start Page, Even/Odd Top Page, Read Direction 1->2 / 2<-1 buttons.
- Press Configuration can be selected.
- Top Section and Page Navigator buttons allow sections of the FlipBook window to be toggled on or off.
- Pages can be "flipped" through using Previous/Next Page buttons or accessed directly using the Pages screen.

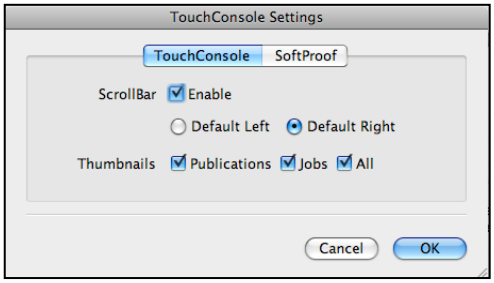
Touch Console Menu

The Touch Console menu has the following options:

- Font Options – Control the font size for the Touch Console text.
- Queue Order – Select which Output queues are made available for view/proofing in the Publications and Jobs lists on the Touch Console.
- Book Order – Select which BookFilter queues are made available for view/proofing in the Books list.
- TouchConsole Settings – See below for more information.

Touch Console Settings

Default job viewing and touch screen navigation options can be configured using the Touch Console Settings. There are two tabs – TouchConsole and SoftProof:

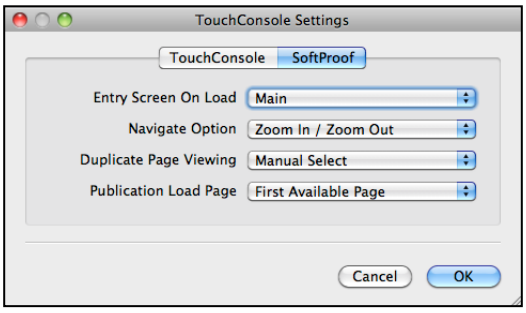


Touch Console

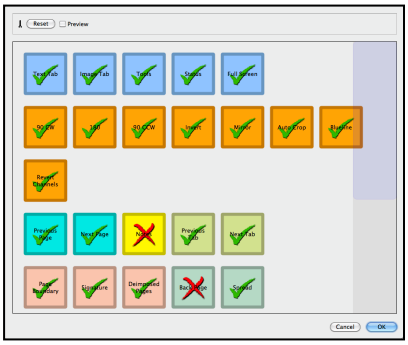
- ScrollBar – Enable or disable the scrollbar and set the default side it appears on (Right or Left).
- Thumbnails – Enable or disable viewing thumbnails for Publications, Jobs or All selection lists.

SoftProof

- Entry Screen on Load – Select the control screen the Touch Console will default to when loading a new job/page:
    - Main – The console defaults to the Main screen on load.
    - Navigate – The console defaults to the Navigate screen on load.
    - Pages – The console defaults to the Show Pages screen on load.



- Navigate Option – Choose whether the Navigate console screen has the Previous Page/Next Page or Zoom In/Zoom Out buttons.
- Duplicate Page Settings (Veripress/Blackmagic Softproofing Add-On Only) – When viewing a publication with duplicate (purple) pages, choose from these page load options:
    - Manual Select – When a page with duplicates is selected in the Show Pages screen, the page to view must be manually selected. This is the default mode of a non-Veripress Touch Console.
    - Select Newest Page – Useful in publishing workflows where page updates/revisions are common. This option will automatically display the latest version of the page.
- Publication Load Page (Veripress/Blackmagic Softproofing Add-On Only) – When loading a multi-page publication, choose from these load options:
    - Manual Select – After selecting the Book or Publication to SoftProof, this will open the Show Pages control panel. The publication will open at the page selected.
    - First Available Page – Loads the selected Book or Publication at the first available [rendered] page. This is the default load method.
- Edit Touch Console UI – Opens an Edit Interface window to allow for the configuration of the enabled (visible) buttons for control of SoftProof in the Main screen of the Touch Console.
  Enable or disable buttons by selecting them. Those disabled will appear with a red cross and will be excluded from the Touch Console when using it to view softproofs.
  The Toolbar has a Preview checkbox to see how the Touch Console controls will appear and a Reset button to restore and enable all buttons.



Serendipity Client Menu Items

The Serendipity Client menus provide access to direct job submission options, system settings, and extra functions and utilities.

Application Menu (Windows/Linux) or Serendipity Client Menu (Mac OS X)

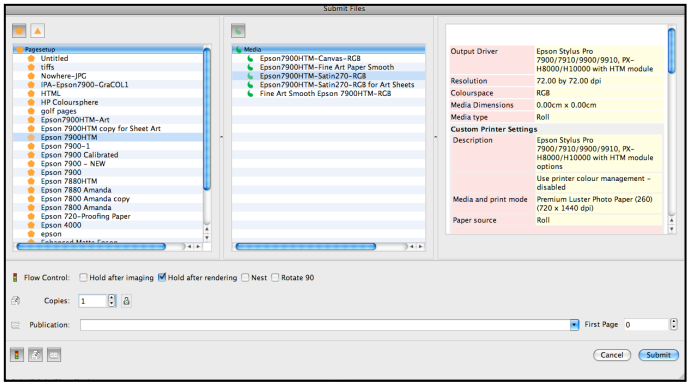
Preferences – Select this menu option to open the Client Settings (Preferences) for the Serendipity Client, containing default values and preferences configured for the Client and its applications and modules. See the System Settings > Client Settings section of this manual for further information.

Submit Menu

Submit Files

Select files to send to a Media and Pagesetup for processing. One or more files may be selected for processing.

Selecting Open will present a chooser showing the Pagesetups and Medias available. Choose the combination to submit the files to and click the Submit button. This will copy the files into the system for processing. The flow control can be enabled to hold the job after imaging or rendering; the number of copies can be set; or jobs can be placed as pages in a publication.



Submit Window

The Submit window is comprised of four (4) sections – a Pagesetup selection list; a Media selection list; an Information panel displaying details of the currently selected Pagesetup or Media; and a Submission control panel.

Pagesetup Selection List

- Pagesetup – When selected, this button displays a list of Pagesetups available to submit jobs to.

An active (selected) Pagesetup is highlighted in blue.

Media Selection List

This list is only active if the Pagesetup button is selected in the Pagesetup selection list.

When a Pagesetup has been chosen, a list of Media compatible with the Pagesetup will be displayed for selection.

An active (selected) Media is highlighted in blue.

If no Media is selected, the submitted job(s) will be output to the Pagesetup's default Media.

Note: The Serendipity Client saves the last Pagesetup and Media selection so it need not be selected every time a job is submitted to the same Pagesetup.

Information Panel

This panel displays the settings for the currently selected Pagesetup or Media.

Submit Options

The lower section of the Submit window has the following options available when submitting files:

Flow Control

- Hold After Imaging – Check this box to hold the job after the Imaging stage has completed. Held jobs can be released to continue processing via the QueueManager toolbar or contextual (right click) menu.
- Hold After Rendering – Check this box to hold the job after the Rendering stage has completed. Held jobs can be released to continue processing via the QueueManager toolbar or contextual (right click) menu.

- Nest – Submits the jobs for imaging and rendering, then on to be nested with other jobs. Nesting criteria are defined in the Output for the Pagesetup/Media to which the job is sent (see Workbench – Output for further information). **Note**: This Nesting function only requires that the Output used has nesting parameters defined. The Output itself can have nesting disabled for normal use. This allows selected jobs to be nested when submitted while leaving the Output non-nesting for normal use.
- Rotate 90 – Rotates the job 90 degrees. This will override any rotation settings in a Pagesetup.

