Living Smart

IoT GateWay

Product Manual

Model No: SH-GWAYL40A

Rev 1.0

Jun, 2016

Table of Contents

Specifications

|	
Model Number	SH-GWAYL40A
Zigbee Protocol	Zigbee Light Link
Zigbee Wireless standards	IEEE 802.15.4
Zigbee Frequency	2.4GHZ
Zigbee Transmit Power	12dBm +/- 1 dBm
Zigbee Receiver sensitivity	-95dBm
Wifi standards	IEEE 802.11 b/g/n
Wifi Frequency	2.4GHZ
Antenna	<3dBi Internal Antenna
Wifi Transmit Power	18dBm +/- 1dBm
Operation System	Embedded Linux 3.38
Processor	MIPS 24K processor 400 MHz
Power Source	5Volts @ 1000mA
Power Consumption	Typical: 1.2 W, Max: 2.5 W
Ethernet	RJ45 10/100Base-T
USB	USB2.0 or compatible
Operating Temperature	0 to 70C
Humidity	5% to 95% TH Non-condensing
Regulatory Approvals	CE, FCC Part 15 (Class B)
Size	60 x 60 x 20mm

IoT GateWay

Product Outlook

Top View

WPS Button

IoT GateWay

Side View

Network Connector   DC Power In   System Reset
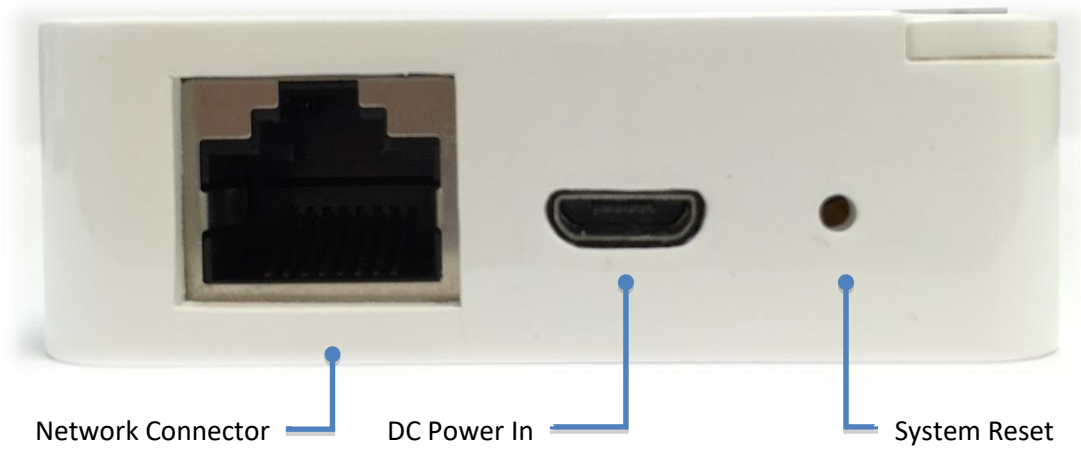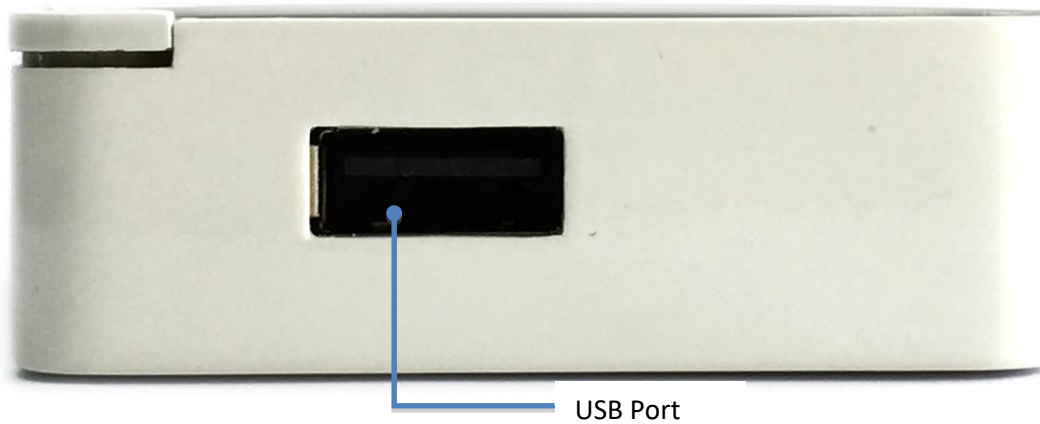
DC Power in: Use for normal USB output DC adaptor connection (USB power adaptor is not included)
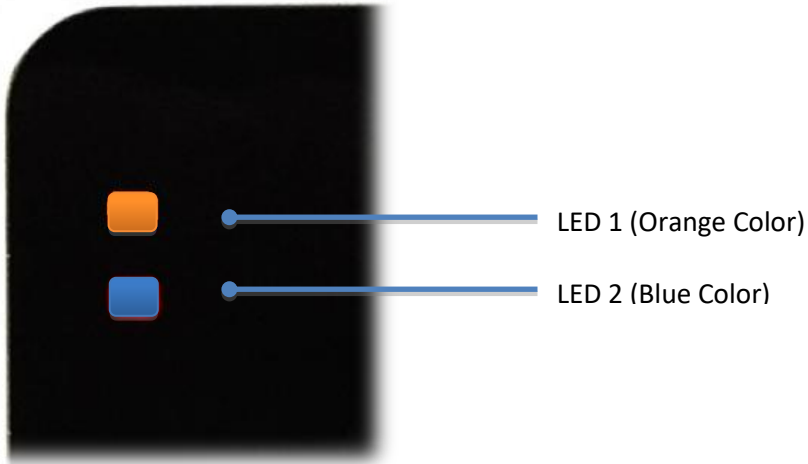
Network connector: Connect gateway to router through Network cable

USB Port

USB Port: This USB port is reserved for further firmware update usage

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LED Status

LED 1 (Orange Color)

LED 2 (Blue Color)

LED1: (Status Indicator)

Orange Color: Gateway is ready to use when this indicator become steady

LED2: (Connection Status)

Red Color: The LAN line connection is using

Blue Color: The Wi-Fi connection is using

IoT GateWay

Hardware Setup Connection – By LAN cable connection

1) Connect the gateway to your home router by using network cable.

