

GERBER SOLARA UV2™ Firmware Version C

This document contains the release notes for this version of GERBER SOLARA UV2 firmware.

Required Software

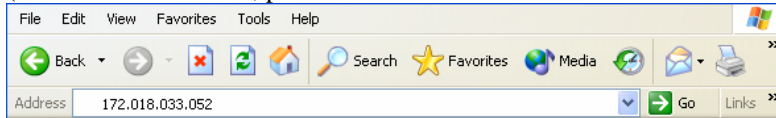
- Microsoft® Internet Explorer (ver 5.5 or later) or comparable web browser. The selected computer must be networked to the GERBER SOLARA UV2 to download the firmware update. An active internet connection is not required.

Updating the GERBER SOLARA UV2 Firmware

The GERBER SOLARA UV2 firmware is updated using a web browser. The SOLARA UV2 home page contains a "Downloader" link. Clicking on this link brings up the "SOLARA Loader" page which allows the new firmware file to be selected and sent to the printer. The upgrade process can take anywhere from 10 to 15 minutes depending on the size of the upgrade and the speed of your computer.

IMPORTANT NOTE: Make sure you have the previous version of firmware loaded (B.000) before installing the current firmware update. If you have A.000 currently installed, you must load B.000 before attempting to load this version. Serious system failure will result from loading firmware out of order.

1. Copy the SOLARA UV2 firmware file (ver C.000) to your local drive.
2. Verify that there is a computer with an internet browser either directly connected to the printer or connected to a network which is connected to the printer. The computer does not have to be connected to the internet to access the printer web pages.
3. Open a web browser menu on a computer connected to the printer.
(The internet connection does not have to be active.)
4. Enter the IP Address for the specific GERBER SOLARA UV2 you wish to access as the web address in the web browser and press enter. (Do not use any slashes or colons.)
(To find the IP address, press **F3 SETUP** > **F1 NETWORK** > **F1 IP ADDRESS** on the control panel)



5. If done correctly the Home page should appear on your web browser. There is a list of links on the right side of the screen to the other pages in the program.
6. On the Main Page, click on "Downloader" and wait for the system to enter the Loader Interface page. (This may take 1-2 minutes.)
7. Browse for the SOLARA UV2 firmware file with a GSP filename that you copied in step 1, (for example: SolaraUV_C000.gsp) and click on "Download".
8. A web page is displayed showing a table of firmware versions. One column is the firmware versions in the file you selected, the other column is the currently loaded version in the printer. There is a column showing what action the Loader will take based on the versions, such as upgrade, refresh (keeping the same version) or revert (going back to a previous version).
9. Click on "Continue Programming" to begin the loading process.
(Click on "Return to Main Menu" to cancel the download.)
10. The loading process may take several minutes to complete as each firmware component is loaded into its corresponding system within the printer.

IMPORTANT NOTE: Do NOT turn off the machine or disconnect the network cable during the download process, this will interrupt the download and corrupt the firmware and damage the control system. When downloading new firmware do NOT close, minimize, or change the web browser window until the download process is finished or installation errors may occur. For some firmware components, the printer may reboot automatically. This is a normal event and no user intervention is required.

Updating your ONYX™ driver

To take full advantage of this new firmware, download the latest GERBER SOLARA UV2 driver and material profiles from the Gerber website www.gspinc.com. The latest driver is automatically included when you download new material profiles.

1. Go to www.gspinc.com and navigate to the Downloads section and select Profiles. Click on the link for the GERBER SOLARA UV2 profiles for ONYX software to go to the appropriate ONYX download site.
2. On the ONYX website, enter the appropriate software version, company and printer information. Then select the specific profiles you wish to use from the list provided.
(All downloads include the latest printer driver for the profiles. So if you only need to download the driver, just select one or more files here)
3. If you have not already registered with ONYX, you must do so before continuing.
If you have already registered, login using your assigned name and password.
4. A single (.exe) file will be created for you with the latest driver and material profiles you selected. An email will be sent to the address you provided during registration with the URL address where you can download your new file.
5. Once on your computer, close all ONYX applications and double-click on the file and select Run to extract the compressed Printer Installation (PrnInst) file.
6. Double-click on the extracted PrnInst file to launch the Add Printer Wizard and install the new driver and profiles.

