

PRODUCT MANUAL

Micro Wireless LED Dimmer (Dimmer/Receiver)



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Product Description

Solid Apollo's Micro Wireless LED Dimmer and Receiver are a perfect solution for wireless dimming and On/Off Functionality for any Single Color LED Product that operates at 12-36V DC. You are able to use the sleek, wireless remote from any location to easily control your LED Lighting fixtures attached to the receiver.

The Micro Wireless LED Dimmer is even able to remember your last brightness setting, meaning that when you turn your lighting system off via your remote, and then back on, it will be at its last brightness setting.

Your Micro Wireless LED Dimmer is very easy to install and operate, and will give you ease of mind when you use your home or business LED Lighting system.



Main Functions

- Ultra compact Micro Wireless Dimmer remote (1.51in)
- Battery included with remote.
- On/Off function
- Full Dimming Capability
- Memory function (keeps settings even if power loss)
- Ultra smooth dimming

- Remote Control unit can be hidden almost anywhere
- Screw on Wall Holder w/ Magnetic Casing for Storing the Micro Wireless Dimmer
- Up to 30 feet control distance (Unobstructed)
- Sleek and Minimalist Design

This Manual will review

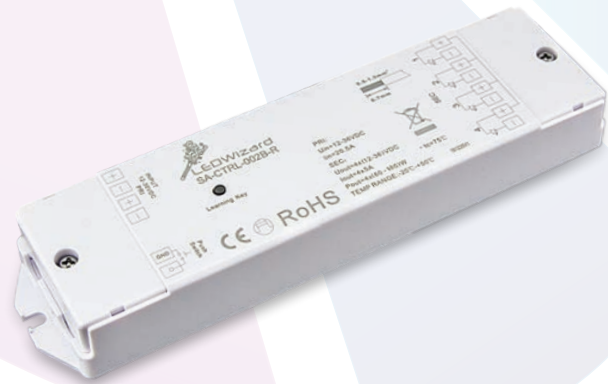
- The entire Installation Process
- Product Features and Primary Uses

- Detailed Functionality
- Technical Parameters

Micro Wireless LED Dimmer System



Remote (Transmitter)



Receiver

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Installation Guide

Solid Apollo's Micro Wireless LED Dimmer is quick and easy to install, and will operate any four-single color LED Lighting fixtures. Additionally you are able to connect a power supply of 12-36 Volt DC power to the input end of the receiver to power your LED lighting fixture. **Please note that the voltage of power you connect to the receiver will be the same voltage that it will output. For example if you attached a 12V DC power supply to your receiver, you would have 12V coming out to your lighting fixtures.** This section will show you how to setup your receiver with your lighting fixtures and power supply. Please note this system's receiver is specific to the remote, and vice versa.

1. To begin, make sure you have enough wire to reach from your power supply, to your receiver, and from your receiver to your lighting fixtures. This system only requires DC 2 wire, as it is for single color lighting fixtures.

2. Now remove the two face plates from your receiver with a phillips screwdriver.

3. Below the receiver, (see Figure 1.) you will see a two slot "screw down connector" which will house the DC 2 Wire connecting to the power Supply. Put your positive and negative wires in the corresponding spot, and connect via a female barrel conductor connector to your 12-36V DC power supply.

4. Above the Receiver (see Figure 2.) you will see an 8 slot "screw down connector" which will power one of your LED lighting fixtures per channel. Please note that the maximum allowable wattage per channel is 120W, going beyond that will cause failure to Dimmer Receiver.

5. Connect your first single color LED lighting fixture to the top slot, keeping in mind the positive and negative ports using DC 2 Wire.

6. Connect your second fixture in the same way, and once you have done this, your device can now be plugged in and used with your hand held dimmer.