   *The router should be possible connect to Internet

2) Plug in the mini USB power cable to gateway DC in port. (USB Power adaptor is not included)

3) Connect the USB Power cable to USB power adaptor and plug into your wall power socket. (USB Power adaptor is not included)

4) LED 1 lights up and flashing.

5) LED 2 Red color lights up and flashing slowly

6) When gateway system ready, LED 1 steady.

7) Once the smart phone joined network, you can control this gateway by using Smart Home App.

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App Manual

Rev 2.1.1

Oct, 2015

System Requirements

- Android OS
    o Android version: Version 4.0 or later
    o Resolution: 320x480, 480x800 and 640x960 are recommended

- iOS
    o iOS Version 7.1 or later

Before using this App, please setup the Li Seng Smart Home Gateway first.

To know more about system setup, please refer to Li Seng Living Smart Gateway user manual, and follow the instruction to setup the gateway and Wi-Fi router.

** Please consult your system administrator for your own router configuration in need.

Software setup

1. Download the Live Smart App from App store
2. Execute the App with below Main Screen
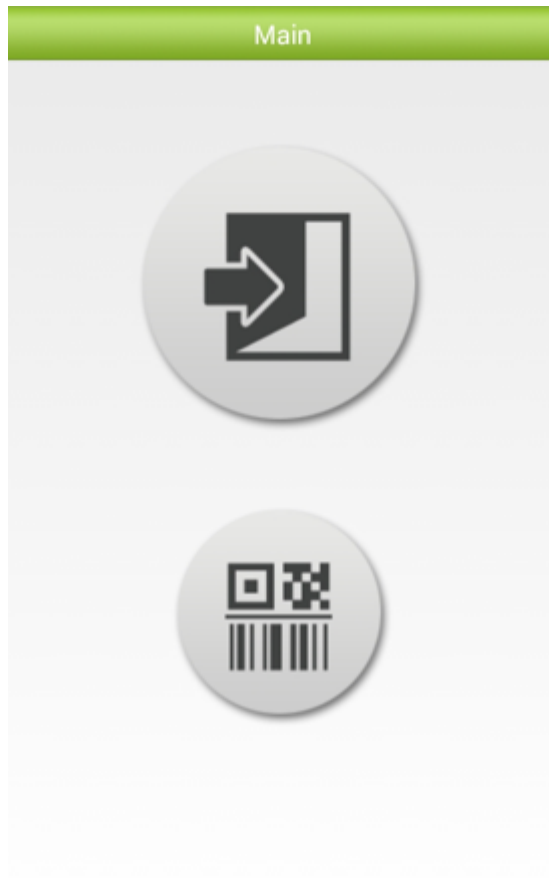
  Log into Gateway

  Setup a new gateway

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2.1. To setup a new Gateway, press button ⬚, barcode scanner shows up for pairing the device.
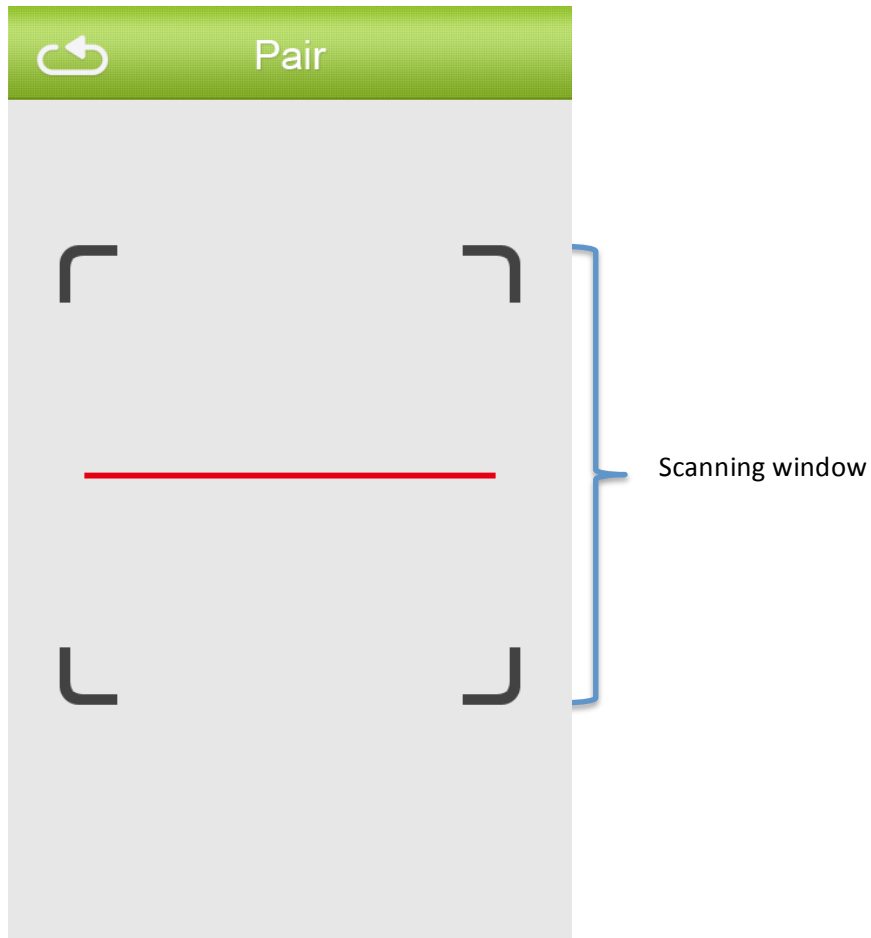
Scanning window

Pointing your mobile phone to capture the barcode, which show on the bottom of the gateway.

