PRODUCT MANUAL

8A Mini Spare LED Dimming-Receiver

Solid Apollo™
Where light meets perfection
Contact Us: 425.582.7533
www.SolidApollo.com
Andrew@SolidApollo.com

Manual Content

Product Description

Solid Apollo's 8A Mini Spare Wireless LED Dimming-Receiver is designed to work with a variety of Solid Apollo's wireless LED Dimmers. It is a small but powerful receiver that is great for adding extra controllable zones to your project.

The dimming-receiver is designed for single-color LED fixtures. It is easy to install and wirelessly pairs with compatible dimmers. With an 8A output channel, this dimming-receiver is able to drive an impressive 96-288W at 12-36V DC respectively.

The dimming-Receiver includes an array of innovative features such as a memory function for remembering last settings prior to power loss, soft ramping technology for smooth powering up or down, smooth dimming from 100% - 1%, and a "Learning Key" button for wireless pairing with compatible Dimmers.

Product Features

- Single zone control
- Designed for single-color LED fixtures
- Pairs to variety of Solid Apollo's Dimmers
- Great power output (up to 288W at 36V DC)
- Outstanding 100% – 1% dimming
- Impressive 65 feet wireless range
- Soft ramping On/Off technology
- Easy installation and operation
- Optional detachable push switch terminal
- Memory Function - Remembers last setting before losing power

Product Specs

- Input Voltage : 12V - 36V DC
- Max Power : 96W@12V DC - 288W@36V DC
- Max Amps : 8A
- Dimension : 3.7" x 1.5" x 0.8"
- Weight : 0.15 lbs
- IP Rating : IP20
- Working Temp : - 40F - 120OF
- Warranty : 3 Years
- Certificates : CE, RoHS

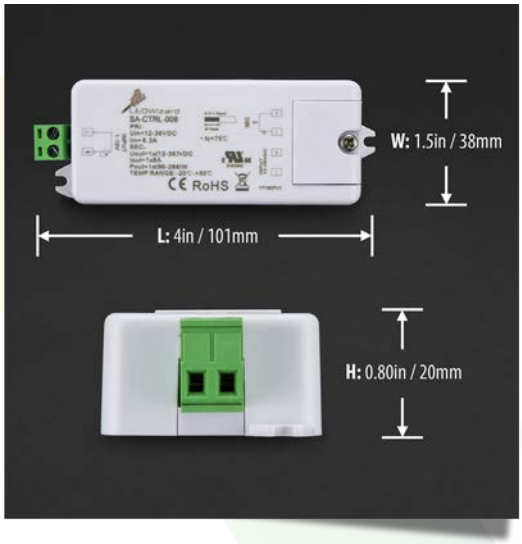
PRODUCT MANUAL

8A Mini Spare LED Dimming-Receiver

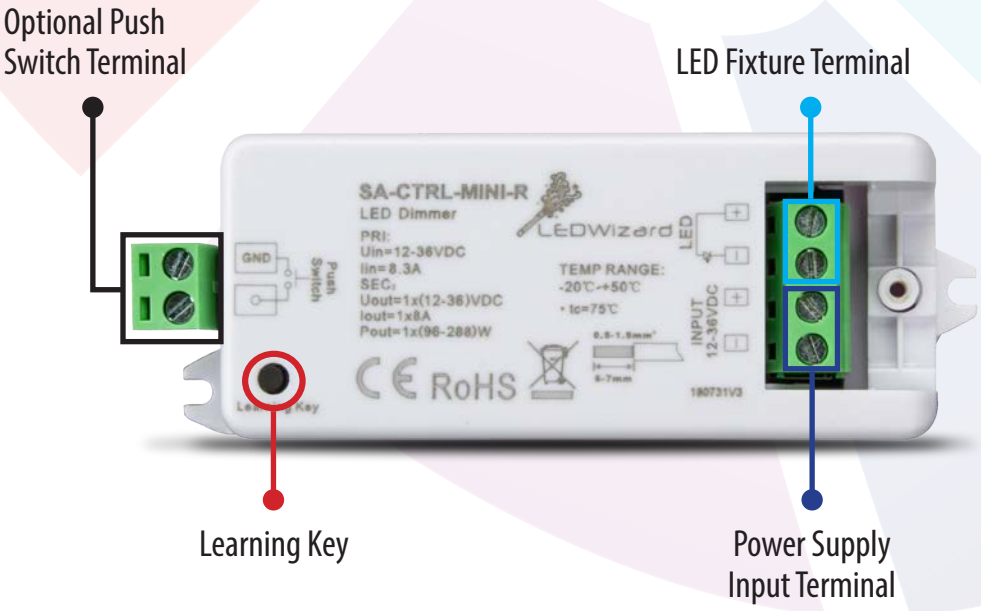
Solid Apollo™
Where light meets perfection
Contact Us: 425.582.7533
www.SolidApollo.com
Andrew@SolidApollo.com

