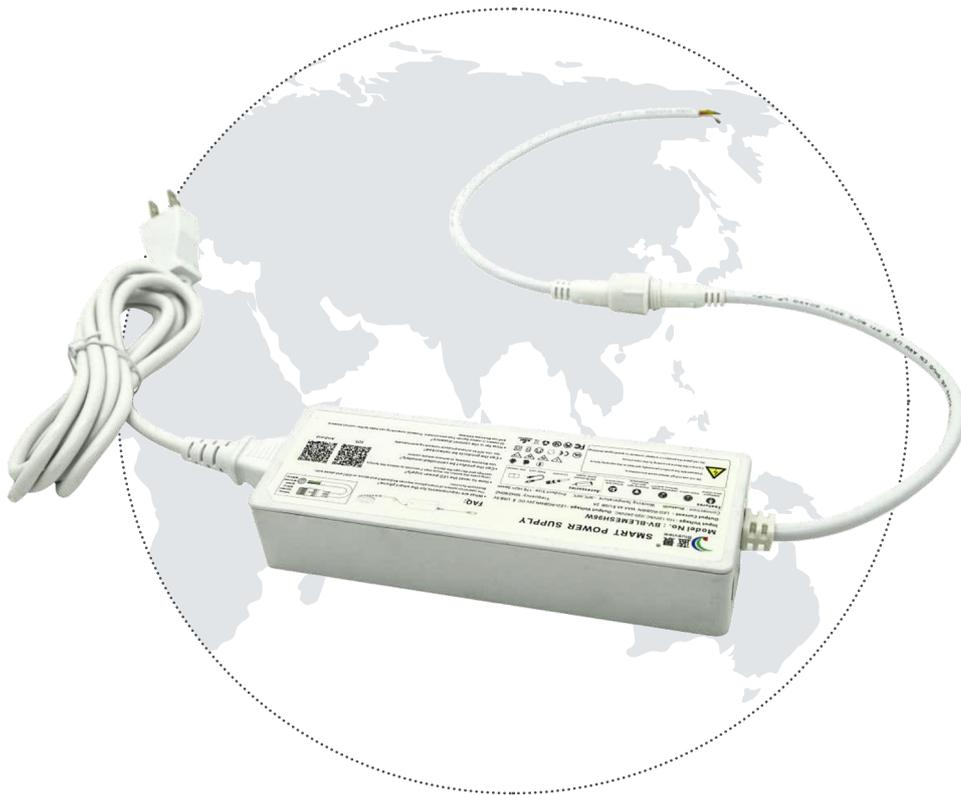




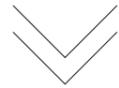
SMART DIMMER DRIVER BLE MESH LIGHTING SYSTEM



CE FC UL RoHS CLASS 2



01 Application



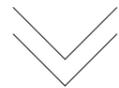
Container display rack

Shopping mall lighting

Office lighting

Home lighting

Outdoor decoration



Andriod



ios

02 Product Introduction

BV-P2496 is a wireless Bluetooth MESH LED dimming driver, which can be an ordinary LED driver, also can be used for dimming and toning with a mobile APP or remote control. The biggest feature of this power supply is that the Bluetooth MESH protocol, which has self networking function is directly integrated into the power supply. With this power supply, we can use one mobile phone remotely control multiple BV-P2496 for dimming and toning. And combined with the rich functions of the mobile phone APP, various functions such as device grouping, timing, music interaction, synchronized breathing, fading and jump change can be realized. BV-2496 support max. RGBWN five ways output.

Features

1. 100m super long networking distance guaranteed
2. Fully certificated with quality insurance(UL,FCC,CE,ROHS)
3. 4 years industry leading warranty
4. Combined design of power supply and controller, conventional power supply replaceable
5. Multiple functions with dimming, toning, grouping, timing, music interaction etc.
6. Bluetooth MESH protocol enables self networking
7. Gateway configuration enables remote control
8. Flexible adjusting, mobile phone and remote control are optional
9. Single network, maximum 64 input with stability
10. Easy installation, free maintenance

03 Parameters

Model No.: BV-P2496

Input: 110-120VAC /220-240VAC

Output: LED-RGBWN(5 ways) 24V DC;USB 5V MAX Power 96W

Output Current: LED-RGBWN (5ways) MAX 4A ;USB 2A MAX Power 96W

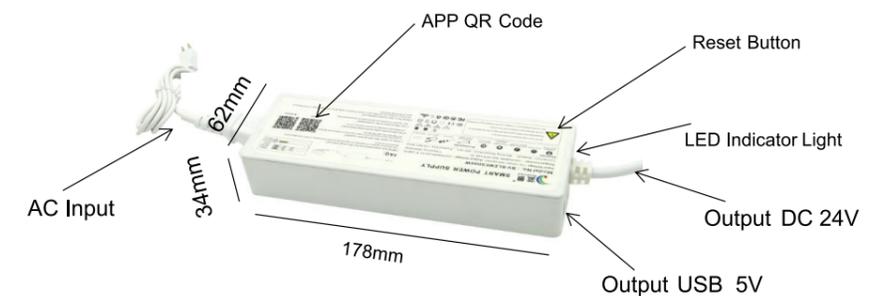
Output Control: Dimming,color temperature adjusting,RGB,RGBW,RGBWN

