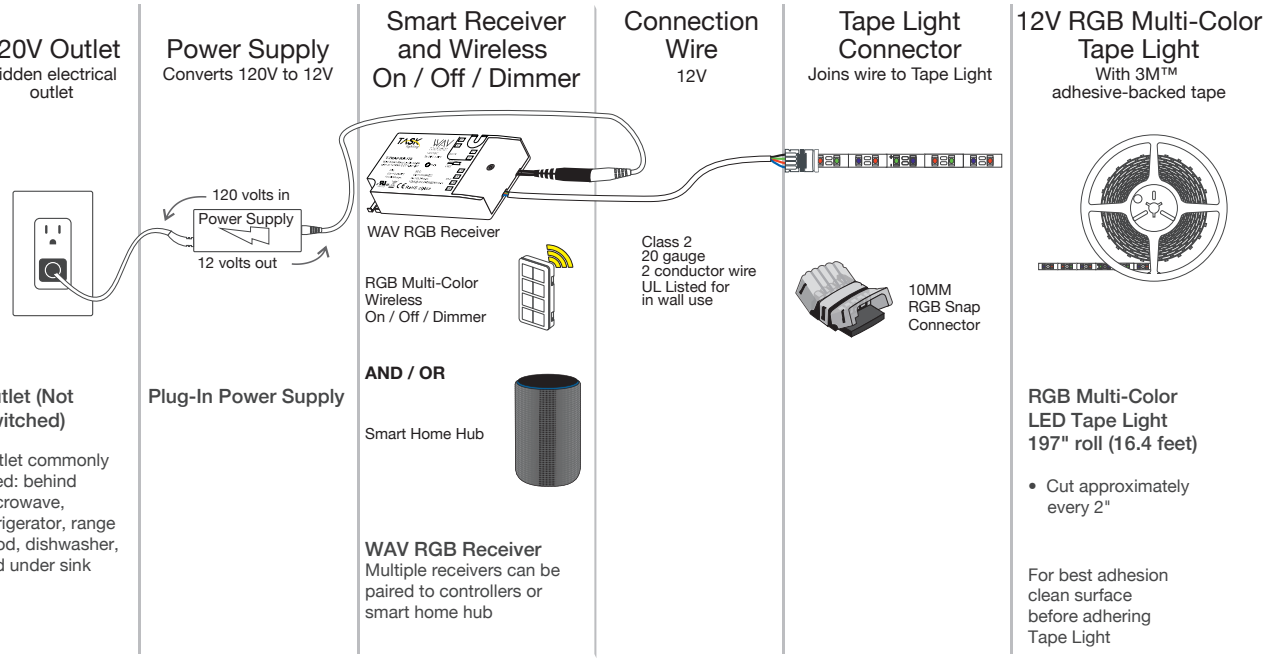
WAV RGB Smart Receiver

Installation Instructions Overview

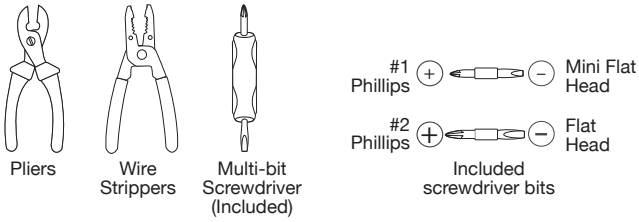
Part Number	Description
T-TWAV-RGB-180	180 watt WAV smart LED receiver for RGB Multi-Color LED Lighting. Allows you to use a wireless RF controller, a third-party Smart Home app, or voice via Smart Home Hub to turn lights on / off / dim and change colors. Use with RGB Wireless RF Controller (T-C-RGBWC-RF-Color).

Overview of WAV Smart Receiver Hookup Diagram

Step 1. Connect Power Supply to Receiver → **Step 2.** Connect Receiver to Tape Light → **Step 3.** Pair Receiver to Wireless Controller or Smart Home Hub



Tools Needed



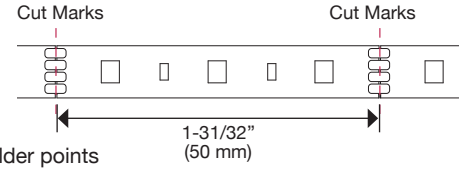
Product Legend

Snap Connector
L-10MM-RGB-WSC

Factory installed 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 connections, Red to (+) and Black to (-).
- 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.**



Pre-Installation Testing

1. Insert RGB 4-wire – into WAV RGB Smart Receiver. Blue wire to (B-), Green wire to (G-), Red wire to (R-), and Black wire to (+).

3. Plug-in Power Supply – Plug Power Supply into 120V receptacle. Insert Male Plug from Power Supply into Female Plug on WAV RGB Smart Receiver.

4. Unplug Power Supply – after verifying LED illumination, disconnect LED Tape Light from Power Supply.

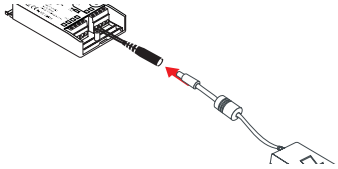
WAV RGB Smart Receiver

Installation Instructions

Step 1. Connect Power Supply to Receiver

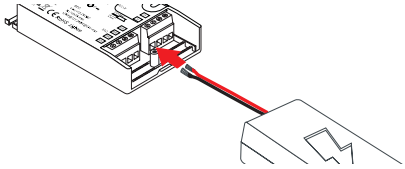
NOTE: When using a plug-in power supply, use existing outlet behind the microwave, refrigerator, dishwasher, or under the sink.
If using our in-line low voltage switches, sensors, tape lighting, or Wireless Control systems, see instructions packaged with the components.