Copies

- No. of copies field – Enter the number of copies of the job to be printed.
- Copy Lock button – Locks the number of copies to be printed for any files submitted until unlocked and changed.

Publication

- Publication Name field – Optionally type a publication name to which the submitted file will be assigned. The job will be viewable in the Publication View of the QueueManager.
- First Page field – Enter the page number for the submitted file in the publication. If submitting multiple files, the page numbering will start at the defined page number and increase sequentially for each job.

Submit Files For De-Imposition

Also available via the RIPMonitor, this option allows for the submission of files directly for de-imposition, rather than from a RIP queue. After selecting one or more files, a chooser will appear to enable selection of a Pagesetup and Media, or Pagesetup Pool. A Signature Group can also be assigned to de-impose the files (see Workbench – Signature Groups for more information).

Submit Files As Imposition

Also available via the RIPMonitor, this option allows for the submission of files directly as an imposition, rather than from a RIP queue. This will submit an imposed job in its original form, but attaches a Signature Group (via popup chooser) to allow the job to be de-imposed on the fly using the Deimposed Pages button in the Veripress SoftProof Touch Console (see Touch Console for more information).

Submit ICC Target

After selecting one or more ICC target files, select a Pagesetup and Media to submit the ICC target file to.

Note: This option is used as part of creating an ICC calibrated Pagesetup/Media. After creating and assigning a Paper Profile and Linearisation curve to a Media, this option is used to submit an ICC target file to the printer with all ICC options disabled. The target is then read by third party ICC profiling software and used to generate the printer's output ICC profile, which is then assigned to the Media.

Submit ICC Target Without Colour Correction

After selecting one or more ICC target files, a chooser allows you to select a Pagesetup and Media to submit the ICC target file to.

Note: This option works in a similar way to "Submit ICC Target" however, all Linearisation data will be disabled at the time of submission, unlike Submit ICC Target which enables colour correction curves. The job info will display **Calibration Target, ICC Disabled** in the Properties field.

Test Prints

Select one or more Pagesetups and Medias and send multiple copies (if desired) of internal test prints for processing.

Note: You can add your own files to the **lib/testprints** directory for use as test prints. Any files you have permission to use that are placed in this directory will appear for selection in the Test Prints chooser window.

Server Menu

Server Settings
Select this menu option to open the System Settings (Preferences) for the Serendipity Server. The Systems Settings section contains default values and preferences configured for the Server. See the Server Settings section below for further information on each panel.

Connect to Server
This allows the Serendipity Client to connect to a Veripress Server running on the network. The Refresh button will search for and display any active Servers. Alternatively, you can enter the name or IP address of the Server in the Server Address field under the Manual tab.

If there are multiple Servers (Masters) running on the network, the list is cached on the first "Connect to Server" selection. A dropdown list of available Servers is accessible via the Auto Detect tab. If a new Server appears after this time, the Refresh button must be pressed to find and add it to the list. Likewise, if a Server becomes unavailable, the connection will fail and the list will require a refresh.

When the Serendipity Client is started, it will attempt to connect to the last Veripress Server accessed by default.

Accounts Admin
Accounts Admin allows an authorised administrator to create, modify and manage User accounts and User Groups. Users can be reassigned to groups dependent upon the operating privileges granted to each User Group. See the Accounts Admin/Secure Mode section below for further information.

Log Out (Secure Mode only)
This menu item only appears while Veripress is in Secure Mode (see Accounts Admin/Secure mode for more information). Selecting Log Out while using Veripress in Secure Mode simultaneously logs out the current user and generates the Login window. At this point, the options available are to enter a username and password; Choose Server before login; and to Quit the Veripress Client.

While the Login window is displayed, the Veripress Client is effectively LOCKED to all users. The Server will continue to operate as normal.

Chatterbox
Chat to other users connected to the same Server. The Chatterbox window will display the Clients connected to the Server. If the user has entered a nickname in the System Settings, this name is displayed; otherwise the machine name is used. If the user's name cannot be selected, the user has selected the Away option and is not available.

Broadcast Message
This allows messages to be sent to all users connected with a Client to the same Server. Selecting the Broadcast option displays a message window to type into and send. The message is displayed on the users window for a short time and will automatically dismiss if it is not acknowledged by clicking OK.

Download PPD
This option downloads the Megarip PPD from the Server to the desired location. A chooser will appear to navigate to the location for saving the PPD file on the drive. This saves having to get the PPD off the disk. Use the PPD when installing a local printer. When installed, the Megarip PPD (Postscript Printer Description) is selected as the printer driver when setting up a Veripress Published Pagesetup as a print destination for third party applications (see Workbench – Pagesetup and the Publish to a Windows Printer sections for more information).

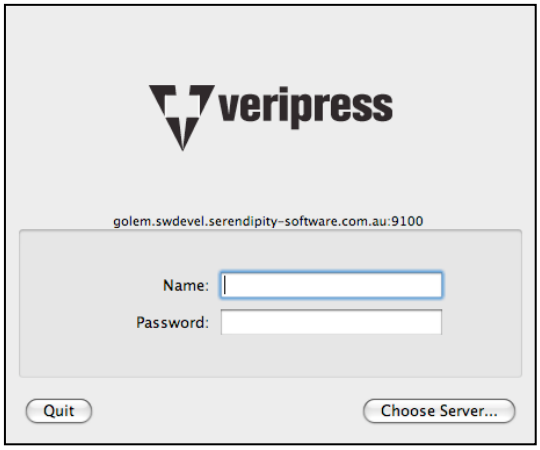
Accounts Admin / Secure Mode

Veripress gives users the option to login using Secure Mode, which allows the administrator to create accounts for users and groups, with each group configured to allow or deny its users access to particular applications and functions.

When Secure Mode is active, users are required to enter a username and password whenever the Client is started or users are changed. The username and password are both case sensitive.

The Accounts Admin menu option is selected in order to display the panels for configuring any Users and Groups and these should be created prior to activating Secure Mode.

The Log Out option only appears once Secure Mode has been activated. Selecting this while using Veripress in Secure Mode simultaneously logs the current user out and generates the Login window with options to login as a new user and select a Server to connect to, or Quit the application. While the Login window is displayed, the Client is effectively locked to all users. The Server will continue to operate normally.



Setting up Users and User Groups

Veripress' Secure Mode is set inactive by default. The software will continue to function normally whether or not Secure Mode is activated.

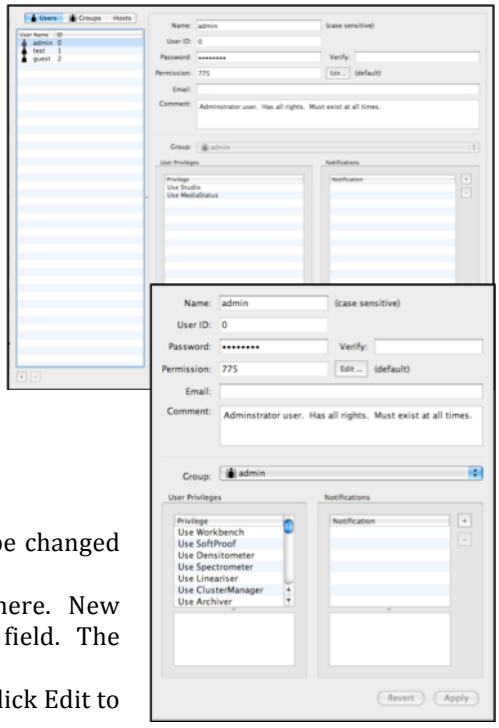
Important Note: It is recommended all users and groups requiring access be setup **BEFORE** activating Secure Mode. Secure Mode cannot be activated until at least one (1) user has been created. This would usually be the **Admin** account, as this is automatically created when the Accounts Admin option is selected for the first time.

