

DIM/CT/RGB/RGBW/RGBCW LED Controller

P1、P2、P3、P4、P5

RF
Wireless

- Small size and light weight. The housing is made from V0 flame retardant PC materials from SAMSUNG/COVESTRO.
- Soft-on and fade-in dimming function enhances your visual comfort.
- 2.4GHz wireless signal , eliminating the need for signal wiring.
- 1-5 channel constant voltage output.
- Control DIM, CT, RGB, RGBW, RGBCW light.
- Compatible with RF 2.4 GHz Mini Pro series remote controllers.
- P3/P4/P5 have 9 built-in dynamic modes and 7 static modes.
- One controller can be paired up with 10 remotes .
- Controllers in the same group or partition can dynamically synchronize with each other.



RoHS

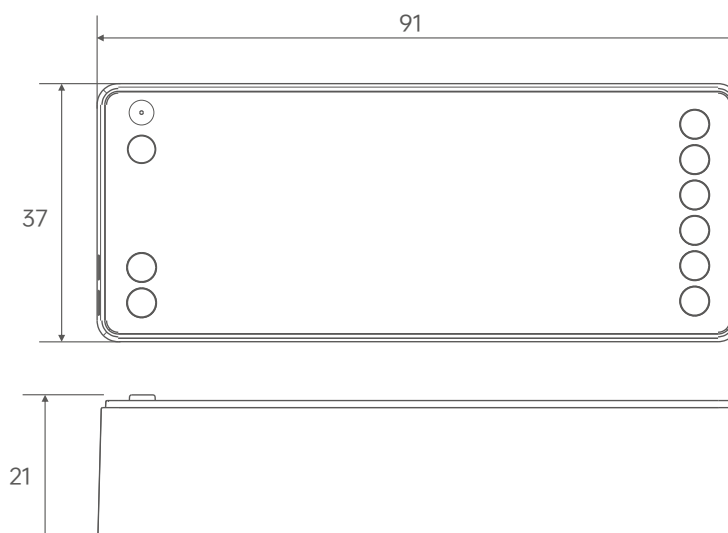


Technical Specs

Model	P1	P2	P3	P4	P5
Input Signal	RF2.4GHz				
Input Voltage	12-48V ===				
Output Voltage	12-48V ===				
Channels	1 CH	2 CH	3 CH	4 CH	5 CH
Reset Switch	Yes	Yes	Yes	No	No
Load Current	Max. 11A	Max. 12A	Max. 15A	Max. 15A	Max. 15A
Load Power	132W@12V 240W@24V 288W@36V 384W@48V	144W@12V 240W@24V 288W@36V 384W@48V	180W@12V 360W@24V 432W@36V 432W@48V	180W@12V 288W@24V 360W@36V 480W@48V	180W@12V 360W@24V 450W@36V 600W@48V
Compatible Remote Control Models	Single-zone: M1A/M1B Multi-zone: M1C/M1D Programmable: M9	Single-zone: M1A/M1B/M2A/M2B Multi-zone: M1C/M1D/M2C/M2D Programmable: M9	Single-zone: M1A/M1B/M2A/M2B/ M4A/M4B Multi-zone: M1C/M1D/M2C/M2D/ M4C/M4D Programmable: M9	Single-zone: M1A/M1B/M2A/M2B/ M4A/M4B Multi-zone: M1C/M1D/M2C/M2D/ M4C/M4D Programmable: M9	Single-zone: M1A/M1B/M2A/M2B/ M4A/M4B/M5A/M5B Multi-zone: M1C/M1D/M2C/M2D/ M4C/M4D/M5C/M5D Programmable: M9
Protection	Short circuit protection, over-temperature protection, over-current protection, and reverse connection prevention protection				
Working Temp.	-25°C ~ 50°C				
Dimension	L91×W37×H21(mm)				
Package Size	L94×W39×H22(mm)				
Weight(G.W.)	46g				

