

HX-DLV005

5 in 1 WIFI led controller for DIM/CCT/RGB/RGBW/RGBCW

Controller adopts the most advanced PWM (Pulse Width Modulation) digital control technology, it is used for controlling constant voltage LED lamps. For instance, point source of light, flexible light strip, led modules, led strings and so on; It belongs to low-voltage DC power input and output with six interfaces, including V+ is extremely common interfaces, the other five for the 5 channels output control interface. Meanwhile, you could adjust brightness, static color choices and various dynamic changes in lighting effects through RF remote control. Especially, it is integrated 5 optional programs for different color type LEDs, contains single color/CW+WW/RGB/RGBW/RGBCW. It means only one item stock for 5 types applications. Support both RF remote control and WIFI control. The WIFI control technology powered by Tuya.



Product Features

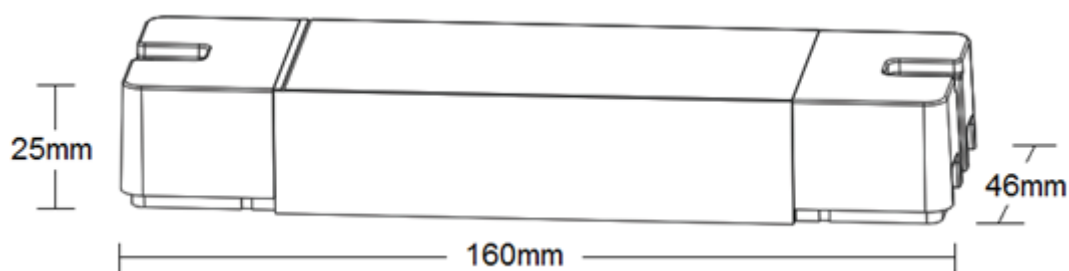
- Short-circuit protection.
- RF remote control+ WIFI control.
- WIFI technology powered by Tuya, And compatible with voice control via Amazon Alexa, Google Assistant, Yandex Alice and so on.
- PWM frequency is adjustable, 2KHz or 21.6KHz.

- Compatible with 16 items RF remote controls for options, meet for different applications.
- Memory function, each time power-on reserve the mode which stop in the last power-off.
- Designed for constant voltage LED lights, program is settable for DIM/CCT/RGB/RGBW/RGBCW.
- DC12-24V, 5 channels output, Max. load current: 4A*5CH; Max. load power: 240W/12V; 480W/24V.
- Warranty of this product is three years, exclude the artificial situation of damaged or overload working.

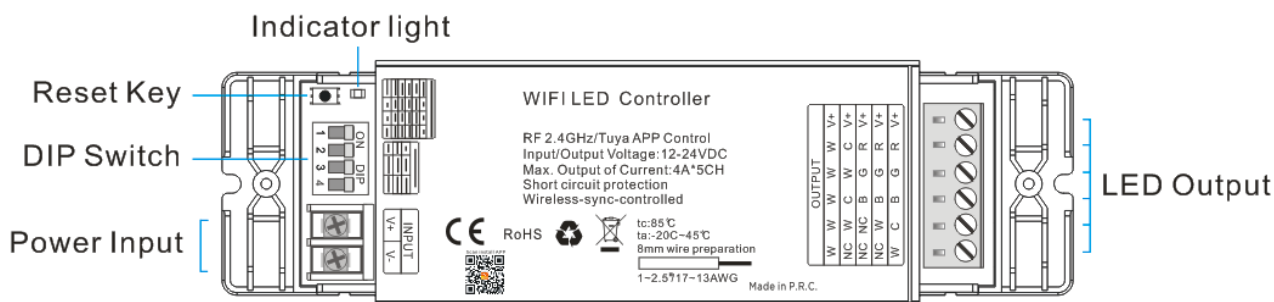
Technical Parameters

Working temperature	-20-60°C	Supply voltage	DC12V-24V
Static power consumption	<1W	Connecting mode	Common anode
Grayscale	1024 levels	Speed stage	1024 levels
External dimension	L160*W46*H25 mm	Packing size	L170*W50*H29mm
Net weight	110g	Gross weight	125g
RF frequency	2.4GHz	RF distance	≤20m
Short circuit protection	Yes	Memory function	Yes
Output	3-5 channels	Max. Output current	PWM=2KHz: 4A/CH PWM=21.6KHz: 3A/CH
PWM frequency	2KHz, 21.6KHz	Max. Output power	12V:<240W, 24V:<480W

