

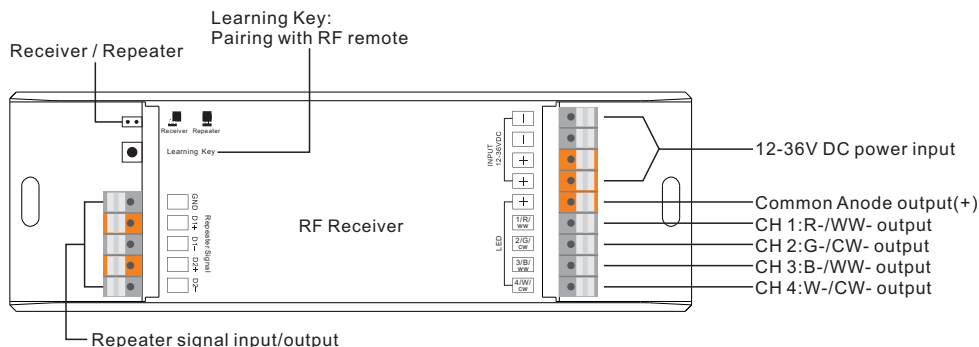
Universal series RF Receiver

09.009PD.04013



Important: Read All Instructions Prior to Installation

Function introduction



Product Data

No.	Input Voltage	Output Current	Output Power	Remarks	Size(LxWxH)
1	12-36VDC	4x5A	4x(60-180)W	Constant voltage	166x53.4x23mm
2	12-36VDC	4x350mA	4x(4.2-12.6)W	Constant current	166x53.4x23mm
3	12-36VDC	4x700mA	4x(8.4-25.2)W	Constant current	166x53.4x23mm

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

Safety & Warnings

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

Operation

Do wiring according to connection diagram.

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.

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

1. Pairing to RF remotes which have color wheel (including single color, CCT and 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 (including single color, CCT and 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 pairing 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 sender interference:

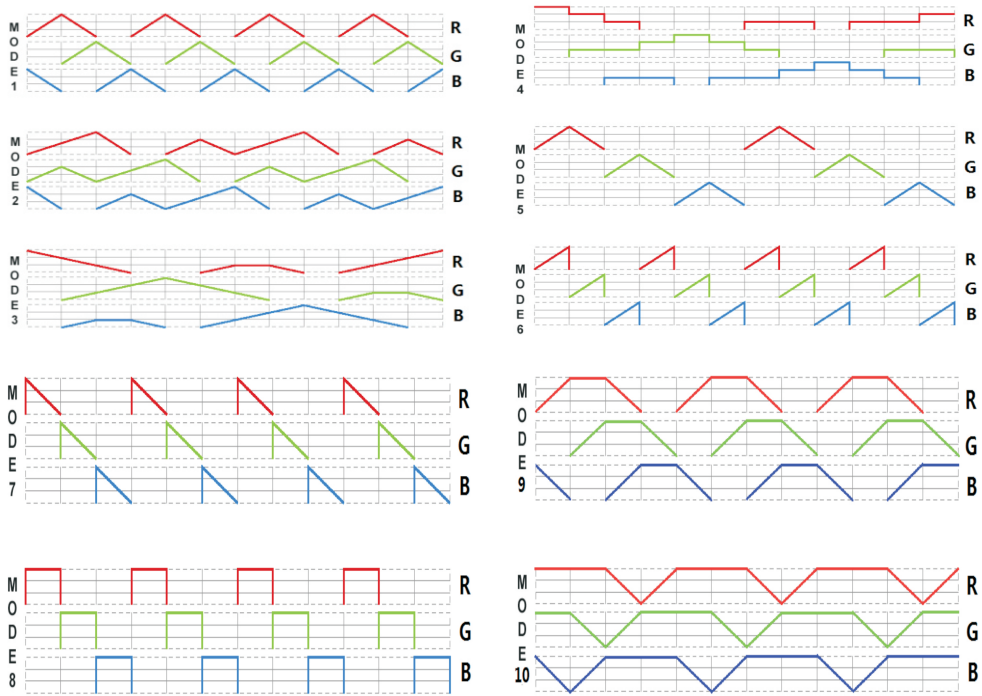
1. When pairing single color LED light to a single color remote, it might be interfered and paired by nearby RGBW senders, which might control the single color light into running mode. The running mode can not be stopped by the paired single color remote or by delete pairing.
2. Then we need a remote 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.

Receiver/Repeater setting jumper:

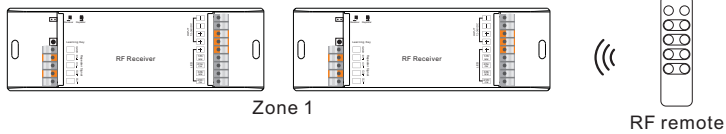
One receiver can connect multiple repeaters to realize perfect sync the sync distance can be over 100m no volt drop.