Product Size

Unit: mm

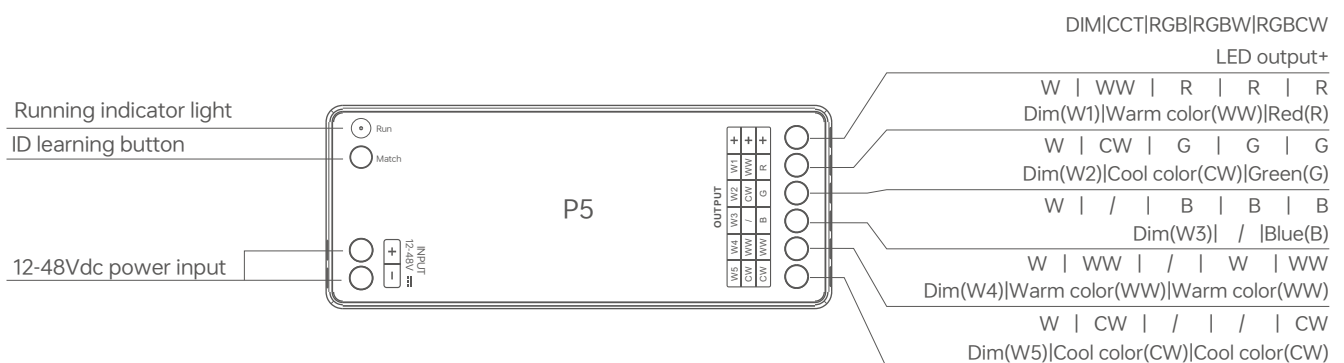
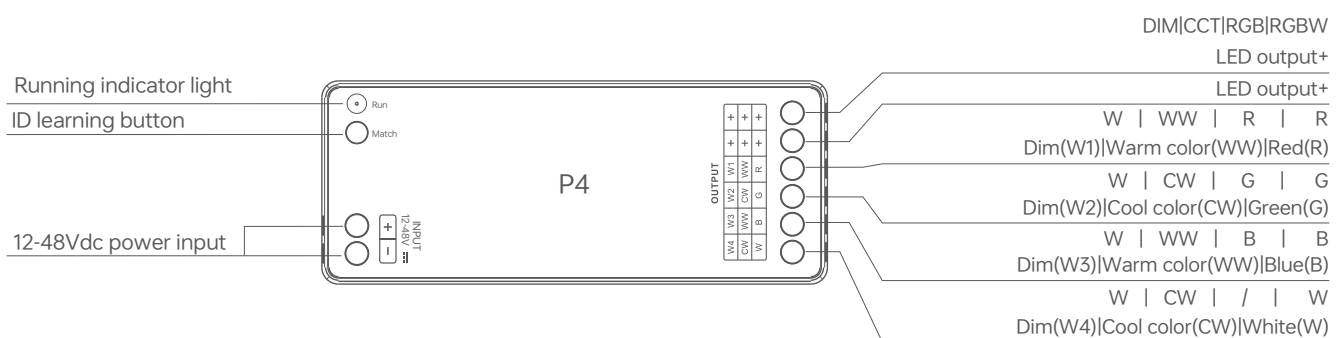
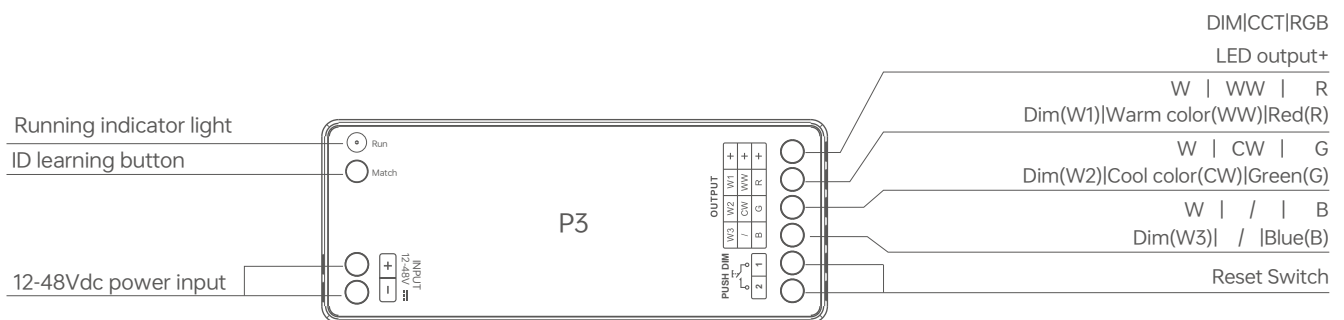
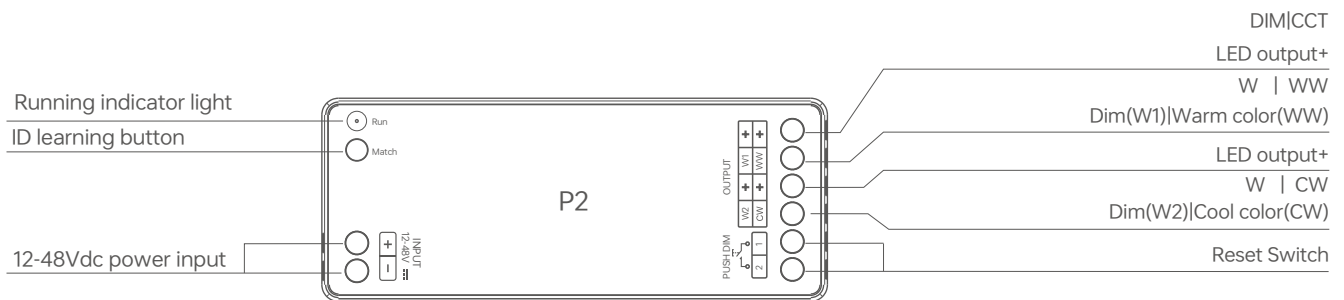
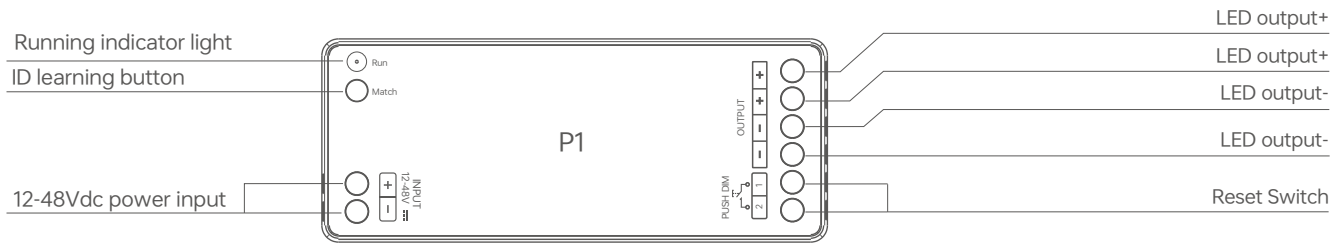


