

# Serendipity

software

Megarip

Detailed Product Information

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# What is Serendipity Megarip (Overview of the software)

## Target markets

Sign & Display, Photography & Fine Art, Screen Printing, Textile & Apparel, POS, Print on Demand.

## Key functionality

Megarip is a software RIP and colour management system built for photographers, designers and print professionals who need consistent, high-quality prints from desktop to grand format inkjet printers.

Full details on features of the product can be found on the Serendipity Software website:

<https://www.serendipity-software.com.au/products/megarip>

Highlights include:

- ICC v4.2 compliant colour management system with true 16-bit processing.
- Accepts files in a wide range of formats including TIFF, JPEG, PNG, Photoshop PSD, PDF and postscript.
- Submit or preview files straight from your desktop with integrated menu options, using drop folders, or directly from design software.
- Jobtickets control colour, size, effects and other print options across one or more printers.
- Display, monitor and manage your jobs during processing and printing.
- Automatic Nesting intelligently arranges jobs minimise media waste.
- Place images and plan print layouts with the powerful and easy to use Studio application.
- 'Canvas Wrap' prints any image ready for professional mounting. Tiling creates billboards of any size.
- Screen Print mode automatically separates files into individual process and spot ink plates for film printing.
- Load Balancing efficiently manages print output across multiple printers.
- Server/Client based system supporting an unlimited number of local or networked clients at no additional cost (excluding Megarip C5).
- Download printer presets via a built-in Media Catalogue to get you up and printing fast.
- Backup database configurations automatically.
- Unlimited printer output.

## Main User Interface

There are two (2) applications to run – a Server, and a Client Interface.

The **Server** application runs on a networked computer and is protected by a security dongle. This licenses the software and available input/output drivers. The Server must be running for the software to function. The USB dongle must be connected locally. Running the software in a virtual machine environment is not supported.

The **Serendipity Client** is where all configuration takes place for printer/output setup, file processing requirements, colour management, ICC profiles, paper profiles etc. Jobs are also submitted, monitored and managed via the Client interface. The Client provides access to the Server and allows it to be configured.

The **Workbench**, an application within the Client, contains the configuration databases – Media settings, Output driver setup, Pagesetup details, Jobticket information, Paper Profiles etc. It is used as the hub for configuration of all job processing requirements.

There are various applications and modules available to assist in managing and maintaining the workflow. Full details on all can be found in the Megarip product manual.

<https://www.serendipity-software.com.au/support/download/megarip/manuals>

The manual is also available via the Megarip Client, Help menu.

\*Megarip C5 has its own client interface. See the Megarip C5 section for information.

## What is the software configuration?

### Main application, version, plug-in, options

The current version is 7.1.02 (as at 18<sup>th</sup> January 2019).

The software has a Server & Client configuration. Once the Server is running, there is no limit as to the number of Clients that can connect and run. The software is not sold on a “per seat/per user” basis (Megarip C5 excluded).

Cluster node Servers can be purchased and added seamlessly to the network for extremely high volume processing. (Megarip C5 excluded).

The Server application runs on a network computer and is protected by a security dongle. The dongle licenses the level of software and the input filters & output drivers purchased. The software cannot be run without a valid dongle.

The Serendipity 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.

Products available: <https://www.serendipity-software.com.au/products/megarip>

## What are the available product packages?

### **MEGARIP PRO**

Unlimited output size.

Default input drivers: TIFF, JPEG, PNG, Scitex CT, Adobe Photoshop PSD, Serendipity Blackmagic Image, Postscript Level 3 RIP - PS, EPS, PDF.

Default output drivers: HTML, JPEG, PDF, Photoshop EPS - JPEG, PNG, Postscript, Scitex CT, Serendipity Blackmagic Image, TIFF.

The customer can choose (with purchase):

One (1) output driver suite from the supported drivers.

**MEGARIP PRO A1 and A2 are also available with the same access as PRO except:**

PRO A1 – Output limited to 24in width, unlimited length.

PRO A2 – Output limited to 17.24in width, unlimited length.

### **MEGARIP SCREENPRINT**

Unlimited output size.

Default input drivers: TIFF, JPEG, PNG, Scitex CT, Adobe Photoshop PSD, Serendipity Blackmagic Image, Postscript Level 3 RIP - PS, EPS, PDF.

Default output drivers: HTML, JPEG, PDF, Photoshop EPS - JPEG, PNG, Postscript, Scitex CT, Serendipity Blackmagic Image, TIFF.

The customer can choose (with purchase):

One (1) output driver suite from the supported drivers.

\*Screenprint edition is specifically designed for producing film separations.

### **MEGARIP RASTER EDITION**

Unlimited output size.

Default input drivers include: TIFF, JPEG, PNG, Scitex CT, Adobe Photoshop PSD, Serendipity Blackmagic Image.

Default output drivers: HTML, JPEG, PDF, Photoshop EPS - JPEG, PNG, Postscript, Scitex CT, Serendipity Blackmagic Image, TIFF.

The customer can choose (with purchase):

One (1) output driver suite from the supported drivers.

**MEGARIP RASTER EDITION A1 AND A2 are also available with the same access as RASTER except:**

RASTER A1 – Output limited to 24in width, unlimited length.

RASTER A2 – Output limited to 17.24in width, unlimited length.

There are various applications and modules available to assist in job processing and colour management. The applications and modules are included in the software and a customer does not have to purchase any separately.

Megarip applications include: Archives, Calcheck, Clustering, Densitometer, Displays, FlipBook, Lineariser, Monitor, SoftProof, Spectro, Studio, Workbench.

Megarip modules include: ClientLog, ClusterStatus, DropZone, MediaStatus, QueueManager, QueueStatus, ServerLog, Status, Thumbnail.

Full details on all applications and modules is available in the product manual.

<https://www.serendipity-software.com.au/support/download/megarip/manuals>

## **MEGARIP C5**

Megarip C5 is made for freelance photographers and designers, and focuses the power and features of Megarip Pro into a streamlined single user package.

Unlimited output size.

Default input drivers include: TIFF, JPEG, PNG, Scitex CT, Adobe Photoshop PSD, Serendipity Blackmagic Image, Postscript Level 3 RIP - PS, EPS, PDF.

Default output drivers: HTML, JPEG, PDF, Photoshop EPS - JPEG, PNG, Postscript, Scitex CT, Serendipity Blackmagic Image, TIFF.

The customer can choose (with purchase):

One (1) output driver suite from the supported drivers.

### **C5 Functionality:**

Megarip C5 has its own Client interface.

C5 is a single client connection, set up with pre-configured “Media Packs”.

C5 Media Packs contain the software components and printer settings allowing C5 to run compatible printers. The packs include calibrated paper profiles, linearisation data, and output ICC colour profiles, tailored for individual printer papers and media.

Media Packs are available for download via the Media Library tab within the C5 Client, or via a Dealer.

\*Jobtickets are not available when using C5. Cluster node Servers are not available with C5.

## **Megarip C5 contains:**

Studio application for manual layout and nesting of jobs.

Drop Area for drag & drop job processing.

Job monitoring features, including soft proofing.

Printer setup and configuration, including linearisation.

