



WI-FI SMART PLUG Complete User Manual

For SP4M and SP4L series

Hangzhou BroadLink Technology Co., Ltd.

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I. Introduction

1.1. Overview

BroadLink smart plug lets you voice control your light, fan, coffee makers, air humidifier and more. All you need is an Alexa or Google assistant enabled device like Echo, Google home, or even just the Alexa / Google home app on your phone. And with multiple BroadLink Smart Plugs, you can build your own smart life, remote control and set schedules for multiple outlets from anywhere in the world.

With built-in super-easy setup with BroadLink's advanced technology "NoAPP", the 4th gen of smart plug provides fast and reliable Wi-Fi connection without any initial setup issues. You do not need to download and register third party APP, keep everything within Alexa or Google home.

1.2. Main Features

- Works with Alexa and Google assistant to add voice control to any outlet. Works with IFTTT for advance home automation.
- No smart home hub and 3rd Party APP required, set up routines and schedules through the Alexa app.
- Max working time feature limit your appliance only works for certain period.
- Supports up to 15 amp for high power appliances. Compatible with apple iPhone and Android phones.

1.3. Specifications

Product Name	Smart Plug		
Model	SP4M-US	SP4L-US	SP4L-AU
Standard	US	US	AU
Dimensions (mm)	74.4 x 42 x 52.1	80 x 45.1 x 53.5	80 x 45.1 x 63.3
Power Supply	AC 120V	AC 120V	AC 100-250V
Max Load	10A (1200W)	15A (1800W)	10A (2500W)
Night Light	N/A	Yes (Dimmable)	Yes (Dimmable)
Working Conditions	Temperature: 0-40°C, Humidity: ≤80%		
Physical Control	1x Power button		
LED Indication	1x LED indicator		
Connectivity	802.11 Wi-Fi 2.4GHz / 802.11 FasCon (Master & Client) 2.4GHz		
Supported Masters	Smart Plugs SP4M-US, SP4L-US, SP4L-AU, SP4L-EU, SP4L-UK		
Comm. Range	50m (line-of-sight) / 30m (office environment) / 10m (through wall)		
Supported OS	iOS 9.0/Android 4.1 and above		
Accessories	Screws, LED protector (capacitor)		

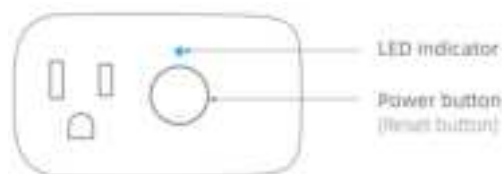
1.4. What's Included in Package

- Smart Plug
- Quick Setup Guide
- Product Manual

1.5. Important Notices

- This device is design for indoor use in dry environment only.
- DO NOT connect to appliances before the device is added in App.

1.6. Indications



LED Indications

Status	Indication
Flashes quickly (5times / sec)	Device is in Smart Setup mode (waiting to be added)
Flashes intermittently	Device is in AP (NoAPP) Setup mode (waiting to be added)
Flashes slowly then off	Device is being set up and added to network
Flashes slowly continuously	Device is failed to connect to network or disconnected from network
ON/OFF	Device is switched on/off

Reset for AP (NoAPP) Setup

When the device is in any conditions, press and hold the power (reset) button for 5s until the LED indicator flashes intermittently.

DO NOT hold longer than 10s, otherwise it will go to Smart Setup mode

Reset for Smart Setup

When the device is in any conditions, press and hold the power (reset) button for 10s until the LED indicator flashes quickly.

II. NoAPP Setup

2.1. Overview

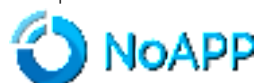
NoAPP technology helps you to set up devices without any third-party apps. You can just control your smart home devices in Alexa / Google Home App or by voice with their speakers.

With NoAPP, you will experience these benefits:

	3 rd -Party App	NoAPP
App Requirement	Requires downloading an app. Your phone might have many apps installed.	No need to download any apps. Keep your phone clean.
Setup Success	Long process and you have a certain possibility to fail during setup (especially in Smart Setup mode)	Quick process with online notification by email. Almost 100% success rate.
User Privacy	Requires both necessary information such as Wi-Fi password and email and unexpected permissions such as location, audio recording, WLAN multicasting...	Only requires necessary information of Wi-Fi password and email.
App Issues	The app may crash, stop, or not professionally designed.	No 3 rd -party app, no issues at all. Most people trust Alexa and Google Home app.

2.2. Supported Devices

If you find the badge below on device packaging, that means your device is designed for NoAPP setup.



