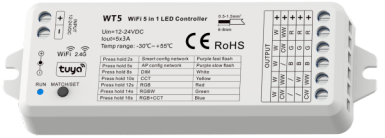
WiFi & RF 5 in1 LED Controller

Model No./Homcloud Code : SK-WT5

Homcloud APP cloud control/Voice control/5 Channels/1-5 color/DC power socket input/Wireless remote control



FC CE RoHS LVD RED

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.
- Homcloud/Smart Life APP cloud control, support on/off, RGB color, color temperature and brightness adjust, delay turn on/off light, timer run, scene edit and music play function.
- Voice control, support Amazon & Google smart speaker.
- Match with RF 2.4G remote control optional.
- User need set light type by press key before Tuya APP network connection and match RF remote of the same light type.
- Each controller can also work as WiFi-RF converter, then use Homcloud/Smart Life APP to control one or more RF LED controller or RF LED dimming driver synchronously.
- Light on/off fade time 3s selectable.

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

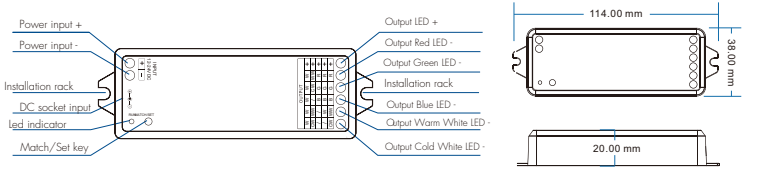
Dimming data	
Input signal	Tuya APP + RF 2.4GHz
Control distance	30m(Barrier-free space)
Dimming gray scale	4096 (2^12) levels
Dimming range	0-100%
Dimming curve	Logarithmic
PWM Frequency	1000Hz (default)

Safety and EMC	
EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Safety standard(LVD)	EN 62368-1:2020+A11:2020
Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Certification	CE,EMC,LVD,RED

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

Emissions and Protection	
Max Transmitting power	<20dBm
Protection	Reverse polarity Over-heat Short circuit

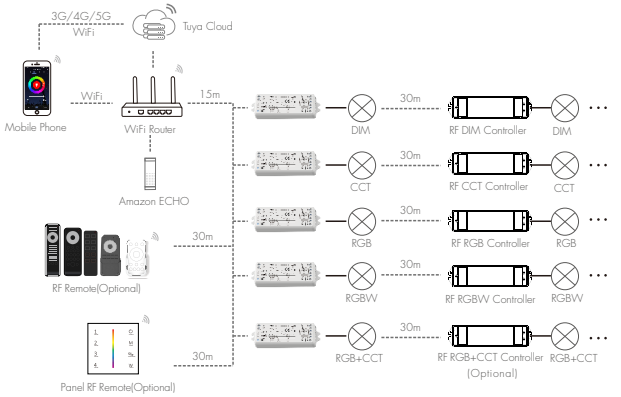
Mechanical Structures and Installations



System wiring

Caution: Please carefully ensure all wire connections and polarities are correct and secure before applying power,otherwise this controller will be damaged.

- Please contact a professional technician to install the product according to drawings and instructions.
- Keep out of the reach of childrens and away from water, dumpo or a wet environment.
- Check the ratings given in the instructions and on the product to make sure it is suitable for your application.
- Installer must be a trained experienced service technician or electrician.
- Do not disassemble open or repair the product.



—— Wired connection

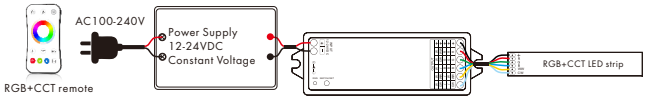
------ Wireless connection

Note:

1. The above distance is measured in spacious (no obstacle) environment, Please refer to the actual test distance before installation.
2. Please check if the WiFi router net in 2.4G band, the 5G band is not available, and do not hide your router network.
3. Please keep the distance between wifi devices and router close, and check the WiFi signals.