Media Library to store pre-configured printer setups.

Displays panel to configure attached monitors.

Server information – logs and dongle information.

Further information can be found within the C5 product manual.

## **Supported printers**

### **Which printer and output drivers are supported?**

Serendipity Software offer printer drivers for the following manufacturers:

Canon, CET Color, Durst, Encad, Epson, Fujifilm, HP, HP Scitex, Inca, Mimaki, Mutoh, Oce, Roland, Techsage, Teckwin, Vutek.

All printers currently supported by the latest version (7.1) are listed here:

<https://www.serendipity-software.com.au/products/technical-specifications/megarip/output-drivers>

A PDF is also available, listing all drivers and is updated regularly:

[https://www.serendipity-software.com.au/FTP/pdf/Serendipity\\_Software\\_Supported\\_Devices.pdf](https://www.serendipity-software.com.au/FTP/pdf/Serendipity_Software_Supported_Devices.pdf)

### **How many printers are supported with 1-license?**

When a customer purchases a Megarip product, they are entitled to select one (1) printer driver suite as part of the package (E.G. Canon). This includes all supported printer drivers for that brand at the time of the software release and any added in subsequent maintenance updates for that version.

When using the software, a customer is only limited by how many printers of their specific brand they use.

If a different brand of printer is required, an additional output driver can be purchased.

## Supported Operating Systems

### **Windows/Mac versions. Other?**

Windows, macOS and Linux operating systems are supported. The software can be run across a combination of operating systems if required.

System requirements are located here and apply to the most current version of the software:

<https://www.serendipity-software.com.au/products/system-requirements>

The system requirements are updated when necessary.

Serendipity Software will always test and confirm a new OS is supported before updating the website with information.

Serendipity Software always recommend anyone with an existing installation checks what is supported prior to upgrading their OS or hardware.

### **Specific parent application is needed?**

Megarip only requires its Server and Client be running for job processing to commence.

## Supported languages

The software supports five (5) languages for translation of interface:

English, English (USA), Chinese, German, Japanese

## How is the Software Packaged?

### **How is the software made available?**

The software for a new customer comes packaged in a box with one (1) installation DVD, one (1) security dongle to run the software, and the Serendipity Software warranty terms and conditions.

Once installed, an activation code for the dongle is required and requested from Serendipity Software directly or via the Dealer.

For upgrades, the software is made available via:

- automatic download and installation via the Megarip software, or
- downloadable via the Serendipity Software website for manual installation.

<https://www.serendipity-software.com.au/support/download/megarip/software>



## **External appearance (Physical package? Digital code only?)**

The boxed software:

<https://www.serendipity-software.com.au/img/megarip-box.png>

## **How is the software updated?**

### **What will the update do? (Bug fix?, Adding printers?)**

Serendipity Software regularly release point releases, e.g. 7.X.Y, where X is a minor software upgrade or new features and enhancements, and Y is a maintenance release or bug fixes.

The updates can contain anything from a fix of a minor bug to adding a printer driver.

The release notes for each update are available on the Serendipity Software website (if not viewing and updating via the software updater application):

[https://www.serendipity-software.com.au/support/download/megarip/release\\_notes](https://www.serendipity-software.com.au/support/download/megarip/release_notes)

### **How is the update accessed?**

Maintenance/Enhancement Updates can be accessed via the software for download and automatic installation, or they can be manually downloaded and installed via the Serendipity Software support website. All files required for updating existing installations of the software are made available:

<https://www.serendipity-software.com.au/support/download/megarip/updates>

(Existing installation, manual update of maintenance release)

### **Is the update Free of Charge or does the user have to pay?**

As per the Serendipity Software product warranty, a NEW customer with a NEW, original product purchase is entitled to one (1) year/12 months free access to minor software upgrades for their version from the date of original purchase and activation. This includes any point releases (as listed above - 7.X.Y).

If the customer is outside of the warranty period, a software upgrade can be purchased which will cover them for a further 12 month period and allow access to the current version, including any maintenance updates.

An upgrade code is required for the dongle in order to access a new version of software if an upgrade is purchased.

Full warranty terms and conditions can be viewed here:

<https://www.serendipity-software.com.au/legal>

A major software upgrade (e.g. Version 7 to 8) is not included in the free updates. See the warranty for a full outline of a Major Software Upgrade and policy.

## Technical support

### Support levels

First Level Support:

Contact your local Dealer or distributor as per any support agreement you may have in place.

Second Level Support:

Serendipity Software Support can be contacted via email, phone, or skype.

Contact information is here: <https://www.serendipity-software.com.au/contact>

Email: [support@serendipity-software.com.au](mailto:support@serendipity-software.com.au)

### Basic support policy

Customers of Serendipity Software are able to contact us for support at any time.

## Where and how to get the software solution/RIP

### New Customer or an Existing customer?

New customers are provided with a packaged product and security dongle via their Dealer.

The software is also available (in full, excluding dongle) for downloading via the Serendipity Software website:

<https://www.serendipity-software.com.au/support/download/megarip>

This can be used for a new installation or an existing upgrade. The software will not function without a valid dongle.

**IMPORTANT:** The website download does not include any HTM / Printer Screening drivers. These must be downloaded and installed via the Serendipity Updater application once the software is installed.

### Case by case for each printer?

Printer drivers are enabled via the dongle.

As listed above, when installing the software, the drivers for Printer's Screening must be downloaded separately via the Serendipity Updater application.

All other purchased/licensed drivers will appear for the customer when the software is run.

## Sales support

### **Contacts for sales support, and how to contact (via email? via telephone?)**

Serendipity sell via authorised Dealers/Distributors.

The Serendipity website lists any current contacts:

<https://www.serendipity-software.com.au/where-to-buy>

If a dealer is not available in your area, contact Serendipity directly for assistance.

For any **international locations** not listed by Serendipity, Sandstone Software may be contacted.

Robert Murphy (CEO) at Sandstone Software.

Email: [murphyrw@sandstonesoftware.com.au](mailto:murphyrw@sandstonesoftware.com.au)

