TASK™
lighting & power

Multi-Color RGB Wireless Controller LED Tape Light Kit
Installation Instructions

Light & Power
5 YEAR WARRANTY

Accessories
3 YEAR WARRANTY

RGB Kit Includes:

RGB Wireless On / Off / Dimmer / Multi-Color Tuner
T-C-RGBWC-RF-WT
with T-DPL-WT

RGB Receiver (180 watt)
T-C-RGB180

16 ft. roll Multi-Color RGB Series tape light
L-RGB-M300-16

60 watt plug-in Power Supply
T-60W-12V-PI

Female Plug Connector (To connect power supply to receiver)
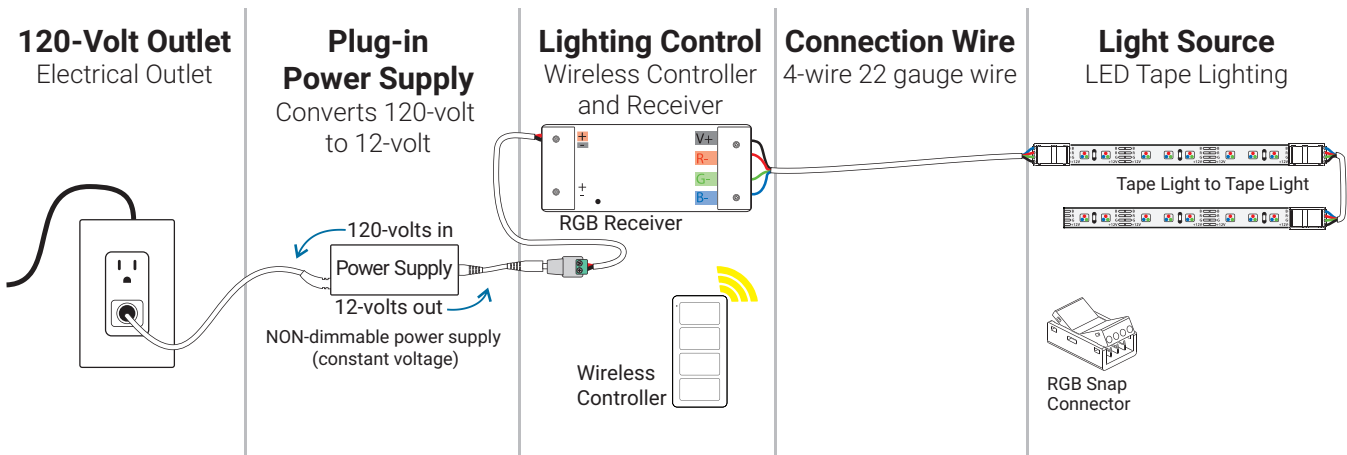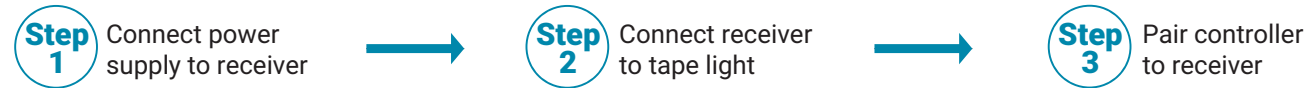T-FPC

(6) RGB LED tape light to 4-wire connectors
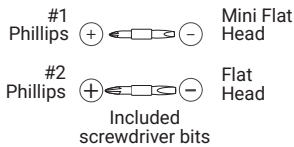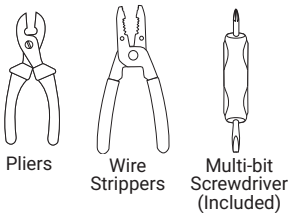L-10MM-RGB-WTT

25 ft. roll 4-wire connection wire
L-RGB-4C-WIRE

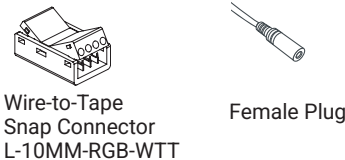Also includes multi-bit screwdriver and adhesive wipe for surface preparation.