The barcode image should within the scanning windows shows above.
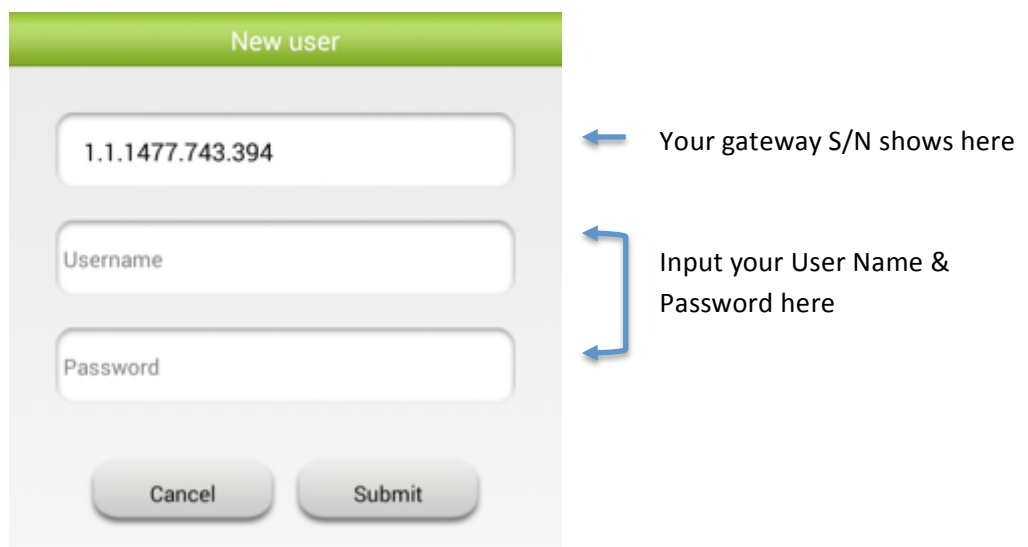
Once success capture the barcode image, "Beep" sound heard and switch to user information fill up.

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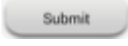
2.1.1. After 2D code reads, choose login into gateway or registration

 To direct login into gateway (refer to CH2.2)

 To registration 2D code scanned gateway
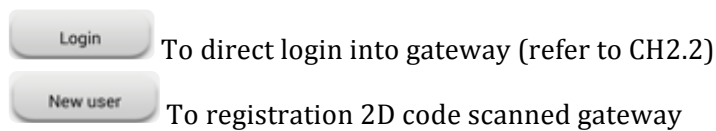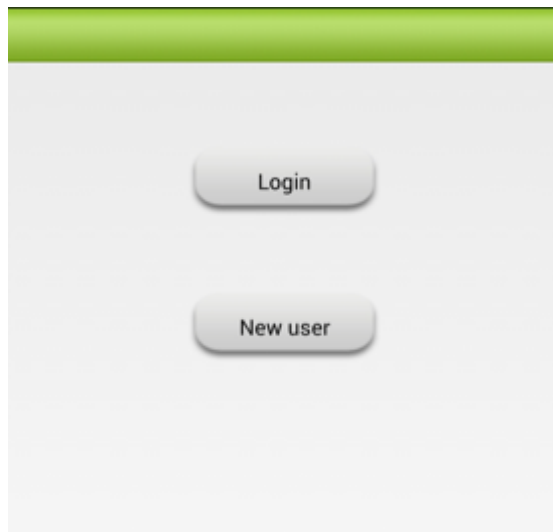
2.1.2. New user Registration

User information fills up for registration of A/C create

Your gateway S/N shows here

Input your User Name & Password here

Press to finish the set up and log into gateway.
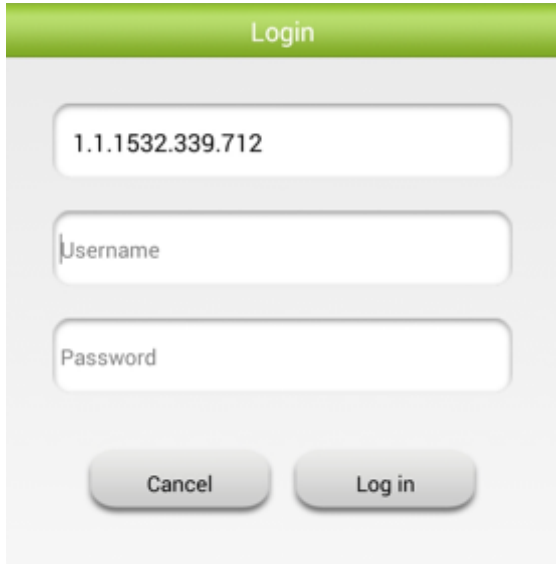
*The first registration will be administrator, who can manage the other user account, including removal or password change