## Latest product information

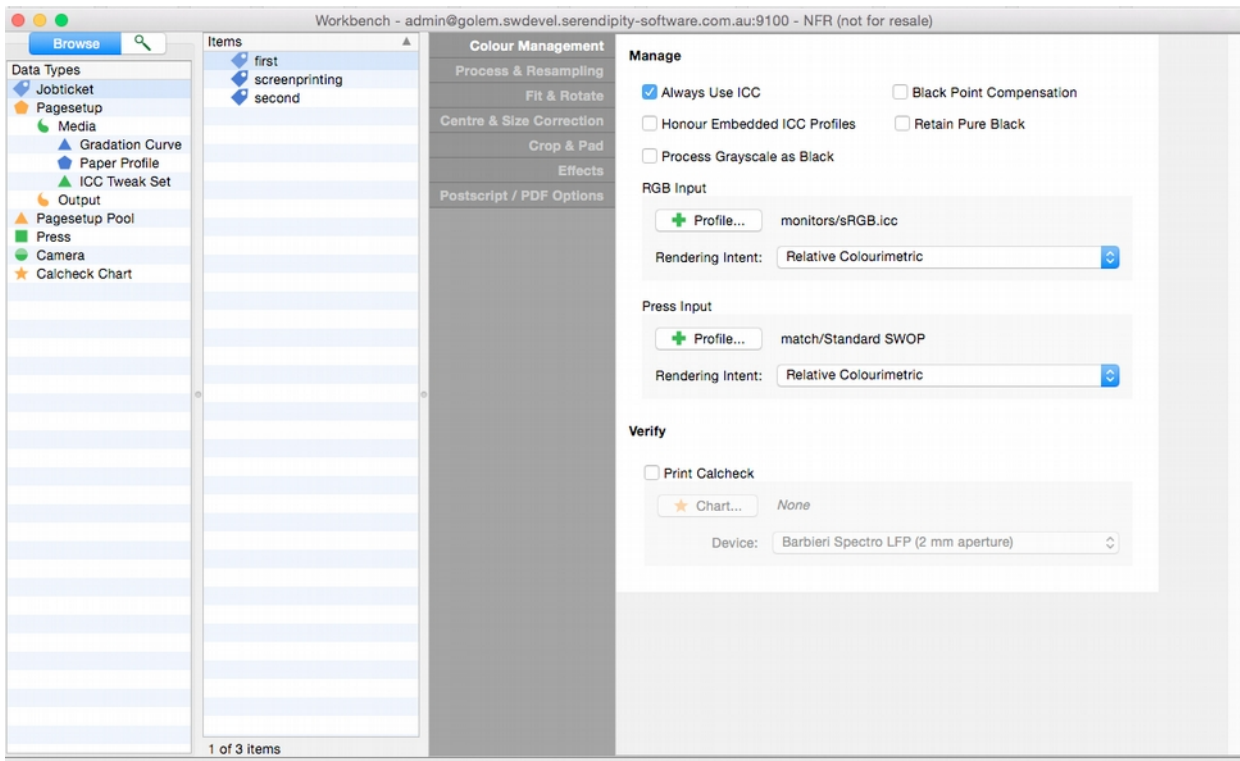
### **How to get the latest product information?**

Product information is available on the Serendipity Software website, or any specific questions can be sent to the Dealer or Serendipity Software directly.

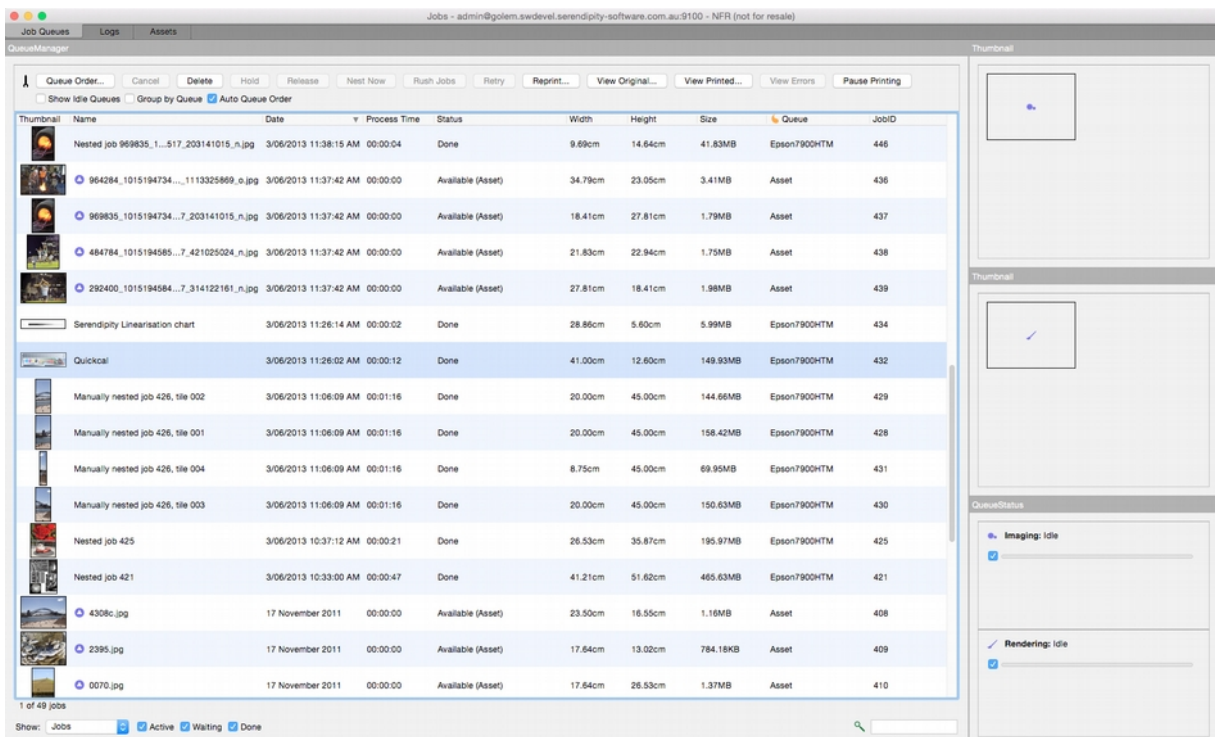
<https://www.serendipity-software.com.au/products/megarip>

# Appendix – Screenshots of the Product Interface

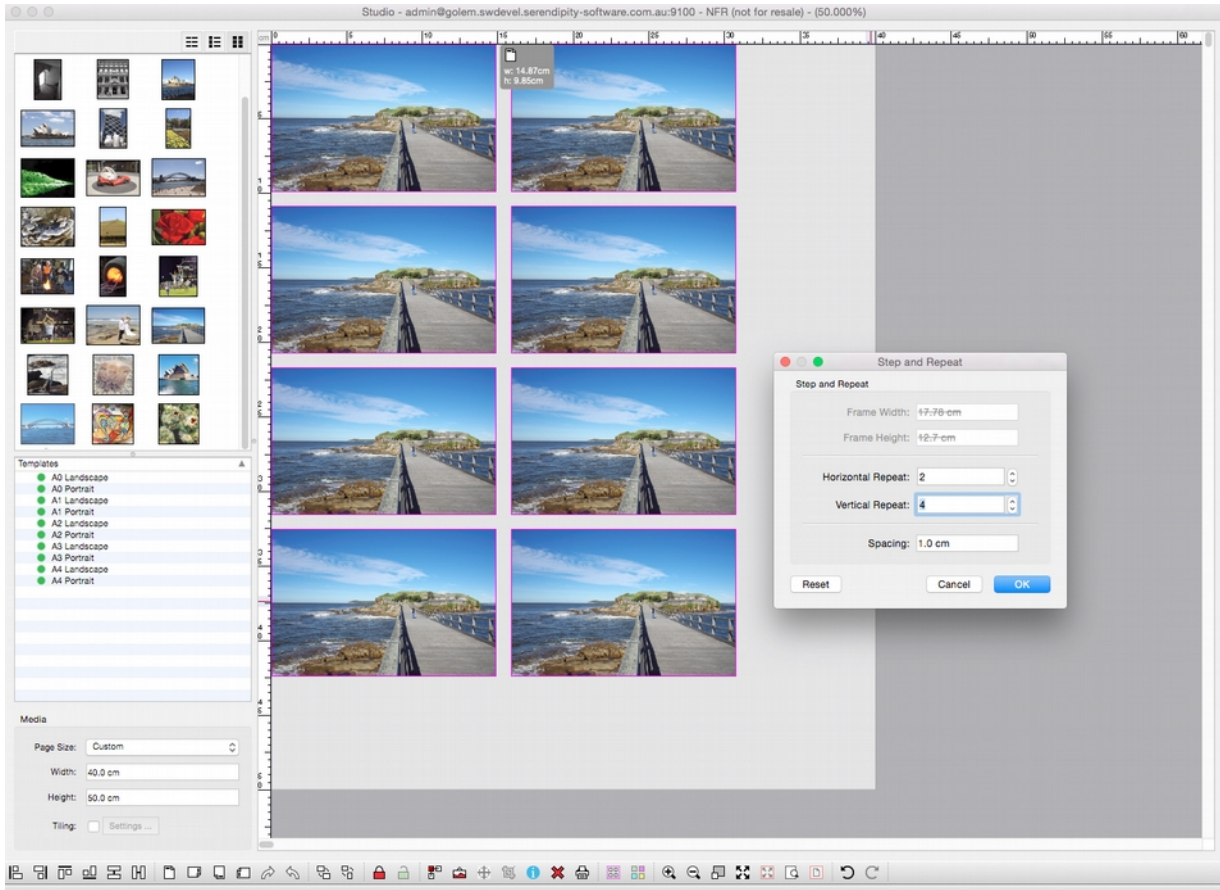
## Serendipity Client Interface (Samples)



