SureColor S30600

Technote

RIP SOFTWARE - VERSION 12 - CALDERA 2019

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License Agreement

Driver History

Supported since **Version 9.00**

Version 12 History

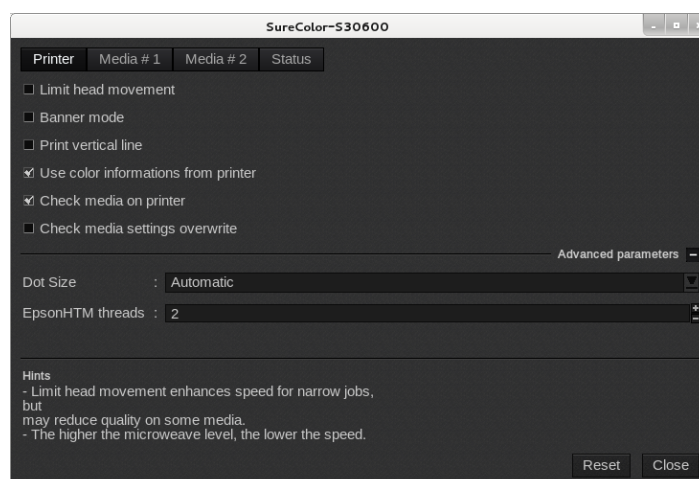| Release	Date	Comments
A (12.1)	07/2019	Fix to bring back compatibility for macOS 10.11 (El Capitan), driver was not launching on v12.1. Fix "Unknown error" when using mode "EpsonHTM" (#9525).

Version 10 History

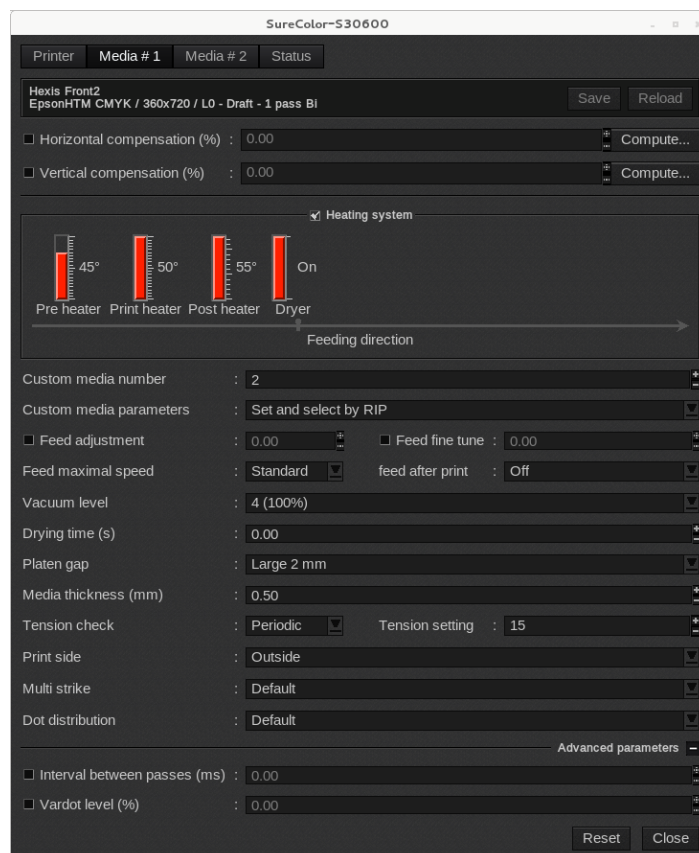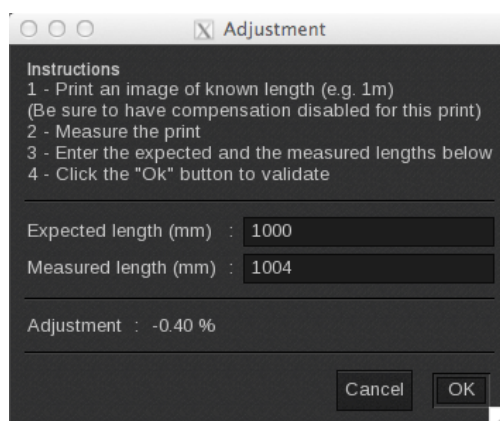| Release	Date	Comments
C (V10.0)	01/2015	Release c (only to have the same release number as the S50600 one).
B (V10.0)	12/2014	Release b (only to have the same release number as the S50600 one).
A (V10.0)	11/2014	New checks before printing and HTM2 support (faster and addition of HQ1 and HQ2 qualities to fix banding).

Printer settings

Printer

- **Limit head movement**: the print time is shortened. Image quality may be worse by drying time, since pass interval differs depending on data width.
- **Banner mode**: this option is not used by Caldera.
- **Print vertical line**: it prints a vertical line alongside the job.
- **Use color information from printer**: only works for Epson HTM mode (with a network connection), it modifies the data sent to the printer by calculating differences from a reference in order to minimize deltaE between printers from the same range.
- **Check media on printer**: check if the media loaded matches with the job that is about to be printed
- **Check media settings overwrite**: warn the user if the media settings from the <u>Media</u> tab (**slot** not set at 0) would overwrite settings on the printer
- **Dot Size**: if not <u>Automatic</u>, the drop size is forced to use only <u>Small</u>, <u>Medium</u> or <u>Large</u> drops.
- **EpsonHTM threads**: used to do parallel calculation when EpsonHTM mode is chosen. If you set too many threads, the printing process may slow down.

