Wireless RGB LED Remote Control Instructions

Important Safety Information

You must read all installation instructions before beginning the installation. If you experience difficulty during the installation, contact FUSION® Product Support.

What's in the Box?
- Wireless RGB LED remote control
- Remote control receiver
- Remote control cradle
- 7.5 A in-line fuse
- Important safety and product information document

Supplies and Tools Needed
- 2-conductor 22 AWG (0.33 mm^2) wire to connect the remote control receiver to the power source
- 4-conductor 22 AWG (0.33 mm^2) wire (or equivalent combination of 2-conductor wire) to connect the receiver to the RGB LED speakers
- Cable ties or adhesive for mounting the receiver
- 4 gauge (3 mm) countersunk stainless-steel screws for mounting the remote cradle (optional)
- 3 mm flat screwdriver
- Wire cutters
- Drill and drill bits for mounting the remote cradle (optional)
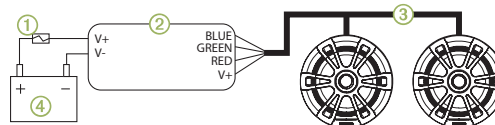
Mounting and Connection Considerations

When selecting a location for the remote control receiver and making the wiring connections, observe these considerations.

- The receiver housing is not weather proof, and the receiver must be installed in a location that is not exposed to the elements.
- You can connect a single receiver to up to 4 RGB LED speakers (2 pair). You must use an additional receiver (sold separately) to connect to additional LED speakers.
- You can pair a remote control with up to three receivers.

Connecting the Remote Control Receiver

You can connect up to 4 (2 pair) of RGB LED speakers to one remote control receiver.

1. Route a power wire (not included) from a 12 Vdc power source ① to the location of the receiver ②.

2. Install the included 7.5 A fuse ③ on the power wire.
3. Route 4-conductor wire ④ (not included) from the receiver to the speakers you want to control, joining the wire where needed ⑤ to connect up to 4 speakers.
4. Connect the 4-conductor wire to the RGB connectors on the speakers according to the installation instructions provided with the speakers.
5. Loosen the wire terminal screws on the bottom of the receiver using a 3 mm flat screwdriver.
6. Connect the power and RGB speaker wires to the wire terminals on the sides of the receiver.

Letter on receiver label	Wire color or function
V+ (left side)	12 Vdc positive (+)
V- (left side)	12 Vdc negative (-)
BLUE	RGB blue wire
GREEN	RGB green wire
RED	RGB red wire
V+ (right side)	RGB 12 Vdc positive (+) (common) wire

7. Tighten the wire terminal screws on the bottom of the receiver.
8. Secure the receiver to the mounting location using cable ties or adhesive (not included).

Installing the Remote Control Cradle

You can install the included remote cradle to store the remote when not in use. Mounting hardware for the cradle is not included.

> **NOTICE**
> Because the remote control is not weatherproof, you must install the cradle in a location that is not exposed to the elements.

1. Using the cradle as a template, mark the two pilot holes.
2. Remove the cradle from the mounting surface and drill the pilot holes.

> **NOTICE**
> Do not drill through the cradle when drilling the pilot holes. This may damage the cradle.

3. Secure the cradle to the mounting surface using two 4 gauge (3 mm) countersunk stainless-steel screws.

Installing the Batteries

You must install AAA alkaline batteries (not included) in the remote control.

1. Slide the battery door ① to the back of the remote, and pull up to open it.

2. Insert two AAA batteries, observing polarity.
3. Slide the battery door back onto the remote to close it.

Remote Control Operation

I	LED power on (*Turning the LEDs On and Off*, page 3)
O	LED power off
①	LED color-selection wheel (*Changing the Color of the LEDs*, page 3)
②	Light: activates when the remote sends a signal to the receiver
B	LED brightness (*Changing the Brightness of the LEDs*, page 3)
S	LED mode speed (*Changing the Speed of a Display Mode Pattern*, page 3)
M	LED display mode (*Changing the Display Mode of the LEDs*, page 3)
1 2 3	Remote control receiver selection (*Pairing Additional Receivers to the Remote*, page 4)

Turning the LEDs On and Off

After you connect the remote control receiver to the speaker LEDs, you must use the remote control to turn the LEDs on and off.

1 If you installed more than one receiver, press the group number to select the receiver to control (*Pairing Additional Receivers to the Remote*, page 4).

2 Press I.

The LEDs connected to the receiver turn on with the same color and mode settings applied before the last time you turned them off.