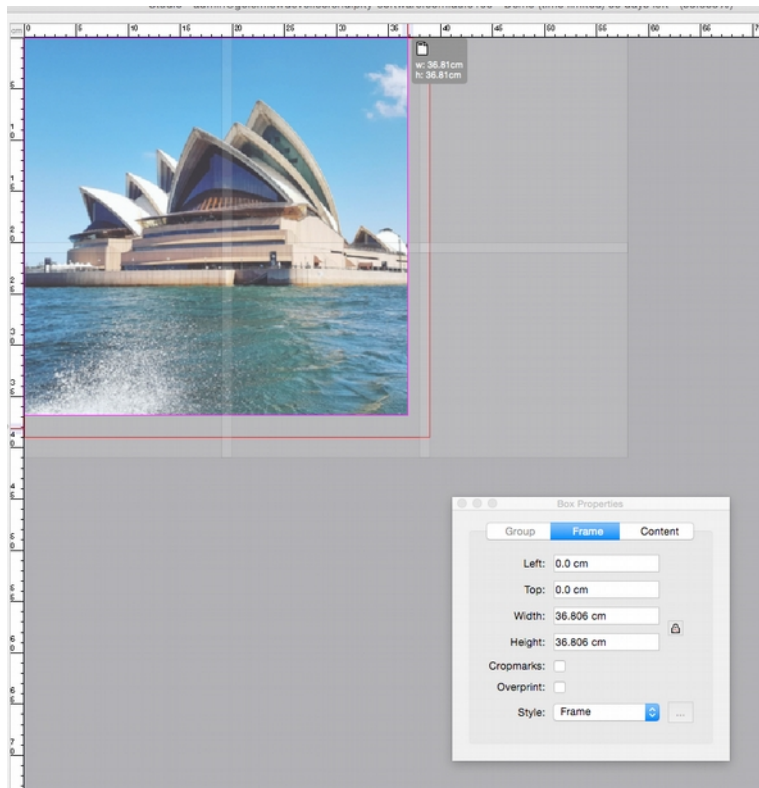
Workbench application – Configuration hub for all job processing and output requirements



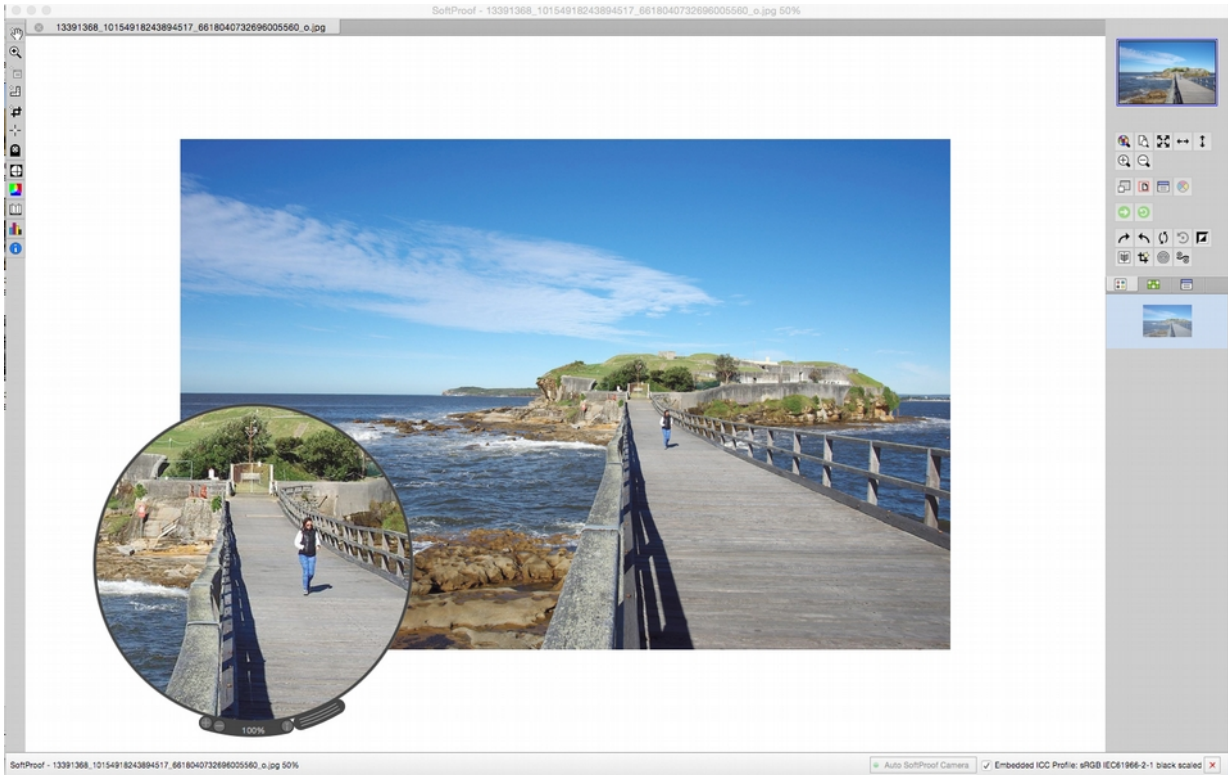
Jobs application – Monitor and manage jobs as they pass through the system