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Terminal Description



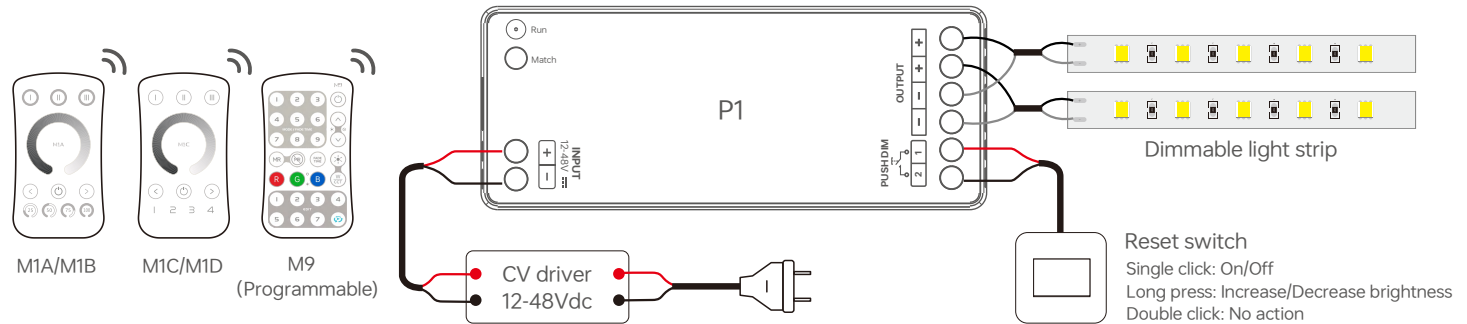
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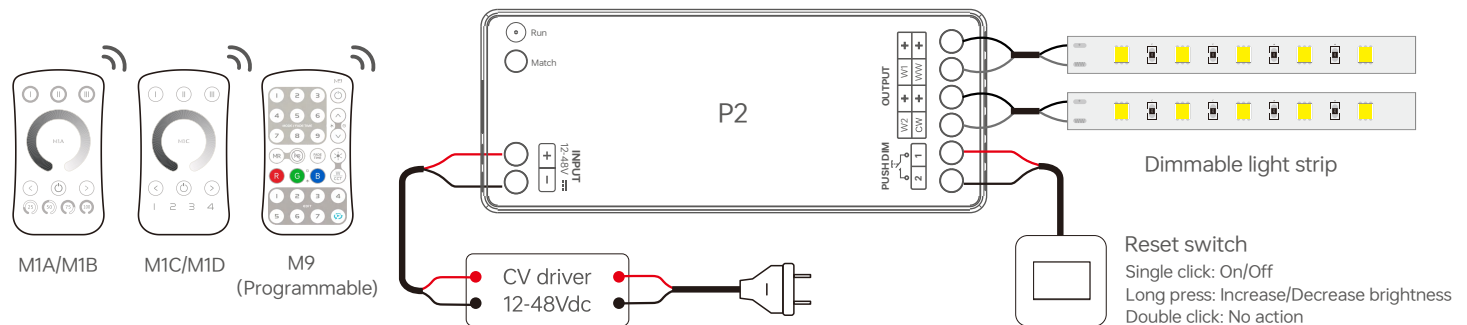
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Wiring Diagram

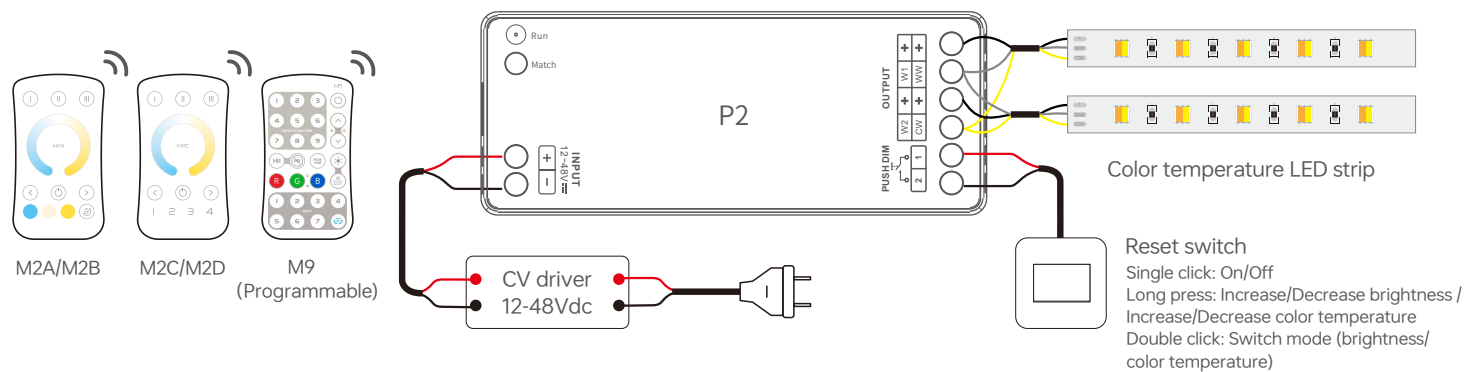
When P1 is connected to the dimmable light strip



