

VersaUV-LEF

Technote

RIP SOFTWARE - VERSION 11 - CALDERA 2017



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Drivers:

- Roland-LEF300-CMYKWGL
- VersaUV-LEF300-CMYKWGLPR
- VersaUV-LEF200-CMYKWGL
- VersaUV-LEF200-CMYKWW
- VersaUV-LEF200-CMYKWPR
- VersaUV-LEF12i-CMYKWGL

Driver History

VersaUV-LEF200 and VersaUV-LEF12i supported since **Version 11.1**

VersaUV LEF-300 supported since **Version 10.2** for CMYKWGL and **Version 11.0** for CMYKWGLPR

Version 11 History

Release	Date	Comments
A (V11.1)	06/2017	LEF-300 only : updated print modes to catch latest SDK modifications.

Printer settings

Print module interface



Resolutions

These printers support the following graphic **Resolutions**: 360, 720 and 1440*720 except the VersaUV-LEF12i only supports 1440*720.

Modes

Two modes are available: *CMYK* and *Gray*.

Qualities

Qualities depend on the selected resolution, media and mode. Some combinations may not have compatible qualities. Compatible qualities may change for each firmware and printer.

Qualities are build on the following model: <number of pass> <uni-directionnal/bi-directionnal> <layers order>.

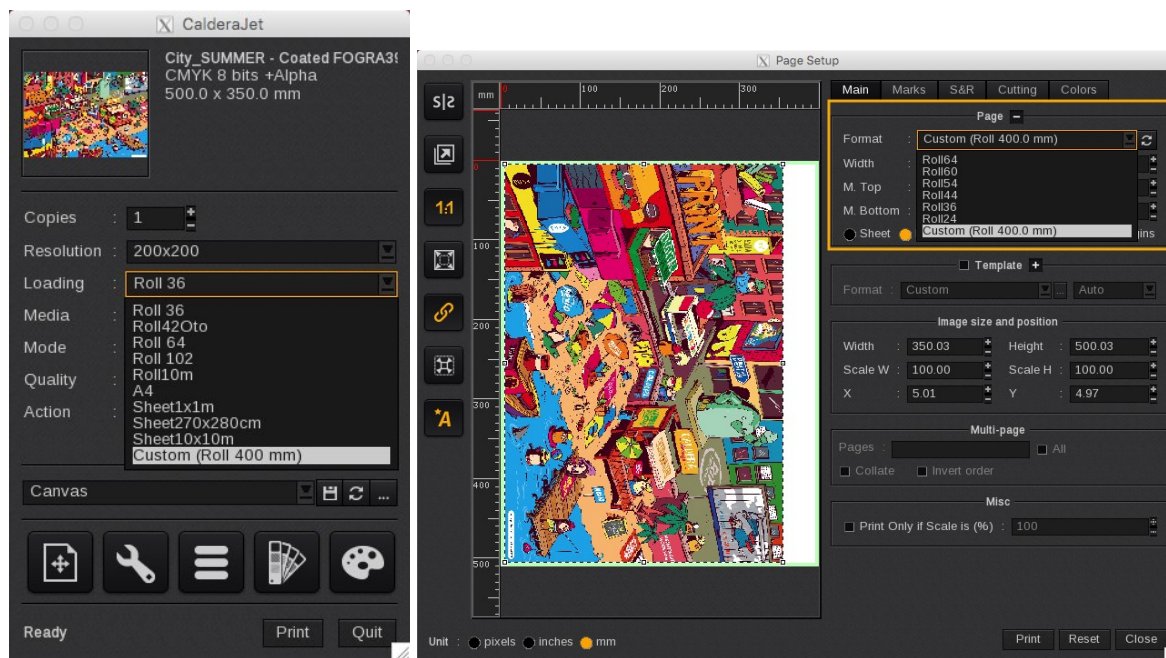
PRINTER SETTINGS

EasySelect

EasySelect is the capability for **Caldera RIP** to use the size and type of loaded media in the printer. This printer supports 2 levels of selection:

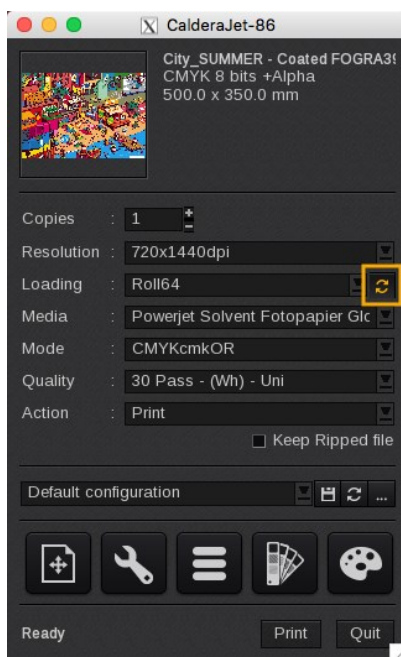
- **CustomLoading**: uses a **custom size** (sheet or roll) defined at last moment in the **Print** module interface.