1. Select Server Menu > Accounts Admin… to display the configuration panels.

Activating Secure Mode

Once the initial user account(s) have been setup, Secure Mode can be activated by checking the tick box located via Server menu > Server Settings (General tab).

Secure Mode can only be activated or deactivated by an administrator (a member of the Admin group).



Configuration Panels

Users Panel

The fields within the Users panel are:

- Name – The username of the account. This is case sensitive.
- User ID – This is a numerical ID assigned automatically but may be changed by the administrator.
- Password / Verify – The password is entered and stored here. New passwords must be verified by entering the details in each field. The password is also case sensitive.
- Permission – The level of permission for the user is created here. Click Edit to make changes to the user read/write/execute permissions.
- Email – Enter the users email address here.
- Comment – Allows the administrator to enter a note on the particular user account if necessary.

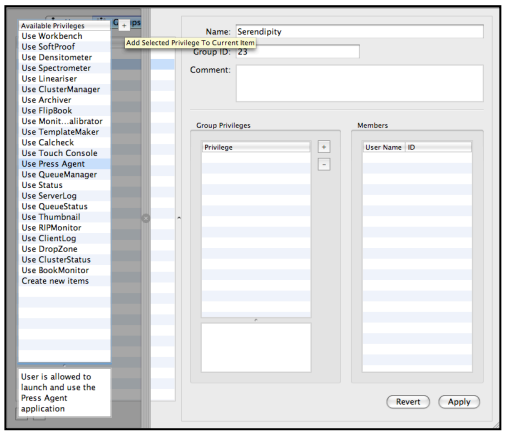
- Group (dropdown) – Assign a user group to the user account.
- User Privileges – Privileges other than those in the user's group can be added here.
- Notifications – Select which email notifications the user is to receive by clicking the + icon or remove any via the – icon. Notifications are available for Job Spooling failure, Job Autodetection failure, Job Imaging/Rendering failure, Job Printing failure, Dongle removal, Server Crash, Media Remaining warnings and Software Updates available.

To create a User:

1. Click the **+** icon in the bottom left of the window. To delete a user, click the **-** icon
2. Enter a username in the Name field.
3. Enter a User ID number or leave the default value.
4. Create a password for the user and verify the details. The password boxes will always display black dots irrespective of the length of your password.
5. Edit the permission level to the required access level.
6. Enter the user's email address (if notifications are required).
7. Add a comment against the user if necessary.
8. Assign a Group for the user.
9. Add any extra privileges to the user if required. This will only show privileges not included in the group selected for the user.
10. Add any notifications to the user if required.
11. Apply the changes or select Revert to cancel.

Groups Panel

An **admin** User and Group are created by default with access to all permissions and privileges when the Accounts Admin option is selected for the first time. **The admin user and group cannot be deleted**. It is recommended this be the only group with access to the Accounts Admin application.



The fields within the Groups panel are:

- Name – The name of the Group.
- Group ID – This is assigned automatically but may be changed by the administrator.
- Comment – Enter a note on the particular user group if necessary
- Group Privileges – This is a list of available privileges relating to functions within Veripress.
- Members – A list of Usernames and IDs belonging to the Group.

To create a Group:

1. Click the **+** icon in the bottom left of the window. To delete a group, click the **–** icon.
2. Enter a name in the Name field.
3. To add privileges, click the + icon in the Group Privileges panel. A list will appear to the left with all available items. To add, highlight the privilege and click the **+** icon at the top right of the window.
4. Once you have finished adding privileges, click the **X** in the middle of the right edge of the panel to close the window.
5. Click Apply to save any changes to the group or Revert to cancel.

Assigning Users to a Group

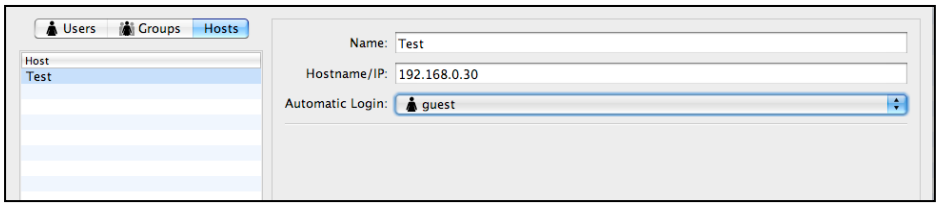
Users are assigned to the groups via the Users panel.

1. Once you have created the user group, click on the Users panel.
2. Select the User Name from the list of users.
3. Select the Group to assign the user to from the Groups dropdown menu.
4. Click Apply to save any changes or Revert to cancel.

Important Note: A user can only be assigned to one User Group at a time. If extra privileges are required, these must be assigned against the user via the Users panel.

Hosts Panel

The Hosts panel allows for the configuration of automatic Client logins for selected host computers or network IP addresses when using Secure Mode.

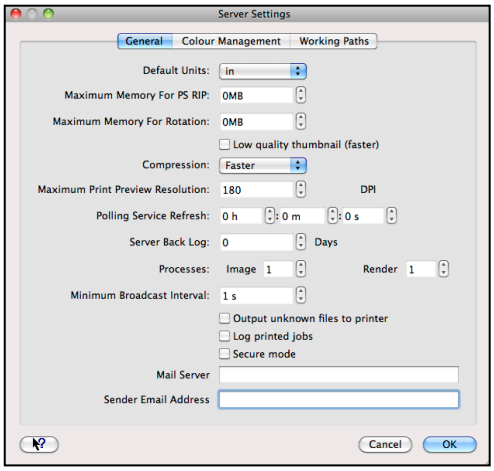


The fields available are:

- Name – Enter a name for the Host setup.
- Hostname/IP – Enter the Hostname or IP address of the computer the user will automatically connect to.
- Automatic Login – Disable or Select a User from the dropdown list. Only one user may be selected per Host setup.

Activating Secure Mode

Secure Mode should be activated ***after*** any users and/or groups have been created. Only an administrator or member of the **admin** group can activate or deactivate Secure Mode.



To activate:

1. Select Server menu > Server Settings.
2. Click on the General tab.
3. Tick the checkbox at the bottom of the screen – Secure mode – to activate or deactivate.
4. Click OK and close the settings when done.
5. If activating Secure Mode, a login window will appear as soon as you close the Server Settings.

If Email Notifications are setup for users:

- Enter the mail server details in the Mail Server field. This is the outgoing SMTP server.
- Enter the email address for the Sender (From) field of the email in the Sender Email Address field.

System Settings

The Systems Settings section contains default values and preferences configured for the Server and Client. The settings are split into two (2) different sections – **Server** and **Client**.

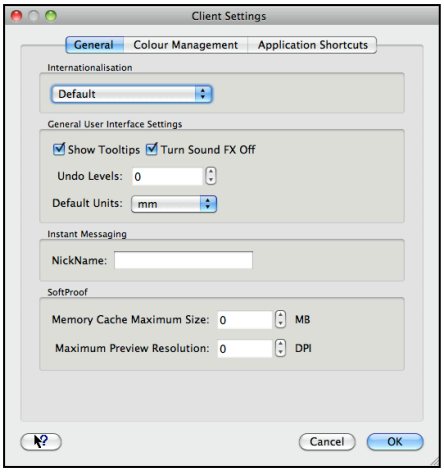
Access the **Client** Settings via the Application menu (Win) or Serendipity Client menu (Mac).