Plug-In Power Supply



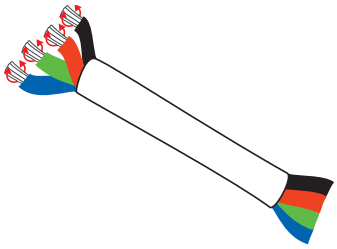
Insert the Male Barrel Connector on the Power Supply into the Female Plug Cable on the Receiver.

Waterproof Hardwired Power Supply

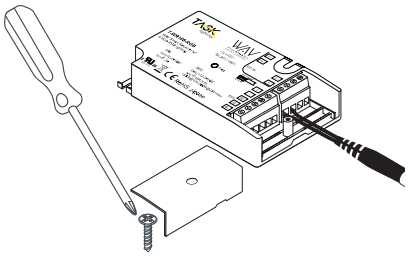


Insert Red wire from Power Supply to (V+) on WAV Smart Receiver and Black Wire from Power Supply to (V-).

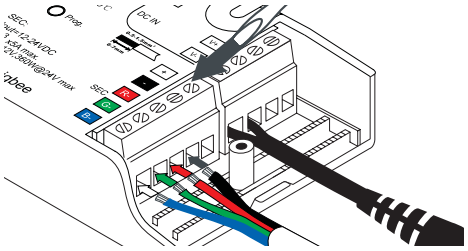
Step 2. Connect Receiver to Tape Light with RGB Tape to Wire Snap Connector



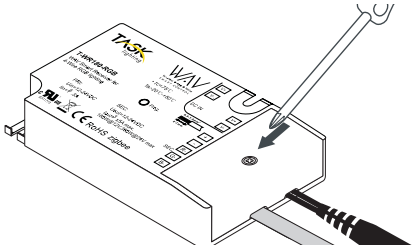
1. Cut a length of 4-wire connection wire to run from WAV RGB Smart Receiver to Tape Light location. On the end of the wire going into the receiver, strip 3/4" white sheathing, then strip 1/4" insulation from end of wire, twist each wire, and fold stripped wires in half. **DO NOT** strip ends of wire that will go into the connector.



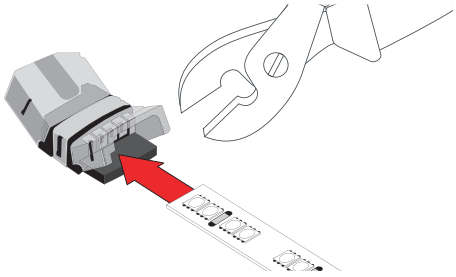
2. Use #2 Phillips to loosen screw and remove cover from WAV RGB Smart Receiver. Use the flat head from the multi-bit screwdriver to loosen terminals marked (B-), (G-), (R-), and (+).



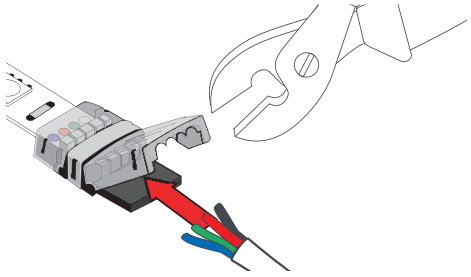
3. Insert one end of stripped 4-wire connection wire into their corresponding terminals, Blue wire to (B-), Green wire to (G-), Red wire to (R-), and Black wire to (+). Tighten screws.



4. Replace the WAV RGB Smart Receiver terminal cover, ensuring wires are not pinched too tightly. Tighten Screw.



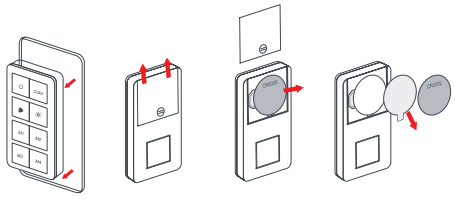
5. Peel back 1/2" of adhesive protector from back of RGB Tape Light; insert end of Tape Light all the way into short side of connector. Close cap and press gently with pliers to secure connection.



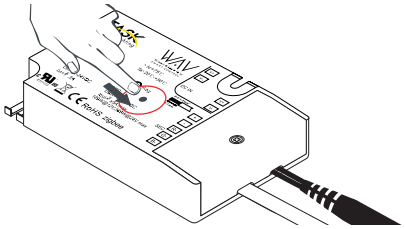
6. Leaving insulation intact, insert the 4 colored RGB wires into corresponding wire channel on long side of connector. Close cap and press gently with pliers to secure connection. The connector will cut through insulation to make contact.

Step 3. Pair Receiver to Wireless Controller

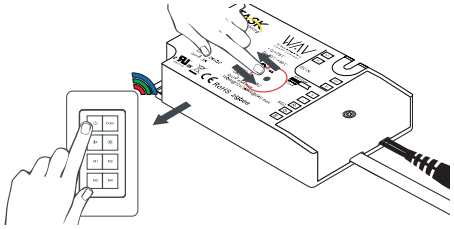
Pairing Instructions – if pairing to a Smart Home Hub, visit www.Vimeo.com/Channels/WAVSmartControl



1. Remove Controller from back plate, slide battery compartment open, remove battery, and discard clear plastic tab. Reinsert battery, replace cover.



2. If setting WAV RGB Smart 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 the "Power" button 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.