When P2 is connected to the dimmable light strip



When P2 is connected to the color temperature light strip

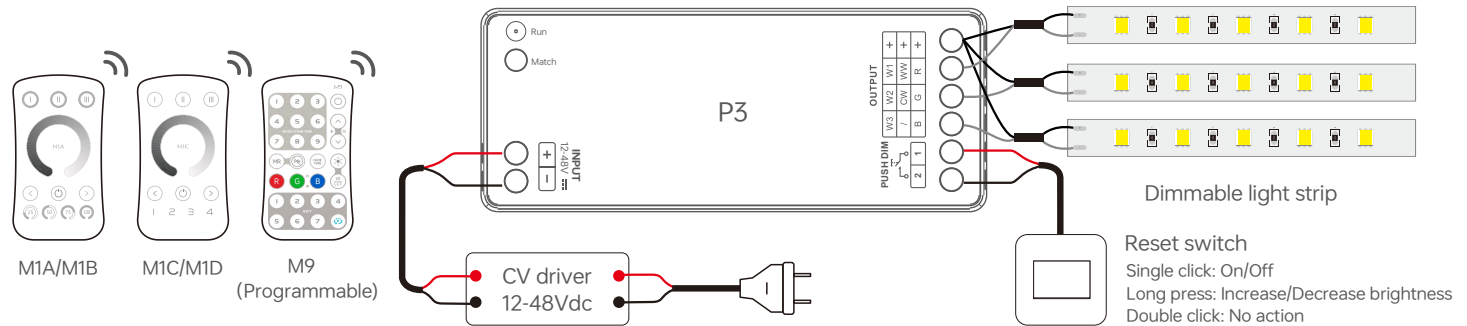


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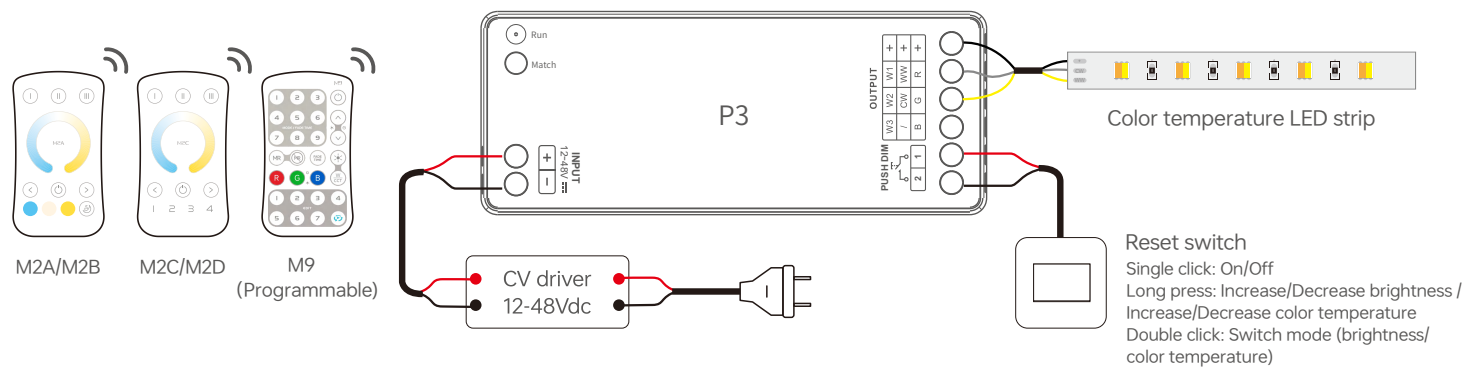
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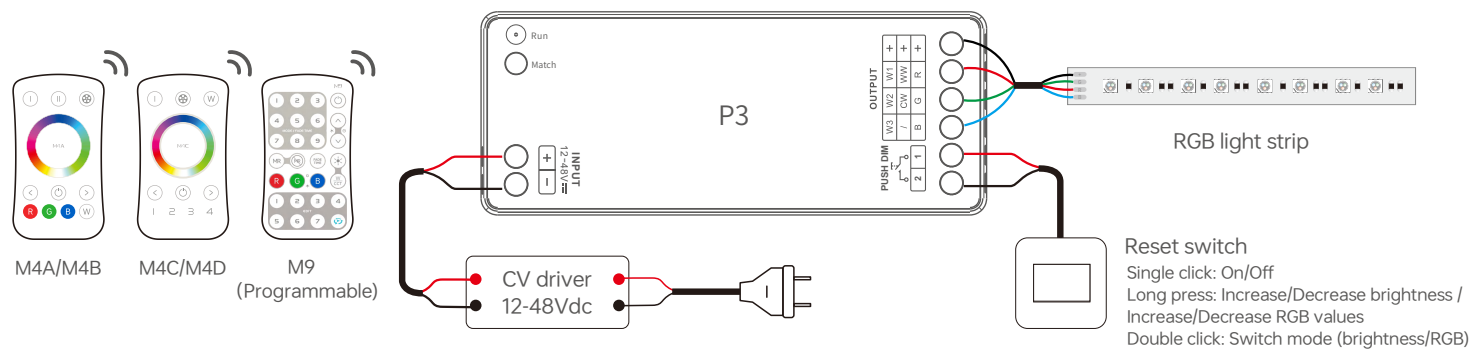
When P3 is connected to the dimmable light strip