Version C.000

Description:

SYSTEM VERSION	CODE
Build:	C.005
Raster O/S:	B.04
Raster FPGA:	3.3.1
Raster Downloader:	B.05
Raster Kernel:	A.08
Carriage O/S:	B.02:2ABC
Carriage FPGA:	4.0.0.8
Carriage Boot:	C.0a:3CDD
Control O/S:	B.03
Control FPGA:	1.4
Control Analog FPGA:	5.4
Control Boot:	C2a
Control EEPROM:	D.0
Control Lang:	A
Control Language Name:	*No Foreign Language
Keypad/Display:	B.0(358)

IMPORTANT NOTE: Make sure you have the previous version of firmware loaded (B.000) before installing the current firmware update. If you have A.000 currently installed, you must load B.000 before attempting to load this version. Serious system failure will result from loading firmware out of order.

Firmware Features

- Users can now see time remaining before lamps turn off on main menu
- The Lamp Menu now has an “Extend” option. A one-time, three (3) minute extension of lamp-on time while in home position between jobs is available. There is also an option to turn lamps off at the end of a job instead of waiting the default one minute.
- If rigid material fails to load, the material will be moved back where the user initially positioned it
- Unit will now initiate an ink refill after PRIME and PURGE
- The X-Axis pull calibration menu was modified to be based on the grit wheel color
- If covers are opened during a paused job, the cancel job message could get stuck in an infinite loop, this issue has been resolved.

New Procedures

- The Lamp Menu now has an “Extend” option. A one-time, three (3) minute extension of lamp-on time while in home position between jobs is available. There is also an option to turn lamps off at the end of a job instead of waiting the default one minute. **(See Appendix A)**
- The Material Pull (Feed Adjustment) Calibration is now based off of the grit wheel size. It is now necessary to enter the grit wheel color code instead of running a calibration test. This only needs to be done once. **(See Appendix B)**

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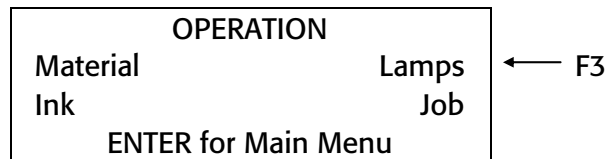
Appendix A:

The UV lamps are designed to automatically turn off after the carriage sits at the home position for one minute. You can extend the time the UV lamps remain on for an additional 3 minutes by using the UV lamp extension option. This will give the user more time to send additional jobs or change material without having the lamps turn off and have to cool down. You can only use the 3 minute extension option once between jobs.

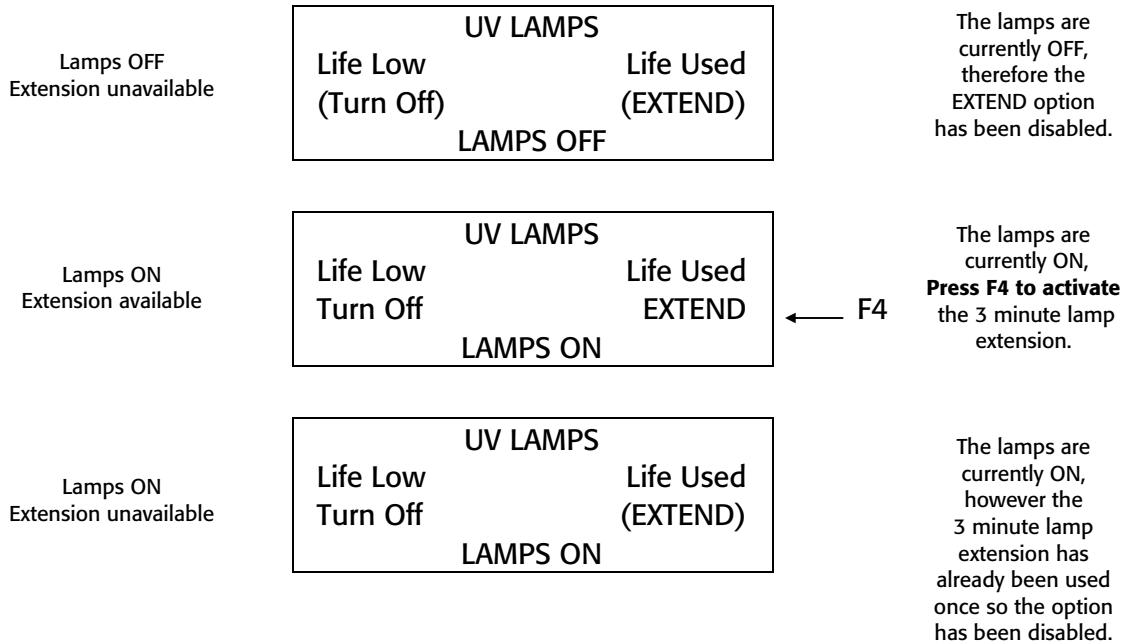
Note: You can only use the 3 minute extension option ONCE between jobs. This is to keep the UV lamps and internal components of the printer at optimum operating temperature.

