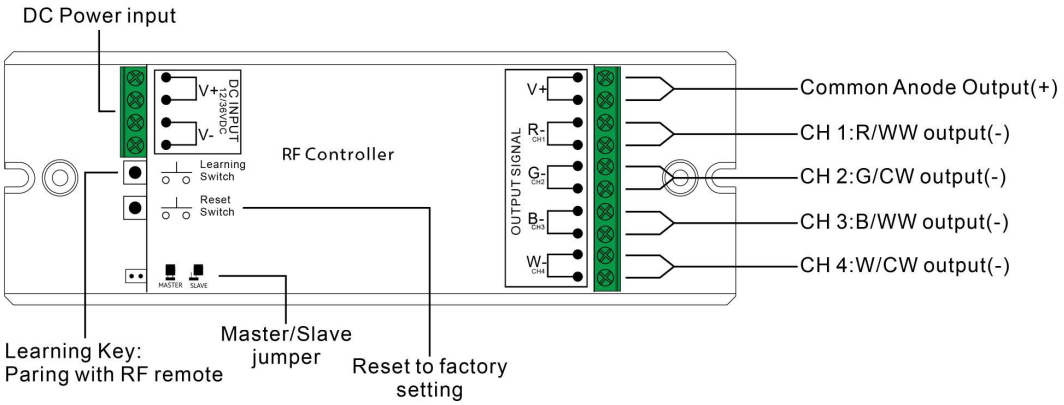
ZIP RGBW RF Receiver

09.009EW.04010

Important: Read All Instructions Prior to Installation

Function Introduction



Product Data

Single Color

Input Voltage	Output Current	Output Power	Remarks	Size (LxWxH)
12VDC	8A	96W	Constant voltage	6.7”x2.3”x1.1”
24VDC	8A	192W		
36VDC	8A	288W		

Changing Color (CCT)

Input Voltage	Output Current	Output Power	Remarks	Size (LxWxH)
12VDC	2x8A	192W	Constant voltage	6.7”x2.3”x1.1”
24VDC	2x8A	384W		
36VDC	2x8A	576W		

Changing Color (RGB)

Input Voltage	Output Current	Output Power	Remarks	Size (LxWxH)
12VDC	3x8A	288W	Constant voltage	6.7”x2.3”x1.1”
24VDC	3x8A	576W		
36VDC	3x8A	864W		

Changing Color (RGBW)

Input Voltage	Output Current	Output Power	Remarks	Size (LxWxH)
12VDC	4x8A	384W	Constant voltage	6.7”x2.3”x1.1”
24VDC	4x8A	768W		
36VDC	4x8A	1152W		

- Radio Frequency: 869.5/916.5/434mhz.
- Waterproof grade:IP20.

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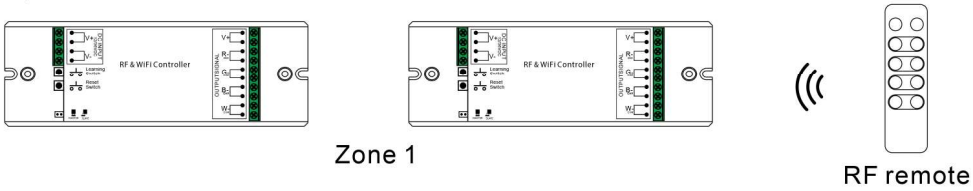
Safety & Warnings

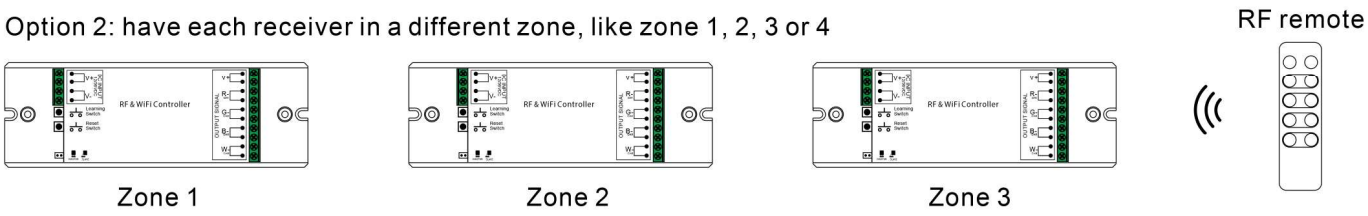
- DO NOT install with power applied to device.
- DO NOT expose the device to moisture.