When P3 is connected to the color temperature light strip



When P3 is connected to the RGB light strip



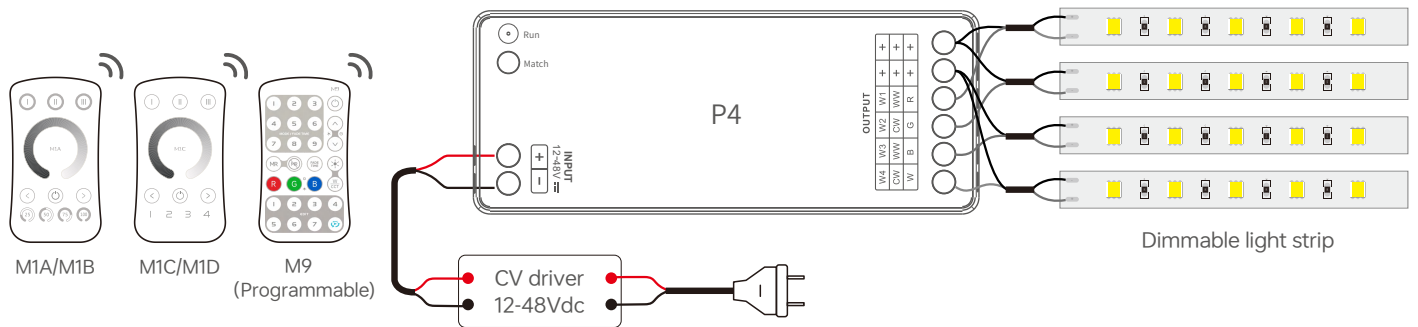
Note: The control type of PUSH DIM will switch according to the type of the remote control.

DIM/CT/RGB/RGBW/RGBCW LED Controller

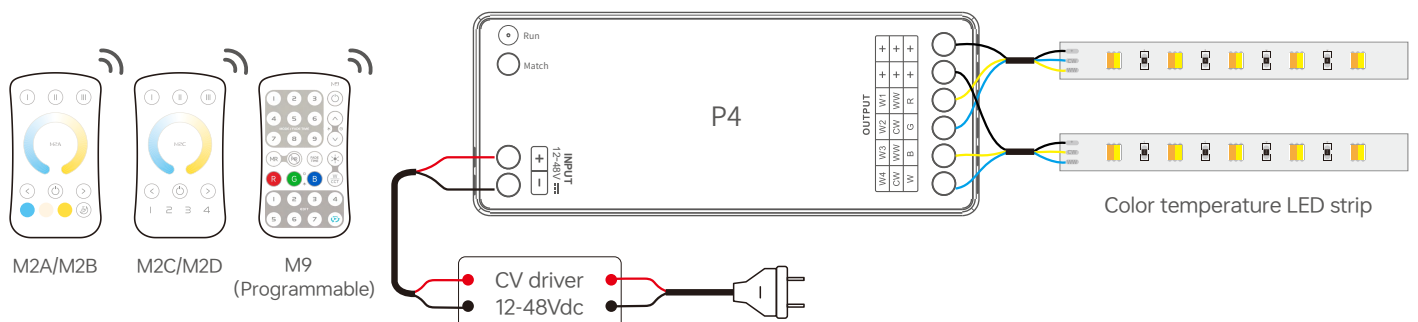
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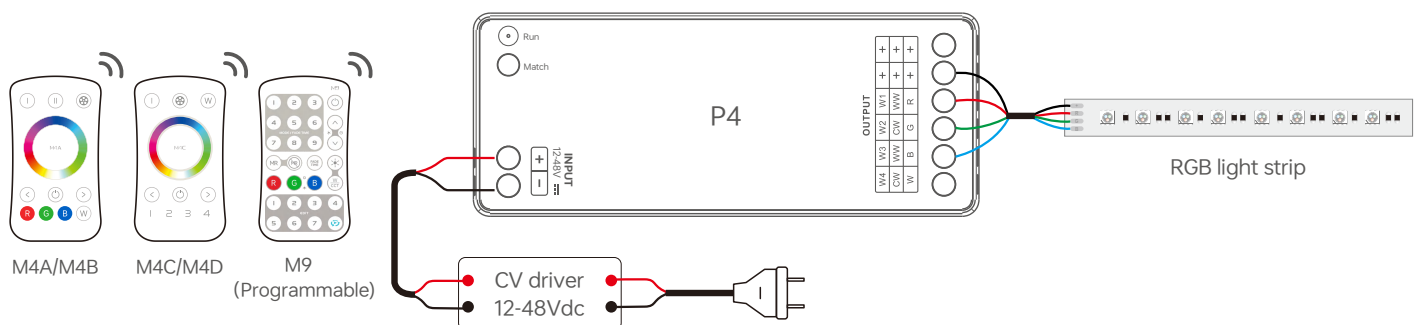
When P4 is connected to the dimmable light strip



