



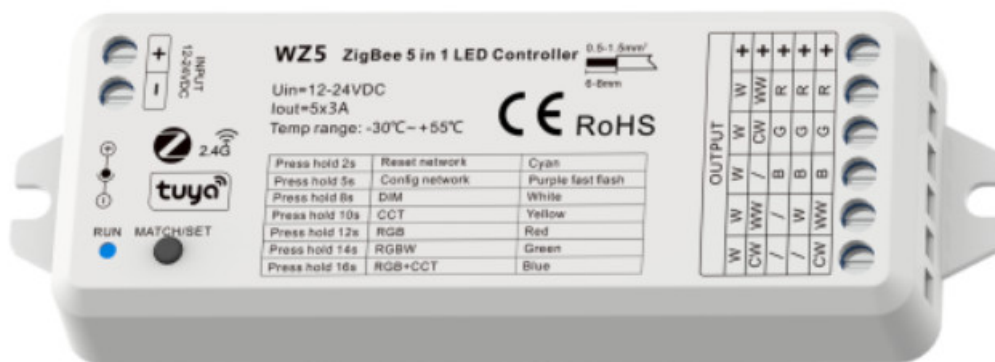
# Zigbee WZ5 RF 5 in1 LED Controller User Manual

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## ZigBee & RF 5 in1 LED Controller

**Model No.: WZ5**

**Tuya APP cloud control 5 Channels/1-5 color/DC power socket input/Wireless remote control**



FC  CE RoHS  LVD RED

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## Features

- 5 in 1 function, used for control RGB, RGBW, RGB+CCT, color temperature, or single color LED strip.
- DC power socket input and 5 channel constant voltage output.
- Tuya APP cloud control, support on/off, RGB color, color temperature, and brightness adjust, delay turn on/off light, timer run, scene, and music play function.
- Voice control, support amazon ECHO and TmallGenie smart speaker.
- Match with RF 2.4G remote control optional.
- Users need to set light to type by pressing the key before the Tuya APP network connection and matching RF remote of the same light type.
- Each WZ5 controller can also work as a ZigBee-RF converter, then use Tuya App to control one or more RF LED controllers or RF LED dimming drivers synchronously.

## Technical Parameters

Input and Output	
Input voltage	12-24VDC
Input current	15.5A
Output voltage	5 x (12-24)VDC
Output current	5CH,3A/CH
Output power	5 x (36-72)W
Output type	Constant voltage

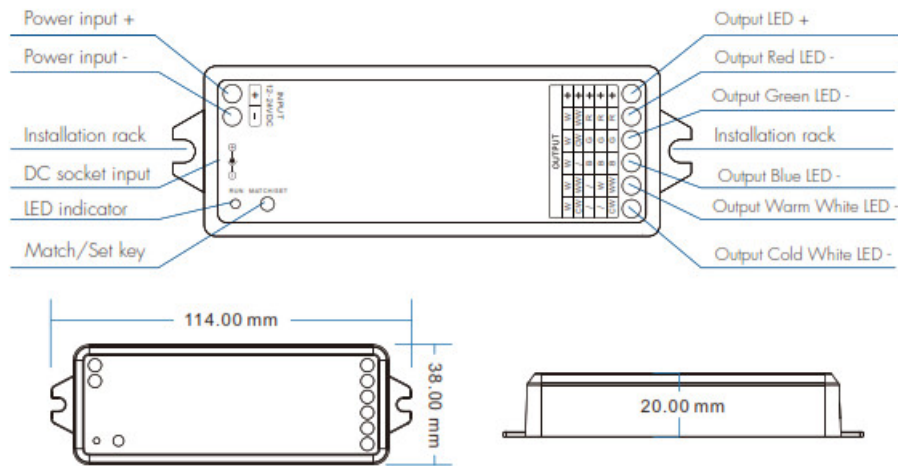
Dimming data	
Dimming range	Tuya APP + RF 2.4GHz
Input signal	30m(Barrier-free space)
Control distance	4096 (2 <sup>12</sup> ) levels
Dimming grayscale	0 -100%
Dimming curve	Logarithmic
PWM Frequency	500Hz (default)

Safety and EMC	
EMC standard (EMC)	EN55015, EN61547
Safety standard(LVD)	EN61347, EN62493
Radio Equipment(RED)	Safety+EMC+RF
Certification(CE-RED)	EN300 440,EN50663,EN301 489