Figure 2

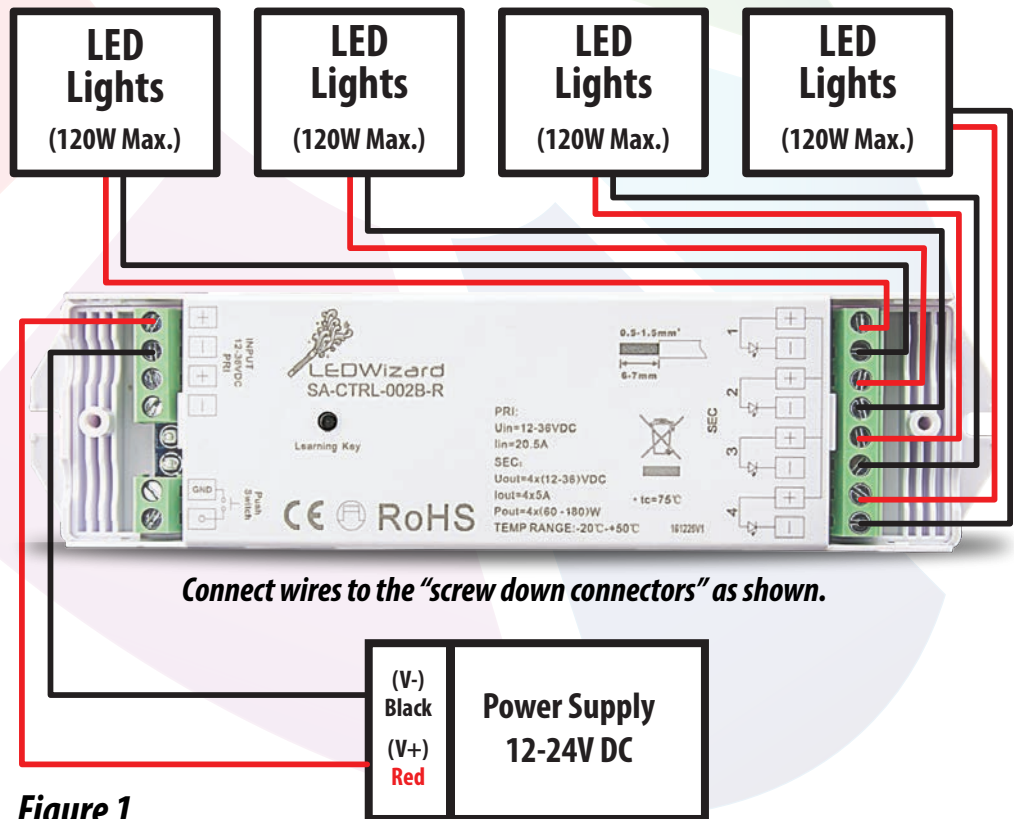


Figure 1

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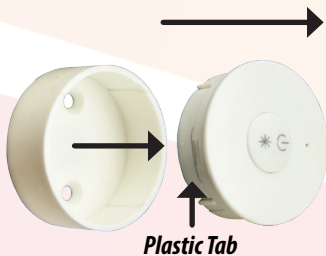
Micro Wireless LED Dimmer

Product Guide

Once you have powered on and connected the receiver to a light fixture, you will be able to use the Included Micro Dimmer to control those fixtures, by either dimming brighter or less bright, or by turning On/Off.

- To get the Micro Dimmer to work properly, you will need to pull out the **plastic tab** (between the Micro Dimmer and the battery) on the side of the Micro Dimmer. **Figure 1:** To locate the plastic tab, pull out the front face of the dimmer from its wall mount casing. Once, separated (from the Wall mount case) flip the Micro Dimmer over, on the bottom, you will see the battery compartment and within the crevice is the plastic tab. **Figure 2:** Pull the tab off the Micro Dimmer and you are now ready to sync. **Figure 3:** To open the battery compartment, pinch the ends of the battery compartment towards the middle and pull out gently. The compartment should open and would allow you to inspect or replace the battery if needed. When replacing, the positive side of the battery is facing the back side of the dimmer. Negative is towards the front face of the dimmer.

Figure 1:



Pull out the Micro Dimmer from the wall mount casing to locate plastic tab.

Figure 2:

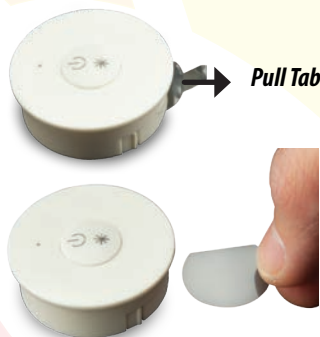
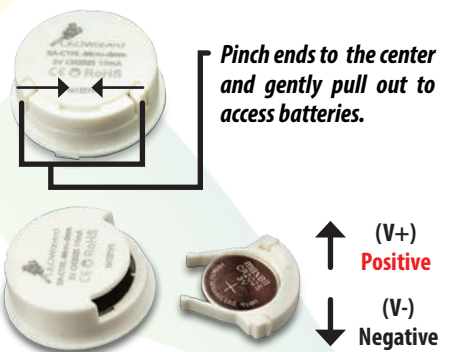


Figure 3:



- When you plug in your receiver with the LED lighting fixtures attached, your lights will turn on. You can immediately begin to sync your receiver and remote by pressing the Learning Key once on the Receiver, and then the Dim/Power Button on your remote. Your lights will blink once, signalling that your receiver and remote are fully synchronized.



Micro Wireless Remote

Height:
1.5in /38mm
Width:
0.70in /18mm

Learning Key

Specifications:

6.5in/38mm x 1.80in/45mm x 0.75in/19mm



Dimmer Receiver

- Now, you are able to dim and power on and off your lights. To power on or off your lights, simply press and release the "Dimming and Power Button" once. This will turn on and off your lights with a subtle fading effect. To dim your lights, or slowly increase the brightness, hold and press down on the "Dimming and Power Button" on your remote, and you will notice a gradual change to either a brighter or dimmer light.

Please Note that once you dim your lights all the way down to an "Off" setting, you cannot simply press the "Dimming and Power Button" to turn it off. You have to hold down the button on your remote to increase the brightness. If you press down on your remote and your lights are not turning on, this is most likely the issue you are experiencing, and by simply pressing the power button once, then holding it down, and repeating that again, you can restore your lights to the "on setting quickly and easily."

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Technical Information

Remote

- 30ft Unobstructed Control Distance
- Battery Included
- Infrared Signal

Receiver

- Power: 12-36V DC
- Output: 4 x 5A
 - 60W per channel x 4 @ 12 VDC : Max 240W**
 - 120W per channel x 4 @ 24V DC : Max 480W**
 - 180W per channel x 4 @ 36V DC : Max 720W**
- Temp Range: -4⁰F to +122⁰F