Frequency Range: 50HZ/60HZ

COM Method: Bluetooth BLE 2.4GRF

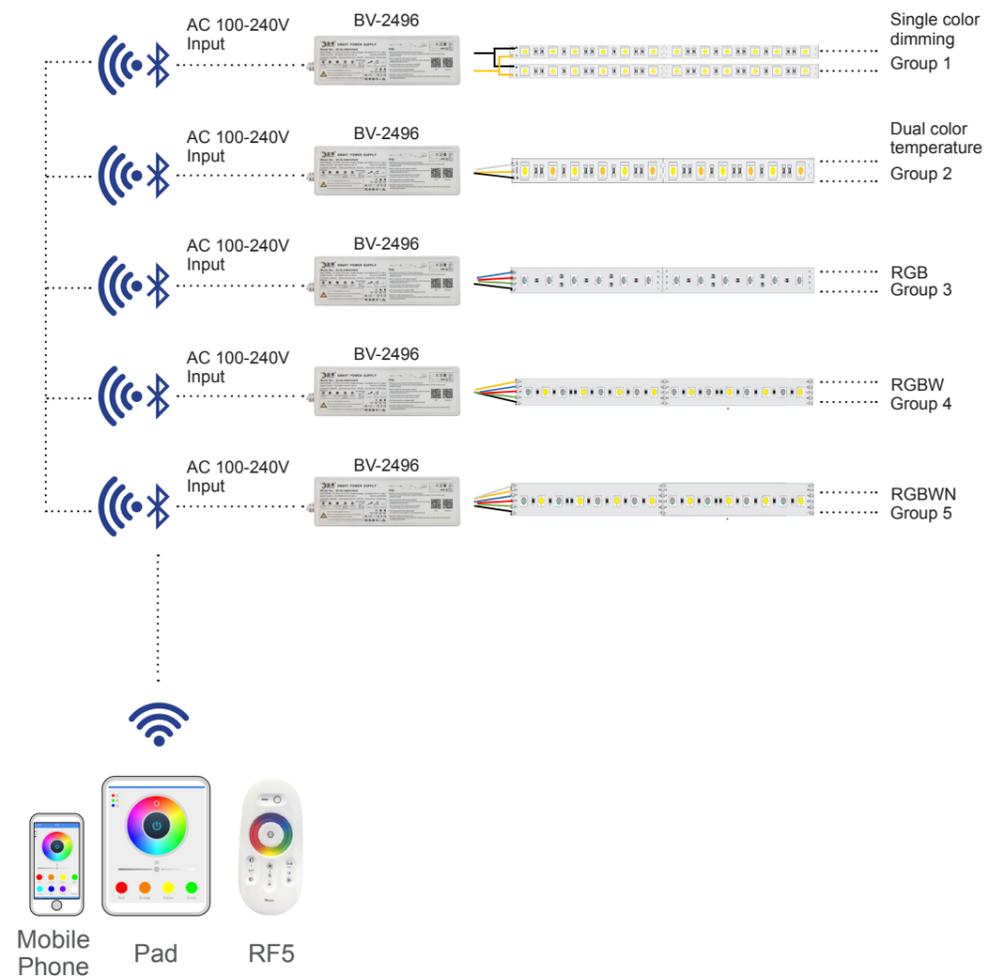
Operating Temp:-20°C -55°C

Product Size: 178 ×62× 34mm



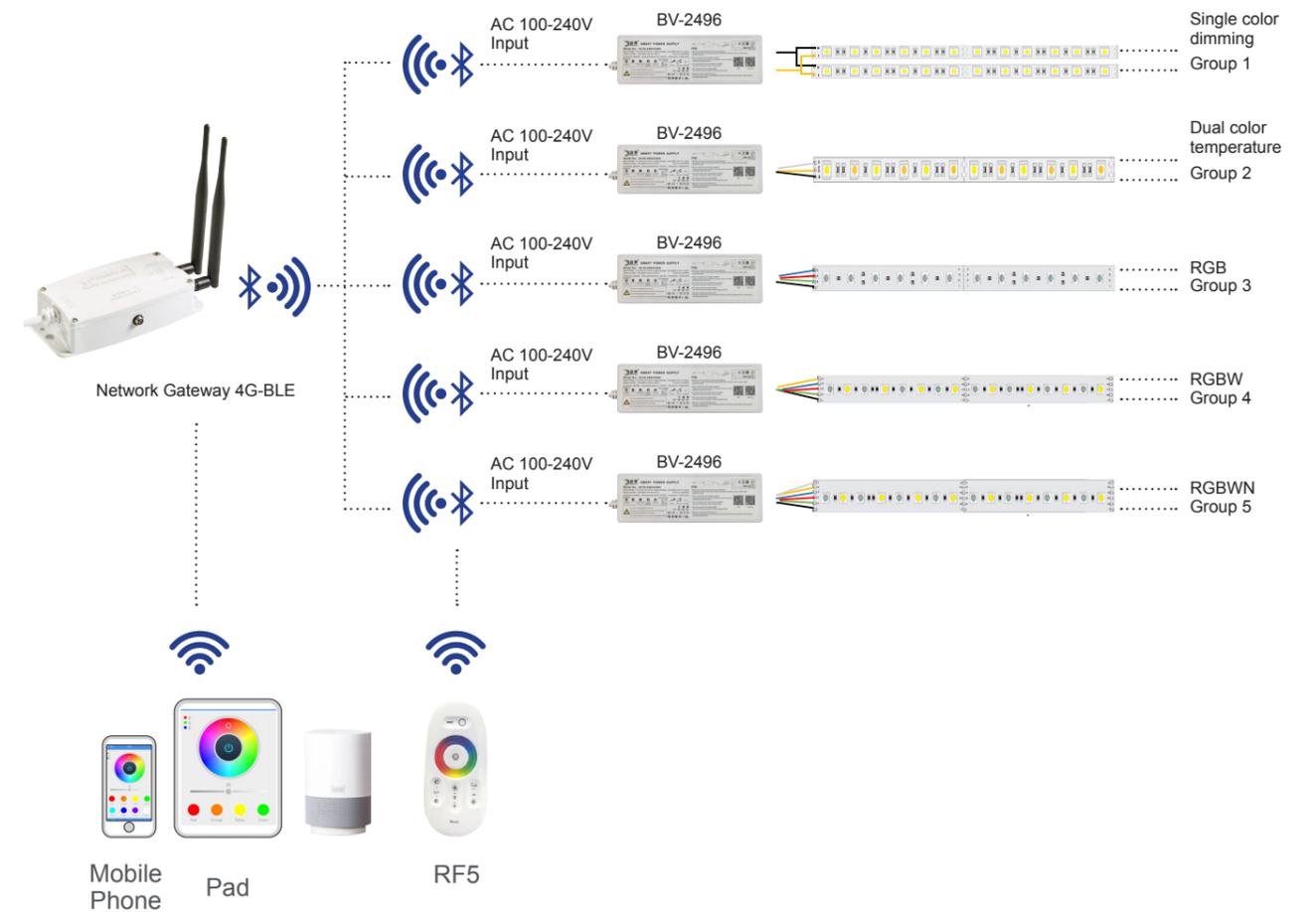
Short-range control connection diagram

1. Direct short-range operation via mobile app or remote control.
2. Power supplies are directly connected to the network via Bluetooth MESH, no need to set.
3. The installation distance among power supplies should be less than 100 meters. If there is an obstacle, the distance should be reduced according to the site environment.
4. You can check whether the device is in the networking state on the mobile APP. (The device in the networking will be displayed on the mobile APP. The mobile app defaults to the closest device.)
5. The mobile phone and remote control operation should be within 30 meters of the power supply.
6. Network and grouping can be set according to mobile app after installation.
7. Single network support max. 64 power supplies, another network is needed for more power supplies.
8. Single network support 200 groups.



Remote control connection diagram

1. Add a network gateway(4G-BLE) for mobile APP remote control.