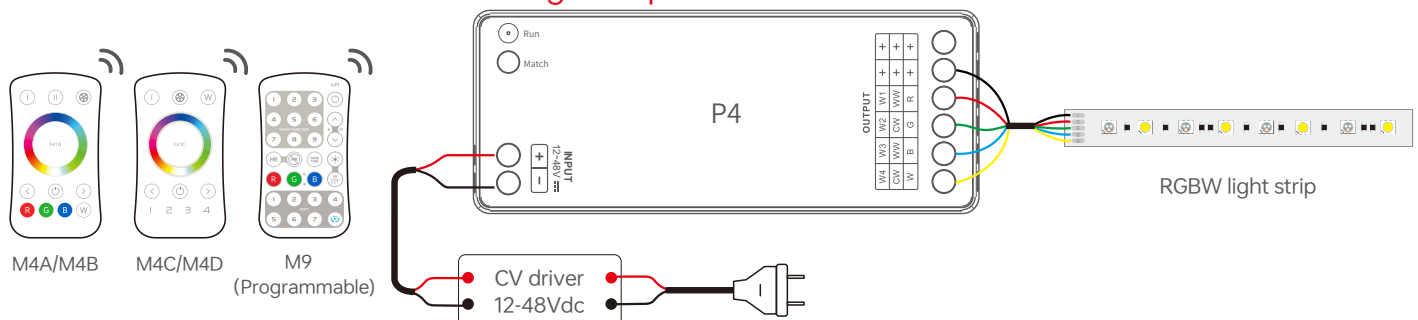
When P4 is connected to the color temperature light strip



When P4 is connected to the RGB light strip



When P4 is connected to the RGBW light strip

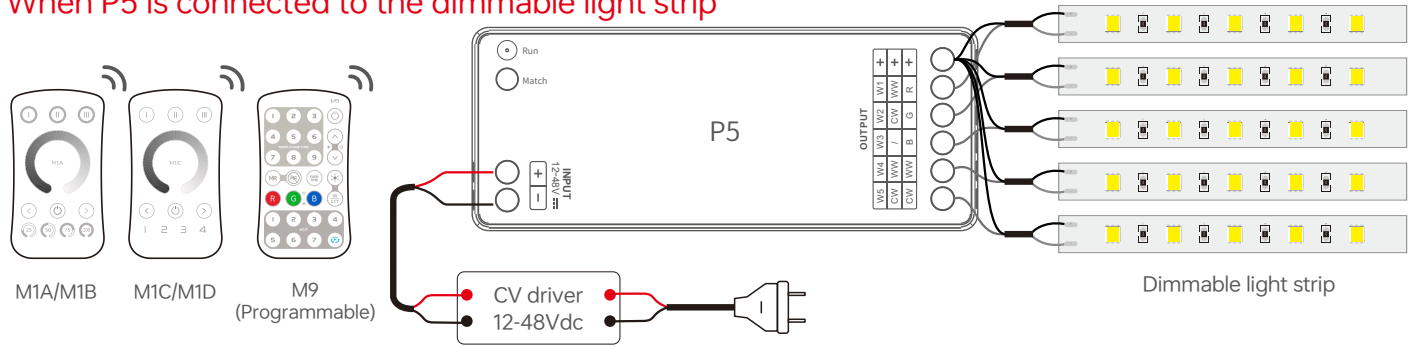


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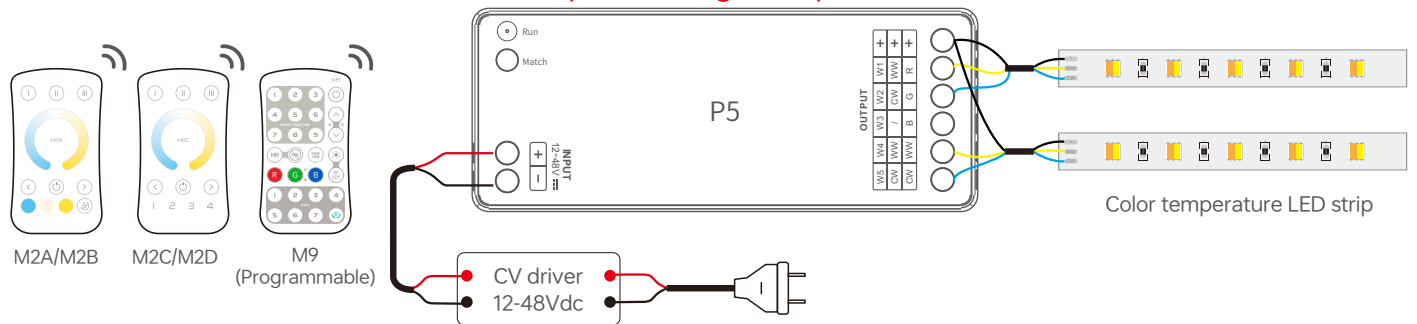
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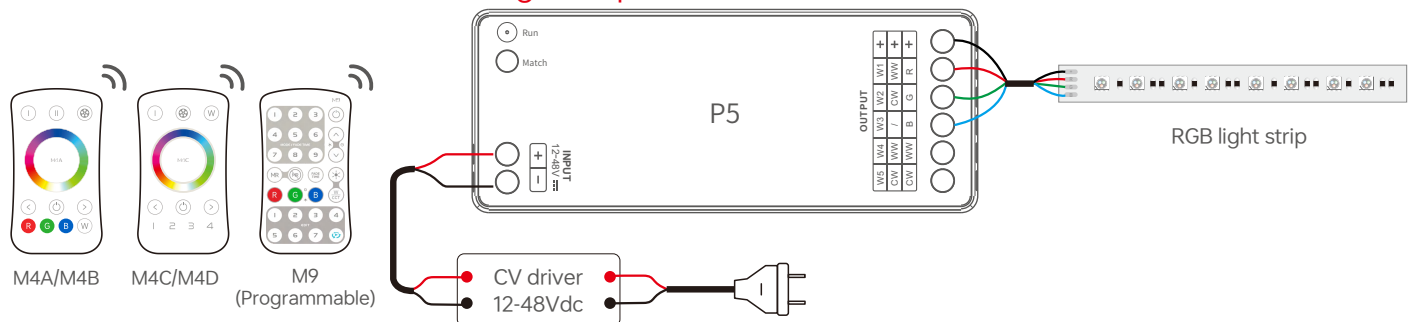
When P5 is connected to the dimmable light strip