Built-in 10 color changing modes are as follows:

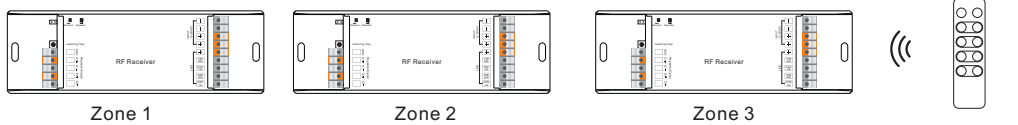
- Mode 1: Any two colors of RGB mix fade-in & fade-out
- Mode 2: RGB three colors mix fade-in & fade-out
- Mode 3: RGB three colors mix fade-out & fade-in
- Mode 4: RGB flash
- Mode 5: RGB three colors fade-in & fade-out successively
- Mode 6: RGB three colors fade-in successively
- Mode 7: RGB three 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



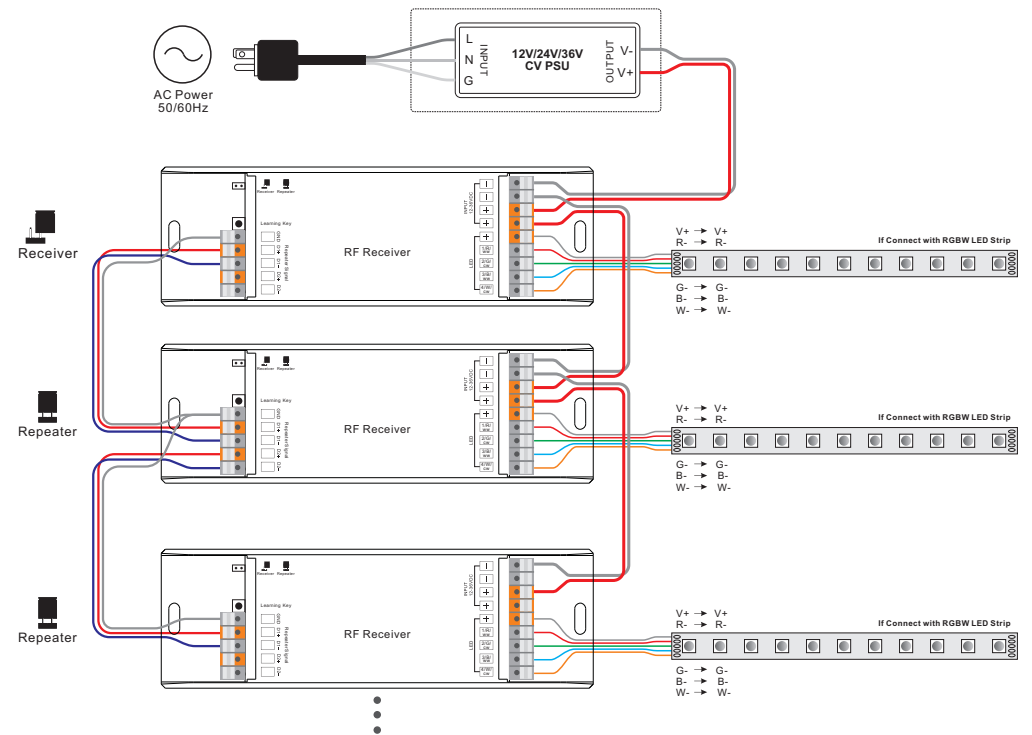
If you use multiple receivers, you have two choices:
 Option 1: have all the receivers in the same zone, like zone 1



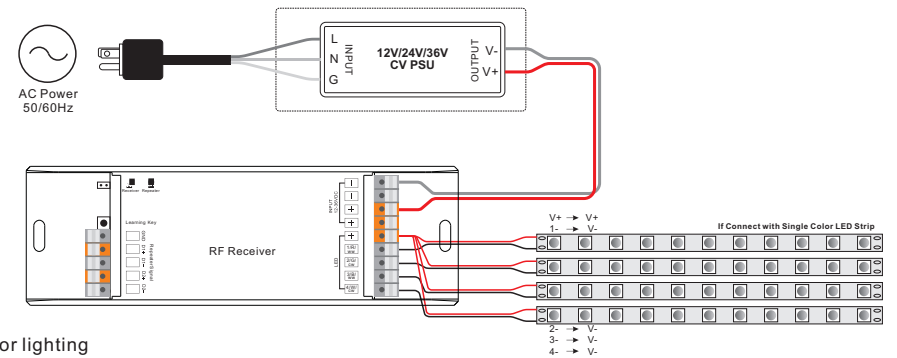
Option 2: have each receiver in a different zone, like zone 1, 2, 3 or 4



Wiring Diagram



With single color lighting



With dual color lighting