➔ To enable 3 minute lamp extension

- 1 From the MAIN MENU press F4, Operate to open the OPERATION menu.



- 2 Press F3, Lamps to display the UV LAMPS menu.
You will see 1 of 3 possible displays. All options in parentheses () are disabled.

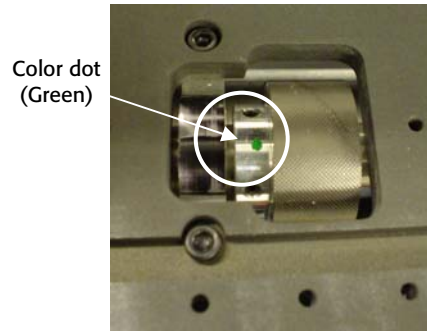


Note: All options in parentheses () are currently disabled.

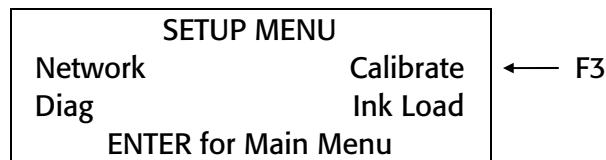
Appendix B:

Media feed adjustments no longer need to be calibrated in the GERBER SOLARA UV2. The Media Feed value for the printer is now determined by the size of the grit wheels, which are color coded. Settings for individual materials are based on this value and are controlled by the material profiles in the RIP software. This value only needs to be entered once.

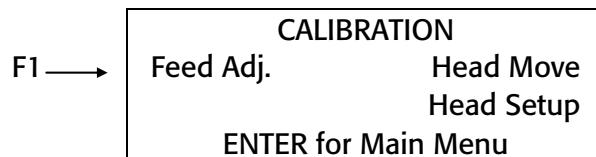
- 1 Open the front cover and look for the small color dot on the left side of any of the grit wheels. You may have to rotate the grit wheels with your finger to see the dot.



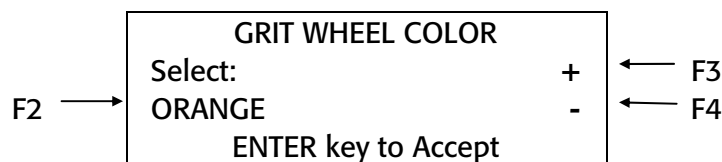
- 2 From the printer's MAIN MENU press F3, Settings to display the SETUP MENU.



- 3 Press F3, Calibrate to open the CALIBRATION menu.



- 4 Press F1, Feed Adj. to open the GRIT WHEEL COLOR menu.



- 5 Select the color indicated by the dot on the grit wheel using F3, + or F4, - to scroll through the list (F2). The available colors are listed in the following order: Orange, Black, Green, Blue, Blue-Blue, Red, and Custom.
- 6 When you are finished, press ENTER to save the change and return to the Main Menu.