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New user

1.1.1477.743.394

1.1.1532.339.712
1.1.1505.29.553
1.1.1477.743.394
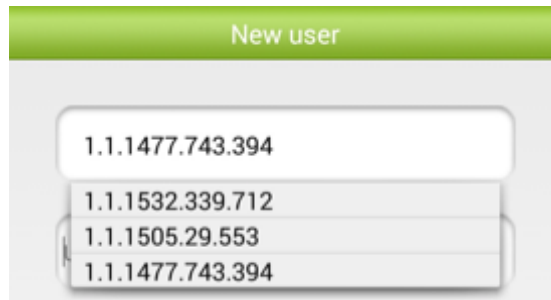
Press the Gateway S/N field for more than 1 gateway was be scanned.
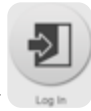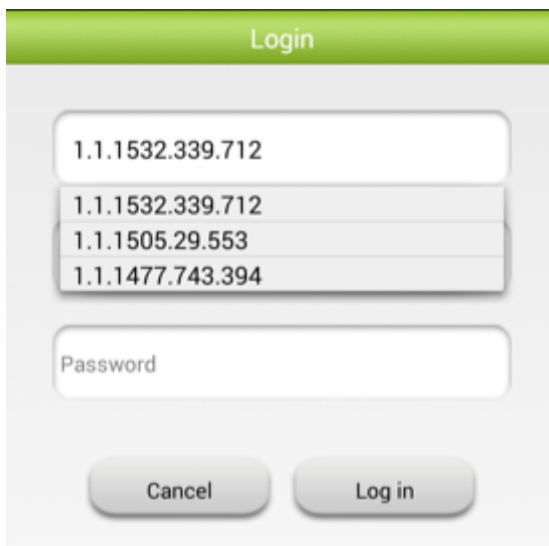
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2.2. Log into gateway

Paired gateway S/N

Input the registered user name and password in corresponding field.

Press Log in to get into gateway controls.

Press the Gateway S/N field for more than 1 gateway was be set.

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1. **Gateway Cotrol Screen**

 ← Control Title

← Control Screen

← Control Items
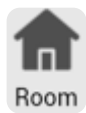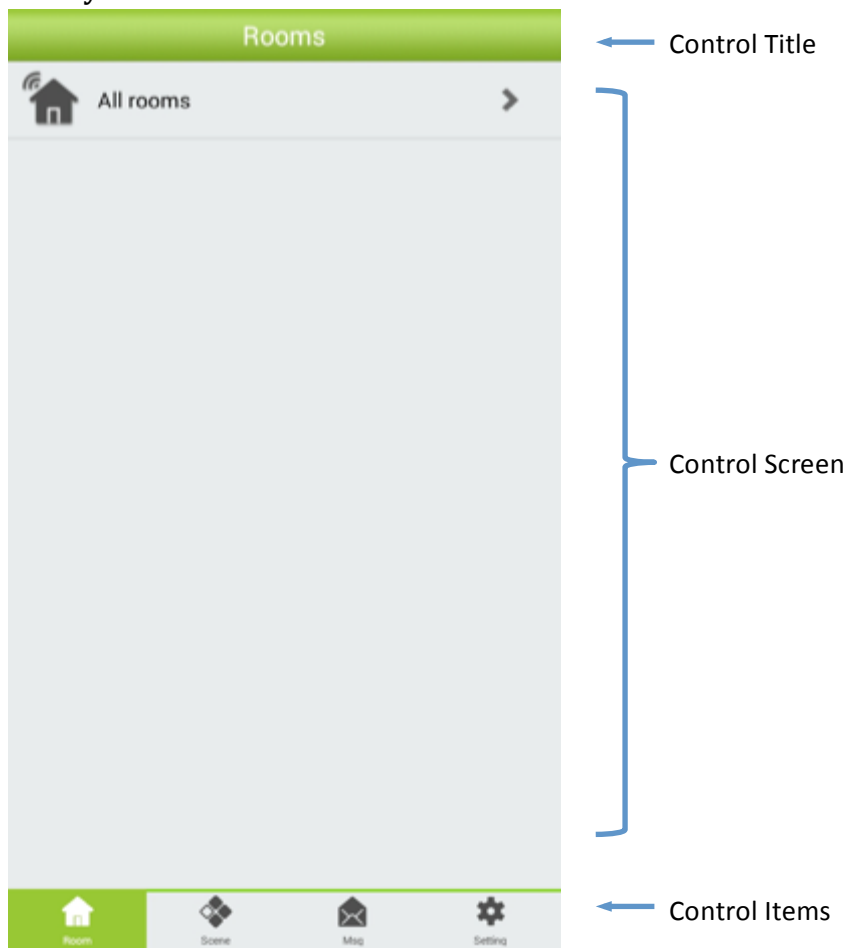
 Devices controls belong to different preset Rooms

 Devices control belong to difference preset Scenes

 Feature is coming...

 Setting up the Devices, Scenes & Controls.

