

Smart-Jet[®] R-Cure

Connection Guide

UV Cure Setup Guide

Pre-installation and Safety Precautions:

1) Thorough Manual Review:

For successful installation and safe use of the R-Cure system, it is imperative to thoroughly read and comprehend the provided manual.

2) Electronics Knowledge:

Ensure a solid understanding of electronics before proceeding with the installation and operation processes.

3) UV Resistant Safety Glasses:

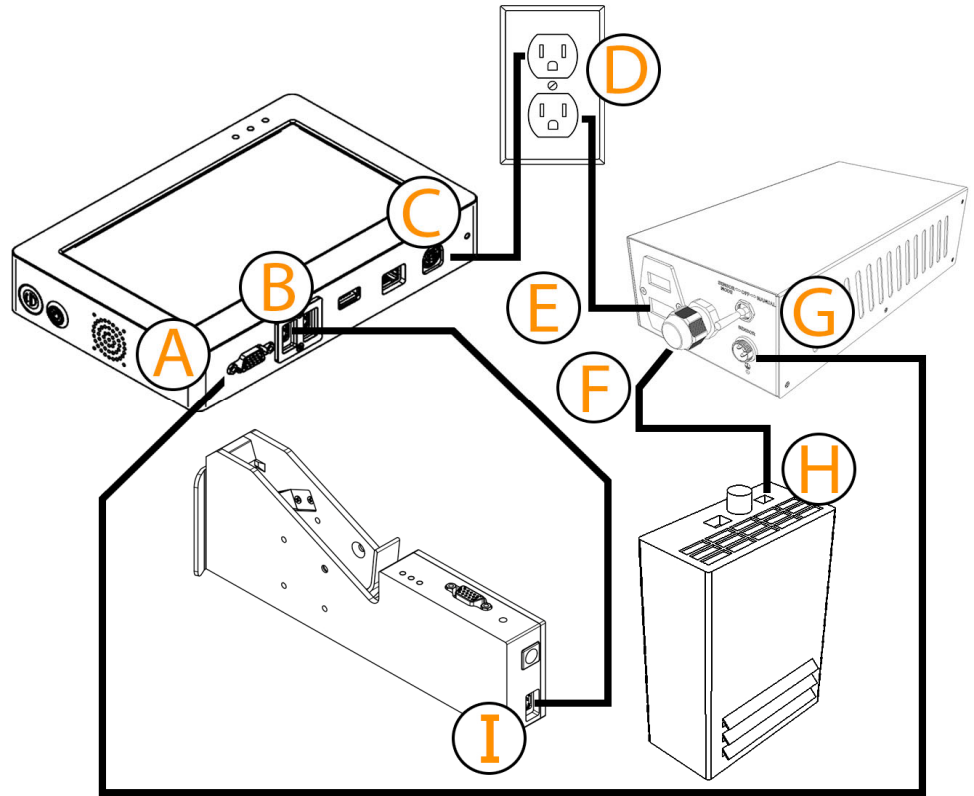
Wear UV-resistant safety glasses throughout all operations to protect your eyes.






4) Skin Protection:

Avoid prolonged exposure of UV light to the skin.

5) Risk of Burns:

Exercise caution when adjusting timing and intensity. The intensity of UV light can cause burns to skin, objects, and conveyor belts. Take preventive measures to avoid any potential harm.



Connection Location	Cable/Connector	Port Type	Connection Type
A to G		DB15, M16	DB15 on Smart-Jet [®] Controller and M16 on CURE power supply box.
B to I		IX Industrial Female Port	IX Industrial Cable inserted into the Smart-Jet [®] Controller and the opposite end into the Printhead.
C to D		4-pin Female and Standard 3 Prong Grounded Outlet	4-pin Power Supply from Brick to Controller. Female 3 Prong Standard to Power Supply Brick. Male Standard 3 Prong to grounded wall outlet.
D to E		Standard 3 Prong Grounded Outlet	3 Prong Female to Power Supply Brick. Male 3 Prong to grounded wall outlet.
F to H		6-pin Female	Pre-installed wire from CURE Power Supply unit to 6-pin Female port on UV Lamp.

Contact Us for Additional Support

Company Name

MSSC, LLC

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City, ST Zip Code

Collinsville, IL 62234

Phone

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Website

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Please Scan or Click the QR Code for Additional Questions or Support

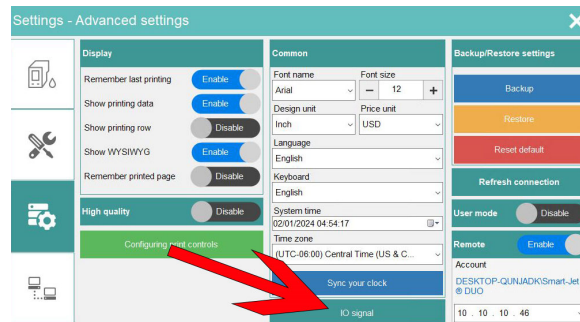


Digital Setup Guide

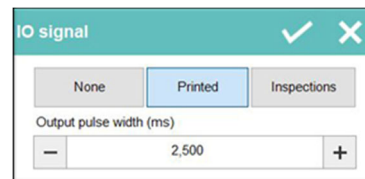
1. In the software for the Smart-Jet controller please navigate to “Settings.”



2. In settings select the “Advanced Settings” icon  and then select “IO signal.” The 'IO Signal' will control the duration of exposure for the UV-CURE irradiation lamp. This is how we regulate the time required for the complete curing of the UV ink.



3. After clicking the “IO Signal” button the following pop-up will appear. Please select “Printed” and use the “Output pulse width” to define the timed UV exposure. Determine your exposure time and enter it into “Output pulse width,” accept your parameters by clicking the checkmark.



(To convert milliseconds to seconds, divide the number of milliseconds by 1000. For example, to convert 2500 milliseconds to seconds, you can use the formula: $2500 / 1000 = 2.5$ seconds)

4. Upon returning to the 'Settings' menu, navigate to the home screen. At the home screen please click the play button and run test prints to assess the results of the parameters.
5. Ensure the CURE power box toggle switch is set to “Sensor Mode.”
6. Gradually increase the lamp intensity with the potentiometer knob, starting from a low setting, and adjusting it to match the exposure time. This step-by-step approach ensures optimal curing of the ink onto the substrate.

Troubleshooting:

- If the lamp does not illuminate, please refer to the “COMMON ERRORS” section in the R-CURE UV Curing Lamp user manual on pages 17 and 18.
- A common fault is when the voltage within the power supply is not properly selected for the connected source.