

## Matter WiFi RGB+CCT LED Controller

- WiFi RGB+CCT LED controller support matter, suitable for RGB+CCT light strips.
- DC power socket input, 5 channel constant voltage output.
- Support multi-end management, AppleHome, Amazon Alexa, Google Home, Samsung SmartThings platform interconnection.
- APP remote control, support on/of light, RGB color, color temperature and brightness adjustment, scene setting, add automation.
- Voice control, support Apple HomePod, Amazon ECHO and Google nest speakers.

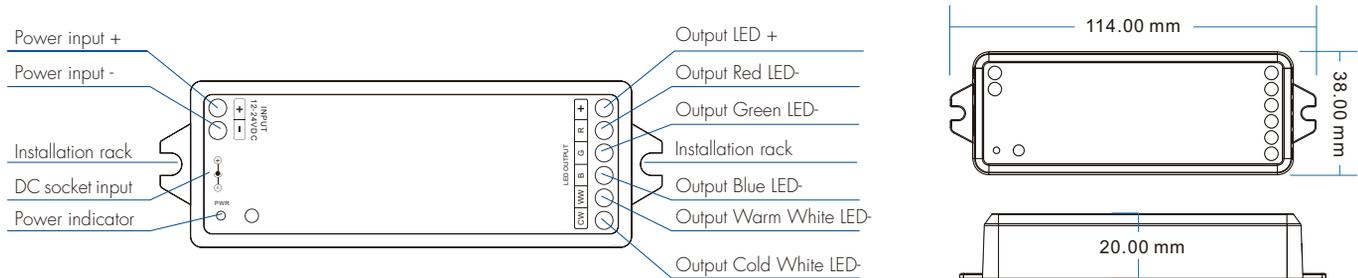


CE RoHS RED

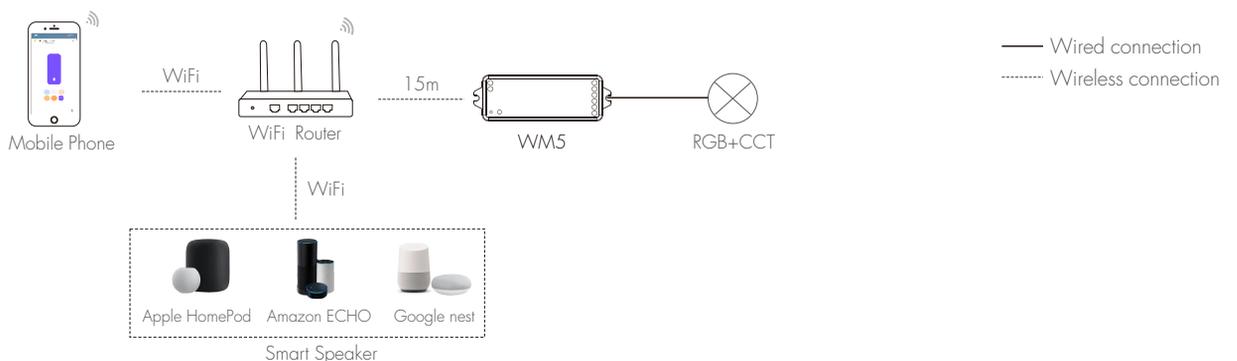
### Technical Parameters

Input and Output		Dimming data		Safety and EMC	
Input voltage	12-24VDC	Input signal	APP	EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Input current	15.5A	Control distance	1.5m(Barrier-free space)	Safety standard	EN 62368-1:2020+A11:2020
Output voltage	5 x (12-24)VDC	Dimming gray scale	256 level	Radio Equipment(REDC)	ETSI EN 300 328 V2.2.2
Output current	5CH,3A/CH	Dimming range	0-100%	Certification	CE,EMC,RED
Output power	5 x [36-72]W	PWM Frequency	2000Hz	Warranty and Protection	
Output type	Constant voltage	Environment		Warranty	5 years
Package		Operation temperature	Ta: -20°C ~ +55°C	Protection	Reverse polarity
Size	L120 x W43 x H27mm	Case temperature (Max.)	Tc: +85°C		
Gross weight	0.055kg				