3 Press O to turn off the LEDs connected to the receiver.

Changing the Color of the LEDs

1 If you installed more than one remote control receiver, press the group number to select the receiver to control (*Pairing Additional Receivers to the Remote*, page 4).

2 If necessary, turn on the LEDs for the speakers you want to change.

3 Select an option:
   - Touch the color wheel to select a new color, and slide your finger to fine-tune it.
   - Hold I to change the LED color to white.

   NOTE: If you installed more than one remote control receiver, you can hold the group number to change the LED color for that group to white.

Changing the Brightness of the LEDs

1 If you installed more than one receiver, press the group number to select the receiver to control (*Pairing Additional Receivers to the Remote*, page 4).

2 If necessary, turn on the LEDs for the speakers you want to change.

3 Select an option:
   - To increase the LED brightness, press + above B.
   - To decrease the LED brightness, press − below B.

Changing the Display Mode of the LEDs

You can cycle through a pre-defined set of LED flashing, breathing, or color-changing effects *Display Mode Options*, page 3.

1 If you installed more than one remote control receiver, press the group number to select the receiver to control (*Pairing Additional Receivers to the Remote*, page 4).

2 If necessary, turn on the LEDs for the speakers you want to change.

3 Select an option:
   - To select the next mode in the sequence, press + above M (*Display Mode Options*, page 3).
   - To select the previous mode in the sequence, press − below M.

4 Touch a color on the color wheel to stop the display mode and return to a solid color.

Display Mode Options

You can select among 12 different color and transition patterns. When you reach the end or beginning of the cycle of display modes by pressing + or −, the cycle loops to the beginning or end.

Display mode 1	RGB jumping change
Display mode 2	RGB fading change
Display mode 3	7-color jumping change
Display mode 4	7-color flashing change
Display mode 5	7-color fading change
Display mode 6	7-color gradient change
Display mode 7	White only, fades in and out
Display mode 8	Red only, fades in and out, then flashes 3 times
Display mode 9	Green only, fades in and out, then flashes 3 times
Display mode 10	Blue only, fades in and out, then flashes 3 times
Display mode 11	White only, fades in and out, then flashes 3 times
Display mode 12	Automatically cycle through the previous 11 display modes

Changing the Speed of a Display Mode Pattern

You can adjust the speed of the effects when using a display-mode pattern.

1 If you installed more than one remote control receiver, press the group number to select the receiver to control (*Pairing Additional Receivers to the Remote*, page 4).

2 If necessary, turn on the LEDs for the speakers.

3 If necessary, select a the display mode (*Changing the Display Mode of the LEDs*, page 3).

4 Select an option:
   - To increase the speed of the display-mode-pattern effect, press + above S.
   - To decrease the speed of the display-mode-pattern effect, press − below S.

Pairing Additional Receivers to the Remote

You can install more than one remote control receiver to control additional sets of speakers. You can then pair and control up to 3 receivers with 1 remote control.

NOTE: The remote is paired at the factory with the included receiver as group 1.

1   Disconnect power from the receiver you want to pair with the remote.

2   Reconnect power to the receiver.

3   Within 6 seconds, hold for at least 2 seconds the group number (1, 2, 3) to assign to the receiver.

   The light in the center of the color wheel flashes 3 times to indicate a successful pairing.

4   Release the group number to complete the pairing.

Disconnecting a Receiver Group from the Remote

If you no longer want to control a remote control receiver you paired to a remote control, you can disconnect the group number on the remote from the paired receiver.

1   Disconnect power from the receiver you want to disconnect from the remote.

2   Reconnect power to the receiver.

3   Within 6 seconds, hold for at least 2 seconds the group number on the remote (1, 2, or 3) to disconnect the receiver.

   The light in the center of the color wheel flashes 9 times to indicate a successful disconnection.

4   Release the group number to complete the disconnection process.

Specifications

Input voltage	10.8 to 16 Vdc
Fuse	7.5 A
Max. capacity	Up to 8 RGB LED speakers (4 pair)
Operating temperature	0 to 50°C (32 to 122°F)
Storage temperature	-20 to 70°C (-4 to 158°F)
Battery type	2 AAA (not included)
Radio frequency	2.4 GHz @ 10 dBm nominal
Range	Up to 10 m (30 ft.)
Water resistance	Remote control receiver and remote control are not water or dust resistant.

Registering Your Wireless RGB LED Remote Control

Help us better support you by completing our online registration today.

• Go to website.

• Keep the original sales receipt, or a photocopy, in a safe place.