2. Connect the network gateway to the main line.
3. The installation distance between network gateway and power supplies should be less than 100 meters. If there is an obstacle, the distance should be reduced according to the site environment.
4. You can set the remote control with the mobile APP after installation. The mobile phone needs to be connected to the Internet (wifi or 4G).



05

About APP

APP Download

Scan the QR code bellow to install the APP, and open the bluetooth.



Andriod

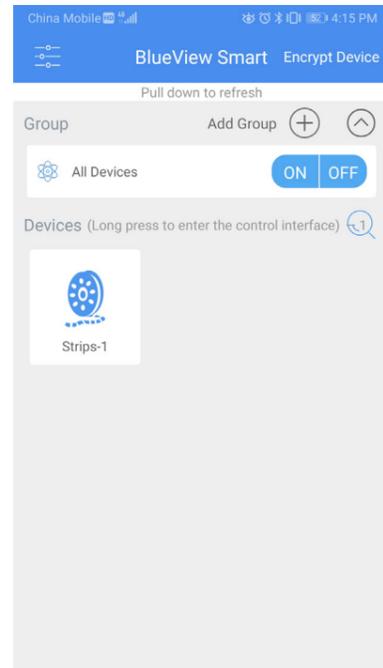
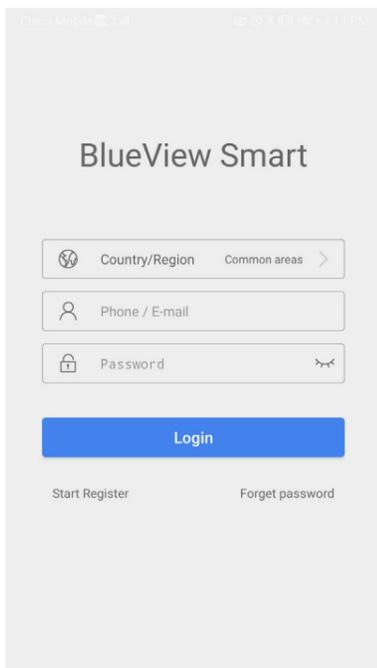


ios

06

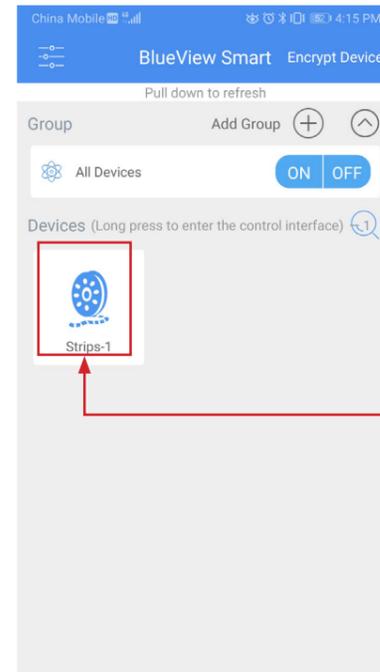
APP Operating Instruction

After the device is installed, open the APP and register the account.
The APP will automatically connect all the devices.
If not, please check whether the wiring is correct and the installation distance among devices is too far.



Device list
One icon refers to one device

Click the device icon for on and off, and long press it into dimming ang toning page.



Single click for on and off, long press into dimming page and quick double click for strip flashing positioning.