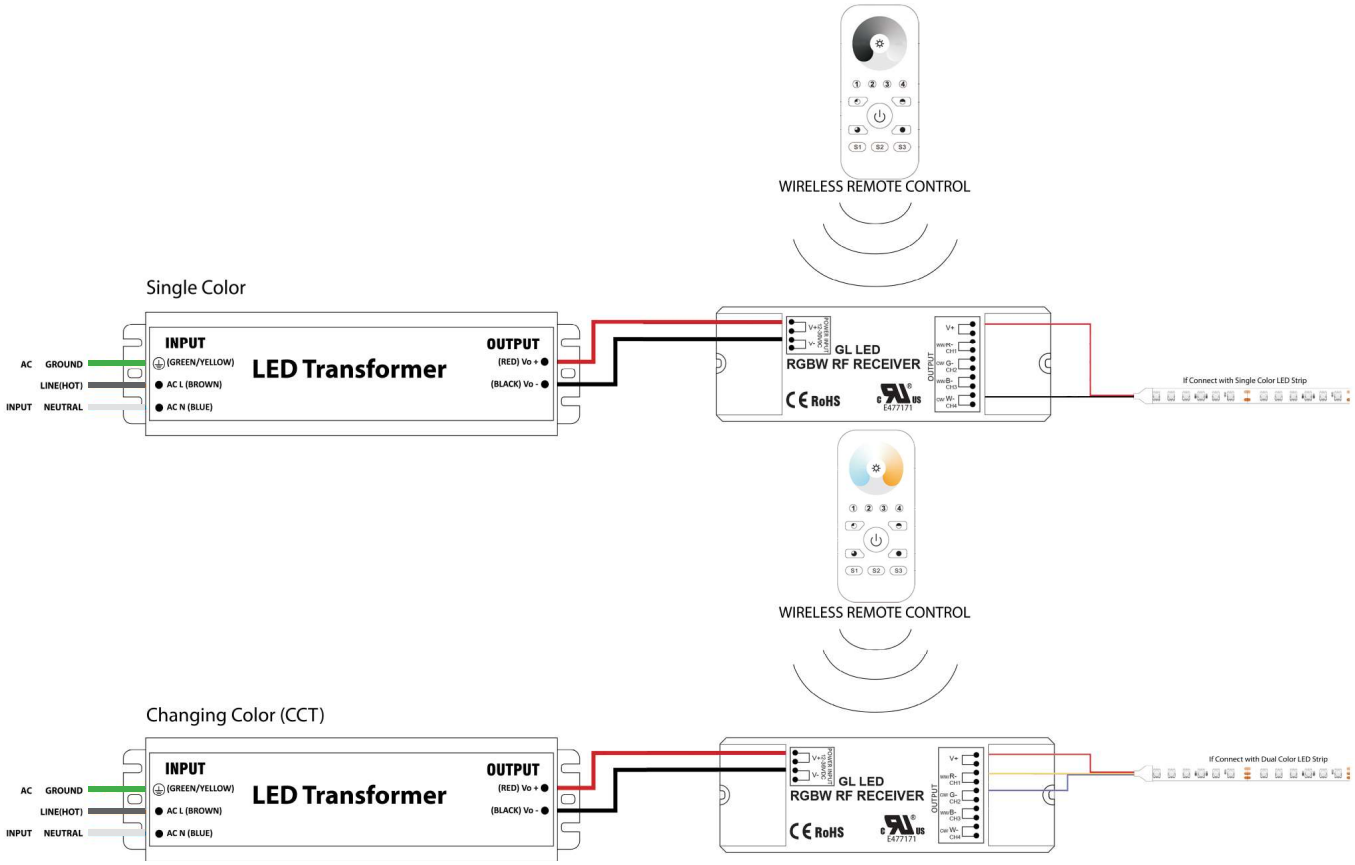
Wiring Diagram

If you use multiple receivers, you have two choices:
Option 1: have all the receivers in the same zone, like zone 1



