

PRODUCT MANUAL

Desktop LED Dimmer and Receiver



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Product Description

Solid Apollo's premium Desktop LED Dimmer is specifically designed as a tabletop dimmer. The elegant and seamless design perfectly complements any modern environment. The dimmer and receiver can control up to four single color LED strips which operate between 12V to 36V DC.

The Dimmer can be used in almost any room within the 50 foot range from the receiver. The dimmer also has built in memory, and remembers the last brightness selection you choose.

The Desktop LED Dimmer is easy to install and operate, and will provide many years of easy operation.

Main Functions:

- Easy Control of Any LED Lights
- Soft On / Soft Off Function
- Battery Included
- Up to 50 feet Control
- Wireless RF Control
- Memory Function, Works Even When the Power Goes Off

This manual reviews:

- Entire installation process
- Product features and primary uses
- Detailed functionality
- Troubleshooting options
- Technical Parameters



Desktop LED Dimmer System



Dimmer Remote (Transmitter)



Receiver

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Installation

Solid Apollo's Desktop Dimmer and Receiver can control up to four different single color LED light strips together, from 12-36V. Each output has a maximum output (Wattage) of 180 Watts. Each output will be dimmed and powered off together as a whole once the Desktop Dimmer is paired with the receiver. There is also the option of an external switch to control the lights manually.

Tools Required:

Philips Screwdriver
Wire Stripper

Please note for the power supply, other accessories may be required. The instructions listed here only advise on using two wires to connect to the receiver.

Setting up the dimming system:

This section will show you how to complete the wiring for the receiver, which will connect the power supply and the LED light strip(s).



- 1 Remove the white plastic end caps on both ends of the receiver using the Philips screwdriver. This will expose the green wiring boxes.



- 2 The power supply wires need to be connected. Make sure the power supply is not plugged in. Take the negative wire (black), and using a Wire Stripper, strip off approximately 1/4" of plastic cover from the end of the wire. Twist the exposed metal wires to help make a secure connection.



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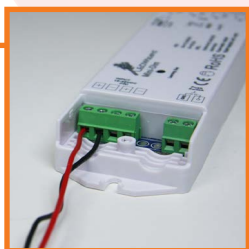
- 3 On the left green wiring boxes, use the Philips Screwdriver to unscrew the negative wiring box screw to open the wiring door completely. The screw will not come out.



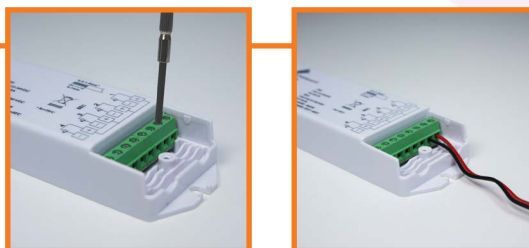
- 4 Take the negative wire and insert the exposed metal end into the negative wiring box located below the screw. Place the wire inside until the wire stops against the back of negative wiring box. Take the Philips Screwdriver and turn the screw down until the screw is snug. The negative wire has now been secured to the receiver and should not come out. Gently pull on the wire to make sure it will not come off. If it does come out, repeat from step two, and place the exposed metal wire further into the negative wiring slot.



- 5 Repeat steps two through four for the positive wire (red) of the power supply. The positive wire will go into the positive wiring slot.



- 6 On the right side of the receiver, connect the first set of LED light strips. Take the negative wire, and repeat steps two through four above, but connect the wiring in the right side green wiring boxes using the negative wiring slot. Repeat again for the positive wire but using the positive wiring slot.



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- 7 At this time, you can attach up to three more LED light strips by repeating step six using the right side green wiring blocks. Only one LED light strip connection is required to run the lights.

- 8 The wiring for the receiver is now complete. Place the white receiver end caps back on the receiver making sure the wiring comes out of one of the two side wiring holes. Screw the caps down securely using the Philips Screwdriver.



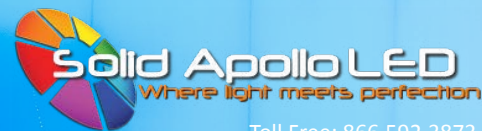
- 9 Plug in the power supply to the wall outlet. The LED lights will turn on automatically. The unit is now ready to pair with the dimmer.

Receiver Wiring Diagram:



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Pairing the Desktop Dimmer and Receiver

This section will show you how to pair your new Desktop Dimmer with the receiver.



Learning Key Button Location



Dimmer Knob Rotation



Dimmer Knob On/Off

1 First, make sure the LED light strip is plugged in and the lights are shining.

2 Take the Desktop Dimmer and remove the plastic cover. To do this, pull up on the knob. The knob will come off of the dimmer housing. Pull off the plastic cover by pulling up on one of the corners.



3 To place the knob back on the plastic housing, first make note of the shaft it will slide onto. There is a flat area on the shaft that needs to line up with the hole on the underside of the knob. As the knob is placed back on the shaft, carefully match both flat areas together. The knob will slide on when both flat areas are aligned.



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- 4 On the Desktop Dimmer, pull out the plastic battery holder located on the right side of the device. Insert the included battery with the positive side facing down. Re-install the plastic battery holder into the Desktop Dimmer.



- 5 Carefully place the dimmer on its side to insert the battery holder screw. Please note the battery and holder can easily fall out. Take the provided medium size screw and using the Philips Screwdriver, insert the screw into the hole on the underside of the plastic batter holder. Tighten down the screw until it is snug. The Desktop Dimmer is now ready to pair with the receiver.



- 6 Make sure the receiver and the dimmer are within several feet of each other. On the receiver, push the Learning Key button once. On the dimmer, rotate the button back and forth. The LED light strip will flash when the receiver and dimmer are paired. This should happen within the first five seconds. The Desktop Dimmer is now ready to work.



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Operating the Desktop Dimmer

This section will show you how to use your new Desktop LED Dimmer.



Dimmer Knob Rotation



Dimmer Knob On/Off

- 1 To turn on the lights, push the button down once. To turn off the lights, push the button down once.
- 2 To dim the lights, first turn the lights on. Then rotate the button to the left to dim the lights. Rotate the button to the right to increase the brightness of the lights.

Troubleshooting

This section will show you how to troubleshoot the Desktop LED Dimmer system.

- 1 If you are having problems with LED lights responding to the Desktop Dimmer, first check that the dimmer is within range of the receiver (50 feet maximum).
- 2 Check the battery in the dimmer is correctly installed with the writing on the battery facing upwards in the holder.
- 3 You can re-pair the dimmer and the receiver by following these steps:
 - A On the receiver, hold the Learning Key button down for 10 seconds. This will reset the system to its default setting.
 - B Push the Learning Key button once, then rotate the button on the Desktop Dimmer back and forth until the lights blink. The dimmer and receiver are now paired.

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Technical Information

Controller

- 31 step precise dimming from 0% to 100% brightness
- Battery Included (CR2025)
- Anti-Slip Rubber Feet

Receiver

- Operating Voltage 12V DC to 36V DC
- 4 x 5A Output Channels
- Overheat Protection
- Short Circuit Protection
- PWM Dimming
- Up to 480W of Single Color LED Lights