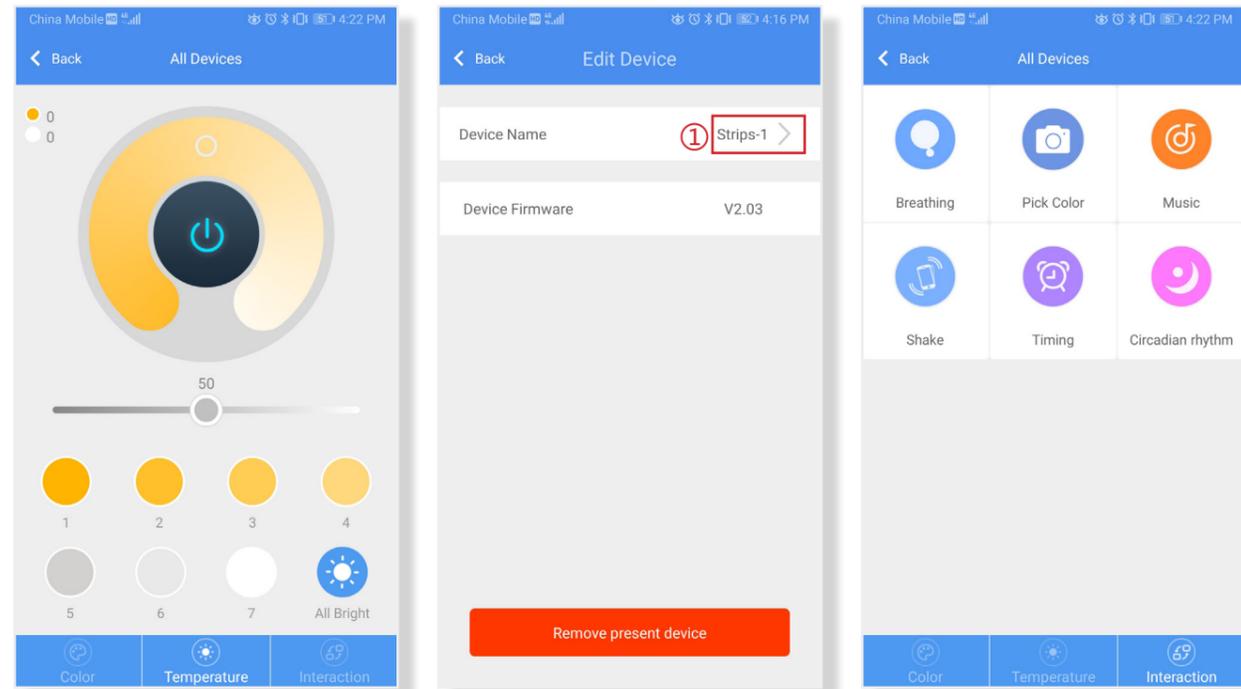
Device Editing

Color Disk
touch for dimming

Brightness Bar
touch to adjust brightness

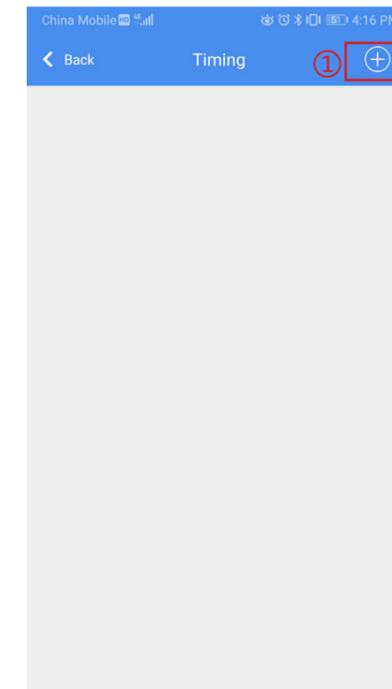
Color Storage Disk
long press to edit

Click the color temperature button for color temperature adjusting. Click the edit button to change device name and remove device. Click the interaction button into interaction page.



