

# User Guide



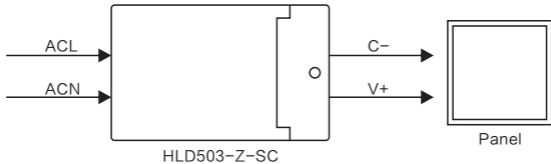
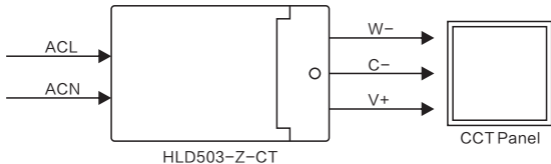
iOS



Android

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## 1 Wiring Diagram



## 2 System requirement

Android 2.3 and above  
iOS 6.0 and above

## 3 Application installation

Scan QR Code, and install application.



## 4 WiFi settings

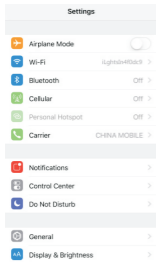
Power on the gateway. Please select the WLAN iLightsInxxxxxx on mobile settings menu. The xxxxxx is the mac address on back of gateway. Connect the WiFi AP, and open installed application(Picture 1,2).

### Attention :

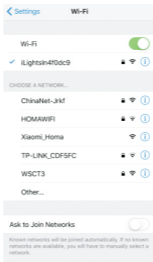
The gateway can be set to connect another router on application setting menu. See chapter [8.2 Network settings](#).

## 5 Enter application

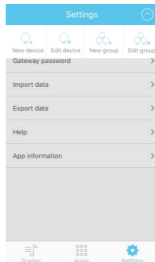
The settings menu will display first after help menu. User can select Add device menu to add device in application or Network settings menu to connect another router.



Picture1



Picture2

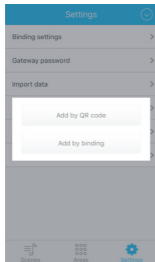


Picture3

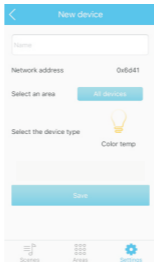
## 6 Add device

Enter Settings menu/ Add device with 2 methods to add device(picture3, 4).

- Add device by QRCode scanning. Each of device has one QRCode. User can scan QRCode to add device in application(Picture5). Save the scanned device and check it by Testing button(Picture6).



Picture4



Picture5



Picture6

**Attention:**

The device and gateway has to be power on while test button is pressed, but the device can be power off while scanning QRcode to add device. And the gateway has to be power on when enter Add device or Add group menu.

- b) Add device by pairing. The following are steps to add device by pairing mode
1. First input the device name and select correct device type.

2. Activate the device pairing mode by power on device (some device will be on pairing mode in 5 seconds after power on). Or user also can activate pairing mode by press the key of device.

3. Save the device while device is on pairing mode (The pairing command will be sent to device while save button is pressed)(Picture7, 8).

**Attention:**

- a. The device type on Add device menu has to be the same with device!
- b. The following is the definition to activate pairing mode for different device.

Product	Activate pairing mode 5 seconds automatically after power on	Activate pairing mode 15 seconds by key
LED Driver	Yes	No

## **7** Area

### 7.1 Add area

Click  to area menu. And click  to add new area(Picture9,10)  
Input the area name and select devices for this area.

### 7.2 Area Sub Menu

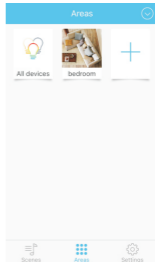
Click one area can enter the sub menu and all different device can be listed.  
User can control each of device in this area(Picture11).  
User can move the slider to change color or brightness.



Picture7



Picture8



Picture9

The lights have to bound with daylight sensor for daylight sensor control. The following is the operation steps.(Picture12,13)

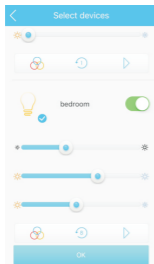
**Attention:**

Please binding the device before control the daylight sensor. See chapter [8.3 Binding settings](#).

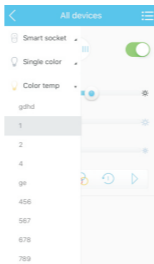
- a). Power on lights. Bind the light or group in Settings/Binding settings menu.
- b). Change the lights brightness to favorite luminance (User can use illuminometer to get favorite luminance).