Overview of RGB Kit Hookup Diagram

Step 1 Connect power supply to receiver → **Step 2** Connect receiver to tape light → **Step 3** Pair controller to receiver

120-Volt Outlet
Electrical Outlet

Plug-in Power Supply
Converts 120-volt to 12-volt

Lighting Control
Wireless Controller and Receiver

Connection Wire
4-wire 22 gauge wire

Light Source
LED Tape Lighting

120-volts in
Power Supply
12-volts out
NON-dimmable power supply (constant voltage)

V+
R–
G–
B–
RGB Receiver

Wireless Controller

Tape Light to Tape Light

RGB Snap Connector

Tools Needed

Pliers

Wire Strippers

Multi-bit Screwdriver (Included)

#1 Phillips (+) — (−) Mini Flat Head
#2 Phillips (+) — (−) Flat Head
Included screwdriver bits

Product Legend

Wire-to-Tape Snap Connector
L-10MM-RGB-WTT

Female Plug
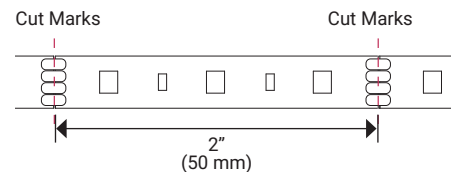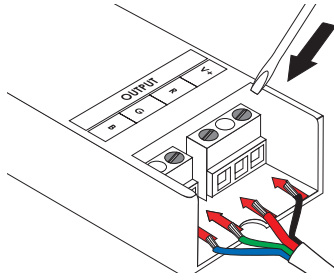
NOTE

- **DO NOT** connect low-voltage LED tape light to high-voltage power.
- Do not over tighten any screws.
- Maintain polarity on all tape connections, Blue to B, Green to G, Red to R, Black to (V+).
- Maximum 32.8 feet of Tape Light can be connected together.
- For shorter lengths of Tape Light, cut with scissors at cut marks where a black line runs through 4 solder points – **CUT AT DESIGNATED CUT LINES ONLY.**
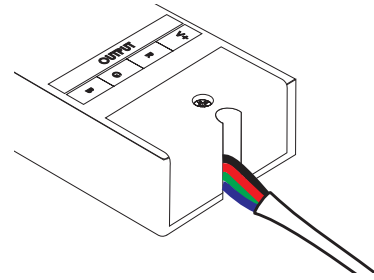
Cut Marks   Cut Marks

2"
(50 mm)

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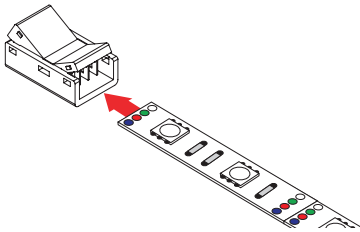## Step 1. Connect Receiver to Tape Light with RGB Tape to Wire Snap Connector

1. Cut a length of 4-wire connection wire to run from RGB Receiver to Tape Light location. On the end of the wire going into the receiver, strip 3/4" white sheathing, then strip 1/4" insulation from end of wire, twist each wire, and fold stripped wires in half. **DO NOT** strip ends of wire that will go into the connector.
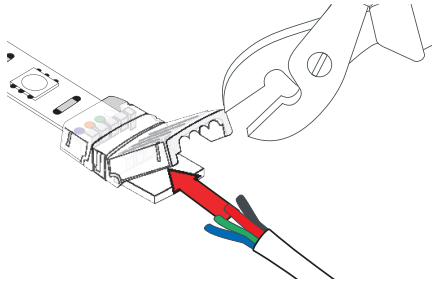
2. Loosen the 4 terminal screws on OUTPUT side of Receiver. Insert the 4 connector wires into their corresponding terminals, Blue to B, Green to G, Red to R, Black to (V+). Tighten screws.

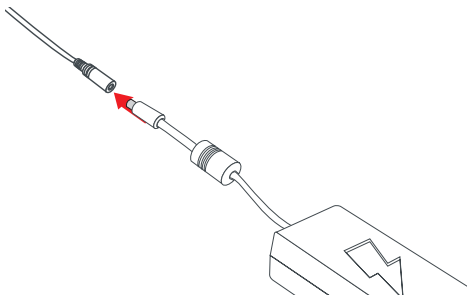**3.** Replace Receiver terminal covers, making sure wires are not pinched. Tighten Screw.