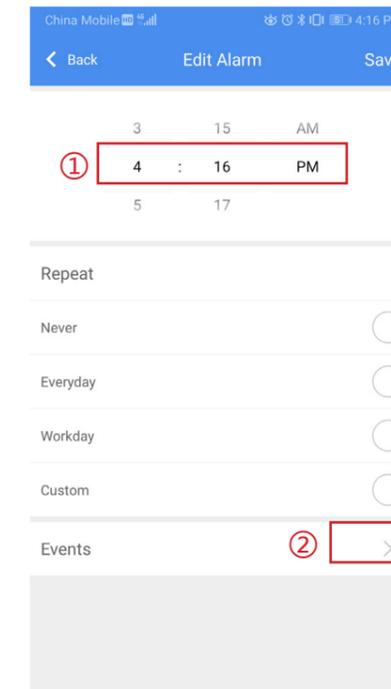
① Change device name

Timing Page



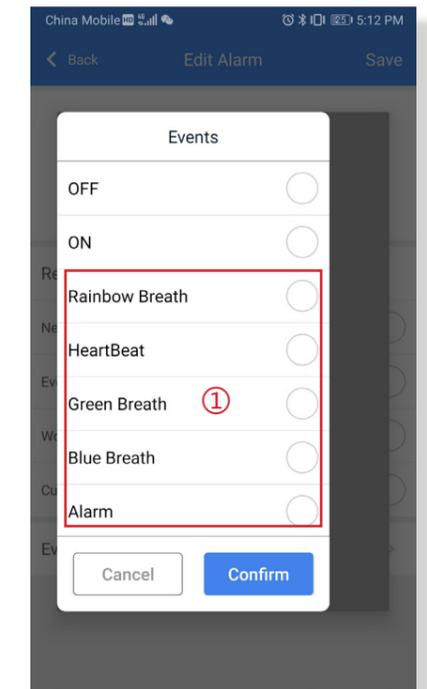
① Click to add timing

Time and Item Setting



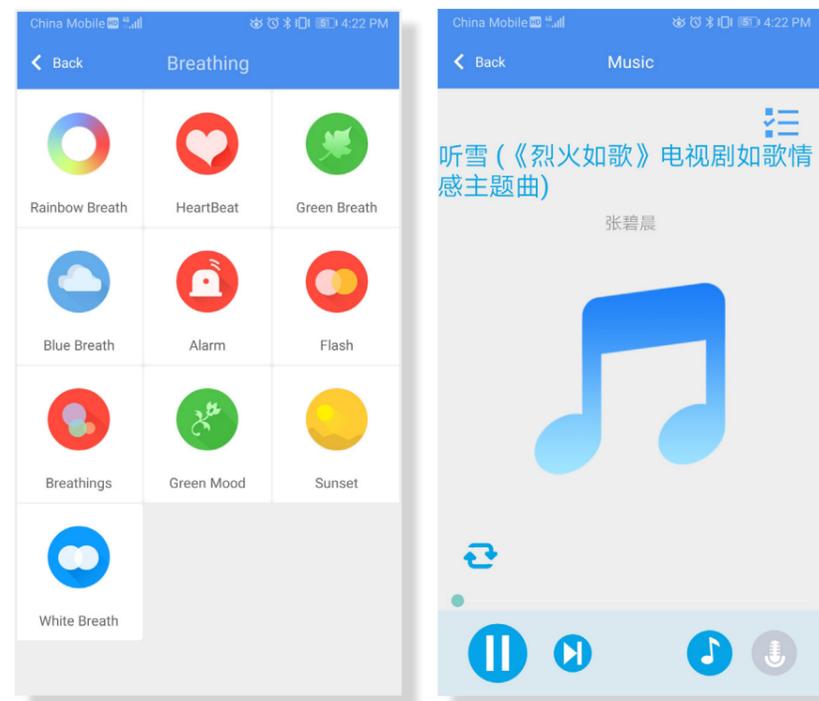
① Time setting
② Item setting

Click save to finish



① Item list

Click the breathing in interaction page into breathing page; click music appears music functions; click timing into timing page. After the timing function is set, if all devices are powered off, the timing data will be lost. To keep the data only need any device being powered. It is recommended to add the network gateway to keep the timing data from being lost.

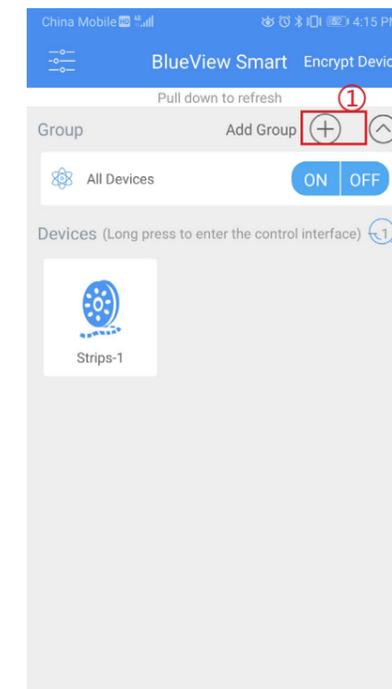


Breathing Page

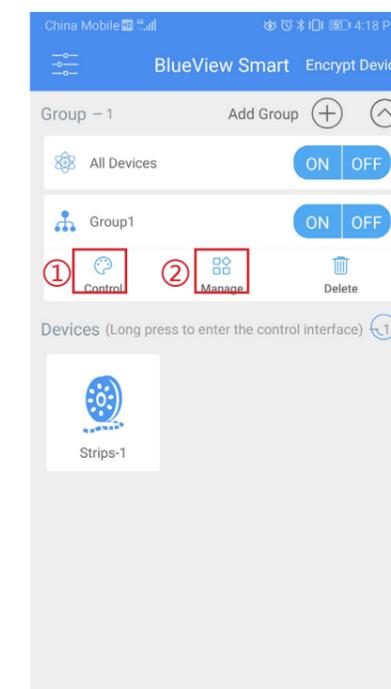
Music Page

Group Adding

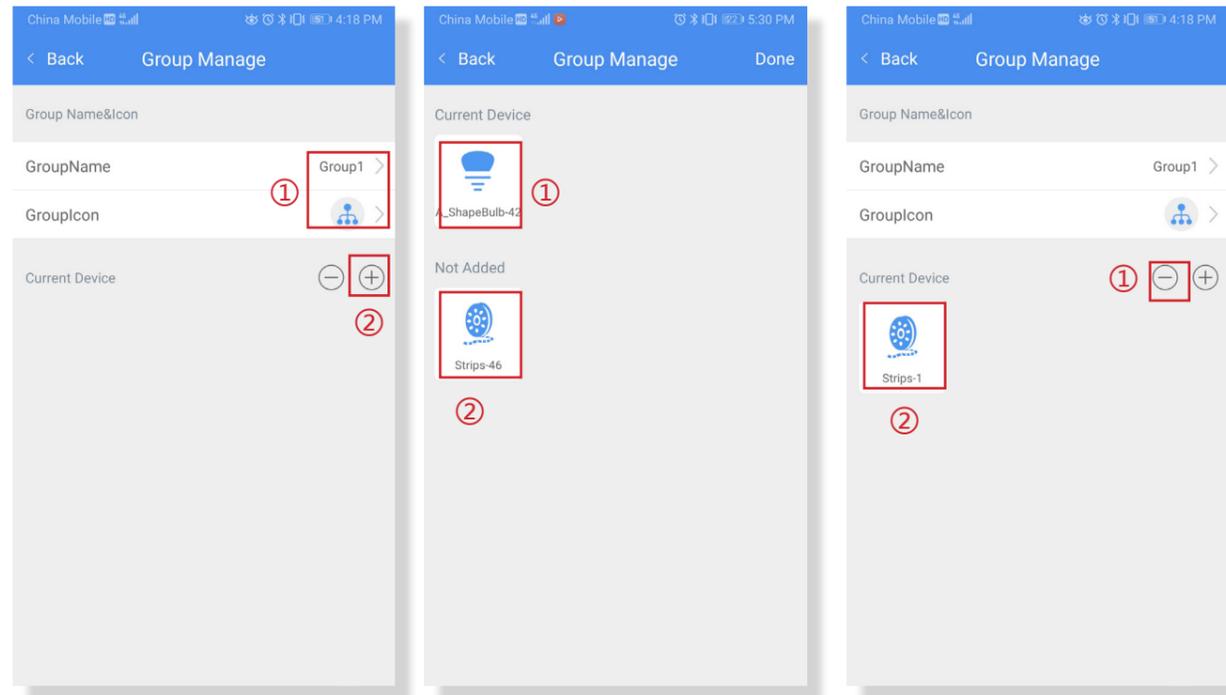
It can add 250 groups, and you can control and manage the device through groups after the device is added into group.