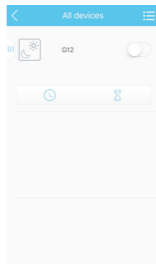
c).Find the sensor in Area/All devices menu.  
d).Power on sensor. Go to sensor parameter menu. Set current Lux as constant value. Attention: The stored lux value is around sensor!  
Turn on the sensor in App. Then sensor will change all bound lights brightness based on environment luminance. (If user needs to change the sensor parameter, please turn off sensor in APP first. Then turn on sensor after parameter setting.)



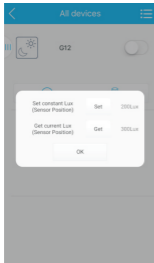
Picture10



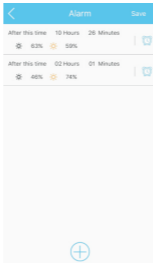
Picture11



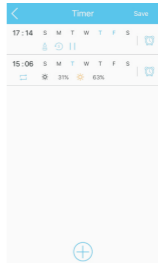
Picture12








Picture13



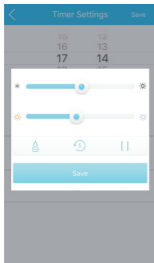
Picture14



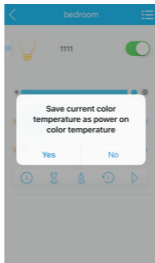
Picture15

The part    can set different effect, interval and run or stop. Click   to enter Timer or delay menu. Under this menu, user can set the timer or delay and different status while timeout (Picture14,15,16). User can store the power on color for Color temperature light(Picture17). User select different type device by the following icons (Picture18).

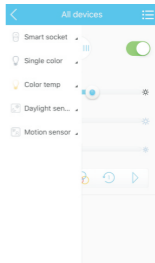




Picture16



Picture17




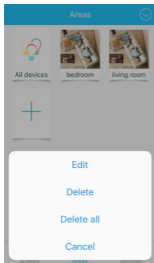
Picture18

## 7.1 Edit area

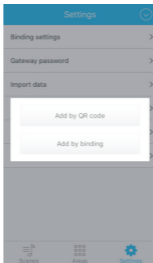
User can long press the area button on area menu to edit area or delete area (Picture19).

## 8 Settings

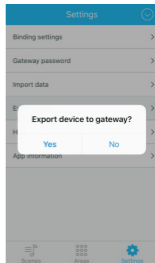
Click  to enter settings menu.



Picture19



Picture20



Picture21

## 8.1 Import data/Export data

All devices , scene and area are stored on client as database. Please back up your database after all devices, scene and area adding done.

Apps support database synchronization between 2 clients(Picture20,21,22).

a. Import or export database from SD card or to SD card. (Android)

b. Import database from another mobile, MID or PC by LAN

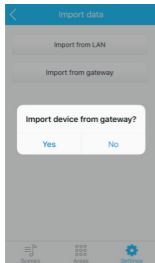
**Attention:** Clients can not synchronize database on iLightsInxxxxxx router

c. Import or export database from gateway.

## 8.2 Network settings

The gateway also can join another WiFi router for remote control.

**Attention:** The gateway will recover the default settings after the setting is failed with wrong SSID, encryption type or password.



Picture22



Picture23



Picture24

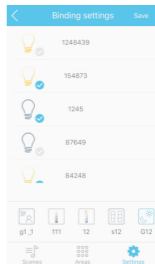
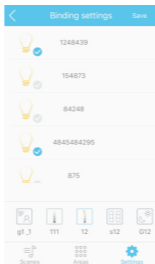
### 8.3 Binding settings(Picture23,24,25,26,27)

a).Open Add devcie, select Add by QRcode, Scan the QRcode back of touch dimmer.

b).Input name and save. Then the touch dimmer has to bound with lights before light control.

Handheld dimmer has to press any key before Click Save.

d).User can bind the remote control, handheld dimmer and sensor with lights.



## 9 Environment and Electrical parameters

Parameters	HLD503-Z-CT	HLD503-Z-SC
Input power	100-277VAC	100-277VAC
Channels	2 Channels	1 Channel
Output Current	950mA MAX	950mA MAX
Output DC	24-38V	24-38V
PF	> 0.9	> 0.9
EFFICIENCY	Max 85%	Max 85%
Wireless frequency	2.4GHz	2.4GHz
Operation temperature	-20°C to 55°C	-20°C to 55°C
No land power	< 0.5W	< 0.5W

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful

interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

FCC ID: **2AK4B-W-99-D**