Access the **Server** Settings via the Server menu.

Client Settings

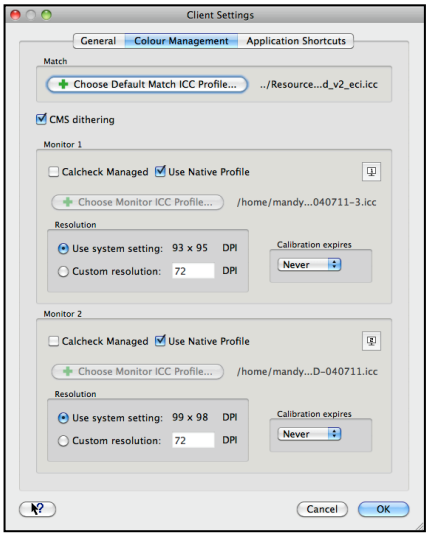
The Client settings are divided into three (3) tabbed categories: General, Colour Management and Working Paths.

General



- Internationalisation – Select your preferred language from those available. This displays all Client and log messages in the chosen language. The default is English. A restart is required if the language setting is changed.
- Show Tooltips – Enable or disable tooltips within the Client.
- Turn Sound FX Off – Check this to disable the sound effects. Sounds are used for things such as drag and drop, and error message alerts.
- Undo Levels – Set the number of levels for Undo. The default is zero (0), which means no restriction.
- Default Units – Set the measurement units used by the Client and all of the Applications/Modules.
- Instant Messaging Nickname – Enter a nickname to use when accessing the Chatterbox application.
- Memory Cache Maximum Size – Set the maximum cache size for the SoftProof application. The default is zero (0), where the Server chooses the default depending on system configuration.
- Maximum Preview Resolution – Set the maximum preview resolution for SoftProof for both Imaged and Rendered options. The default is zero (0), which is the full job resolution of the output file.

Colour Management



- Choose Default Match ICC Profile – Select a default match ICC profile for accurate display of CMYK data.
- CMS Dithering – Disabled by default. Use CMS Dithering for smoother results whenever conversion between 16 bits to 8 bits is required.
- Calcheck Managed – Enabling this will display the current calibration status of the selected monitor. When selected, there will be a small icon showing a green tick or a red cross. This icon is shown in the bottom right corner of the SoftProof window. Its status depends on the expiration time of the monitor calibration (as set below) and the Calcheck status.
- Use Native Profile – Enable this to use the operating system defined ICC profile for colour management. The Client will use the monitor profile as setup for the operating system, i.e., Mac OS will use what is in the Display Preferences Colour tab, Windows will use the Display Adapter Settings.
- Choose Monitor ICC Profile – Select a monitor ICC profile for the display the Client is running on. The profiles are used so any colour element viewed on the display is shown as accurately as possible. This includes SoftProof and any colour swatch. It is recommended the monitor be calibrated and set to the same match profile as is used for the softproofing Pagesetup.
- Resolution – Choose the default resolution to use for the monitors. This is used in SoftProof for calculating various fit methods. Options include:
    - Use System Settings – The Client will calculate the system's monitor resolution.
    - Custom Resolution – Specify your own resolution.
    - Calibration Expires – Set a reminder to popup when a calibration needs updating.

Additional Monitors

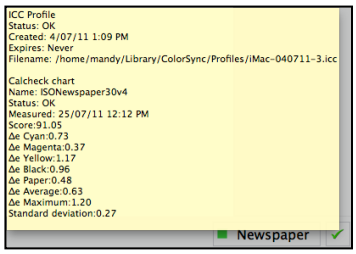
Specific settings may be set for each monitor when in a multi-monitor environment. The Client Settings will show additional sections with Monitor 2, Monitor 3 etc listed. To identify which monitor is which, press the monitor indicator button to display a graphic in the middle of the screen for the relevant monitor.

Calcheck Managed

The Calcheck Managed option (under Colour Management) constantly reports the calibration status of the monitor(s).

By enabling this option, a small, tick or cross icon will appear in the SoftProof window, giving the current calibration status of the monitor.

Hovering the mouse over the cross or tick will display profile information and status.



This is linked to the Monitor ICC selected in the System Settings, the time it was created with the Displays application and the expiration time set. If the monitor has been calibrated and the expiration time has not been reached, there will be a green tick displayed on the monitor. If the time has expired, there will be a red cross displayed.

Right clicking on the tick or cross will display extra options:

- Calibrate – Opens the Displays application and begins to calibrate. If the instrument previously selected is connected, calibration begins. Once calibrated, select an appropriate name and click OK. This will save the ICC to the chosen location. Select the ICC in the system settings and dismiss the Displays application.
- Calcheck monitor – Available when a Calcheck Chart is attached to the Press settings for SoftProof.

If either option – Calibrate or Calcheck Monitor – are selected, the previously used instrument (Spectrophotometer) is set as the default for the Displays and Calcheck applications to use for taking measurements. If this has changed since last use, an error may appear. Dismiss the error and adjust the selected instrument in the Displays application dropdown for the Calibrate and Calcheck sections. Close the Displays application and retry the option in SoftProof.

Calcheck Managed is also linked to the Calcheck application, where the status is saved to a Calcheck Chart and used when a job is opened in SoftProof.

When a Calcheck is run for the monitor, a Calcheck Chart is selected. The result is stored with the chart, which can be selected in a Press setting. If a job is viewed in SoftProof with that particular Press and Chart selected, the status of the proof being viewed is displayed. This condition lasts for the duration of the current life of the calibration. When a calibration expires, all Calcheck statuses need to be updated.

Application Shortcuts

This tab displays a list of the Applications and Modules for which keyboard shortcuts can be created.

Note: It is the responsibility of the user to check the created shortcuts do not conflict with any other Veripress, third party software, or operating system shortcuts/hotkeys.

To add a shortcut:

1. Highlight the selected application or module in the list.
2. Use the Edit option in the context menu (right click) or click in the Shortcut field to the right of the application/module name.
3. Type in the key or key combination for the shortcut and press Enter.

The shortcut will now appear in the Application menu of the Client.

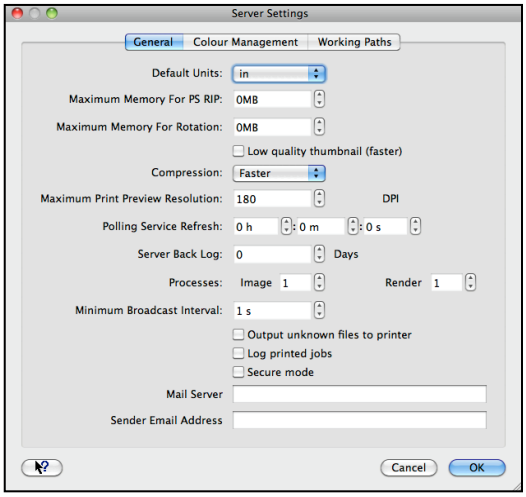
To remove a shortcut:

1. Highlight the selected application or module in the list.
2. Use the Clear option in the context menu (right click); or
3. Click in the Shortcut field and delete the shortcut.