[More information about CustomLoading on CalderaDesk](#)



- **AutoLoading**: uses the **size** of the media actually loaded in the printer.

[More information about AutoLoading on CalderaDesk](#)

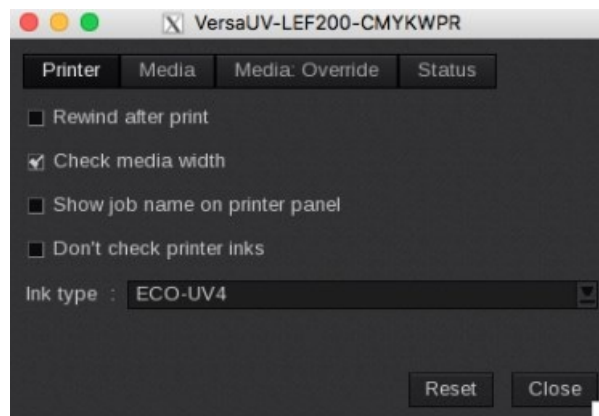


Settings window

These settings can be found by clicking on the **Settings** button from the **Print** module main window.



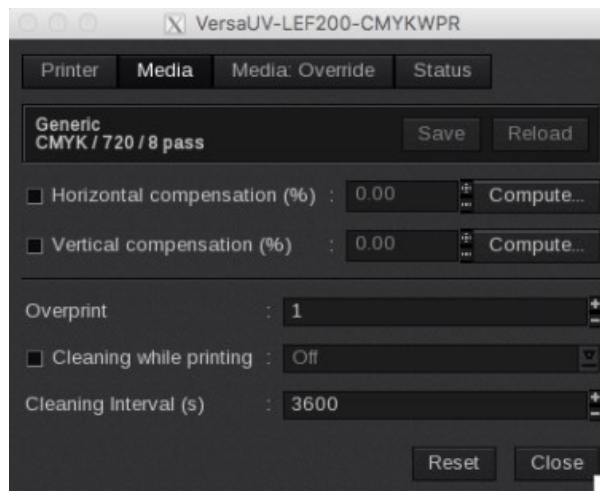
Printer



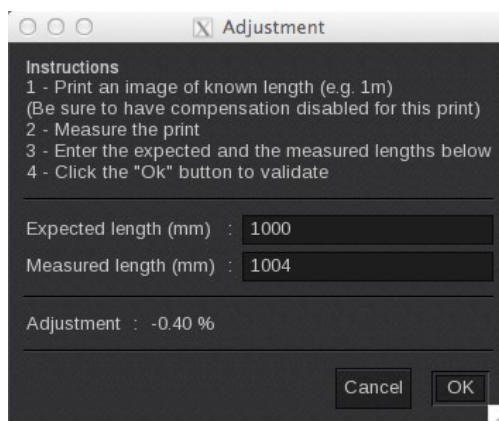
- **Rewind after print:** rewinds the media to its initial position after printing.
- **Check media width:** a warning is shown if the media width is smaller than the printed document.
- **Show job name on printer panel:** if enabled, it displays the job name on the printer panel screen. When disabled, the printer panel shows the current print mode.
- **Don't check printer inks:** doesn't display a warning if the printer inks do not match the selected print mode. When disabled, a warning is shown when a required ink is missing in the printer.
- **Ink type:** selects the type of Ink used between *ECO-UV* and *ECO-UV4*. It's important to choose the good one because their properties are different and do not react in a same way. For example, the **Dot type** is not the same.

PRINTER SETTINGS

Media



- **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.



- **Overprint:** this performs overprinting or the number of passes specified by the parameter.
- **Cleaning while printing:** performing cleaning during printing, indicate the degree of cleaning to perform. It can remove potential clogging or condensation on the head during print.
- **Cleaning Interval (s):** time interval of **Cleaning while printing** (from 0 to 60000 seconds).