Media #1

- **Information**: at the top of the window, you are able to see information about your media. There you have access to two actions:
    - *Save*: when you click on this button, the current media settings are saved with the selected media profile (printer, media, resolution, mode) so there will apply for any new job using the same print configuration. If you don't save, the changes you made are only applied to the current job.
    - *Reload*: will revert back to default as set during profiling or to the last saved changes.
- **Horizontal compensation** (%): we recommend not to modify this. Any deviation is likely to be mechanical on the printer's side.
- **Vertical compensation** (%): this can be useful if you detect an increase or decrease in the length due to heating or media tension which is common when printing on vinyl or textiles for example. To calculate the compensation, click *Compute* and follow the software's instructions.

- **Heating system**: Set the heating system temperature in Celsius Degrees:
  - **Pre heater**: The range is from **31°** to .**50°**. You can turn it off by taking the temperature below **31°** to **Off**.
  - **Print heater**: The range is from **31°** to .**50°**. You can turn it off by taking the temperature below **31°** to **Off**.
  - **Post heater**: The range is from **31°** to .**55°**. You can turn it off by taking the temperature below **31°** to **Off**.
  - **Dryer**: You can turn it **On** or **Off**.
  - **Feeding direction**: it shows you the feeding direction of the printer and the chronology of the heaters.
- **Custom media number**: choose the slot number that contains the adjustments for your media.
- **Custom media parameters**: choose if the selected slot will be:
  - **Select by RIP**: the media settings used are those contained in the selected slot
  - **Set and select by RIP**: the RIP save its driver settings in the selected slot
  - **Panel only**: uses only the printer panel settings
- **Feed adjustment (%)**: this setting can be used in case of banding issues (horizontal striped lines or uneven colors) because of media strech. You can enter values from -1 to 1.53%

  We strongly advise you to set this directly on the printer using the dedicated wizard.

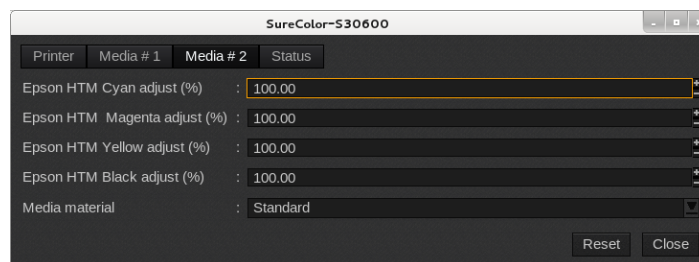- **Feed fine tune**: this setting is complementary to **Feed adjustment**.

  We strongly advise you to set this directly on the printer using the dedicated wizard.

- **Feed maximal speed**: choose the maximal speed between: **Default** (uses the custom media parameter), **Standard** and **Low**.
- **Feed after print**: move the media forward to be dry by the **Post-heater**. If **On with backfeed** is selected, after the dry, the printer will rewind the media to reduce the space between the jobs.
- **Vacuum level**: you can choose the power of the vacuum in percentage.
- **Drying time (s)**: indicate the time in seconds allowed for the page to dry (max 3600 seconds)
- **Platen gap**: set the gap between the head and the media
- **Media thickness**: enter the media thickness.
- **Tension check**: by default, the printer checks the media tension: every 5 meters (Periodic) or at the end of the job (Every Page). It slows the print a little bit but maintain a good media feed.
- **Tension setting**: select the media tension
- **Print side**: set the roll-out side of the media. **Outside** is the default setting.
- **Multi-strike**: apply multiple strike on the print: the job will be printed between 2 and 9 times on the same spot accordingly to your setup
- **Dot distribution**: this option allows you to choose the drop limitation. **Default** uses the general limitation whereas **Optimized** reduces the use of the small and medium drops.

  Be careful to select the same parameter that has been use when creating the profile to avoid artifacts.

- **Interval between passes (ms)**: select the time the print head pauses to allow drying after each pass. Depending on the paper type, the ink may take a while to dry. If the ink blurs on the paper, set a longer time for drying the ink. Increasing the drying time increases the time needed to print.
- **Vardot level (%)**: set the vardot level in percentage

Media #2

- **Media material**: Select it between **Standard** or **Banner**.
- **Epson HTM**: these modes allow you to adjust the ink use made by the HTM2 module by changing their density

For example: if you change the first value, Cyan, to 110%, there will be more Cyan in the print with a density increased by 10%.

Note:

- When using these modes, the ink consumption is not available any more.
- Some combinations are not available for these modes (especially very high and very low resolutions).

You will be warned when the combination is not available so you can make some changes before launching the print.