Server Settings

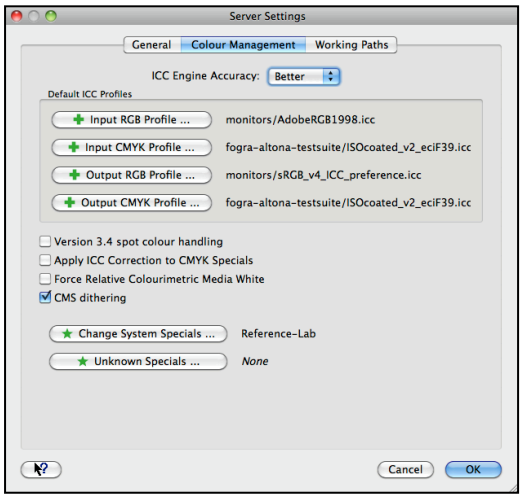
Server settings are saved to the Server and are common to all connected Clients. The Server settings are divided into three (3) tabbed categories – General, Colour Management and Working Paths.

General



- Default Units – Set the units used by the Server. Options are mm, cm, inches, points, picas, metres or feet. These units are used for Server related items and are not linked to the Client settings for Default Units.
- Maximum Memory for PS RIP – Set the maximum memory used by the Postscript RIP. The default is 0MB (which uses the internal default amount).
- Maximum Memory for Rotation – Set the maximum memory used for Rotation. The default is 0MB (Server chooses the default depending on system configuration).
- Low Quality Thumbnail – Selecting this produces a lower quality thumbnail. This is faster but some detail may be lost in the thumbnail.
- Compression – Control the compression for the intermediate file format (the Imaged file). Choices are Faster or Better. The default is Faster.
- Maximum Print Preview Resolution – Set the maximum resolution for the rendered preview. The default is 180dpi.
- Polling Service Refresh – Set the interval between poll service checks, i.e., how long between checks to see if any RIPs require polling. The default is 50 seconds if the times are left at 0.
- Server Back Log – Number of days to keep the log. Older days are trimmed when the Server starts. Zero (0) means the log will not be trimmed.
- Processes – Control the number of processes the machine will handle, i.e., the number of Imaging and Rendering tasks simultaneously run on the Server. The defaults are 1/1. Up to one imaging and rendering task can be set per CPU core the Server machine possesses. In practice, it is recommended the combined number of imaging and rendering tasks be set to no more than the number of cores. For example, 4 CPU cores = 2 Image/2 Render.
- Minimum Broadcast Interval – Set the interval between the Server sending out updates to connected Clients. The default interval is 2sec. High-end systems with good networking are able to set the interval to 0sec for slightly improved image/render times when processing large numbers of jobs. Sites using the Client remotely connected via the internet should set a longer polling interval of 10-20sec.
- Output Unknown Files to Printer – Output any unknown files direct to a printer. If this is unchecked, any unknown files will result in errors and will not be output.
- Log Printed Jobs – When enabled, this option will log completed print jobs in the Server log. The jobname and dimensions are noted.
- Secure Mode – Enable or disable Secure Mode.
- Mail Server – Enter the details of the mail server for error notification emails when using Secure Mode.
- Sender Email Address – Enter the details of the Sender (From) address for error notification emails.

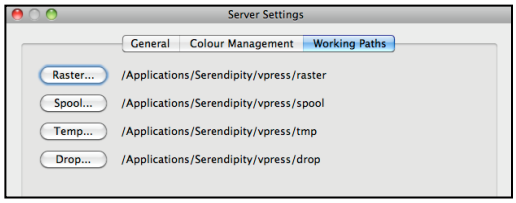
Colour Management



- ICC Engine Accuracy – Select Faster or Better, depending on preferences.
- Default ICC Profiles – Select the default ICC profiles used when first creating a new Pagesetup (Input profiles) and Media (Output profiles).
- Version 3.4 spot colour handling – This is a compatibility setting for users with Spot colour setups, upgraded from Versions v3.4 or earlier to get consistent results from spot jobs. It is recommended as a temporary setting only and setups should be recreated using the improved and more accurate (post v3.4) spot colour handling.
- Apply ICC Correction to CMYK Specials – Select this to apply ICC correction to CMYK Specials.
- Force Relative Colourimetric Media White – Various ICC profiling packages and some older ICC v2 profiles included an Lab value for media (paper) white in the Relative Colourimetric Intent LUT. This has the effect of printing a paper layer when printing with Relative Colourimetric rendering intent. When enabled, this option ignores the Lab value for paper in the Relative LUT, leaving paper white areas unprinted.
- CMS Dithering – Disabled by default. Use CMS Dithering for smoother results whenever conversion between 16 bits to 8 bits is required.
- Change System Specials – Select a default Special Colour Set for plate matching. This is used by the RIPMonitor and polling service for plate assigning. Colours in this set are automatically assigned in the RIPMonitor.
- Unknown Specials – Select a Special Colour Set (optional) to which unknown special/spot colours included in PDF or Postscript jobs can be automatically added.

Working Paths

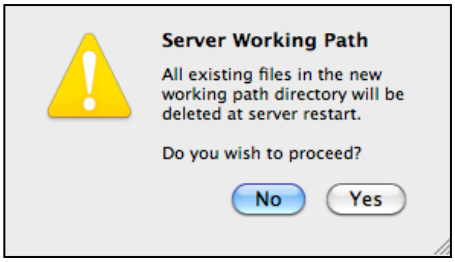
Working Paths lists the default location of the paths the Server uses to process jobs.



- Raster – Holds all the imaged, rendered and print jobs while they are live in the system.
- Spool – The location where the job is spooled prior to processing.
- Temp – After spooling, the job is moved to the temp directory where it is worked on.
- Drop – The default location for the DropFolders.

The Raster directory holds all jobs while they are in the system and as such, can be very large. If this is moved it needs to be placed on a disk with plenty of space. A Server restart is required if any paths are changed in order for the changes to take effect.

Important Note: All existing files in the new working path directory are deleted when the Server is restarted. Ensure the new working path directory has no essential data. A warning message will popup to confirm whether to proceed with the path change.



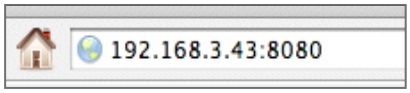
Web Server

The Veripress Server has a built-in web server. Accessed via a web browser, the Web Server provides status information about the Server and jobs currently in the system. It cannot be used for submitting or managing files in the system.

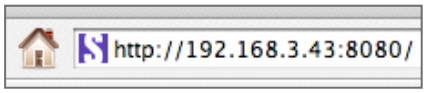
Accessing the Web Server

To connect to the Web Server:

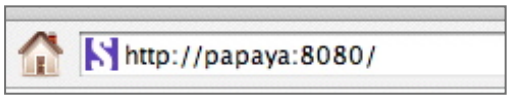
1. Enter the IP address or machine name (if using DNS) of the computer running the Server in the browser window, followed by a colon and the port number 8080. For e.g., 192.168.3.43:8080



2. Press Enter once the address has been typed in. When it connects, the browser address bar will look like this:



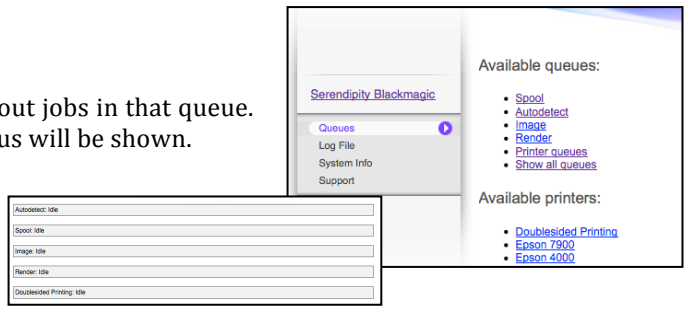
3. If you have a DNS Server, you can use the machine name instead:

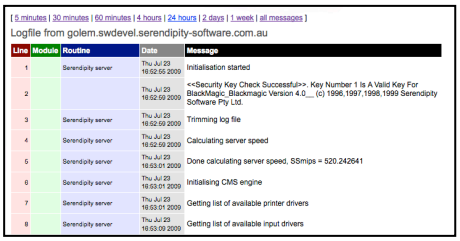


4. Once you are connected, the front page will appear with an options menu on the left:

- Queues – Shows all the queues configured on the Server you are connected to.
- Log file – View the log file.
- System info – Displays information about the system.
- Support – Shows various support options & information.