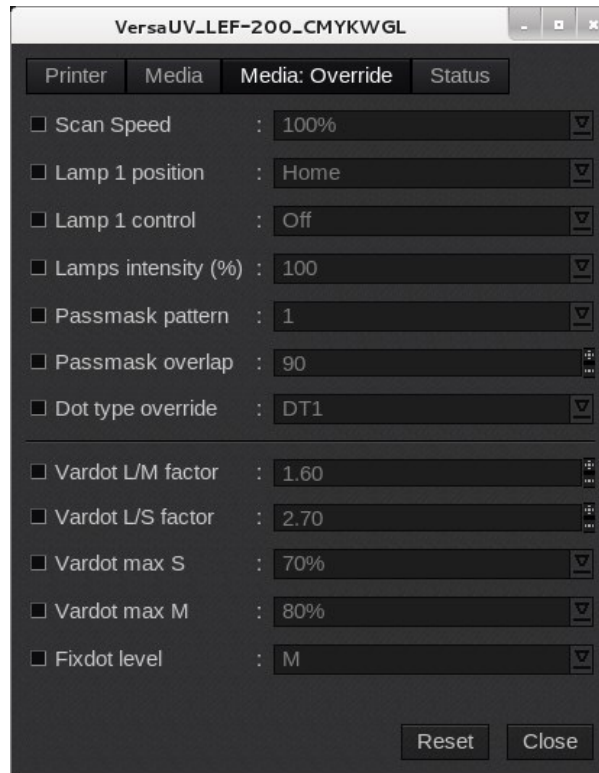
Media: Override

The driver allows to override some of the print mode parameters. This is an advanced feature without any foolproof mechanisms. If you force values that are out of range, the printer will reject the job with *Data Error* message.

Changing some parameters can be useful when the default print mode setting gives unsatisfactory results, like misaligned dots or apparition of patterns between head passes.

Concerned parameters can be overwritten in Media Override tab. Each parameter override must be enabled first. When disabled, the print modes use their own predefined default value. Please note that the predefined value is never

displayed anywhere in the interface. However, all currently used values are printed in the annotations, with “**More details**” option enabled.



- **Scan Speed:** scan speed can only be reduced by specifying the amount in % (in steps of 10%). The value 100% corresponds to the predefined value of selected print mode.
- **Lamp position:** select the position wanted for your lamp (not available for the 12i model).
- **Lamp control:** choose if you want to turn on or off your lamp.
- **Lamps intensity (%):** select the intensity of the lamp in percentage.
- **Passmask pattern:** This defines the RIPC pass mask pattern. If the default value is not satisfactory, the correct value should be determined by comparing prints using different values. The value “Off” disables the RIPC feature.

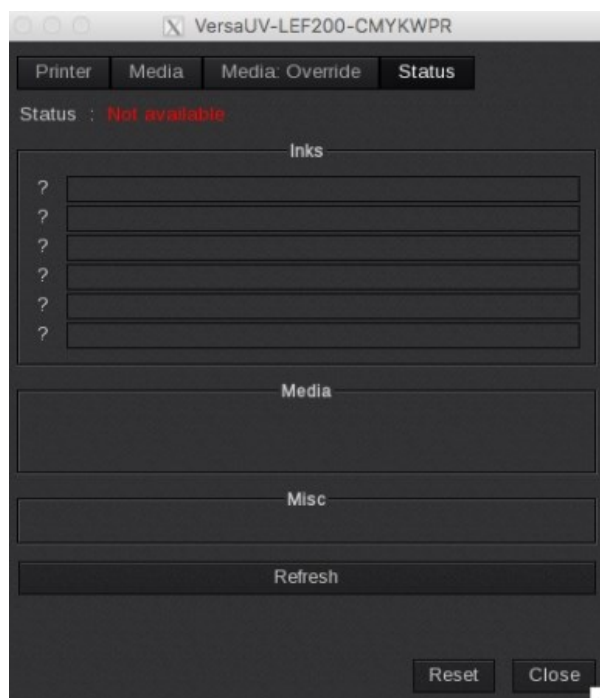
Warning: sometimes print modes have RIPC disabled by default (most often the fastest modes or fixed-dot modes). In that case, overriding the pattern only will not work. You will have to override also the Passmask overlap parameter.

- **Passmask overlap :** This parameter overrides RIPC pass overlap. **Enable this override only if you know what you are doing.**

Using different values from the predefined one affects profoundly the print mode, notably the real number of passes of the print mode.

- **Dot type override:** This parameter overrides the dot type. It can be useful for custom inks.
We do not recommend you to change the Vardot settings. It is reserved for an advanced usage only.
- **Vardot L/M factor:** factor between *Large* and *Medium* dots
- **Vardot L/S factor:** factor between *Large* and *Small* dots
- **Vardot max S:** maximum percentage of *Small* dots
- **Vardot max M:** maximum percentage of *Medium* dots
- **Fixdot level:** choice of the fixdot level between *Small*, *Medium* or *Large*

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:** information about *Inks* levels
- **Media:** information about the media loaded on the printer
- **Misc:** complementary info about the printer (*model*, *serial number*, *firmware version*)
- **Refresh:** button to refresh the tab.

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