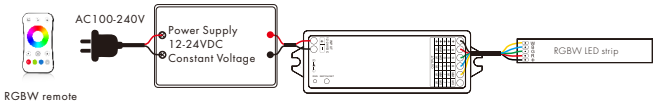
Wiring Diagram

- For RGB+CCT



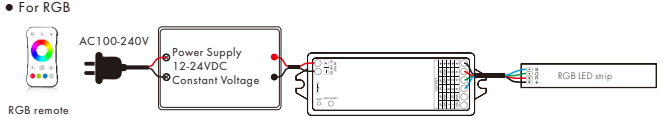
Press and hold match/set key for 16s, until the RUN LED indicator turn blue, then release, the controller will become RGB+CCT type, then do smart config by Homcloud/Smart Life APP, or short press match key to match with RGB+CCT RF remote.

- For RGBW



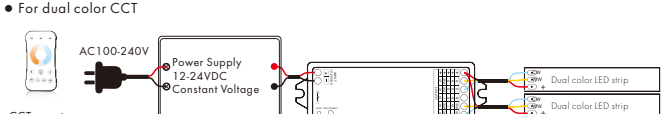
Press and hold match/set key for 14s, until the RUN LED indicator turn green, then release, the controller will become RGBW type, then do smart config by Homcloud/Smart Life APP, or short press match key to match with RGBW RF remote.

- For RGB



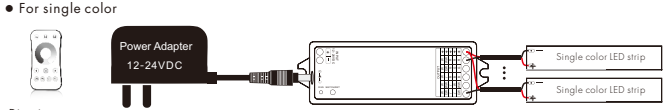
Press and hold match/set key for 12s, until the RUN LED indicator turn red, then release, the controller will become RGB type, then do smart config by Homcloud/Smart Life APP, or short press match key to match with RGB RF remote.

- 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 Homcloud/Smart Life 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 turn white, then release, the controller will become DIM type, then do smart config by Homcloud/Smart Life APP, or short press match key to match with dimming RF remote.

Note: 1. User can connect constant voltage power supply or power adapter as power input.

2. For RGB+CCT or CCT light type, continuous power on and off will change 3 levels color temperature (WW, NW and CW) in sequence.
3. Switch off the power, then switch on power, repeat again. Immediately short press match key 3 times, the light on/off time will change between 3s and 0.5s.

Homcloud App Download and registration

Download Homcloud App from App Store or Google Play and register a new Account.
Important: our App only supports 2.4gHz Wi-Fi networks IEEE 802.11 b/g/n

Homcloud APP network connection

CONFIGURATION:

IMPORTANT: Before configuration on App, user need set light type by press key and match RF remote of the same light type. (If you haven't done it yet follow instructions on "wiring diagram")

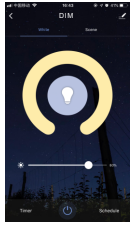
1) Press and hold Match/Set key for 2s, or push twice Match/Set key fastly until the blue LED indicator flash fastly. (EZ Mode)

1b) if point 1 fails, use AP Mode: Press and hold Match/Set key for 5s: Clear previous network connection, enter AP config mode, the blue LED indicator flash slowly. (AP Mode)

2) Open the Homcloud App and press "Add Device"or "+" in the upper right corner to add the device and select the correct device to start the pairing process.

3) Follow the instructions on the App, giving all the confirmations needed.

4) Choose Name and house postion if you wish, then start using the device.

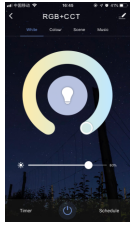


White interface

For DIM type:
Touch brightness slide to adjust brightness.

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

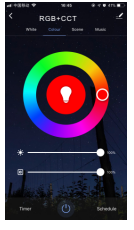
For RGBW type:
Touch brightness slide, adjust white channel brightness.



Color temperature interface

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

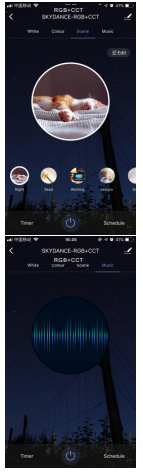
For RGB+CCT type:
Touch color wheel to adjust color temperature, RGB will turn off automatically. Touch brightness slide to adjust white brightness.