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2. Room (Devices Controls)

Default Room for all devices, this Room cannot be change

User created Room List
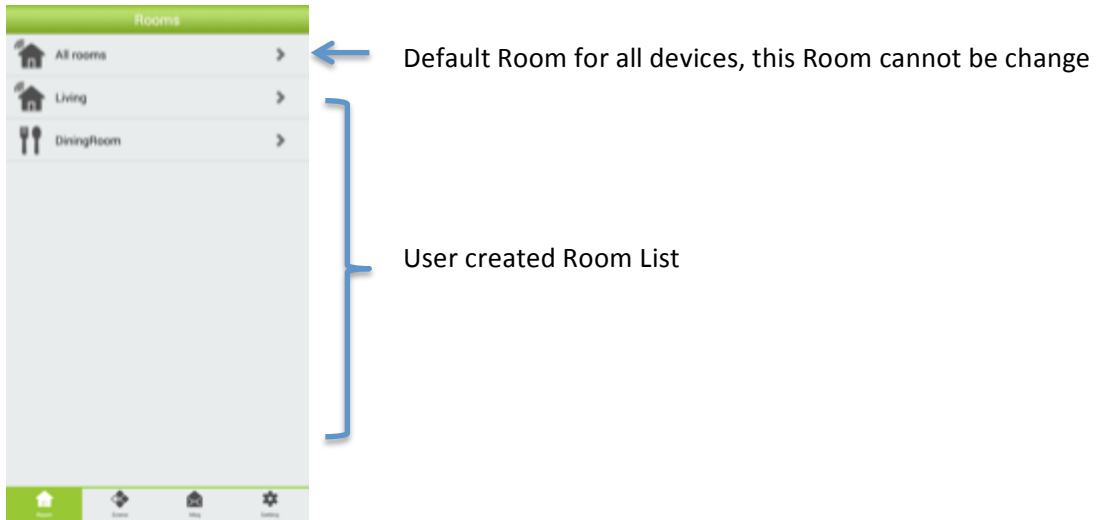
Devices can be control in below ways: (please refer setting page for Room and Group setting)

I.   Devices are being view and control by category and grouping automatically.
II.   Devices are being view by different Room assigned.

"Switch" devices being selected

Control individually   Control by grouping (preset in Device Group Management)
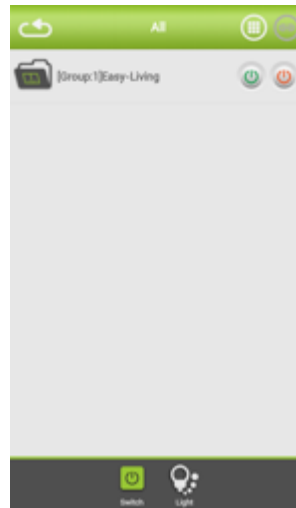
Control devices by individually   Control devices by Grouped

In Group control, only device ON and device OFF are available, regardless the device type.

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"Light" devices being selected.
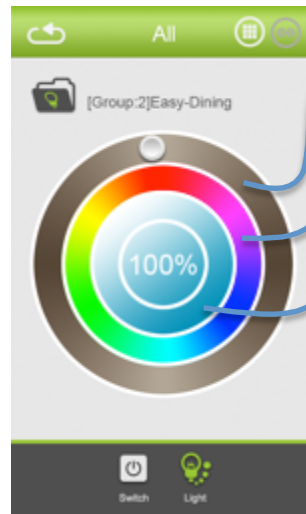
RGB Color Light

Brightness

Color

Saturation

Control individually

 Control devices by individually

Control by grouping (preset in Device Group Management)

 Control devices by Grouped

In Group control, device ON, OFF, Light (Brightness) and Color (RGB Color) & Saturation (Color darkness) are provided, regardless the device type.

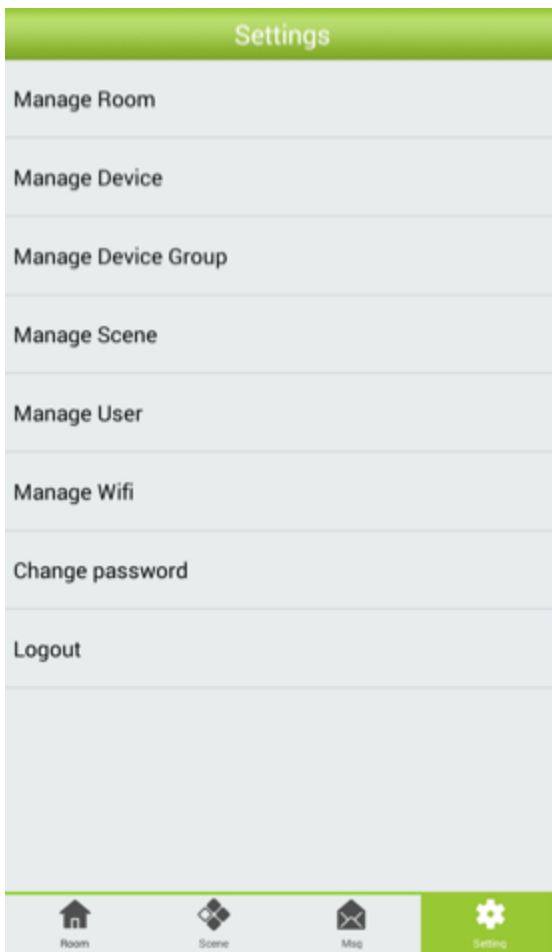If devices are grouped into more than 1 group, scrolling for groups selection.
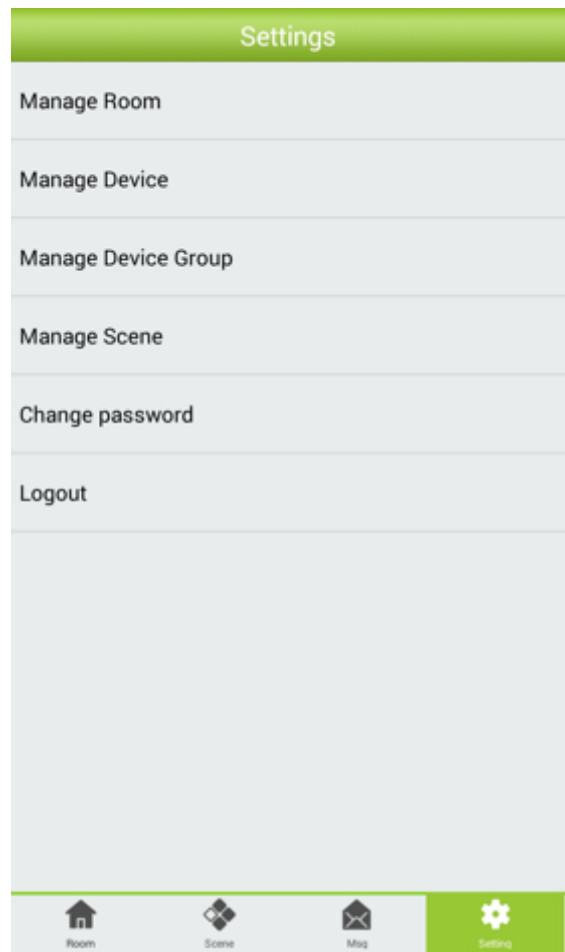