### Mechanical Structures and Installations



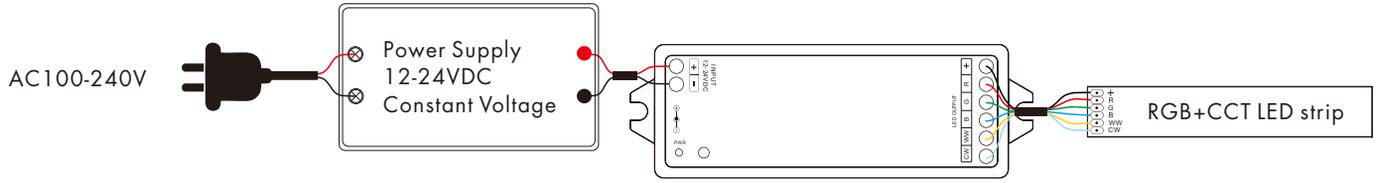
### System wiring



#### Note:

1. A smart speaker needs to be connected for use. The smart speaker as a smart home hub is the connection center for multiple smart home devices (Matter-enabled smart home hardware products).
2. The above distance is measured in spacious (no obstacle) environment, please refer to the actual test distance before installation.
3. Please check if the WiFi router net in 2.4G band, the 5G band is not available, and do not hide your router network.
4. Please keep the distance between WM5 devices and router close, and check the WiFi signals.

# Wiring Diagram



**Note:** User can connect constant voltage power supply or power adapter as power input.

## Device Reset

The controller repeat power on and off for 5 consecutive times, clear previous network connection, enter config mode, the output LED will flash 5 times, scanning the QR code of the product, the LED light with breathing blinks 6 times, means successful connection. After clearing the network connection, please connect within 15 minutes.

## Apple Home network connection

For first time use, please reset the device.

Make sure your phone's Bluetooth is turned on when connecting the device.

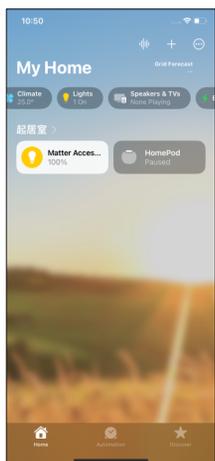
Requires connection of a HomePod, Apple TV (tvOS 17.0 or higher), or an iPad (iOS 17.0 or higher) needs to be installed as the home hub, use to remotely control HomeKit-enabled accessories or set up automation.

### (1) Home APP Connection Steps:

- Step 1: Connect the Apple Speaker HomePod and proceed to the next step of setup once the connection is complete.
- Step 2: Open Home APP, click the "+" sign on the top right, and then click "Add Accessories" in the pop-up box.
- Step 3: Go to the QR code scanning interface and scan the QR code.
- Step 4: Add the device, click Add to "Apple Family".
- Step 5: Start to connect the device. Prompted Uncertified Accessory, click "Add Anyway".
- Step 6: Connect successfully, select the location of the fixture. Click "Continue".
- Step 7: Use the name provided or enter a custom name. Click "Continue".
- Step 8: Add successfully, click "Done".



### (2) Lights control interface:



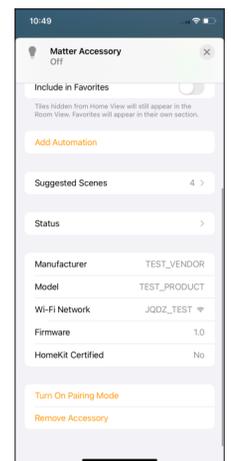
Click to turn on/off light.



Slide the brightness bar to adjust the light brightness. Click to set the light color.



Click to modify device name and room location, add automation, turn on pairing mode, remove accessory.



## Multi-end Management

With matter, you can connect your device to the following different smart eco-platforms to realize cross-platform interconnection.

Supporting the use of multiple APPs to control devices at the same time.

Please make sure that the APP and the device are in the same local area network (LAN), and your phone's iOS system is 17.0 and above, and Android system is 8.1 and above .



Added to Apple Home and then to Alexa as an example.



Open Home APP,  
enter lights control interface,  
Scroll down and click "Turn On Pairing Mode".  
Generate setup code (11-digits).



Open Alexa App, click "Devices" at the bottom of the menu bar,  
>> Click on the "+" in the upper left corner,  
>> Select "Add Device" in the pop-up box,  
>> Click the Matter icon,  
>> Select "TRY NUMERIC COOD INSTEAD",  
Enter the 11-digit setup code generated by AppleHome,  
and follow the prompts to add the device.