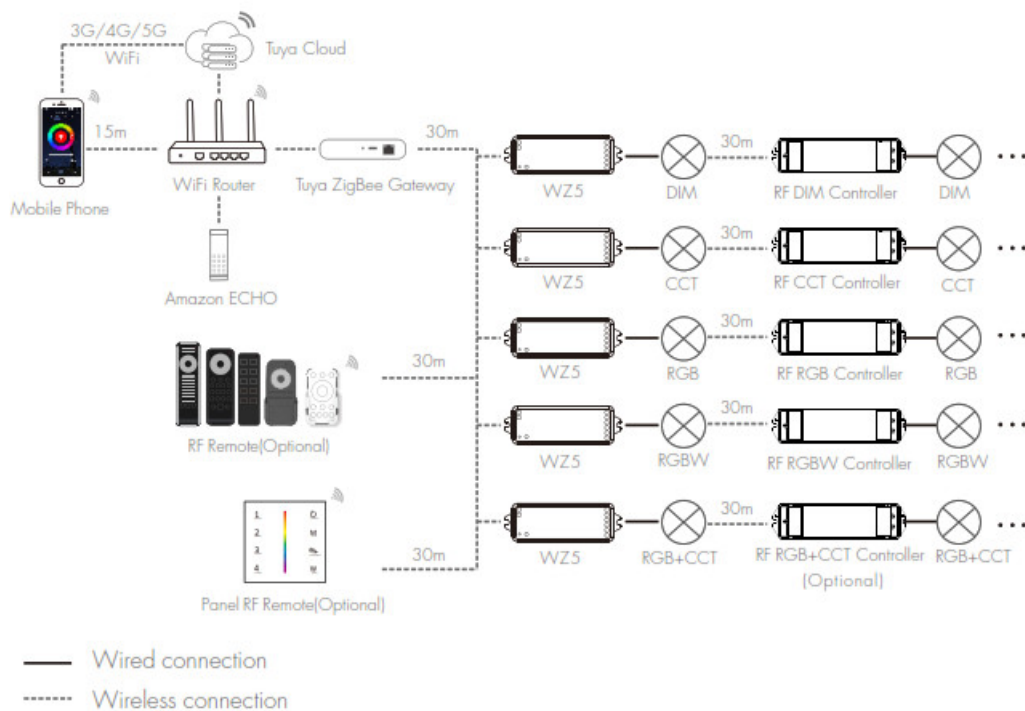
Environment	
Operation temperature	Ta: -30° C ~ +55° C
Case temperature (Max.)	T c: +85° C
IP rating	IP20

Warranty and Protection	
Warranty	5 years
Protection	Reverse polarity Over-heat

## Mechanical Structures and Installations



## System wiring

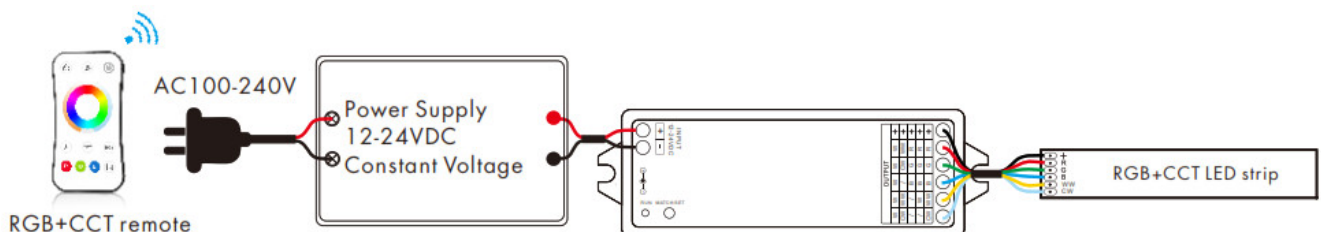


## Note:

1. The above distance is measured in a spacious(no obstacle) environment, Please refer to the actual test distance before installation.
2. Users must use the Tuya ZigBee gateway to realize remote control and voice control.