Single Color Light

Brightness

Dual Color Light

Brightness

Color Temp.

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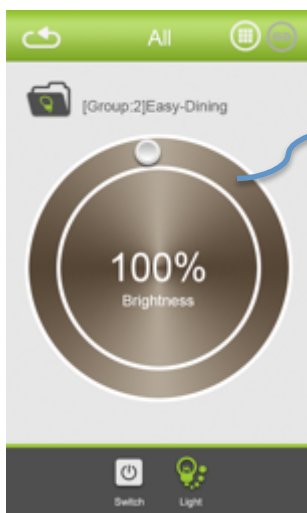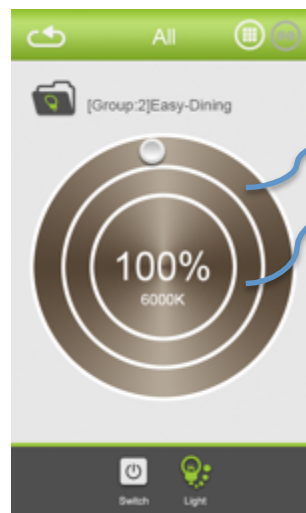
3. **Setting**

Setting screen for Administrator   Setting screen for Users

*Only Administrator has authority to removal Users account or Password changes.

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3.1. Manage Room

  Press to create a new Room, input the Room name and select an icon to represent.

  Press to save the setting.

  Press to delete a created Room.
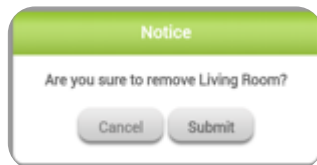
  Message prompt out for confirmation. Cancel for aboard, Submit for confirm.

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3.2. Manage Device

Device that joined into gateway will show up here, press the device to give a Name and assign to which Room, devices are automatically categorized.

 Icon for Category Switch devices

 Icon for Category Light devices
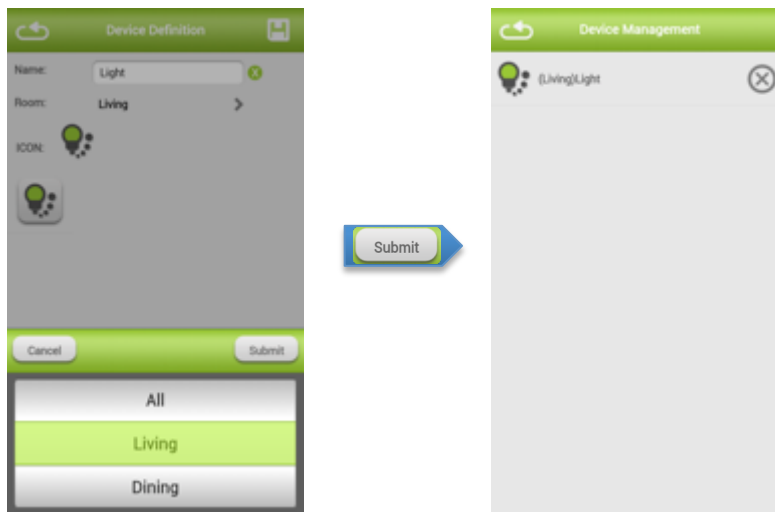
1. Give a Name for this deice
2. Assign the Room for this device belongs to. (Refer to Room Management for Room creation)
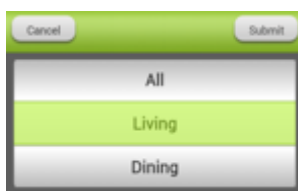
3. Save the setting by

 Delete a Device.
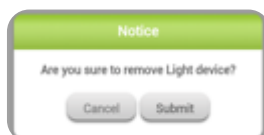
 Message prompt out for confirmation.
Cancel for aboard, Submit for confirm.

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3.3. Manage Device Group
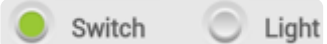
Gather the devices into group to be control at once, every device in same parameter.

I. Create a new Group

II. Fill in the group information:

      a. Number: From 1 ~ 100.

      b. Name: Assign a name to this group. (Must be Chinese, English, Alphabet, underscore or hyphen.