Recommended use

Globally it is recommended not to touch these percentages. **Epson** have determined and calculated the best use of inks according to the quality and resolution wanted.

This tool is useful if you want to increase your GAMUT size. In this case, follow the steps below to create your profile:

- Create your project in **EasyMedia*** as usual

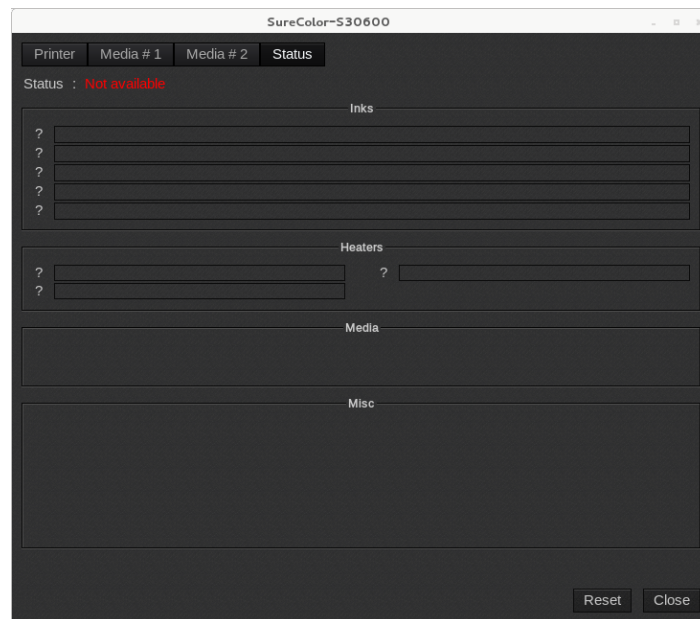*EasyMedia is named ProfileExpert in the TextilePro interface.

- Do your linearization keeping the ink adjustment to 100%
- During the ink limit stage, increase the ink max values by steps of 5% until you get the most variation possible.

Be careful of over inking that can appear with the increase of ink density.
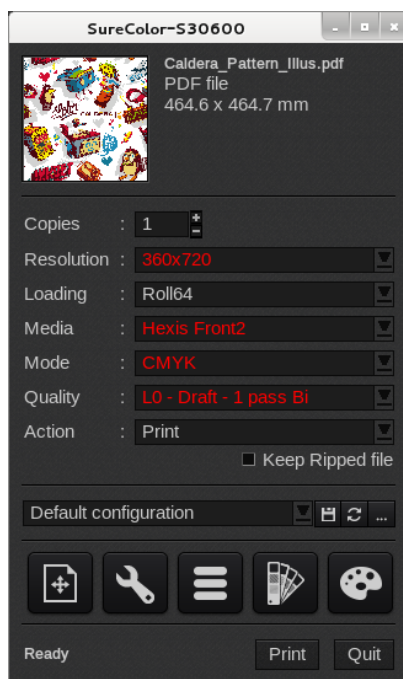
- Finish your profile as usual.

Be careful, we recommend you to be cautious and to choose the lowest value that offers you a satisfying result.

Status

- **Status**: Global state of the printer: **Ready**, **Not available**. All data are coming from the printer, if it is **not available**, nothing can be displayed.
- **Inks**: **Inks** and **Waste Boxes** levels
- **Heaters**: temperature level of the **Heaters**
- **Media**: Info about the media loaded on the printer
- **Misc**: complementary info about the printer (**model**, **serial number**, **firmware version**, **warnings**)
- *Refresh*: button to refresh the tab.

Printer specifications

Resolution

Available resolutions:

360x720 – 720x720 – 720x1440 – 1440x1440

Mode

Print modes available:

CMYK
EpsonHTM CMYK

Quality

The qualities are divided into two categories: unidirectional and bidirectional. Bidirectional means that the head prints in both pass. In Unidirectional quality, the head prints a stripe then move to its original position before printing the next stripe.
Qualities are distinguished by their print level. The level number represents the number of passes done by the head on one printed stripe. The higher the pass number, the higher the quality.
Depending on the quality chosen, the number and the characteristics of the levels vary.

Changing a profile generated with CMYK8 mode

Previous profiles created with the CMYK8 mode have to be changed. Indeed, CMYK8 is the former name of the mode that used the Epson raster. It has to be replaced by EpsonHTM CMYK modes to be still available. Please follow this procedure to modify the profiles without any extra calculation or target measurement.

1. Open **EasyMedia*** and select your **SureColor S30600** device.

    The following steps will have to be repeated for every media that has profiles using the CMYK8 mode.

    ***EasyMedia is named ProfileExpert in the TextilePro interface.**

2. Double-click on your media to open its profile list.
3. Select your profile then click on the *Edit...* button.
4. Change the profile mode according to the following rule: use EpsonHTM CMYK mode
5. Click then on *OK* to save the change. The following message will appear to inform you that it is not recommended to change a profile printing mode. Click on *Yes* to confirm the change and end the procedure.

Repeat this operation to all profiles that use the CMYK8 mode.

Share your Caldera experience and discover our online help on:
calderadesk.caldera.com