Dimensions



Interface Specifications



1. Signal indicator status and description: it will light up when operating the remote control; it will stay on after a successful WIFI connection.
2. The 1-3 bits of the DIP switch are used to set the load output type, corresponding to the following:

DIM				CCT				RGB				RGBW				RGBCW			
ON		DIP		ON		DIP		ON		DIP		ON		DIP		ON		DIP	
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
OFF	OFF	OFF	X	ON	OFF	OFF	X	OFF	ON	OFF	X	ON	ON	OFF	X	X	X	ON	X


Note: After setting the load output type, the WIFI control function needs to be reset, and the "add device" operation should be performed again in the APP. If the type is switched in the power-on state, the controller will automatically reset, and will directly enter the EZ distribution network state after the load light flashes quickly. For more connection instructions, please refer to the "Direction for use -WIFI Network Operation" section.

3. DIP switch 4 is used to set the PWM frequency of the load output: OFF-2KHz (factory default value), ON-21.6KHz.

PWM=2KHz				PWM=21.6KHz			
ON		DIP		ON		DIP	
1	2	3	4	1	2	3	4
X	X	X	OFF	X	X	X	ON

Direction for use

WIFI controlled by Tuya Application to achieve smart control like group control, scene control, timer control, music control and so on.

Scan QR code from controller to download Tuya application:  and register it to get your home account.

Wi-Fi- Smart Controller can be added using “EZ Mode”- Auto Scan or “AP Mode”-Add Manually.

EZ Mode: Press and hold the “Key” button for 5s to restore to the factory setting and enter EZ mode (Rapid Blinking).

AP Mode: Unplug and reconnect the power supply and the Wi-Fi Smart Controller 5 times in a short period of time to enter AP mode (Slow Blinking).




Tips:













1. If the Wi-Fi signal is weak or cannot connect with the device using “EZ Mode”, please tap the “EZ Mode” on the top right corner and tap “AP Mode” to enter the AP mode to add the device and follow the App instructions to connect the Wi-Fi Smart Controller to your network.
2. After setting the load output type, the WIFI control function also needs to be reset, and the "add device" operation should be performed again in the APP.
 - 1) If the load type is reset in the power-on state, the controller will automatically reset, and will directly enter the EZ distribution network state after the load light flashes quickly. At this time, the load light will keep flashing, and the network connecting operation can be performed, or you can press any button on the remote control to stop the light flashing (still at the network connecting status in 3 minutes); if there is no operation, it will automatically exit after 3 minutes.
 - 2) If the load type is reset in the power-off state, please refer to the above instruction to connect the network by EZ Mode or AP Mode.

And compatible with voice control via Amazon Alexa, Google Assistant, Yandex Alice and so on.

Remote controlled by RF 2.4GHz remote control

Controller is compatible with 16 items RF remote controls for options, meet for different applications. Please find some options from below recommend.

LED type	Recommend remote control		
Single color			
	RFBT10-2.4G (4-zone)	RFBT12 (1-zone)	RFBT15 (1-zone)

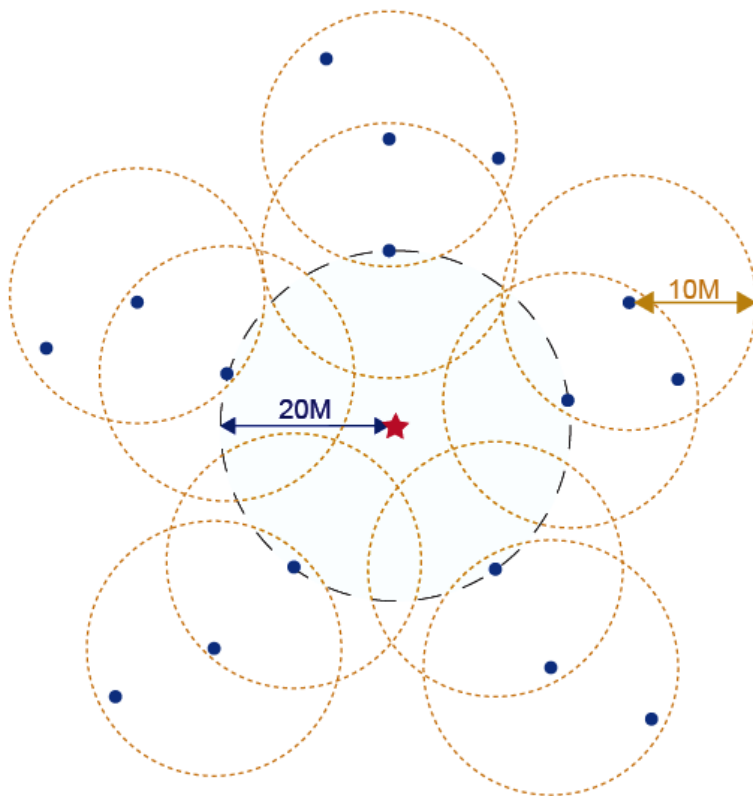
CW+WW			
	RFBT10-2.4G (4-zone)	RFBT12 (1-zone)	RFBT15 (1-zone)
RGB			
	RFBK-2.4G (4-zone)	RFBT02 (1-zone)	HWP86-2.4G (1-zone)
RGBW/ RGB+W			
	RFBK-2.4G (4-zone)	RFBT02 (1-zone)	HWP86-2.4G (1-zone)
RGBCW/ RGB+CCT			
	RFBK-2.4G (4-zone)	RFBT02 (1-zone)	HWP86-2.4G (1-zone)