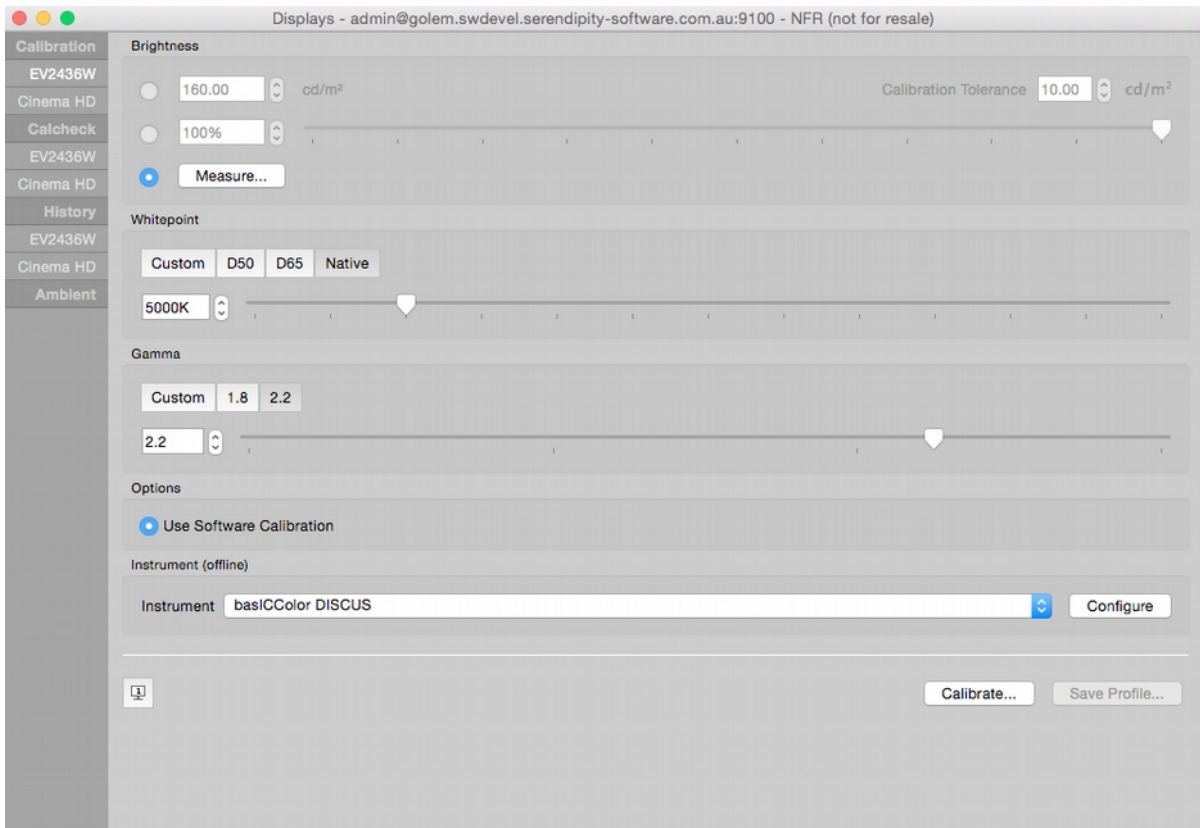
application – Manually layout images; create billboards, canvas wraps and step & repeat images



Studio application – Tiling function – Define the paper (media) size and document size for tiling, place the image and submit to print. Tiling Overlap values can be defined.



*SoftProof application – Use the virtual loupe to zoom in on specific areas, or view at full, print size.*



*Displays application – Calibrate any connected monitors for accurate colour previews*

Lineariser application – Keep your printer in a linear state to ensure consistent prints

The screenshot shows the Lineariser application interface. At the top, there are buttons for 'Customise Patches...', 'Use Lab', 'Measure Patches', 'Submit Linearisation', and 'Reset Linearisation'. Below this is a list of 'Available Media' including various printer models and paper types. The main area displays a 'Curve Name' of 'Epson7900HTM-Proofing-720x720' and a 'Last Linearised' timestamp of '14/05/2009 12:04 PM'. A density chart shows four curves (A, B, C, D) plotted against density values from 0% to 100%. Below the chart is an 'Advanced Options' section with a table for 'Yule Nielsen Number' and 'Max Density Override' for Cyan, Magenta, Yellow, and Black. A 'Densitometer (offline)' section includes fields for 'CMYK text file (CMYK sample order)' and 'Instrument Default Density Standard'. A 'Curves' section at the bottom right shows a graph of the curves.

Curve	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
A	0.035	0.084	0.131	0.182	0.236	0.294	0.351	0.412	0.48	0.554	0.636	0.699	0.774	0.873	0.986	1.111	1.261	1.428	1.622	1.797	1.941
B	0.032	0.063	0.095	0.129	0.166	0.207	0.25	0.293	0.345	0.39	0.431	0.473	0.523	0.577	0.648	0.724	0.835	0.977	1.145	1.327	1.599
C	0.04	0.079	0.124	0.166	0.213	0.258	0.301	0.353	0.404	0.464	0.528	0.579	0.63	0.687	0.756	0.815	0.901	0.969	1.059	1.163	1.272
D	0.035	0.094	0.149	0.197	0.253	0.313	0.376	0.437	0.516	0.596	0.678	0.768	0.87	0.978	1.106	1.219	1.377	1.541	1.704	1.873	2.297

Paper Profiles & Ink Control

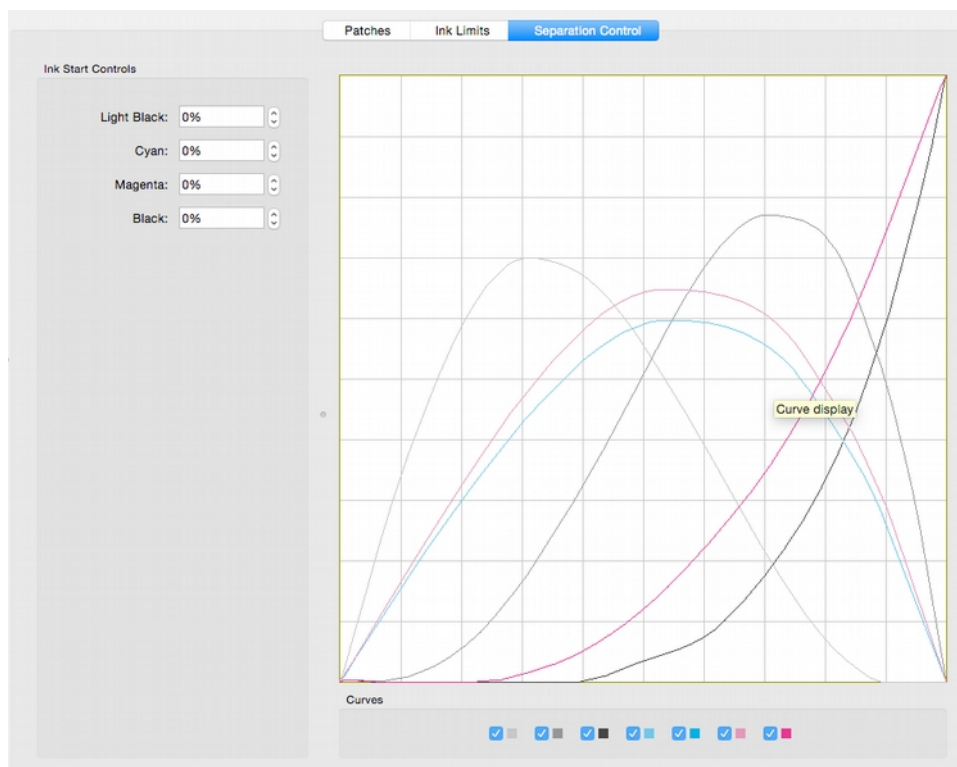
The screenshot shows the Paper Profiles & Ink Control application interface. At the top, there are buttons for 'Measure Patches', 'Change Media', 'Print Density Chart', 'Print Density Chart (All Patches)', and 'Print Inklimit Chart'. Below this is a 'Patches' section with a grid of color patches and their corresponding L\* values. The 'Ink Limits' section shows sliders for 'Single Ink' through 'Eight Ink' and an 'Algorithm' dropdown set to 'Linear 4.0'. The 'Media Information' section displays various settings for 'Premium Luster Photo Paper (260)', including 'Paper source', 'Sheet size', 'Output Method', and 'Ink Set'.