Product Diagram and Parts

Dimming-Receiver



Dimming-Receiver Parts



PRODUCT MANUAL
8A Mini Spare LED Dimming-Receiver

Solid Apollo™
Where light meets perfection
Contact Us: 425.582.7533
www.SolidApollo.com
Andrew@SolidApollo.com

Product Wiring and Pairing

Wiring of Dimming-Receiver

Wiring of Solid Apollo's 8A Mini Spare Wireless LED Dimming-Receiver is easy and straightforward.
The tools required for the installation are Philips head screwdriver, slot head screwdriver and wire strippers.

Step 1:

Unscrew and remove the white plastic endcap to expose the green wiring terminal blocks.

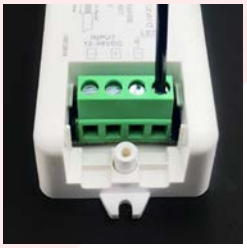

Step 2:

To add power, strip off about ¼-inch of the plastic jacket from the ends of the power supply wires to expose the metal strands. Twist each wire to bind the strands together for a better installation.

Please Note: Make sure that the power supply is NOT connected to a power source.

Step 3:

Open the green terminal-block slots located below the screw, by partially unscrewing the screws on the top.

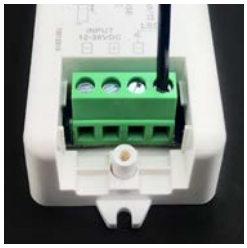
Step 4:

Securely install the stripped Power Supply wires into the opened "INPUT" side of the terminal-block by tightening back the screw. The Red wire should be connected to the "+" slot of the "INPUT" and the Black wire connected to the "-" slot.

Step 5:

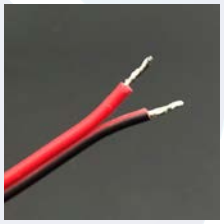
Strip off ¼" of the wires from the LED fixture and connect them to the "LED" side of the terminal-block by similarly following steps 2. and 3.

Lightly pull the wires to test and make sure that they are strongly connected. Place back the end cap removed in step 1. Wiring is complete and you can now power up.




Step 6:

Optional: You can connect a Spring-Loaded Rocker Switch to the Dimming-Receiver to control your LED fixtures with it (on/off and dimming functions). To do this, connect the Spring-Loaded Rocker Switch to the green "Push Switch" terminal-block with the positive wire from the switch connected to the "+" of the "Push Switch" terminal-block, and the negative wire from the switch connected to the "GND" slots.