① Click to add group



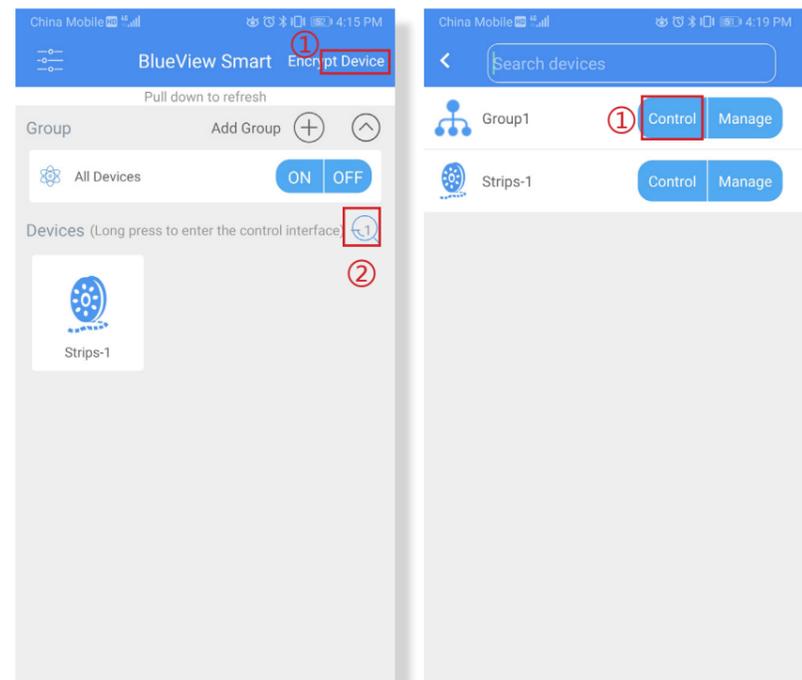
① After device grouping,click the control into group dimming and toning page.
② Click to manage



- ① Change name and icon
- ② Click to add group
- ① Double click the current device to delete it
- ② Double click the device icon to add device
- ① Click to delete the device
- ② Device grouped successfully

Device Searching

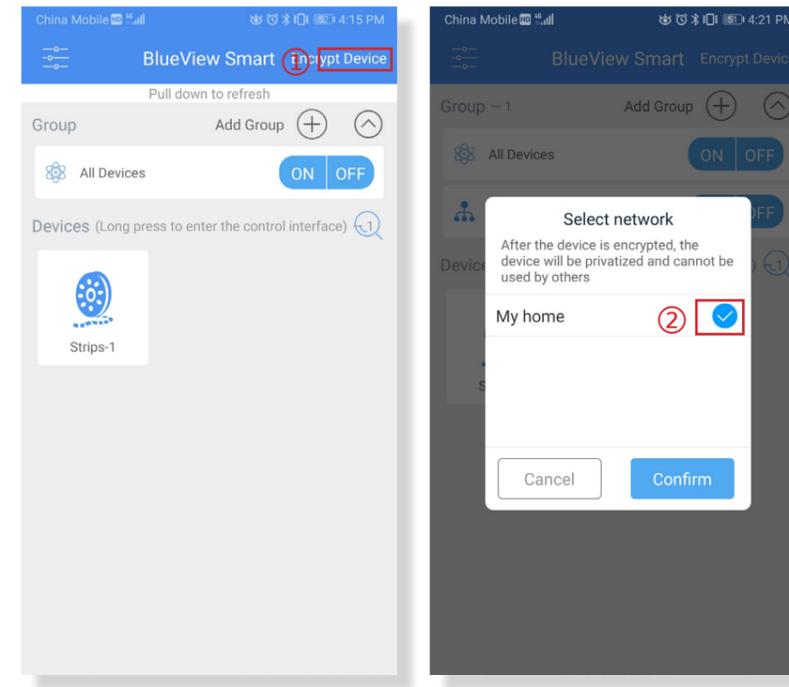
When there are too many devices and it is hard to find some one, you can use device search to enter the device name and find it to control.