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 static color for all light type. the
inner color of these scene can be editable.

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

Music, Timer, Schedule

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

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

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

Homcloud controller match remote control (Optional)

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 controller,
immediately press on/off key (single zone remote)
or zone key (multiple zone remote) on the remote.
The LED indicator fast flash a few times
means match is successful.

Delete:
Press and hold match key of controller for 20s,
The LED indicator fast flash a few times
means all matched remotes were deleted.

Use Power Restart

Match:
Switch off the power of controller, then switch on power, repeat again. Immediately short press on/off key (single zone remote)
or zone key (multiple zone remote) 3 times on the remote.
The light blinks 3 times means match is successful.

Delete:
Switch off the power of controller, then switch on power, repeat again. Immediately short press on/off key (single zone remote)
or zone key (multiple zone remote) 5 times on the remote.
The light blinks 5 times means all matched remotes were deleted.

Homcloud controller works as WiFi-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
Homcloud/Smart Life APP. The LED indicator
fast flash a few times means match is
successful.

Delete:
Press and hold match key of the controller for 5s,
The LED indicator fast flash a few times
means match was deleted.

Use Power Restart

Match:
Switch off the power of the controller, then switch on power,
repeat again.
Immediately short press on/off key 3 times on the
Homcloud/Smart Life APP. The light blinks 3 times means
match is successful.

Delete:
Switch off the power of the controller, then switch on
power, repeat again.
Immediately short press on/off key 5 times on the
Homcloud/Smart Life APP. The light blinks 5 times means
match was deleted.

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

Integration with Alexa and Google

Download and install Google Home or Amazon Alexa App and control your devices with your voice, with smart speakers or directly with your smartphone.

IMPORTANT: if you want to link the homcloud App to Google Home or to the Amazon Alexa App, you need to select "SMART LIFE" App between the list of Google Home Partners or Amazon Alexa Skills.
After that passage the user will be automatically directed to the Homcloud App.
There is NO NEED to download the Smart Life App, only the Homcloud App is needed.

Declaration of Conformity

Hereby, Life365 Italy S.p.A. declares that this wireless device complies with the essential requirements and other related provisions of Directive 2014/53 / EU of the European Parliament and of the Council. The declaration can be consulted on the website www.homcloud.com/doc.

"Homcloud" is a registered trademark of Life365 Italy S.p.A.

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Environmental information

This product may contain substances that can be harmful to the environment and human health if it is not disposed of properly. We therefore provide you with the following information to avoid the release of these substances and to improve the use of natural resources. Electric and electronic equipment must not be disposed of with normal urban waste but must be sent to separate collection for their correct treatment. The crossed-out bid symbol, affixed to the product and on this page reminds you of the need to dispose, reminds the product to
end of his life. In this way it is possible to avoid that a non-specific treatment of the substances contained in these products, or an improper use of parts of them, can lead to harmful consequences for the environment and human health. It also contributes to the recovery, recycling and reuse of many of the materials contained in these products. For this purpose, the manufacturers and distributors of electrical and electronic equipment organize appropriate collection and disposal systems for the equipment. At the end of the product's life, turn to your appliance for information on how to collect. When purchasing this product, your device will also inform you of the possibility of returning a device for free at the end of its life provided that it is of an equivalent type and performs the same functions as the purchased product or, if the dimensions are not greater than 25 cm , the EEE can be returned without the obligation to purchase the equivalent product. Disposal of the product in a different way from what is described above will be subject to the penalties provided for by the national legislation in force in the country where it is disposed of. We also recommend that you take other measures favorable to the environment: recycle the internal and external packaging with which the product is supplied and properly dispose of used batteries (only if contained in the product). With the help it is possible to reduce the amount of natural resources used for the construction of electrical and electronic equipment, to minimize the use of discharged resources for the disposal of products and to improve the quality of life by avoiding substances that reduce the environment.

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