Queues – Click on any of the queues to get information about jobs in that queue. Information about the job, including name and current status will be shown.



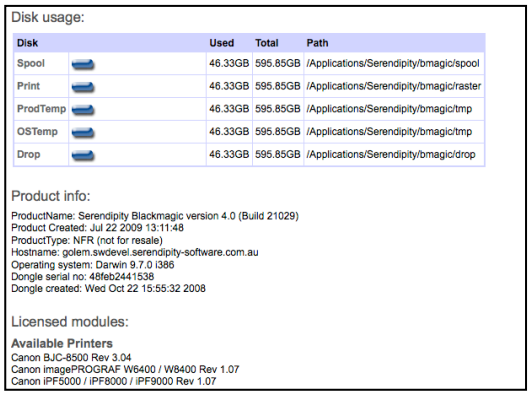


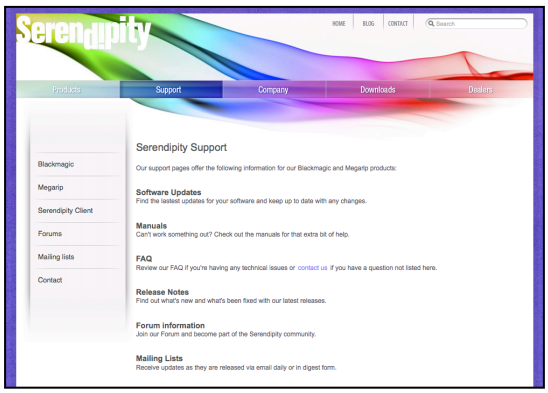
Log File – To view the log file, select the option from the list on the left.

From here, you can select a particular time period to fetch from the Server. Once viewed, you can print the file or save it to disk. The log can be printed, saved or exported from the browser.

System info – Choose this to display information about the system.

Product Info, Licensed Modules – available printers and input filters; and Available Destinations are shown.





Support – To access the Serendipity Support site, select this option from the menu. This is the same as if you accessed the Serendipity Software website directly.

From here, you can download databases, release notes, manuals, updates, tutorials, FAQs and other helpful information.

You will need to have an active Internet connection for access to the support website function.

Publishing a Pagesetup on Mac OS X (10.6.x)

Veripress Pagesetup's can be set up as a Mac OS X system printer destination to allow jobs to be easily submitted via the Print option of third party software or design packages.

Jobs going to a Published Pagesetup will be automatically sent for processing and colour management in Veripress, eliminating the need for dropfolders or manual file submission.

Note: Jobs processed via Veripress in this way must be in a file input format available to your Veripress version.

Installing the Serendipity Printer Drivers

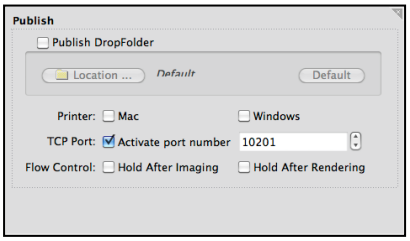
The first step when Publishing a Pagesetup for the first time is to install the Serendipity Printer Drivers for Mac OS X.

The installation package is located on the Veripress 5.3 Installation DVD:

3. Navigate to the **/drivers/mac** folder and run the file ***Serendipity Printer Drivers.pkg***
4. An installer window will appear. Follow the prompts to complete the installation of the drivers. The installer will require administrator access privileges.

Configuring a Pagesetup for Publishing as a TCP/IP System Printer

To configure a calibrated Pagesetup for Publishing:



1. In the Workbench, select the Pagesetup from the list of available data types.
2. Go to the Publish panel and enable the checkbox for TCP Port: Activate port number option.
3. Enter the TCP port number into the field and Save the Pagesetup.

Port Numbers

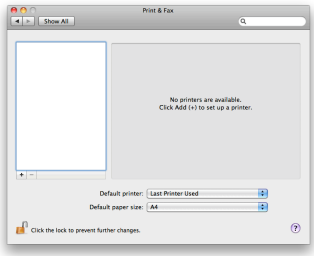
It is recommended that the port number assigned to a Pagesetup be a port over 10000 to avoid any conflict with the operating system or an existing application. Each Pagesetup to be published needs its own unique port number, for example, 10200, 10201, etc.

Media

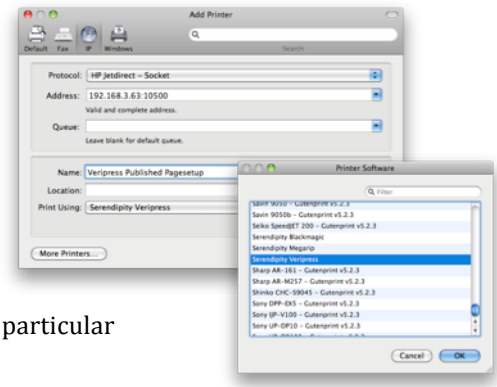
When submitting jobs to a Published Pagesetup, the default Media assigned to the Pagesetup is used. If you wish to publish to different media on the same Output, each Media required needs to be assigned to its own Pagesetup, with its own unique port number.

Creating a TCP/IP Mac OS X System Printer

A system printer needs to be created and configured on the Mac OS X computer that is running the Veripress Server.

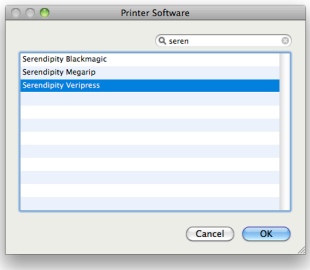


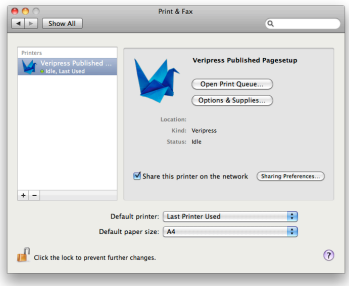
1. Open the System Preferences for the Mac OS X.
2. Choose Print & Fax.



3. Click the + icon at the bottom of the printer list panel to create a new printer.
4. Select the IP icon at the top of the Add Printer window.
5. Protocol – Select HP Jetdirect - Socket from the dropdown menu.
6. Address – Enter the TCP/IP address and port information for the printer setup in the following format: Computer IPaddress:PagesetupPortNumber (see image for example). The IP address for the printer should not be used.
7. Name – Enter the desired name for the printer. It should be easily recognisable as a Published Pagesetup and/or the particular Pagesetup being published.