Color	1	2	3	4
Light Cyan	L: 96.13	L: 74.50	L: 61.89	L: 52.07
Cyan	L: 96.11	L: 56.72	L: 42.46	L: 32.69
Light Magenta	L: 96.06	L: 80.40	L: 69.25	L: 60.82
Magenta	L: 96.04	L: 61.36	L: 50.72	L: 45.46
Yellow	L: 96.14	L: 91.01	L: 80.07	L: 68.09

Patch selection

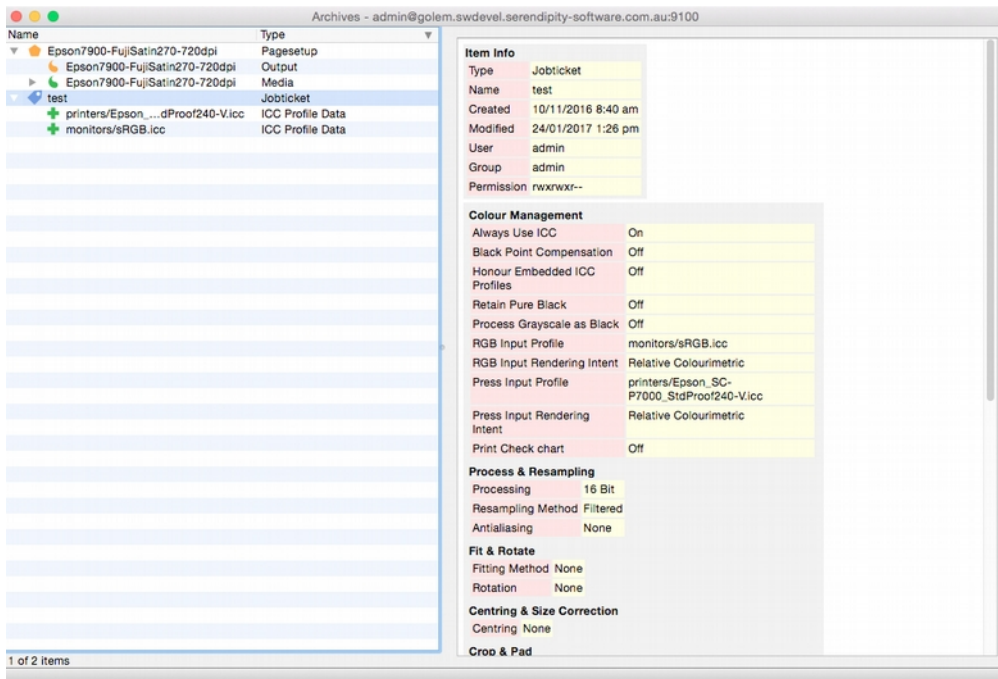
Paper Profiles –

*Paper Profiles – Ink Limiting*



*Paper Profiles – Separation control*

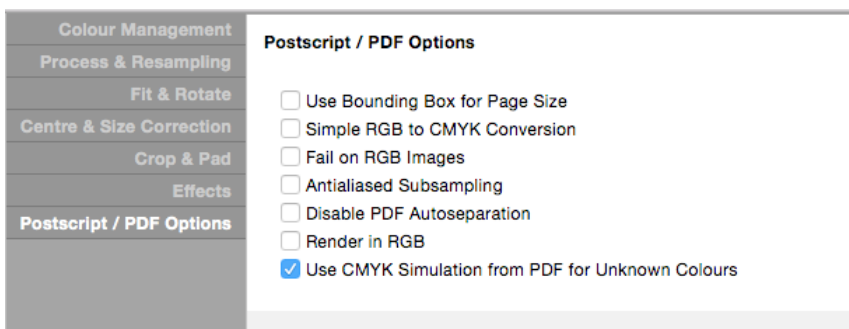
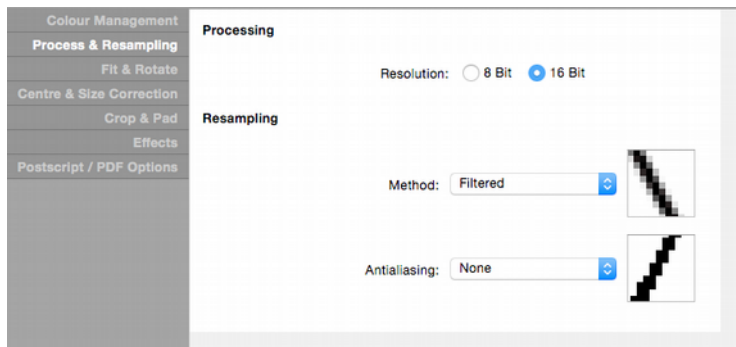
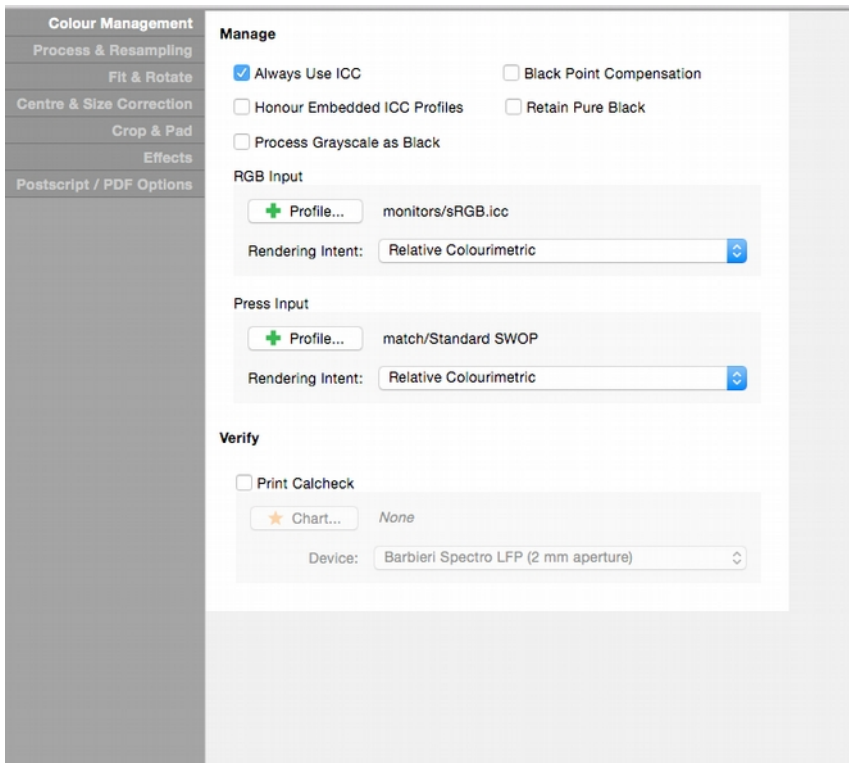




*Archives application – Save, export, or import database configurations*

## Jobticket

The Jobticket consists of configurable options used to manipulate an incoming job for the desired output. A Jobticket can be linked to a specific Pagesetup configuration or created on-the-fly via the submit dialog window.