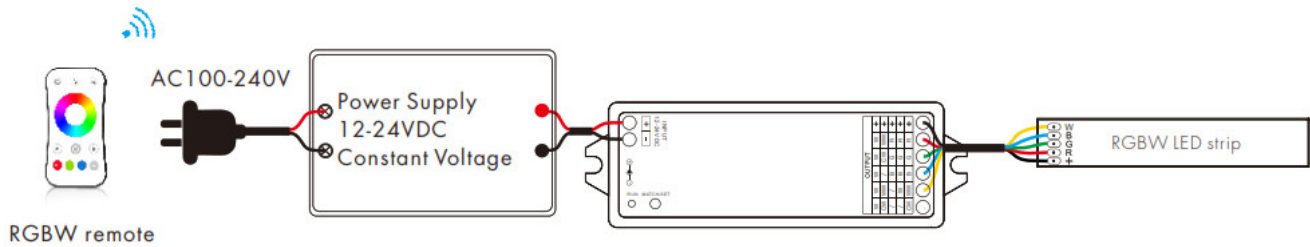
## Wiring Diagram

- For RGB+CCT



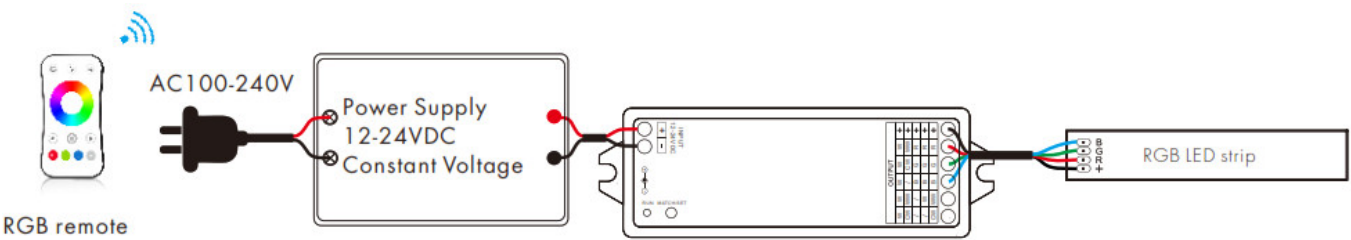
Press and hold match/set key for 16s, until the RUN LED indicator turns blue, then release, the controller will become RGB+CCT type, then do smart config by tuya APP, or short press match key to match with RGB+CCT RF remote.

- For RGBW



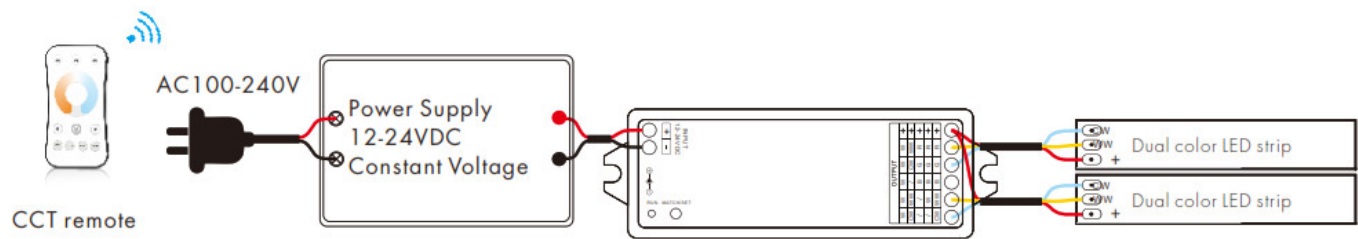
Press and hold match/set key for 14s, until the RUN LED indicator turns green, then release, the controller will become RGBW type, then do smart config by tuya APP, or short press match key to match with RGBW RF remote.

- For RGB



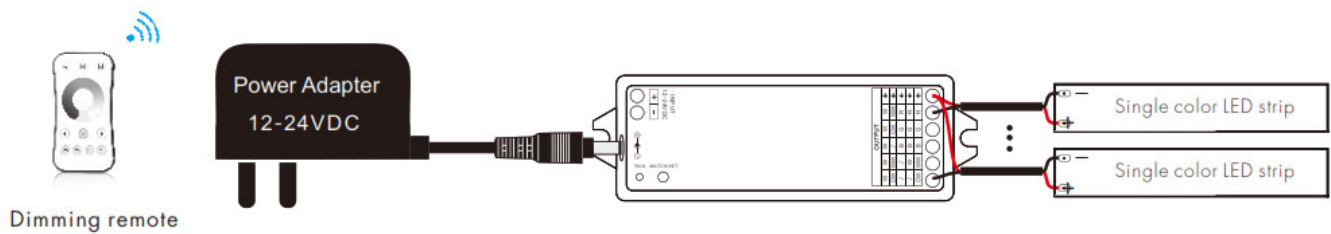
Press and hold match/set key for 12s, until the RUN LED indicator turns red, then release, the controller will become RGB type, then do smart config by tuya APP, or short press match key to match with RGB RF remote.

- For dual-color CCT



Press and hold match/set key for 10s, until the RUN LED indicator turn yellow, then release, the controller will become CCT type, then do smart config by tuya APP, or short press match key to match with CCT RF remote.