4. Peel back 1/2" of adhesive protector from back of RGB Tape Light; insert end of Tape Light all the way into short side of connector. Close cap and press gently with pliers to secure connection.
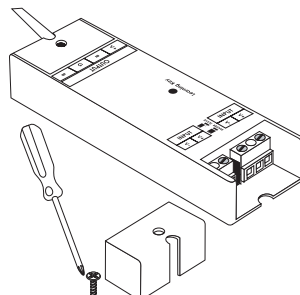
5. Leaving insulation intact, insert the 4 colored RGB wires into corresponding wire channel on long side of connector. Close cap and press gently with pliers until you hear the snap to ensure secure connection. The connector will cut through insulation to make contact.

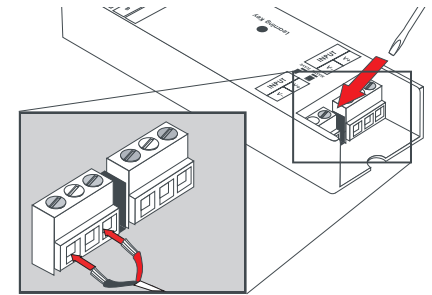## Step 2. Connect Power Supply to Receiver

NOTE: When using a plug-in power supply, use existing outlet behind the microwave, refrigerator, dishwasher, or under the sink.
If using our in-line low voltage switches, sensors, tape lighting, or Wireless Control systems, see instructions packaged with the components.

1. Insert the Male Barrel Connector on the Power Supply into the Female Plug Cable.
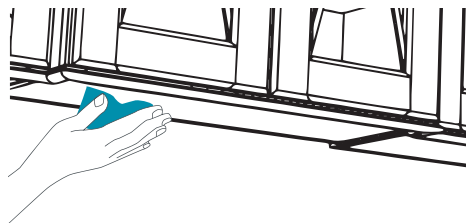*NOTE: The power supply should NOT be plugged in until installation is complete.*

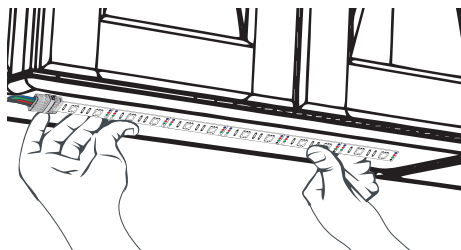**2.** Use #2 Philips and loosen screw to remove caps on DC INPUT side of receiver.

3. Loosen DC INPUT side terminal screws marked V+ and V-. Insert Red wire from Female Plug Cable into (V+) and Black wire into (V-). Tighten Screws.

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Step 3. Mount Tape Light

For fuller countertop coverage, install the Tape Light 1-1/2" from the back of the cabinet face frame or light rail.
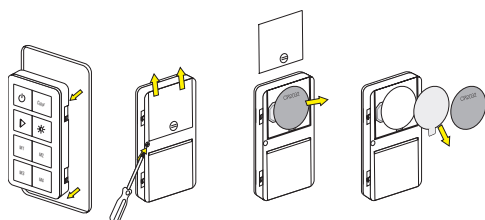
1. Make sure mounting surface is clean, dry, oil-free, and dust-free. Using the Adhesive Promoter Wipe will ensure an extra tight bond to surface.
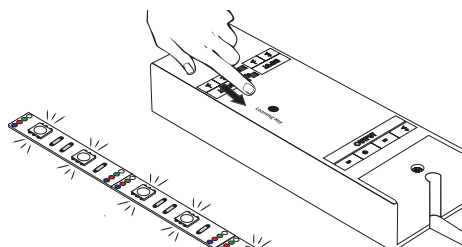
2. Peel the adhesive backing from the Tape Light and mount directly to cleaned surface. Use adhesive pads for securing the connectors to surface.
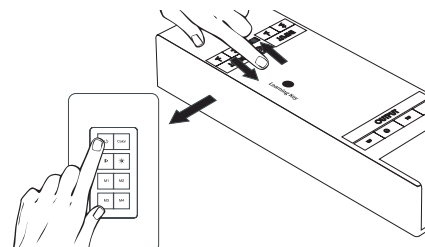
Step 4: Pairing Receiver to Controller