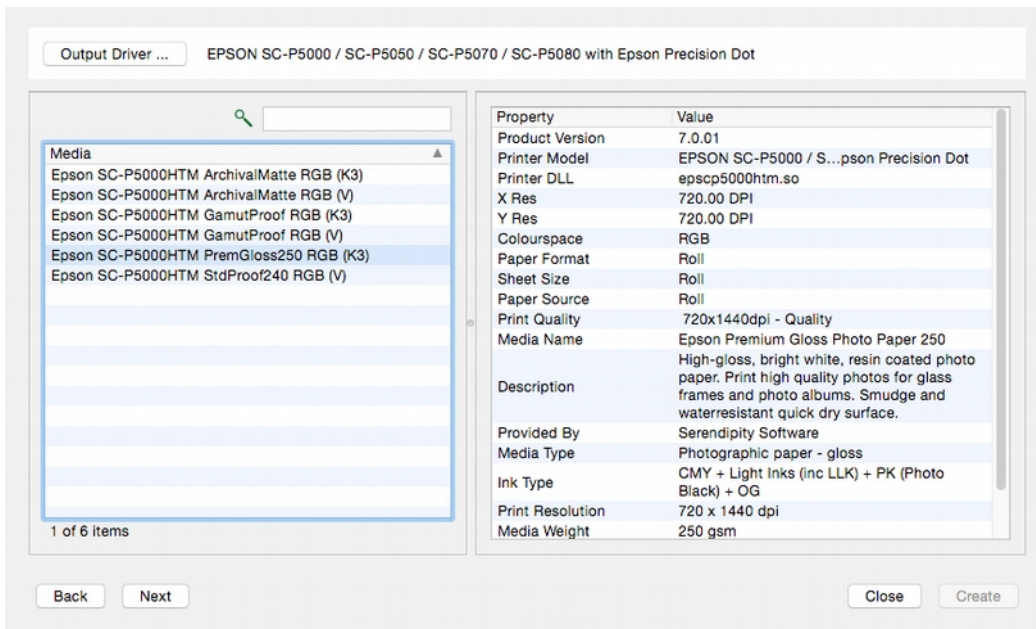
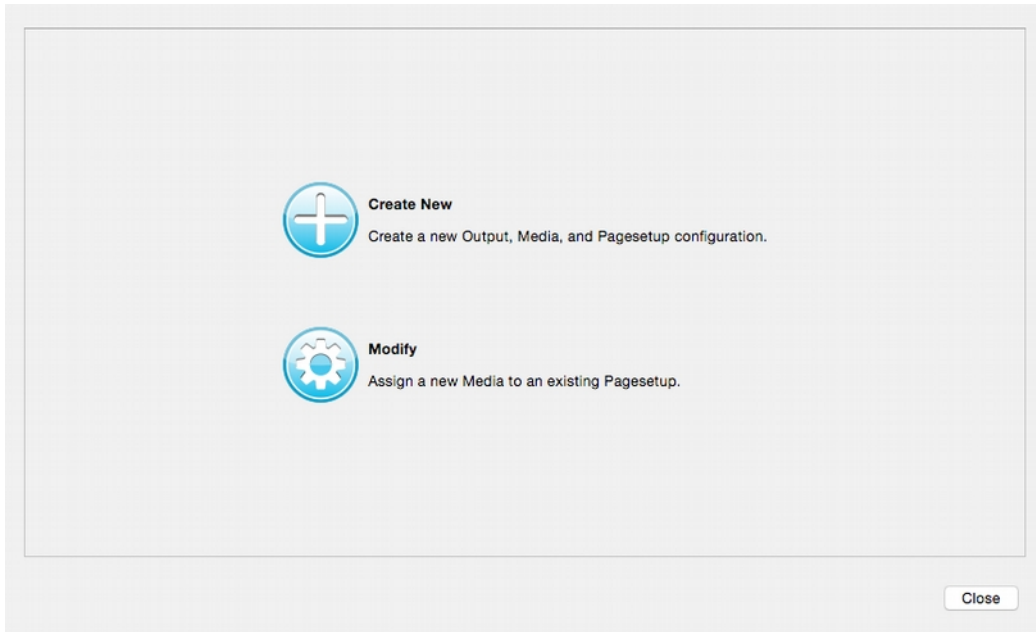


Samples of the Jobticket configuration panels

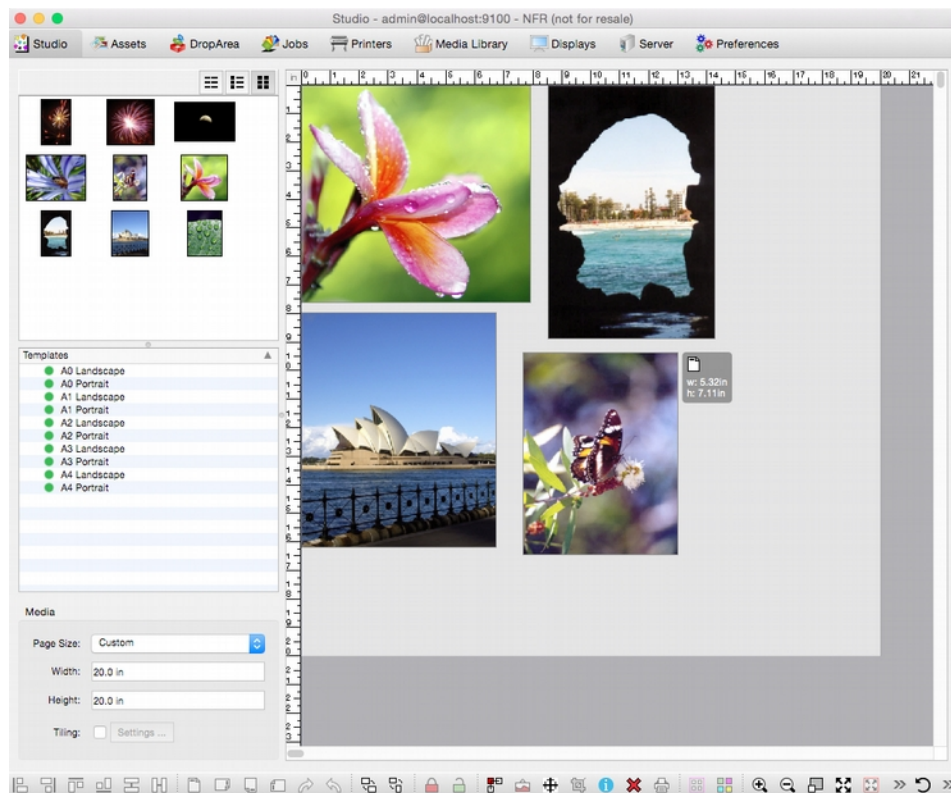
## Media Catalogue

The Media Catalogue is a built-in feature designed to assist in the creation of new Pagesetup, Media and Output configurations, as well as allow for modification of existing Pagesetup and Media configurations.