Contact Us: 425.582.7533
www.SolidApollo.com
Andrew@SolidApollo.com

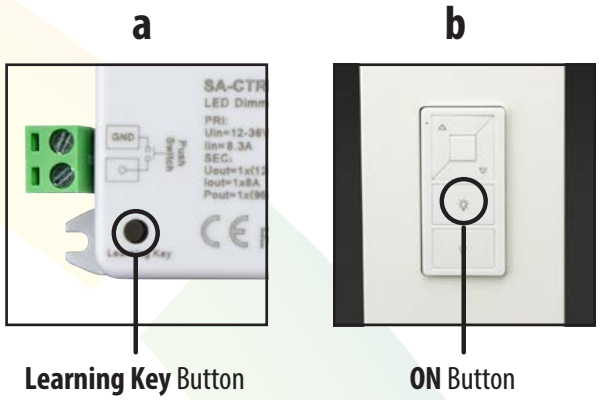
Product Wiring and Pairing

Pairing a Dimmer to the Dimming-Receiver

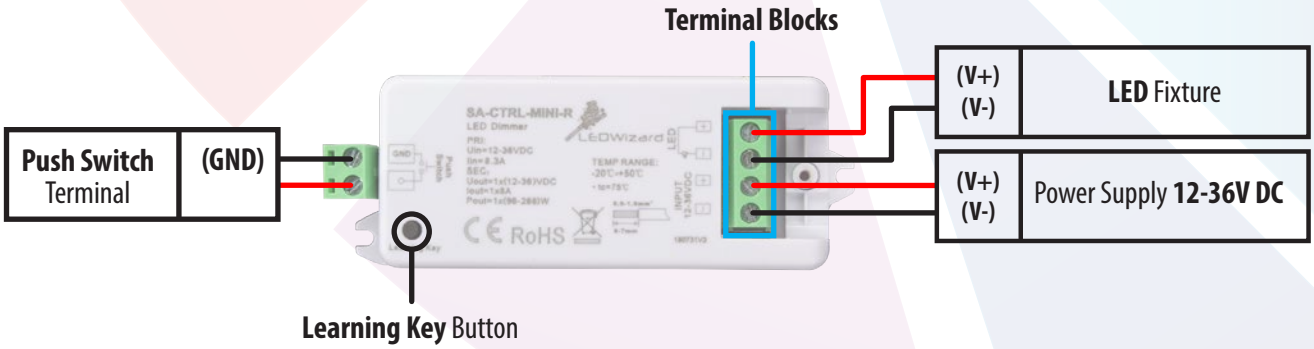
Once the Dimming-Receiver is properly wired, you can easily pair it any compatible Dimmer by tapping the "Learning Key" button and tapping the corresponding pairing button on your Dimmer. An example below shows how to pair the dimming-receiver to Solid Apollo's Magro Wireless LED Wall Dimmer.

a. Push the "Learning Key" button on the Dimming-Receiver.

b. Push and hold the ON button (depicted by a powered bulb icon) on the Magro. The lights would flash and brighten up once pairing is successful.



Wiring Diagram



Solid Apollo™
Where light meets perfection
Contact Us: 425.582.7533
www.SolidApollo.com
Andrew@SolidApollo.com

Product Troubleshooting

After pairing the Dimming-Receiver to your dimmer, if your dimmer responds to its buttons being pressed (for example, by lighting up) but the LED fixture(s) connected to the dimming-receiver does not respond accordingly then there must be issues with either wiring or pairing the dimming-receiver. This may be caused by one of a few easy to fix issues:

1. **Dimming-Receiver not powered correctly** : Check to see that the power cable for the "input" are properly wired/connected with red connected to the "+" and black connected to the "–".
2. **LED fixture wires not connected correctly**: Check to make sure that the LED fixture cables are correctly wired with red connected to the "+"and black connected to the "–" on the "LED" terminal of the dimming-receiver. Ensure that there is strong/tight contact between the wires and terminals.
3. **Dimming-Receiver not paired**: Make sure that the dimmer and dimming-receiver are paired for the system to work. See Pairing a Dimmer. . . (pg.4) in the Product Wiring and Pairing section.
4. **Dimming-Receiver not properly paired** : First, reset the system by pressing and holding the "Learning Key" on the dimming-receiver for a few seconds until the lights flash. Then re-pair again by following the Pairing a Dimmer. . . (pg.4) instructions in the Product Wiring and Pairing section.
5. **Wireless signal from Dimmer not getting to Dimming-Receiver** : Ensure that the dimming-receiver is within 65 feet range of the dimmer and not fully enclosed in a metal box.
6. **Dimmer and Dimming-Receiver wired and paired correctly, but lights not responding** : If all the wiring is done correctly and the lights flash during the pairing process to indicate successful pairing but do not respond thereafter, it may be due to the lights being completely dim. Therefore, press the "Learning Key" once and then press and hold the ON button/icon on the dimmer until the lights brighten fully. The lights should work after that.