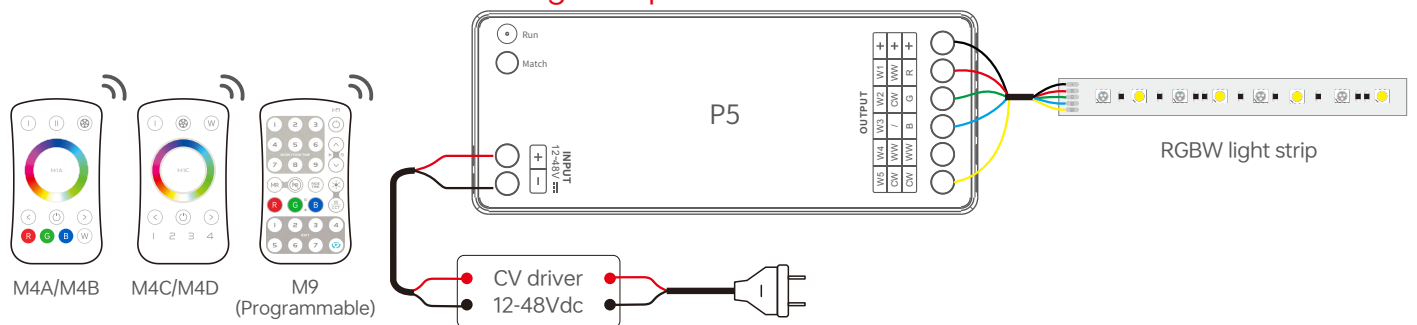
When P5 is connected to the color temperature light strip



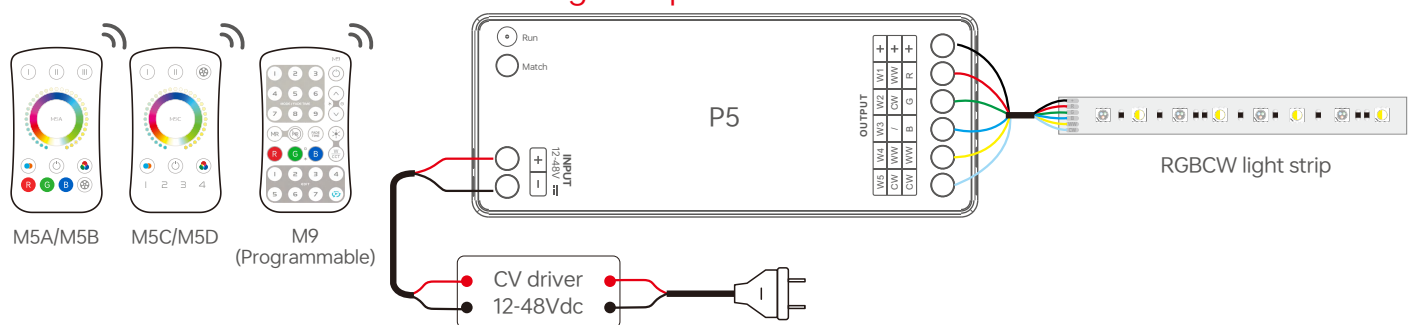
When P5 is connected to the RGB light strip



When P5 is connected to the RGBW light strip



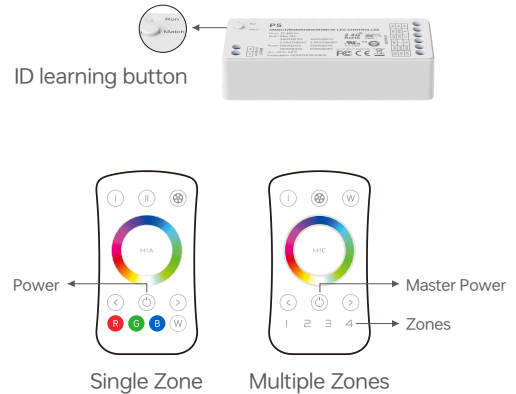
When P5 is connected to the RGBCW light strip



Code Pairing

Key pairing code

1. Short press the controller's ID learning button. The load indicator will start flashing. Please complete the following steps within 10 seconds.
2. Pairing with Mini Pro series remote control:
Single Zone: Press and hold the Power button until the load indicator flashes quickly and stays on and the color ring changes. Pairing complete.
Multiple Zones: Press and hold the Master Power button until the remote indicator flashes slowly. Press the desired Zone button until the load indicator flashes quickly and stays on and the color ring changes. Pairing complete.