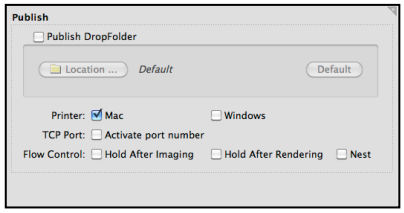
8. Print Using – Select Printer Software from the dropdown menu.
9. A list of available Mac OS X system printer drivers will popup.
10. Either scroll down the list and select Serendipity Veripress, or type "Serendipity" in the filter field and select Serendipity Veripress and click OK.
11. Click Add to add the new printer.
12. Set the published Pagesetup "Printer" as the system default and/or share the printer on the network as required.





Configuring a Pagesetup for Publishing as a Bonjour Printer

To configure the Pagesetup for Publishing:

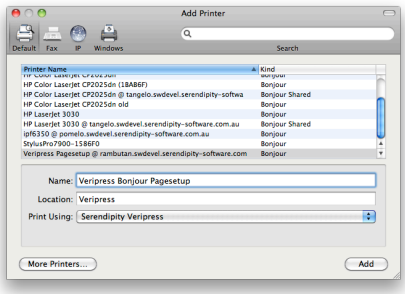


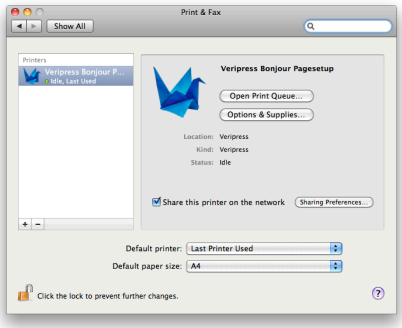
1. In the Workbench, select the Pagesetup to be Published from the list of available items.
2. Go to the Publish panel and enable the printer: Mac checkbox. This lists the Pagesetup in the Mac OS X system Bonjour destinations as "Pagesetup name @ computer name".
3. Save the Pagesetup configuration when done.

Creating a Bonjour System Printer for Mac OS X

A system printer needs to be created and configured on the Mac OS X computer running the Veripress Server.

1. Open the System Preferences for Mac OS X.
2. Choose Print & Fax.
3. Select the Default icon at the top of the Add Printer window.
4. Choose the Pagesetup from the Printer Name list. The Pagesetup will be listed as Kind: Bonjour and named "Pagesetup name @ computer name".
5. Print Using – If you have installed the Serendipity Printer Drivers, the Print Using field should auto-fill to show Serendipity Veripress.
    a. If the Serendipity Printer Drivers have not been installed, cancel the printer setup and install the drivers as per the above instructions.
    b. If the field does not auto-fill, choose Select Printer Software from the dropdown menu. A list of available Mac OS X system printer drivers will popup. Either scroll down the list and select Serendipity Veripress or type "Serendipity" in the filter field and select Serendipity Veripress. Click Add.
6. Name – Enter the desired name for the printer. It should be named to be easily recognisable as a Published Pagesetup and/or the particular Pagesetup being published.
7. Click Add to add the new printer.
8. Set the published Pagesetup "Printer" as the system default and/or share the printer on the network as required.





Publishing a Pagesetup on Windows 7

Veripress Pagesetup's can be set up as Windows system printer destinations to allow jobs to be easily submitted via the Print option of third party software or design packages.

Jobs printed to a Published Pagesetup will be automatically sent for processing and colour management in Veripress, eliminating the need for dropfolders or manual file submission.

Note: Jobs output via Veripress in this way must be in a file input format available to your Veripress version.

Megarip Printer Driver

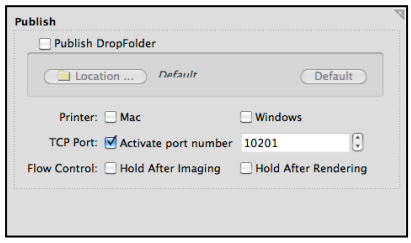
The first step before proceeding is to enable access to the **Megarip.inf** driver file. The Megarip printer driver is a proprietary Serendipity Software driver that Windows will use as the printer driver.

The file is located on the Serendipity Veripress installation DVD in the following directory:

/drivers/win/win_xp_vista_7/

Configuring the Pagesetup for Publishing as a System Printer

To configure a calibrated Pagesetup for Publishing:



- In the Workbench, select the Pagesetup from the list of available data types.
- Go to the Publish panel and enable the checkbox for TCP Port: Activate port number option.
- Enter the TCP port number into the field and Save the Pagesetup.

Port Numbers

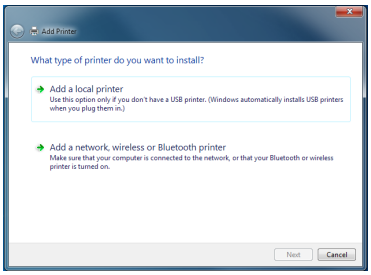
It is recommended that the port number assigned to a Pagesetup be a port over 10000 to avoid any conflict with the operating system or an existing application. Each Pagesetup to be published needs its own unique port number, for example, 10200, 10201, etc.

Media

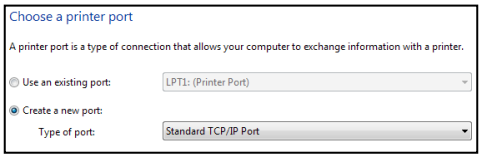
When submitting jobs to a Published Pagesetup, the default Media assigned to the Pagesetup is used. If you wish to publish to different media on the same printer, each Media required needs to be assigned to its own Pagesetup, with its own unique port number.

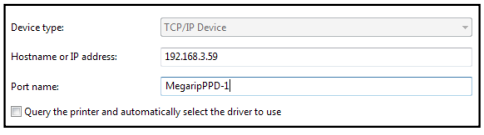
Creating a TCP/IP Windows System Printer

A system printer needs to be created and configured on the Windows computer that is running the Veripress Server.

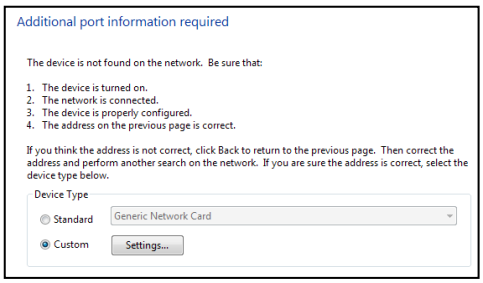


- Select Windows Start Menu > Devices and Printers.
- Click on Add Printer. The Add Printer wizard will appear.
- Select Add a Local Printer and click Next.
- Select Create a New Port and Standard TCP/IP Port from the Type of Port dropdown menu.
- Click Next.
- Type a Printer or Hostname Address:
    - Device Type – TCP/IP Device
    - Hostname or IP address – Enter the Network IP address of the Windows computer running the Veripress Server. (e.g., 192.168.3.59).
    - Port Name – Enter a name for the Windows port (this is NOT the printer name).
    - Uncheck the option to *Query the Printer and Automatically Select the Driver to Use.*

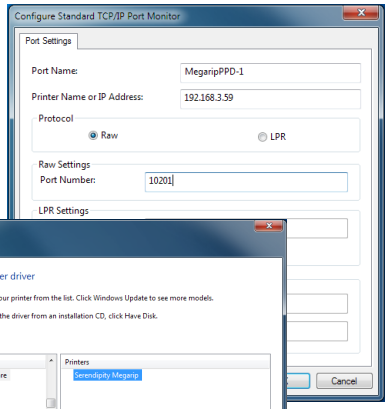




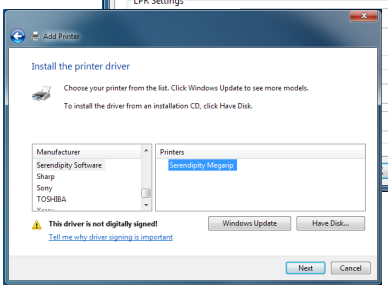
- Click Next.
- Additional Port Information Required:
  - Device Type – Custom.
  - Click the Settings button. A configuration window will appear.