III. Assign the category of this group, Switch or Light
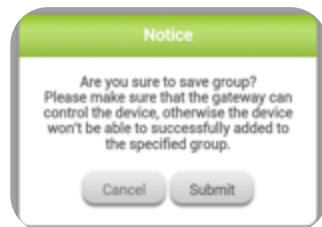
IV. Select which Room's device for this group to control,

  For confirm the selection

V. Devices to be control by this group, click the device to join.

VI. Save the setting

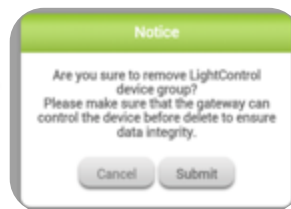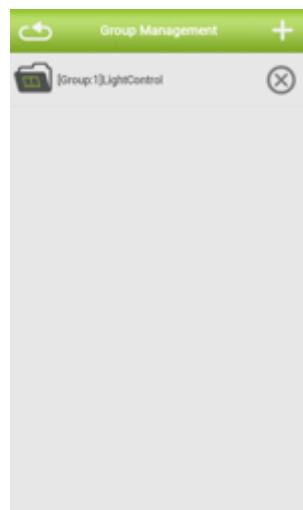Living Smart Gateway

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 Press to save the setting, message prompt out for reminding.

Make sure the gateway can control the devices.

Press to confirm the saving process.

Delete a control Group.

 Delete a Group, prompt up message for confirmation.
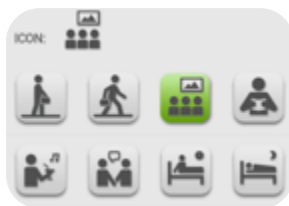
Submit: Confirm the deletion

Cancel: Aboard the deletion

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3.4. Manage Scene

For device(s) control in sets with individual parameters

Given name for Scene created

Given Icon for Scene created

Basic information about this Scene

Choose deices be controlled by this Scene

Set up the schedule controls for this Scene for automat execute
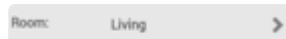
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Choose deices be controlled by this Scene

 To execute the Scene before setting save
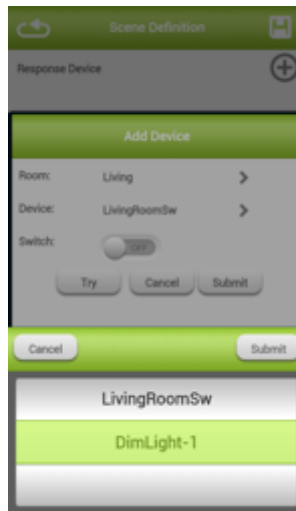
 To aboard the Scene setup

 To save the Scene

 Choose Room to be Scene control

Press to confirm the selection.

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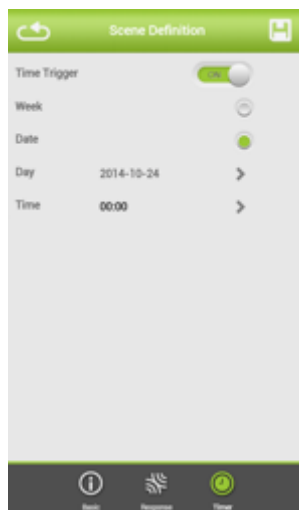
 Choose Devices to be Scene control belong to Room selected above

Press to confirm the selection.

Set up the schedule controls for this Scene for automat execute

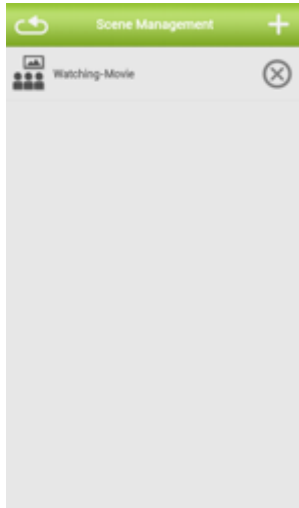Scene Trigger by

Week & specified Time

Scene Trigger by

Day & specified Time

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Press to save the setting, message prompt out for reminding.

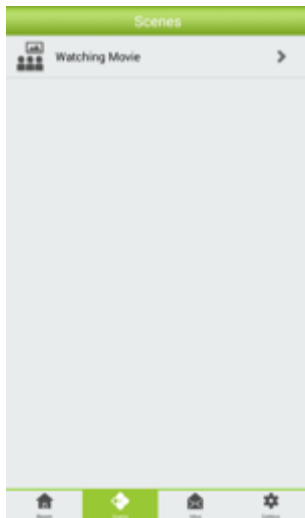Make sure the gateway can control the devices.

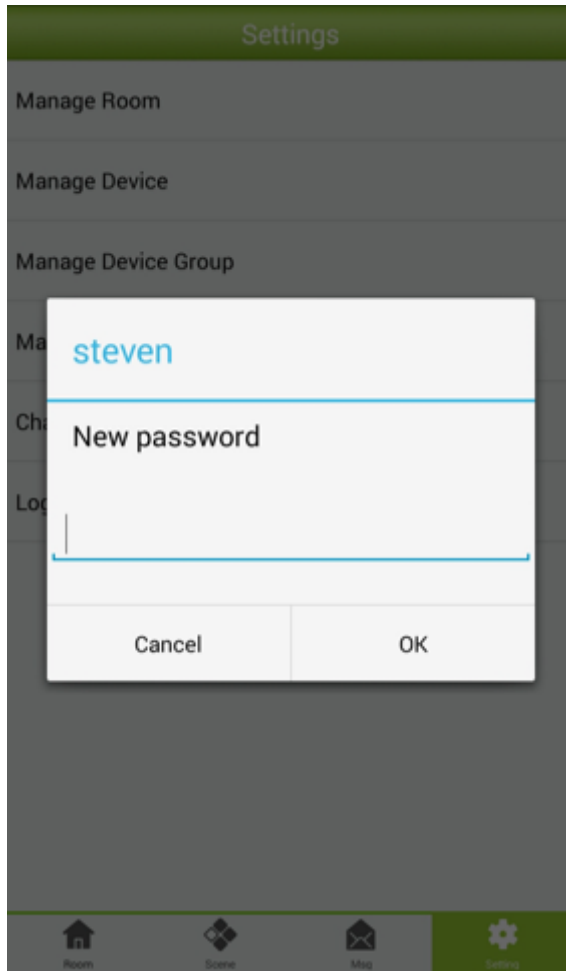Press Submit to confirm the saving process.