Option 2: have each receiver in a different zone, like zone 1, 2, 3 or 4





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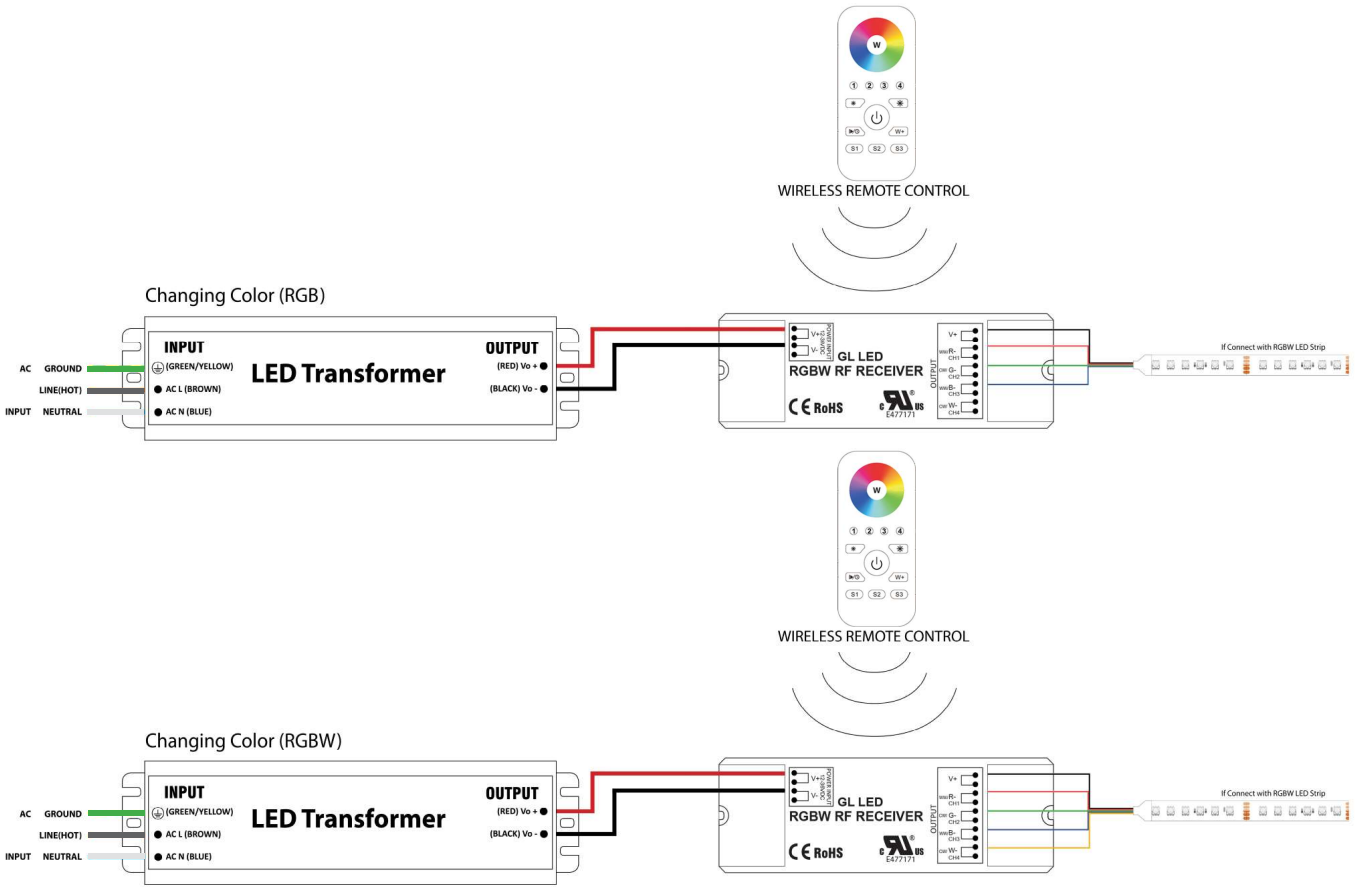

Operation

Do wiring according to connection diagram.
The receiver is controlled by RF signal and needs to be paired to RF remote/controller.