Power-on code pairing

1. After the controller powers off and back on, please complete the following steps within 10 seconds.
2. Pairing with Mini Pro series remote control:
Single Zone: Press and hold the Power button until the load indicator flashes quickly and stays on and the color ring changes. Pairing complete.
Multiple Zones: Press and hold the Master Power button until the remote indicator flashes slowly. Press the desired Zone button until the load indicator flashes quickly and stays on and the color ring changes. Pairing complete.

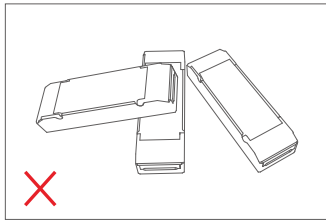
Note: One controller can be paired with a maximum of 10 remote controllers. If more than 10 remote controllers are paired, the ID code of the first remote controller will be automatically deleted.

Clear Code

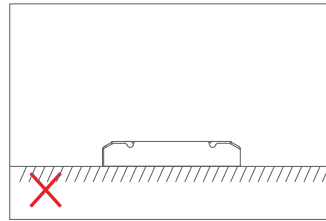
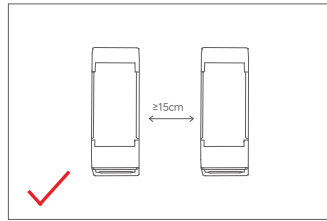
To delete all remote controls:
Press and hold the controller ID learning button for 6 seconds. The controller load light will flash 4 times quickly and then stay on, indicating successful code clearing.



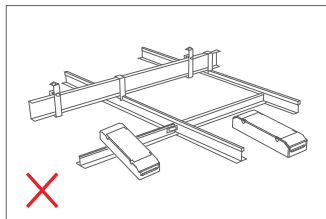
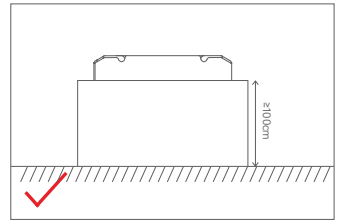
Installation Precautions



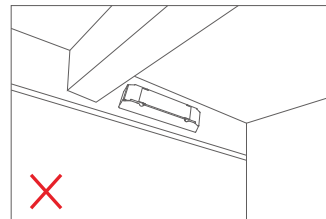
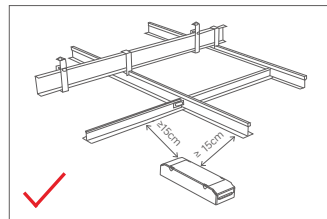
Please do not stack the products. The distance between two products should be $\geq 15\text{cm}$ so as not to affect heat dissipation and the lifespan of the products.



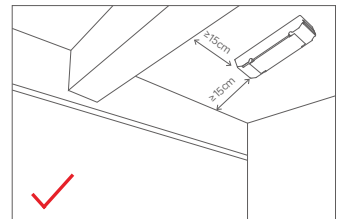
Please do not place the products on the floor. The distance between the product and the floor should be $\geq 100\text{cm}$ so as to avoid signal interference.



Please do not place the products near a large area of metal objects (such as metal stud ceilings). The distance between the product and the metal object should be $\geq 15\text{cm}$ so as to avoid signal interference.



Please do not install the products on beams or near the corners. The distance between the product and the beam or the corner should be $\geq 15\text{cm}$ so as to avoid signal interference.



Note: The temperature within the installation area should be within the working temperature range of the products. Please do not install products inside LED fixtures to avoid temperature exceeding the working temperature that may affect the product lifetime.

Attentions

- Product installation and commissioning should be done by a qualified professional.
- Products are and not lightning proof non-waterproof (special models excepted). Please avoid the sun and rain. When installed outdoors, please ensure they are mounted in a water proof enclosure or in an area equipped with lightning protection devices.
- Good heat dissipation will extend the life the product. Please install the product in a environment with good ventilation.
- During installation, avoid being close to large-area metallic objects or stacking the devices, so as to prevent signal interference from affecting the usage.
- Avoid installing in thunderstorm-prone areas, areas with strong magnetic fields, and high-voltage areas.
- When you install this product, please avoid being near a large area of metal objects or stacking them to prevent signal interference.
- Please check whether the working voltage used complies with the parameter requirements of the product.
- Before you power on the product, please make sure all the wiring is correct in case of incorrect connection that may cause a short circuit and damage the components, or trigger a accident.
- If a fault occurs, please do not attempt to fix the product by yourself. If you have any question, please contact the supplier.

* This manual is subject to changes without further notice. Product functions depend on the goods. Please feel free to contact our official distributors if you have any question.

Warranty Agreement

Warranty periods from the date of delivery : 5 years.

Free repair or replacement services for quality problems are provided within warranty periods.

Warranty exclusions below:

- Beyond warranty periods.
- Any artificial damage caused by high voltage, overload, or improper operations.
- Products with severe physical damage.
- Damage caused by natural disasters and force majeure.
- Warranty labels and barcodes have been damaged.
- No any contract signed by Our company.

1. Repair or replacement provided is the only remedy for customers. Our company is not liable for any incidental or consequential damage unless it is within the law.
2. Our company has the right to amend or adjust the terms of this warranty, and release in written form shall prevail.