1. Remove Controller from back plate, slide battery compartment open, remove battery, and discard clear plastic tab. Reinsert battery, replace cover.
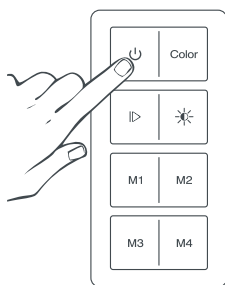
2. If setting the receiver up for the first time, clear the memory by pressing and holding the "Prog." button until the lights blink.
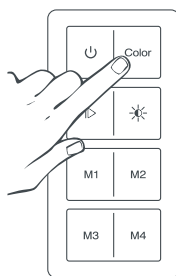
3. Very quickly, click and release the "Prog." button and, within 5 seconds, quickly click and release one of the "Up arrow" buttons on the Controller. When lights blink once, Controller and Receiver are paired.

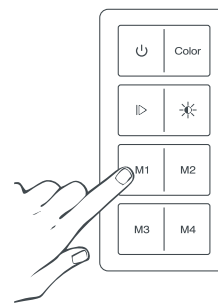*NOTE:* when pairing additional controllers to the same receiver, DO NOT clear the memory.
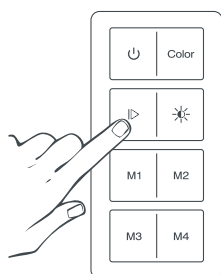
Step 5: Using the Controller buttons

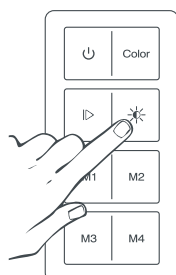**1.** Press the POWER button to turn lights on. Press the POWER button again to turn lights off.

2. Press the COLOR button on Controller to rotate through the colors, one by one. Alternatively, press and hold COLOR button to scroll through colors. Release button when desired color is reached.

3. To save a color, press and hold the M1 button until the lights flash. Continue the same procedure with M2, M3, and M4 buttons.

4. Press the (▷) PLAY button to set a fade mode. Press again to pause. Press and hold to change the fade speed.

5. Press the BRIGHTNESS button (✳) and hold to dim or brighten the lights.

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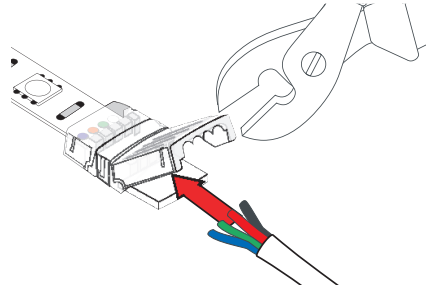
Accessories
3YEAR**WARRANTY**

Troubleshooting

Connector

ISSUE
Lights are not turning on, but system looks like it is wired properly.

SOLUTION
Gently pry open the connector with a flathead screwdriver. Check to make sure no cuts have been made in the wire. Re-insert the 4 colored RGB wires into corresponding wire channel. Close cap and press gently with pliers. The connector will snap ensuring a secure connection.
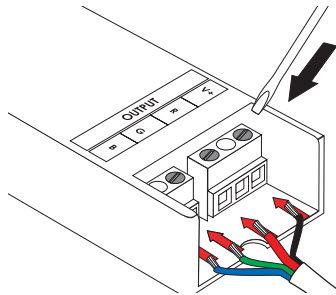
Polarity and Wiring

ISSUE
Not all colors appear when cycling through lights.

SOLUTION
A wire may not be fully inserted or may be crossed. Loosen the 4 terminal screws on OUTPUT side of Receiver. Remove the wires, re-twist, and insert them into their corresponding terminals, Blue to B, Green to G, Red to R, Black to (V+). Tighten screws.

Pro Tip – if the lights come on but one or two colors are not working, squeeze down on the wire side of the connector. If a missing color comes on, the issue is poor connection inside the connector.

Controller

ISSUE
Controller is not turning lights on.

SOLUTION
When pairing the controller to receiver, DO NOT press and hold the learn key. Quickly click the "Learn" key on the receiver and then click the Power button on the controller to properly pair the two. The controller should now turn lights on, off, and change colors.