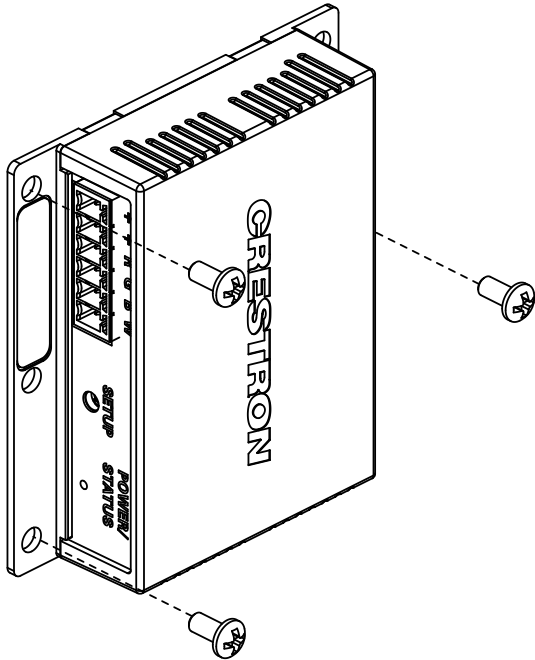


CLC-1LEDPWM-RGBW-EX
RGBW LED Controller



DO Install the Device

The Crestron® CLC-1LEDPWM-RGBW-EX can be mounted onto any surface using three screws (not included). For best results, position the device to avoid interference from nearby RF sources, obstructions, and metal surfaces.

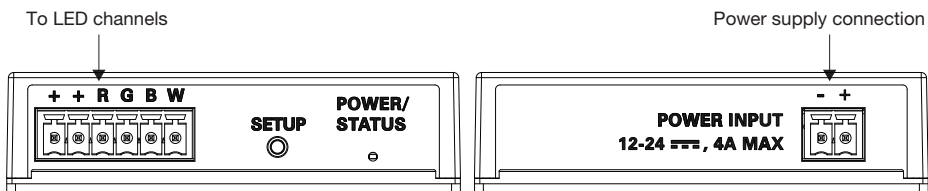


DO Connect the Device

Make the necessary connections as called out in the illustrations that follow. Apply power after all connections have been made.

NOTE: When making connections to the CLC-1LEDPWM-RGBW-EX, use Crestron power supplies for Crestron equipment.

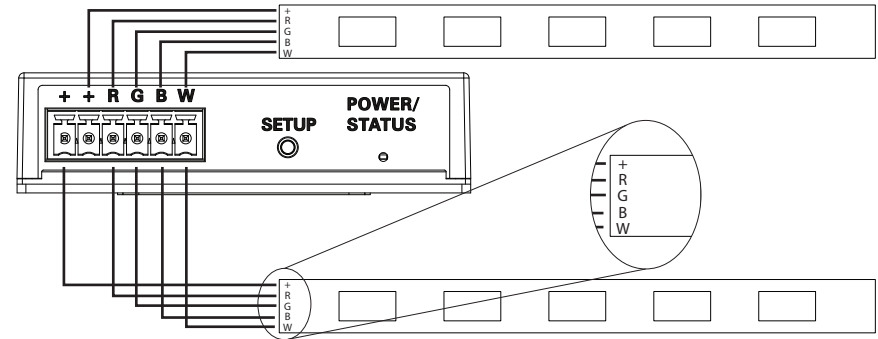
Hardware Connections for the CLC-1LEDPWM-RGBW-EX



DO Check the Box

QTY	PRODUCT	PART NUM.
1	Connector, 2-Pin	2003574
1	Connector, 6-Pin	2003578

Wiring the LED Strip



DO Join an infiNET EX® Network

The device connects to the Crestron network via the infiNET EX® communications protocol. Use the procedures outlined below to join or leave an infiNET EX network and to verify communications between the device and the control system.

Joining an infiNET EX Network

Before a device can be used in a lighting system, it must first join an infiNET EX network. To join an infiNET EX network, the device must be acquired by an infiNET EX gateway.

NOTE: A device can be acquired by only one gateway.

1. Put the infiNET EX gateway into Acquire mode from the unit itself or from Crestron Toolbox™ software. Refer to the gateway's manual at www.crestron.com/manuals for details.

NOTE: In an environment where multiple gateways are installed, only one gateway should be in Acquire mode at any time.

2. Put the device into Acquire mode:
 - a. Tap the **SETUP** button three times, and then press and hold it down (tap-tap-tap-press+hold) until the LED on the device blinks once (this can take up to 10 seconds).
 - b. Release the button to start the acquire process. The LED blinks slowly to show that the device is actively scanning the infiNET EX network.

- The LED turns on for 5 seconds to show that the device has been successfully acquired by the infiNET EX network.
- The LED blinks fast to indicate that the device was not successfully acquired by the infiNET EX network. Tap the **SETUP** button to acknowledge the failure. Ensure the gateway is in Acquire mode and within range before attempting the acquire process again.

3. Once all devices have been acquired, take the gateway out of Acquire mode. Refer to the gateway's manual for details.

Leaving an infiNET EX Network

To leave an infiNET EX network, put the device into Acquire mode, as described in “Joining an infiNET EX Network” above, when no gateway is in Acquire mode.

Verifying Communications Status

To check the communications status of the device, tap the **SETUP** button three times, and then press and hold it down (tap-tap-tap-press+hold) for up to 2 seconds. The LED blinks to indicate the communications status. Refer to the following table for details.

LED	COMMUNICATIONS STATUS
Turns on for 5 seconds	The device is communicating with the control system.
Blinks three times	The device is communicating with the gateway, but the gateway is not communicating with the control system.
Blinks twice	The device was previously joined to the network but is not communicating with the gateway.
Blinks once	The device is not joined to the network.

DO Test the LEDs

Enter **TEST** mode to verify that the LEDs are wired correctly and to identify any faults. Press the **SETUP** button until the POWER/STATUS LED begins to blink quickly. The LED strip will light red. Press the **SETUP** button to cycle through the remaining colors on the LED strip. The POWER/STATUS LED stops blinking when the last LED color is tested and Test mode is exited.

NOTE: If an LED color channel is not connected, or unavailable, no load will light during Test mode.

DO Troubleshoot

The LED blinks a pattern to indicate an error. The patterns listed here are described as 2-1 or 2-3. For a 2-1 error, an overcurrent condition, the LED blinks twice, pauses for 1 second, blinks once, pauses for 2 seconds, and then repeats until the error is corrected. For a 2-3 error, an overtemperature condition, the LED blinks twice, pauses for 1 second, blinks three times, pauses for 2 seconds, and then repeats until the error is corrected.

DO Learn More

Visit the website for additional information and the latest firmware updates. To learn more about this product, use a QR reader application on your mobile device to scan the QR image.

Crestron Electronics
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888.CRESTRON | www.crestron.com



As of the date of manufacture, the product has been tested and found to comply with specifications for CE marking.



This product is Listed to applicable UL® Standards and requirements tested by Underwriters Laboratories Inc. Ce produit est homologué selon les normes et les exigences UL applicables par Underwriters Laboratories Inc.

Federal Communications Commission (FCC) Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Industry Canada (IC) Compliance Statement

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Industrie Canada (IC) Déclaration de conformité

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement. Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

The specific patents that cover Crestron products are listed at <http://www.crestron.com/legal/patents>.

The product warranty can be found at www.crestron.com/warranty.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

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