Scene created.

Delete the scene, prompt up message for confirmation.

To execute the Scene:

Tap on the List

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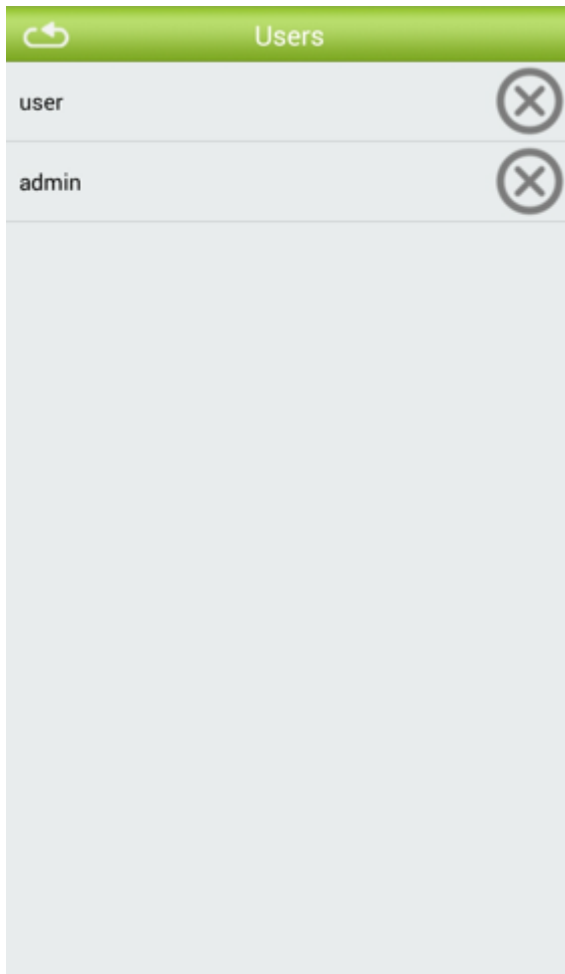
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3.5. Change Password

Current user show up here

Input your new Password

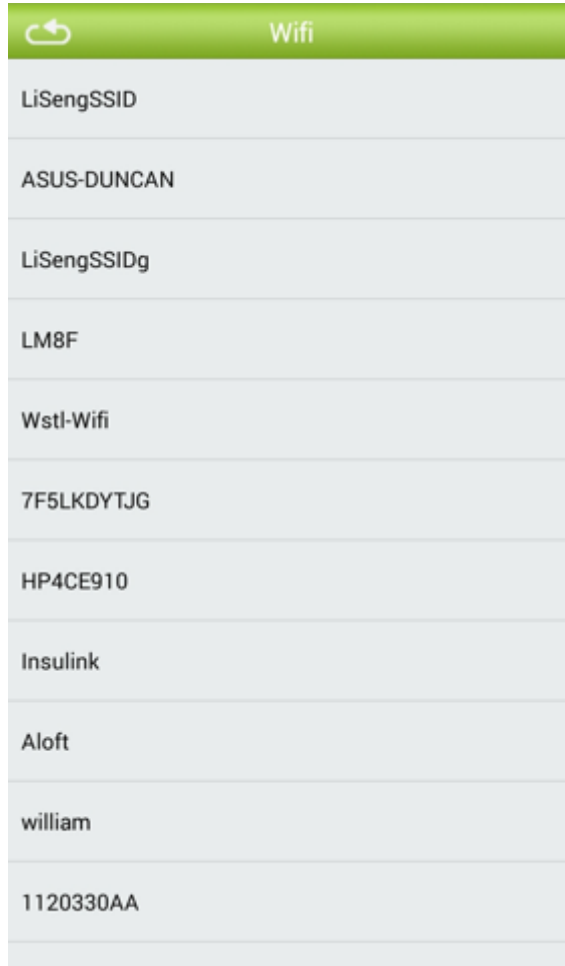After fill up the new password, press the "OK" for information update.

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3.6. Manage User

All the users are registered with current gateway show up.

 For remove the user, who will be no more control on this gateway.
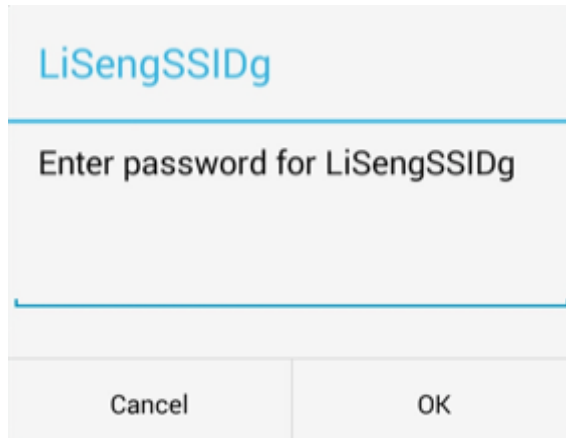
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3.7. Manage Wi-Fi

Set up the gateway connection between the home router through the Wi-Fi connection.

Available Wi-Fi networks are searched and show on screen for selection.

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Select the home Wi-Fi network and cause prompt up screen for Password input

After Password input, tap OK for confirmation and establish the Wi-Fi connection.

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