- For single color



Press and hold match set key for 8s, until the RUN LED indicator turns white, then release, the controller will become DIM type, then do smart config by tuya APP, or short press match key to match with dimming RF remote.

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

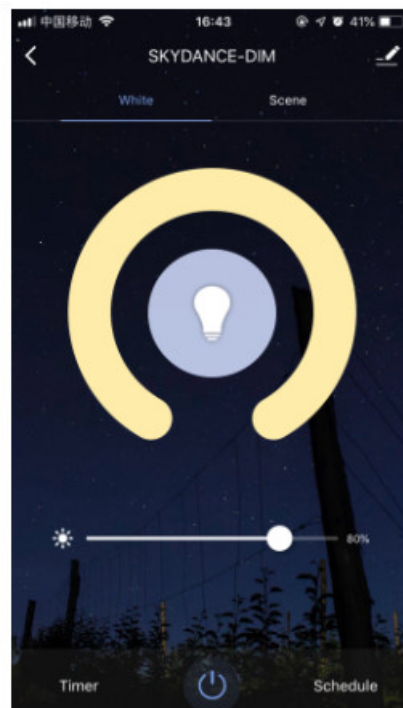
## Tuya APP network connection

Press and hold the Match/Set key for 2s, reset the ZigBee network, the LED indicator turn cyan.

Press and hold Match/Set key for 5s, or push twice Match/Set key fastly, or when press and hold Match/Set key for 8-16s to set 5 kinds light type: Clear previous network connection, enter config mode, the purple LED indicator fast flash.

If the Tuya APP network connection succeeds, the RUN LED indicator will stop flashing purple, and turn to correspond light type color (White: DIM, Yellow: CCT, Red: RGB, Green: RGBW, Blue: RGB+CCT). and in Tuya APP, you can find SKYDANCE-ZB-RGB+CCT device (or other DIM, CCT, RGB, or RGBW).

## Tuya APP interface

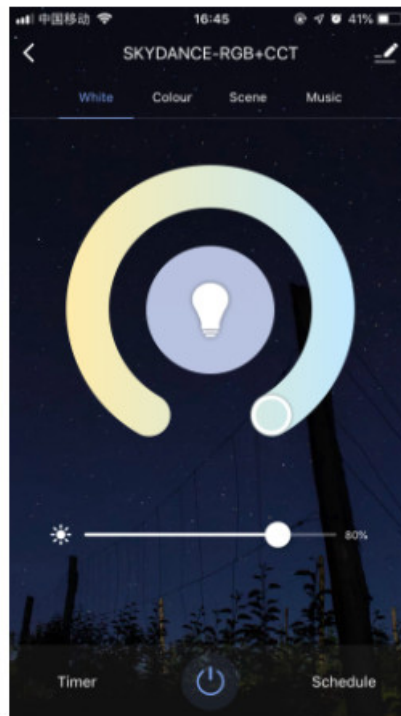


## White interface

For DIM type: Touch brightness slide to adjust brightness.

For RGB type: Touch brightness slide, get RGB mixed white firstly, then adjust white brightness.

For RGBW type: Touch brightness slide, adjust white channel brightness.



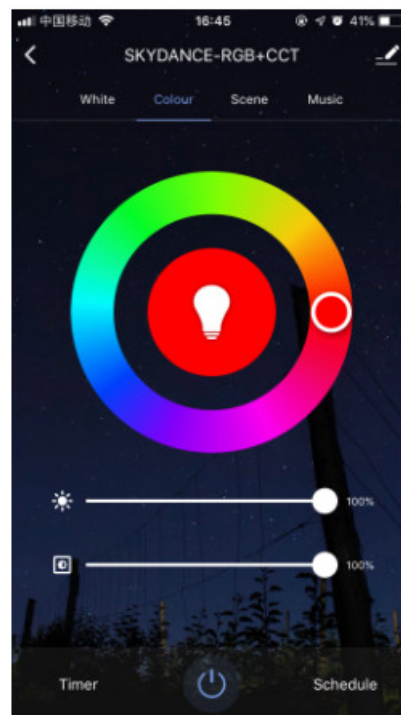
### Color temperature interface

For CCT type: Touch color wheel to adjust color temperature.

Touch brightness slide to adjust brightness.

For RGB+CCT type: Touch color wheel to adjust color temperature, RGB will turn off automatically.

Touch brightness slide to adjust white brightness.