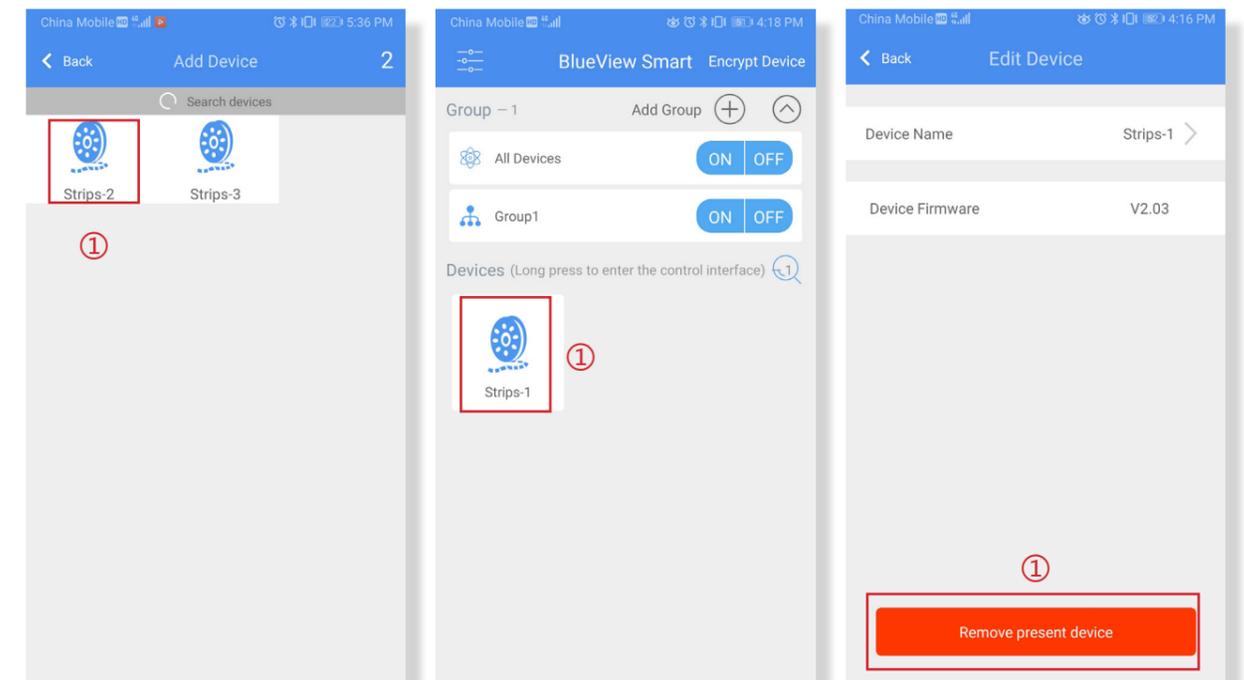
- ① Device encryption
- ② Device searching
- ① Click to enter control page

Device Encryption(recommend way)

After the device is encrypted, all devices will join a network, the default network is MY HOME; you can also create a new network. After encryption, other people can't connect and control the device; all data will be stored in the Internet after joining the network. Remote control and smart speaker control can be realized with the network gateway.

