inspired LED

The **2-in-1 Controller** utilizes 2.4G RF transmission to control single-color or tunable-white LED lighting systems. It can be paired with various wireless remotes from our product line, enhancing its versatility. Additionally, this controller is capable of dimming low-voltage lighting systems through the use of momentary dimmers and switches, rather than wireless remotes. Its multifunctionality and compact design make it an ideal accessory for plug-and-play installations.

Product Features:
- 2.4G RF wireless controller
- Compatible with single-color 2-conductor systems or tunable white 3-conductor systems
- Can be dimmed using momentary switches
- Compatible Remotes: Single-Color (SKU 3762 or SKU 8562) or Tunable White (SKU 8609, SKU 8610, or SKU 8601) *sold separately*
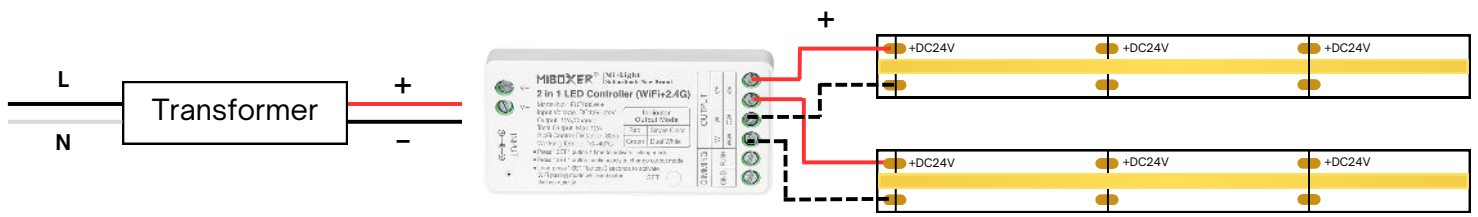
Specifications:
- 4" Input Pigtail, (included)
- Input Voltage: 12V - 24VDC in/out
- Output: 12A/Channel
- RF Range: 100ft (30M)
- Operating Temperature: 14°F~104°F
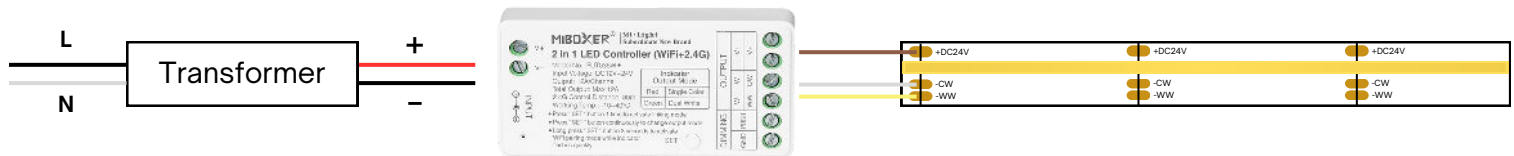- Receiver Dimensions: 2.9" (L) x 1.4" (W) x 0.7 (H)

Installation & Programming Instructions for Single-Color LED Lighting Systems & RF Remote:

1. **Install LED lights** following their instructions.
2. **Connect the power supply:**
   a. Plug the 12V/24V DC power supply into the receiver's INPUT side.
   b. If using a plug-in power supply, connect it via the 4" pigtail.
   c. If using a direct-wire driver, remove the pigtail and terminate the bare wires into the controller's input terminals, ensuring correct polarity (+/-).
3. **Connect the LED lights:**
   a. Attach the LED wires to the OUTPUT side of the controller.
   b. Loosen the terminals, insert the positive wire into V+, and insert the negative wire into W.
   c. If using a second LED strip, repeat these steps using the available terminals.
4. **Power on the system:**
   a. Plug the power supply into an electrical outlet. If direct-wiring, connect to power to turn system on.
5. **Set single-color mode:**
   a. Press the SET button until the indicator light turns **red**. The LEDs should all turn on.
6. **Pair the controller with a wireless remote:**
   a. Refer to the remote's instructions to locate its programming button *(will differ based on model)*.
   b. Unplug the power supply for 10 seconds.
   c. Reconnect power and, within 3 seconds, press the remote's programming button multiple times per remote instructions.
   d. The lights will blink to confirm successful pairing.

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Installation & Programming Instructions for Color-Shifting (Tunable White) Lighting Systems & RF Remote:

1. **Install LED lights** following their instructions.
2. **Connect the power supply:**
   a. Plug the 12V/24V DC power supply into the receiver's INPUT side.
   b. If using a plug-in power supply, connect it via the 4" pigtail.
   c. If using a direct-wire driver, remove the pigtail and terminate the bare wires into the controller's input terminals, ensuring correct polarity (+/-).
3. **Connect the LED lights:**
   a. Attach the LED wires to the OUTPUT side of the controller.
   b. Loosen the terminals, insert the positive wire (**brown**) into V+, cool white wire (**white**) into CW, and warm white wire (**yellow**) into WW.
   c. Tighten screws
4. **Power on the system:**
   a. Plug the power supply into an electrical outlet. If direct-wiring, connect to power to turn system on.
5. **Set dual white mode:**
   a. Press the SET button until the indicator light turns **green**. The LEDs should all turn on.
6. **Pair the controller with a wireless remote:**
   a. Refer to the remote's instructions to locate its programming button *(will differ based on model)*.
   b. Unplug the power supply for 10 seconds.
   c. Reconnect power and, within 3 seconds, press the remote's programming button multiple times per remote instructions.
   d. The lights will blink to confirm successful pairing.

Installation Instructions for Single-Color LED Lighting Systems & Momentary Dimmer:

1. **Install LED lights** following their instructions.
2. **Connect the power supply:**
   a. Plug the 12V/24V DC power supply into the receiver's INPUT side.
   b. If using a plug-in power supply, connect it via the 4" pigtail.
   c. If using a direct-wire driver, remove the pigtail and terminate the bare wires into the controller's input terminals, ensuring correct polarity (+/-).
3. **Connect the LED lights:**
   a. Attach the LED wires to the OUTPUT side of the controller.
   b. Loosen the terminals, insert the positive wire into V+, and insert the negative wire into W.
   c. If using a second LED strip, repeat these steps using the available terminals.
4. **Power on the system:**
   a. Plug the power supply into an electrical outlet. If direct-wiring, connect to power to turn system on.
5. **Set single-color mode:**
   a. Press the SET button until the indicator light turns **red**. The LEDs should all turn on.
6. **Connect momentary switch or dimmer** *(purchased elsewhere)*:
   a. Attach wires of the dimmer or switch to the DIMMING side of controller.
   b. Loosen the terminals, insert one wire into terminal marked GND and the other wire into terminal marked PUSH. Wires are not polarity-sensitive and can go into either terminal.
   c. Tighten screws.