### Colour interface

For RGB or RGBW type: Touch color wheel to adjust static RGB color.

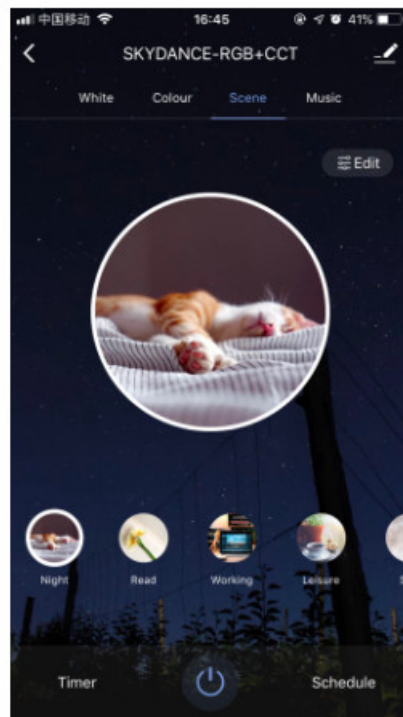
Touch brightness slide to adjust color brightness.

Touch saturation slide to adjust color saturation, namely gradient from the current color to white(RGB mixed).

For RGB+CCT type: Touch color wheel to adjust static RGB color, WW/CW will turn off automatically.

Touch brightness slide to adjust color brightness.

Touch saturation slide to adjust color saturation, namely gradient from the current color to white (RGB mixed).



### Scene interface

The 1-4 scene is the static color for all light types. the inner color of this scene can be editable.

The 5-8 scene is a dynamic model for RGB, RGBW, RGB+CCT type, such as green fade in and fades out, RGB jump, 6 color jump, 6 colors smooth

### Music, Timer, Schedule

The music play can use a smartphone music player or micro-phone as music signal input.

The Timer key can turn on or turn off the light in the next 24 hours.

The Schedule key can add multiple timers to turn on or turn off the light according to different time periods.

### WZ5 match remote control (Optional)

End-user can choose the suitable match/delete ways. Two options are offered for selection:

#### Use the WZ5's Match key

##### Match:

Short press match key of WZ5, immediately press on/off key (single-zone remote) or zone key (multiple zones remote) on the remote. The LED indicator fast flashes a few times means the match is successful.

##### Delete:

Press and hold match key of WZ5 for the 20s, The LED indicator fast flashes a few times means all matched remotes were deleted.

#### Use Power Restart

##### Match:

Switch off the power of WZ5, then switch on power again, immediately short press on/off key (single-zone remote) or zone key (multiple zones remote) 3 times on the remote. The light blinks 3 times means the match is successful.

##### Delete:

Switch off the power of WZ5, then switch on power again, immediately short press on/off key (single-zone remote) or zone key (multiple zones remote) 5 times on the remote. The light blinks 5 times means all matched remotes were deleted.

### WZ5 work as ZigBee-RF converter to match RF LED controller or dimming driver

End-user can choose the suitable match/delete ways. Two options are offered for selection:

#### **Use the controller's Match key**

##### **Match:**

Short press match key of the controller, immediately press on/off key on the Tuya APP.

The LED indicator fast flashes a few times means the match is successful.

##### **Delete:**

Press and hold the match key of the controller for 5s, The LED indicator fast flashes a few times means the match was deleted. **Use Power Restart**

##### **Match:**

Switch off the power of the controller, then switch on power again, immediately short press on/off key 3 times on the Tuya APP.

The light blinks 3 times means the match is successful.

##### **Delete:**

Switch off the power of the controller, then switch on power again, immediately short press on/off key 5 times on the Tuya APP. The light blinks 5 times means the match was deleted.

#### **RGB dynamic mode list**


##### **For RGB/RGBW:**

No.	Name	No.	Name
1	RGB jump	6	RGB fade in and out
2	RGB smooth	7	Red fade in and out
3	6 color jump	8	Green fade in and out
4	6 color smooth	9	Blue fade in and out
5	Yellow cyan purple smooth	10	White fade in and out

##### **For RGB+CCT:**

No.	Name	No.	Name
1	RGB jump	6	RGB fade in and out
2	RGB smooth	7	Red fade in and out
3	6 color jump	8	Green fade in and out
4	6 color smooth	9	Blue fade in and out
5	Color temperature smooth	10	White fade in and out

## Documents / Resources

	<a href="#">Zigbee WZ5 RF 5 in1 LED Controller</a> [pdf] User Manual WZ5, RF 5 in1 LED Controller
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Manuals+.