Pair to RF sender with learning key:

1. Connect and wire up the RF receiver correctly, power on.
2. Click on/off button of the remote/panel to turn on it → Click "Learning" key on the receiver → Click a zone number (ignore this step if the remote/panel has only 1 zone) → Touch the color wheel/slider (click any button except on/off and zone buttons if the remote has no color wheel/slider) → LED lights connected with the receiver will blink to indicate successful pairing to the selected zone

Note: one receiver can be paired with max 8 remote controls.

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Pairing to RF sender without learning key (Applicable to RF senders with color wheel):

1. Pairing to RF remotes which have color wheel (single color, CCT, RGBW): power off and power on the receiver → turn on the remote, then click a zone number twice and press and hold it continuously and quickly within 10 seconds → LED light connected with the receiver will flash to indicate successful pairing to the selected zone.

2. Pairing to multi-zone RF touch panels which have color wheel (single color, CCT, RGBW): power off and power on the receiver → turn on the panel, then click a zone number three times and press and hold it continuously and quickly within 10 seconds → LED light connected with the receiver will flash to indicate successful pairing to the selected zone.

Note: RF remotes without color wheel, single zone RF touch panels with color wheel, and RF touch panels without color wheel do not have this function.

Pairing to RF sender without learning key (Applicable to all compatible RF senders):

Re-power on the receiver three times continuously to set it into pairing status → Within 15 seconds, click on/off button of the remote/panel to turn on it → Click a zone number (ignore this step if the remote/panel has only 1 zone) → Touch the color wheel/slider (click any button except on/off and zone buttons if the remote has no color wheel/slider) → LED lights connected with the receiver will blink to indicate successful pairing to the selected zone

Delete paring with learning key:

1. Wire up the RF receiver correctly, power on.
2. Press and hold down the " Learning Key" button on receiver for over 3 seconds until the connected led light on receiver flickers twice, which means well deleted.

How to stop running mode of single color LED light caused by RGBW ender interference:

1. When pairing single color LED light to a single color remote, it might be interfered and paired by nearby RGBW senders, which might control the single color light into running mode. The running mode can not be stopped by the paired single color remote or by delete pairing.
2. Then we need a remote or wall panel that has color wheel, and pair the remote or wall panel to the receiver via above mentioned pairing method "Pairing to RF sender without learning key (Applicable to RF senders with color wheel)", then touch the color wheel to stop the running mode.
3. Then delete pairing and pair the receiver to the single color remote again, it can be controlled by the remote again.

Master and Slave Setting:

1. The receiver has both master and slave functions which can be set with a jumper. Short circuit of the jumper means master function, and open circuit means slave function. Once short circuit the jumper on a receiver, please power off and power on the receiver to enable master function. Setting master and slave enables perfect synchronization of color changing effects.
2. Set one receiver as master and pair it to any zone of a remote, and this zone shall only have one receiver which works as master. Set all other receivers as slave and pair them to other zones of the remote, and multiple receivers can be paired to each zone. Then choose all zones on the remote and play the color changing effects, the master will send sync signal to the slaves to achieve perfect synchronization. The max. sync distance between the master and any slave is within 30m.