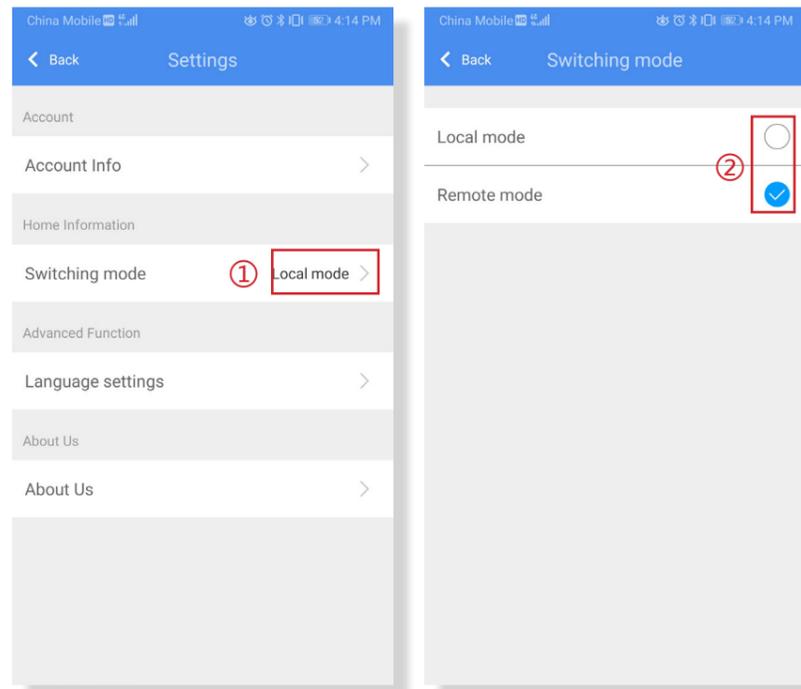


- ① Device encryption
- ② Select network

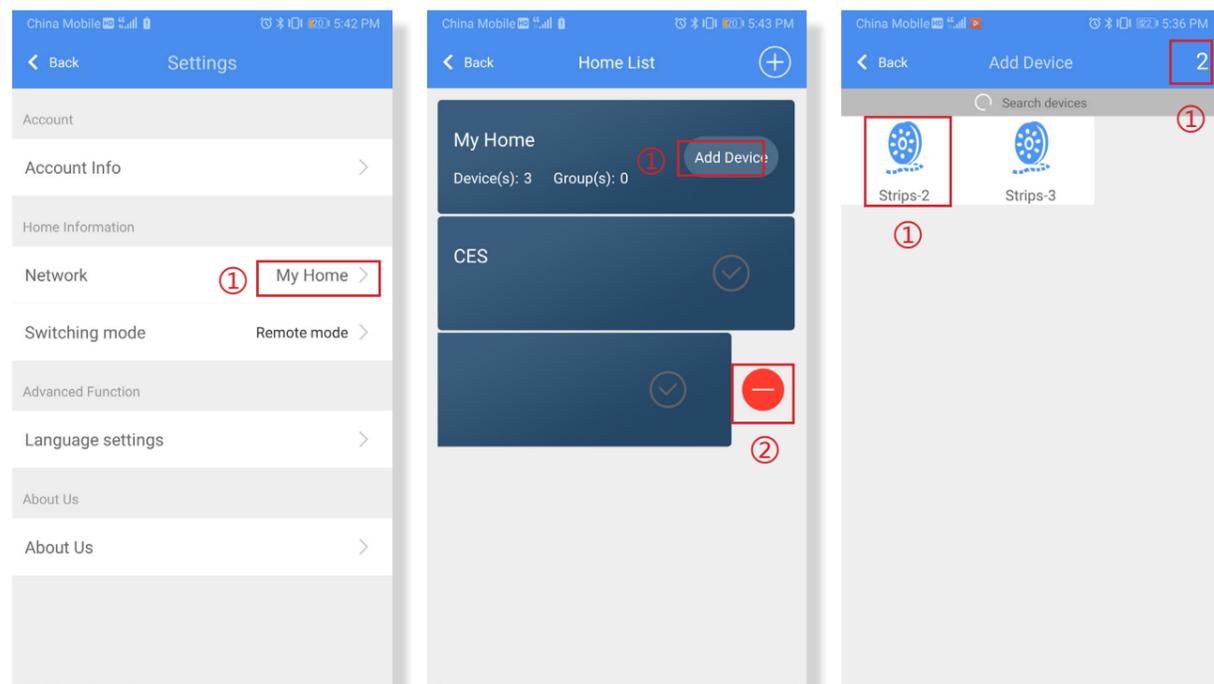


- ① APP will automatically search and add devices, if add successfully,the strip will flash. If not, please add it again near the device.
- ① The state means device online
Pull down to refresh the data, to see successful added device. Long press the device icon to enter the control, edit page.
- ① Remove online device. Go to the edit page and click Delete Device to remove it from the network, and it is restored into the local network.

Network switching and manually adding devices to the network---APP supports manual switching between local network and remote network. When re-entering the account and password, we need to switch to the established remote network; or we need to switch the network list when we want to switch to another encrypted network and control it.



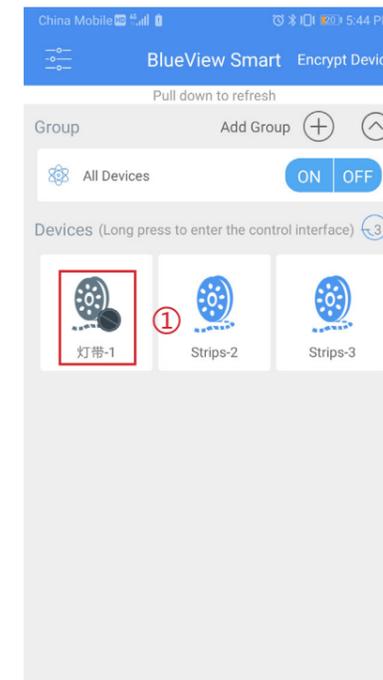
- ① Click to switch network mode
- ② Check the remote mode to establish a home network



- ① Click to enter network list
- ① Click to add unencrypted device
- ② Slide left to delete the network
- ① Successfully added devices and quantity

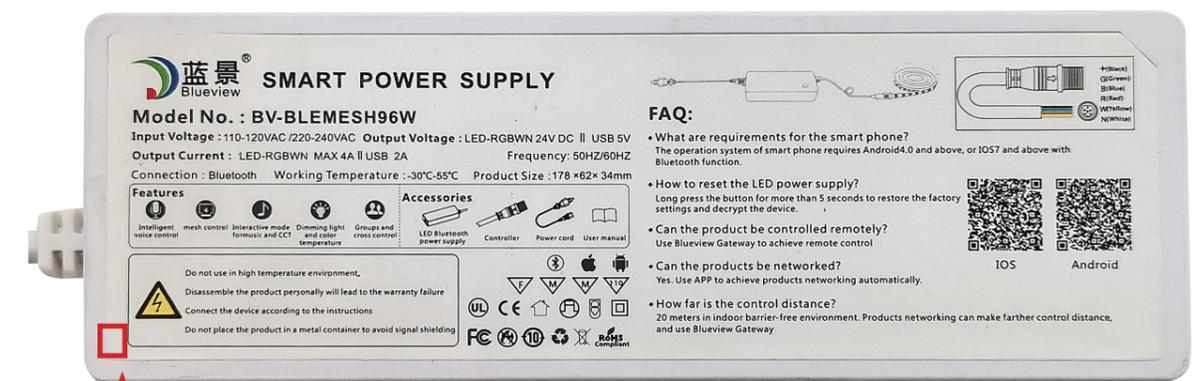
Device loss

misoperation or other abnormality causing the device to be lost or not connected, please operate as follows.



1. Restart the APP or re-switching the Bluetooth, then pull down to refresh and connect.
2. If still unconnected, please long press the reset button on the power supply over 10s to forcibly restore factory settings.
3. After restoring the factory settings, restart the device and operate as step 9. The APP will switch to the local network and connect directly to the device. If the device needs to be encrypted again, please add the device to the network you set up according to step 9.

- ① The icon means device unconnected or lost, please do the follows



Reset
Long press over 5s to reset