- Configure Standard TCP/IP Port Monitor:
  - Protocol – Select Raw.
    - Raw Settings:
      - Port Number – Enter the unique TCP Port number assigned to the Pagesetup to be published, e.g., 10201.
      - Click OK. The window will close and return to the Additional Port Information window.
      - Click Next.

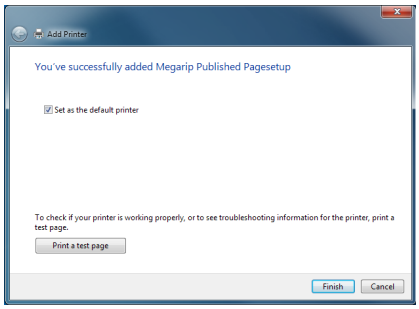


- Install the Printer Driver:
  - If this is the first time installing a Veripress system printer, insert the Veripress Installation DVD and select Have Disk.
  - Navigate to the /drivers/win/win_xp_vista_7/ directory.
  - Select the *Megarip.inf* file and click Open. The Serendipity Megarip driver should now be displayed.
  - Click Next.



Note: The above step can be skipped for any subsequent installs of Veripress system printers. The driver can be chosen from the Windows printer driver list.

- Which Version of the Driver do you want to use:
  - Select *Use the driver that is currently installed (recommended)* unless you are replacing an older installed version of the Serendipity Megarip driver.
  - Click Next.
- Type a Printer Name:
  - Enter a name for the printer. This is the name that will appear in the Windows Printers list and be available as a printer option when printing from Windows applications. The name should be unique for the Published Pagesetup.
  - Click Next.
- Printer Sharing:
  - Select *Share this printer so that others on your network can find and use it*.
  - Keep the default printer name or enter a share name.
  - Click Next.
- You've Successfully added "Printer Name":
  - Choose whether the Published Pagesetup destination is to be the default system printer.
  - If desired, click the *Print a Test Page* button. The test page job should appear in the Veripress QueueManager.
  - Click Finish to close the wizard.



Printing to a Published Pagesetup Printer across a Network

Printing from Mac OS X → Mac OS X, or Windows → Windows

Printing to a Published Pagesetup printer across a network where both computers (the machine sending the print and the machine running the Veripress Server) share a common operating system is straight forward.

If network sharing has been enabled for the system printer destination created for use with the Veripress Pagesetup, the printer will be available in the printer options of any other computer on the network.

Printing from Mac OS X → Windows, or Windows → Mac OS X

Printing from a computer on the same network, but with a different operating system to the computer running the Veripress Server requires the creation of a new system printer on the computer wishing to print to Veripress.

This is done by following the appropriate steps outlined previously for the relevant operating system.

The only alteration is when entering the TCP/IP address and the TCP port number:

1. Enter the network TCP/IP address of the *computer on which the Veripress Server is running*, i.e., the machine you wish to print to.
2. Enter the TCP Port Number assigned to the *Published Pagesetup you wish to print to*.

Troubleshooting

Clustering

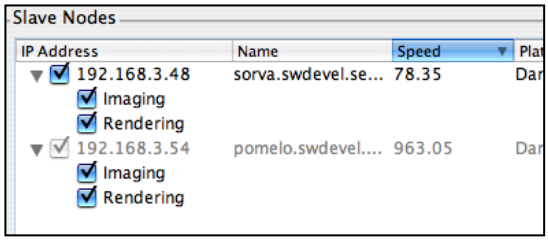
Here are some suggestions of where to look if you run into trouble and experience problems when using a Cluster.

Jobs Not Processing Through a Cluster Node

The possible reasons for this are:

- The Cluster Node is not configured to image, render or both. Check the ClusterStatus to see if either of the processing tasks have been disabled. To enable them, open the Clustering Application and enable the appropriate task.
- The Cluster Node has a Processing Pool attached and the Pagesetup you are submitting jobs to is not contained within the Pool. You can either unselect the Pool or add the Pagesetup to the Pagesetup Pool.
- The Cluster Node has gone offline. To check, open the Clustering Application and check the node. If the Clustering Application is already open, click the Refresh button. This will check for node status. If the node appears grayed out or disabled, this indicates the node is not currently online.

Here the Cluster Node called "pomelo" is currently offline. In this case, you would check the node server is up, the machine is still connected to the network and can see the Master. If there is a problem with the node, check the error log. One the problem is resolved, click the Refresh button or close and reopen the Clustering Application.



- The Node and Master are different versions. The node should always be upgraded when the Master is to maintain the same versions in a Cluster.

Cluster Nodes Errors Log

The Cluster Nodes create an error log, which logs all the messages from the node. This is located in the Veripress installation directory on the node's own machine and is called "*errors.log*". This can be viewed with a normal text editor and can help to track a problem, or it can be sent to support for assistance in tracing a problem.

A Node Cannot Be Found

Once you have started your node successfully, you should be able to see it in the Clustering Application. If not, you need to add the node manually. If this fails, there are a few things to check:

- Verify the node is still running and the clock is still counting up.
- Check the error log for any messages.
- Check that the Master machine can ping the node machine. If not, there may be a network issue and you will need to contact your network administrator for assistance.
- Check the ports on the machines are open for the node to connect to the Master and they are not being used by anything else. The port numbers for the node are as follows:
    - 9103/tcp – Server connects here and submits jobs via this port.
    - 9103/udp – Listens to broadcasts so the Server can enumerate available Node Servers.
- Make sure the node is the same version as the Master. Nodes (Veripress Slaves) should always be upgraded at the same time as the Master.

Glossary

Client – GUI that monitors jobs and allows configuration of the Server.

Clustering – The use of multiple machines on a network for distributed processing.

CMM – Colour Management Module.

CRT – Cathode Ray Tube. Describes the type of monitor.

CTP – Computer to Plate.

CUPS – Common UNIX Printing System.

Data Types – Database groups such as Pagesetups or RIPs etc.

DPI – Dots Per Inch (resolution).

EPS – Encapsulated Postscript File.

FTP – File Transfer Protocol – Method for copying files between computers across networks.

GUI – Graphical User Interface.

ICC – International Color Consortium.

ICC Profile – A colour lookup table used for converting colour of a job from one device to another.

LAN – Local Area Network.

LCD – Liquid Crystal Display.

LPI – Lines Per Inch (Screen Ruling).

Master – A Master Server, controlling Slave nodes in a Clustering environment.

QueueManager – Client module that displays job queues and jobs in those queues.

QueueStatus – Monitors the progress of a job through the system.

Real Density – Colour content of a patch as measured.

RIP – Raster Image Processor.

Server – Software module that handles the processing of jobs.

Slave (Node) – A separate processing node on the network. Used for processing jobs by a Master.

TCP/IP – Transmission Control Protocol / Internet Protocol.

Visual Density – The darkness of the patch measured (how much light is absorbed). The more light absorbed, the darker the Visual Density.

WAN – Wide Area Network.

Workbench – Client application used to configure the Server.

YN – Yule Nielsen Number.

Yule Nielsen Number – A “fudge factor” used when calculating % tint (dot area) from density readings.

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END OF TERMS AND CONDITIONS

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