Tips:

1. This controller is also compatible with other remote controls, please contact us for more information.
2. Please refer to the remote control specifications for features and functions.

Wireless-synchronization function

Controllers will transmit the control signals from the remote control and self-inspection the work statuses for each other, so multiple receivers in same zone will wireless-sync-work completely, not only static mode but also dynamic mode, to achieve wired-like operation experience. And it is flexible to combine with the scene control function of WIFI control.

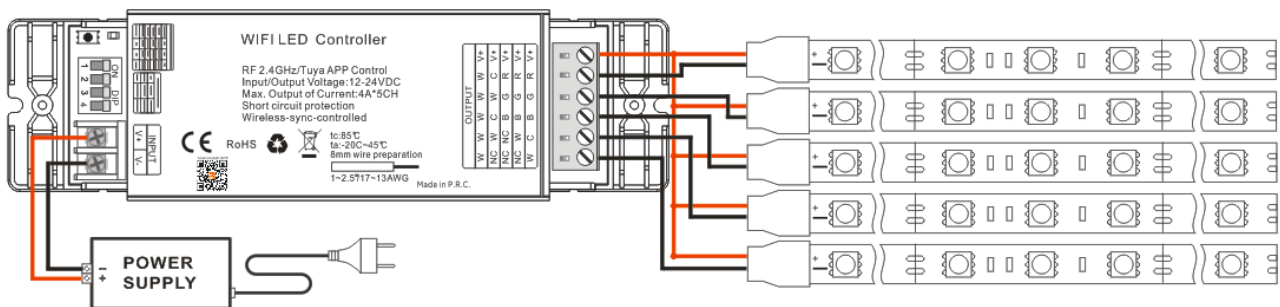


- ★ Remotecontrol(20meters)
- Receiver(10meters)

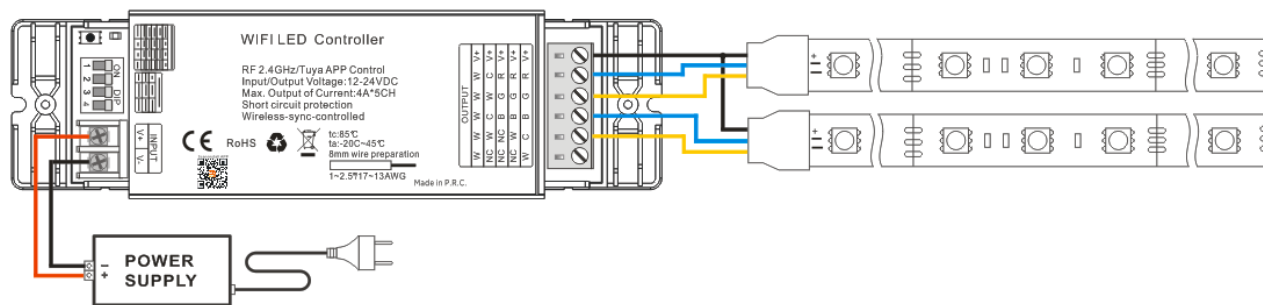
In order to achieve perfect wireless synchronization effect, please keep the distance between receivers within 10 meters as above show.