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Built-in 10 color changing modes areas follows:

Mode 1: Any two colors of RGB mix fade-in & fade-out

Mode 2: RGB three colors mix fade-in & fade-out

Mode 3: RGB three colors mix fade-out & fade-in

Mode 4: RGB flash

Mode 5: RGB three colors fade-in & fade-out successively

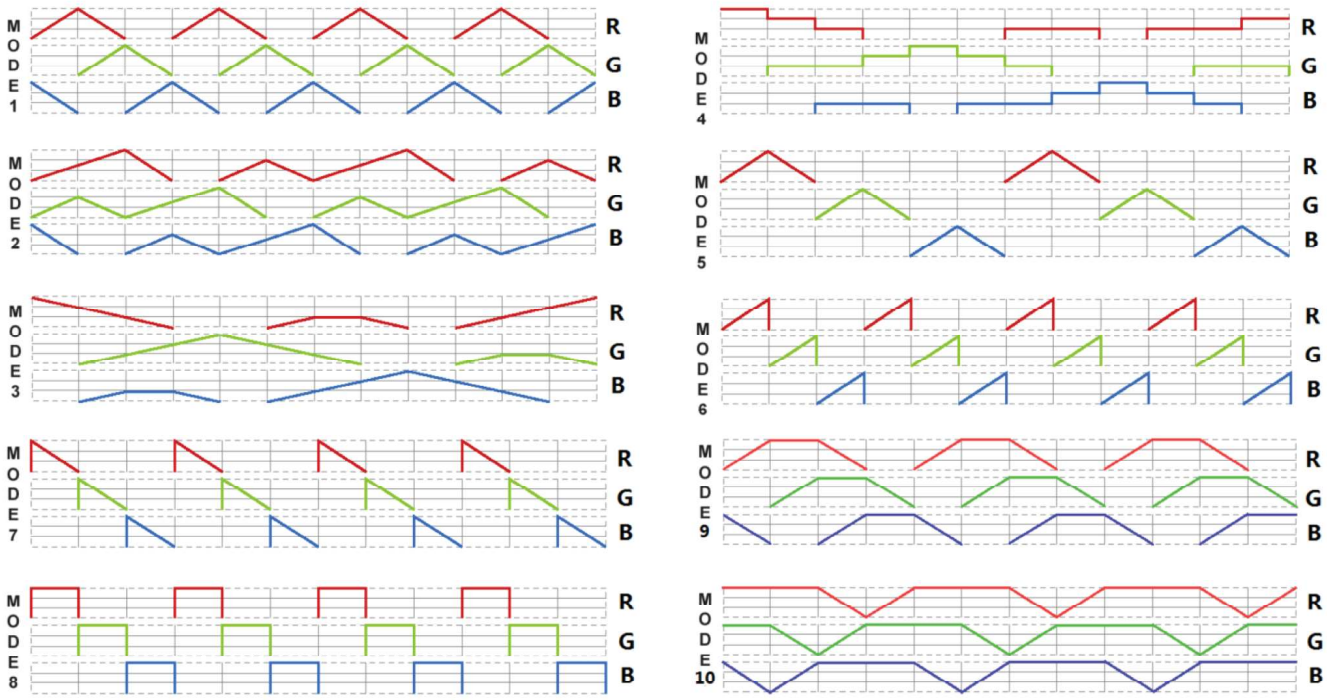
Mode 6: RGB three colors fade-in successively

Mode 7: RGB three colors fade-out successively

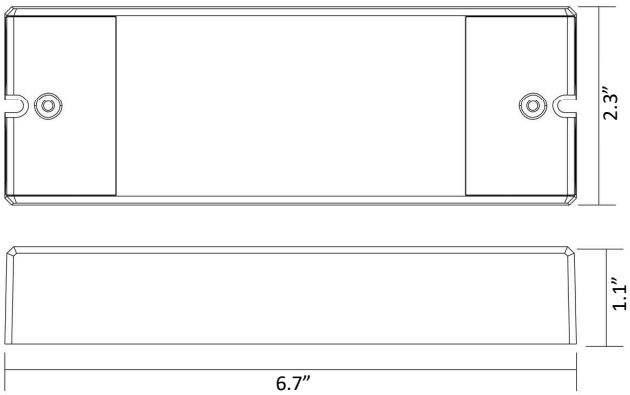
Mode 8: RGB three colors jump changing successively

Mode 9: R&B two colors mix fade (R in B out), then G fade-in, then R&B mix fade (R out B in), then G fade-out

Mode 10: B fade-out, then G&B mix fade (G out B in), then R&G mix fade (R out G in), then R fade-in



Product Dimension



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