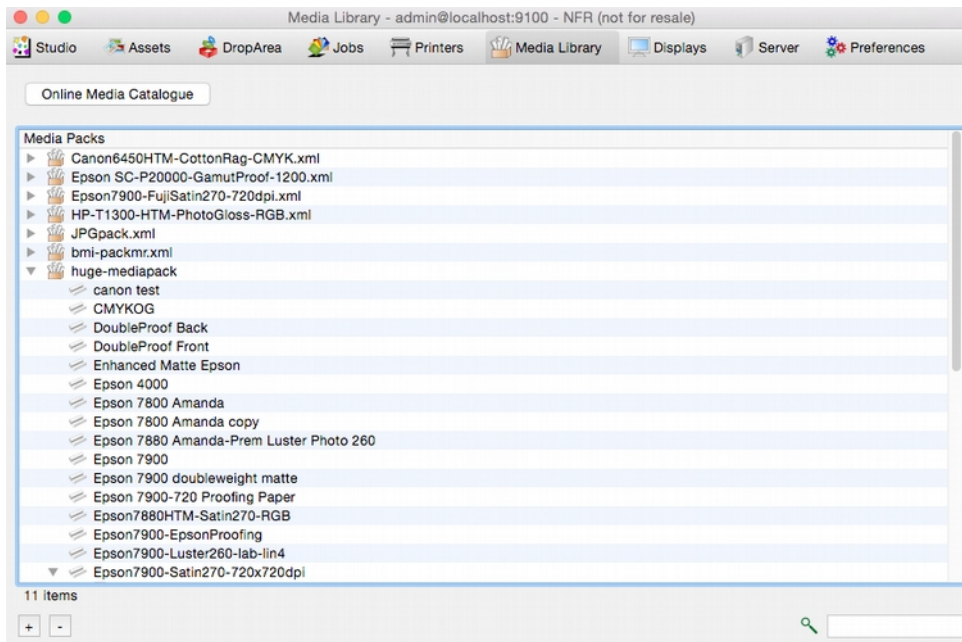
The Media Catalogue accesses the Serendipity Software website in order to download and install Media configurations for use within the Serendipity Client.



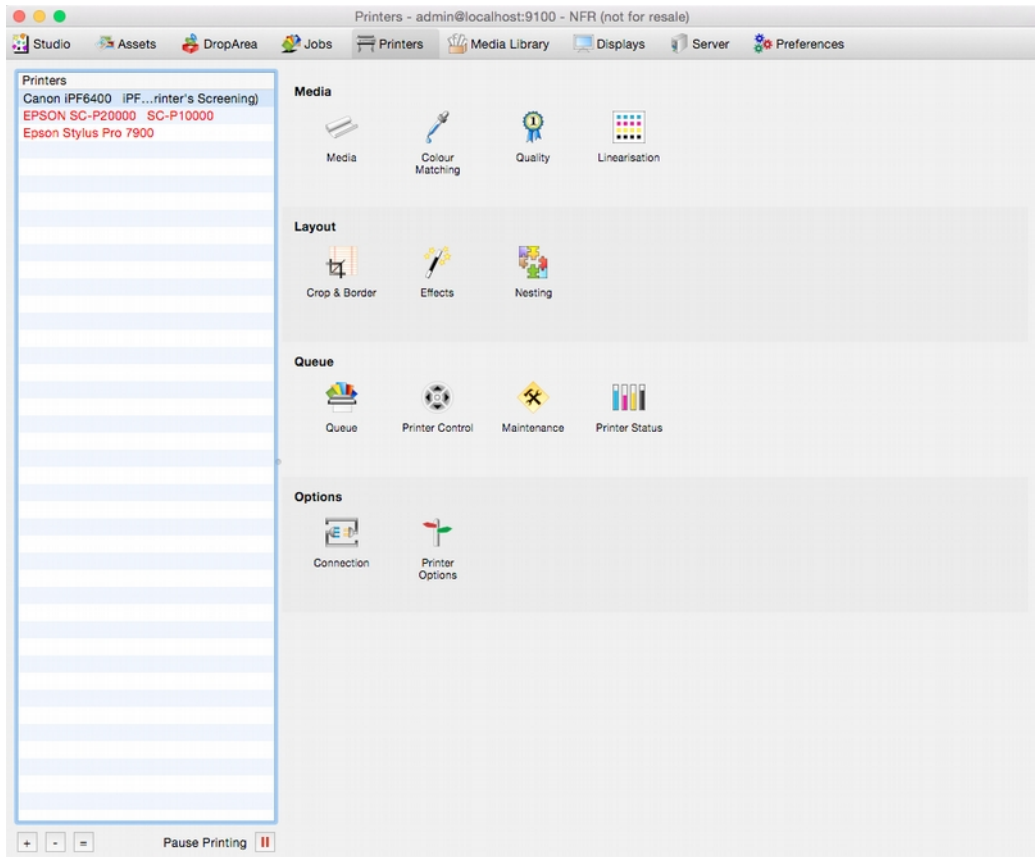
## C5 Client Interface (Samples)



Studio Panel



Media Library Panel



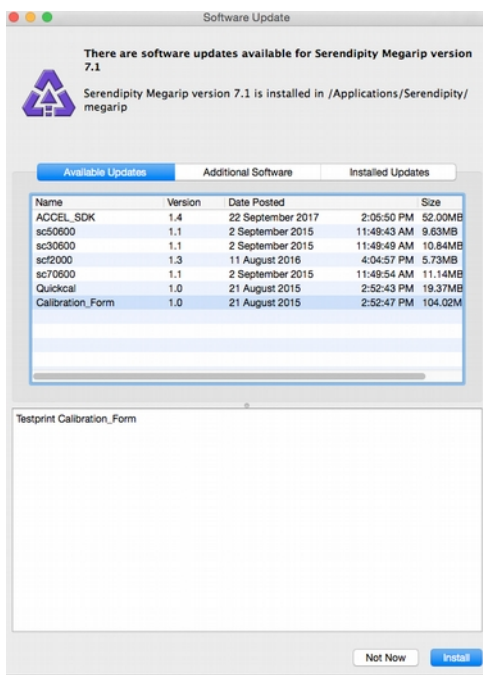
*Printers Panel*

## Serendipity Updater application

The Serendipity Updater provides a simple and convenient way of updating Serendipity Megarip and standalone Serendipity Client applications.

The Updater tracks the 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.



Sample screens