Typical Applications

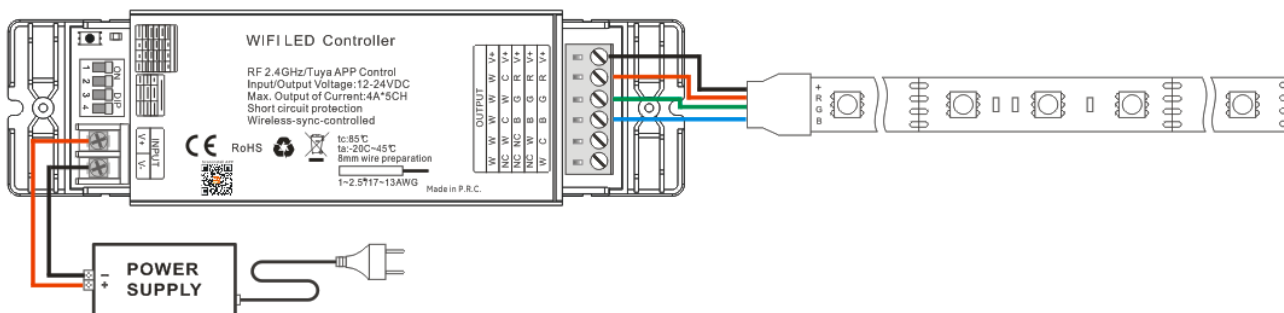
Application Circuit of single color



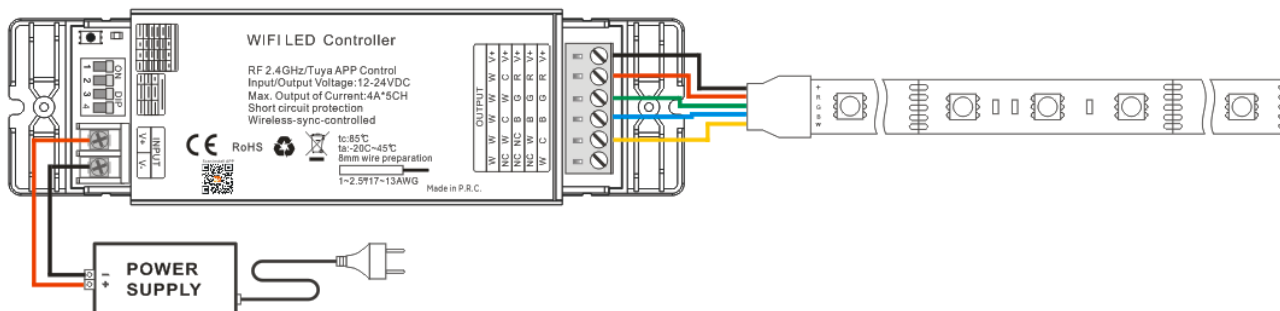
Application Circuit of CW+WW



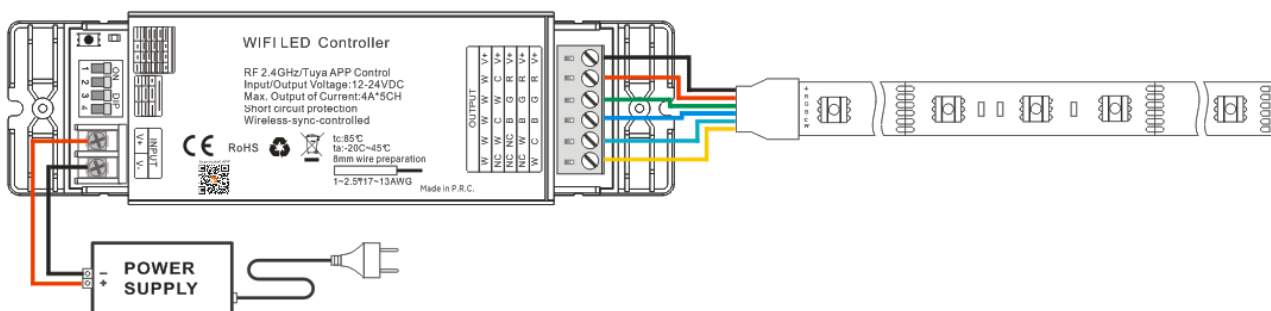
Application Circuit of RGB



Application Circuit of RGBW/RGB+W



Application Circuit of RGBCW/RGB+CCT



Product information for placing order

Product name	Item number
5 in 1 WiFi led controller for DIM/CCT/RGB/RGBW/RGBCW	DLV005