2.3. What's Required?

Make sure these are ready before setup:

- A smartphone or tablet running iOS 9.0 / Android™ 4.1 or higher
- A 2.4GHz Wi-Fi network with Internet connection
- Power on the device and make sure the LED indicator or bulb is flashing intermittently



2.4. Find Your Settings



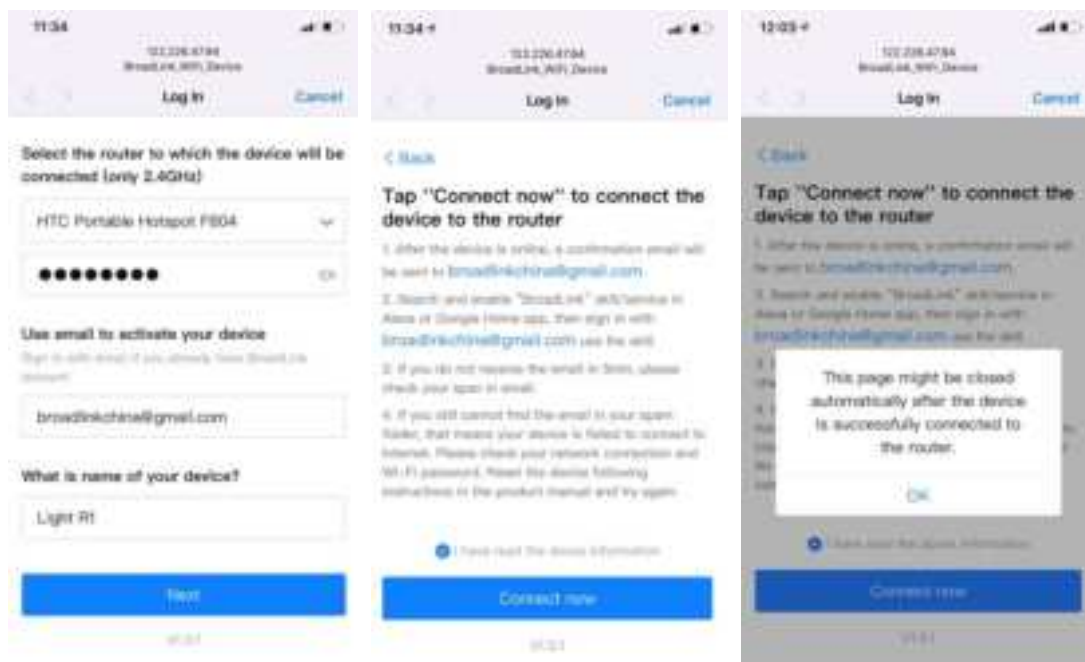
- Open your phone's settings and select WLAN
- In your smartphone's Wi-Fi settings, connect to "BroadLink_WiFi_Device" wireless network and wait for network connection.

NOTE:

If you cannot find the device Wi-Fi network, please disable, and enable WLAN to try again.

When you connect to the device Wi-Fi network, your phone may pop up message such as "This WLAN network has no Internet access. Connect anyway?" Please choose "CONNECT".

2.5. Connect Device



- A landing page will automatically pop up on your smartphone.
- In the landing page, select your home Wi-Fi name and input its password.
- Input your email as an account name and name the device for voice control.
- Proceed and tap "Connect now" in next page to complete network setup.

NOTE:

The email will be used to enable BroadLink skill in Alexa / Google Home app.

If you are already a BroadLink user and have a BroadLink account, please use the same email as you used in BroadLink app before.

For iPhone/iPad, the landing page will be automatically closed after connection while for some Android phones the page could stay there, and you may need to manually return to home page.

2.6. Check Online Status



- The LED indicator will be flashing slower and then always on (bulb) or flashing slower and then off (other products), showing the device has been connected to Wi-Fi network
- You will receive a confirmation email after the device is online.

NOTE:

You may need to log in to webpage of email service provider and check your spam if you did not receive the notification in 5min. Sometimes there might be delay for email client to get new emails.

III. Add & Control Device in Alexa

3.1. Prepare Alexa App



Search “Alexa” in Google Play or App Store and download the app.

Open Alexa app and sign in the app or create a new Amazon account.

NOTE:

Echo speaker is not required if you just want to control the device in Alexa app or use voice control over phone in Alexa app.

3.2. Link Account



Tap the main menu on the top left corner and choose “Skills & Games”.



Tap search icon on the top and search "BroadLink".

Choose the skill named "BroadLink". DO NOT use the legacy skill below as has limited support on products.



Enable the skill and you will be redirected to an account linking page.

On the account linking page, you need to confirm your location before proceeding.

If you made wrong choice here, you could tap the server location under "BroadLink" logo to make the selection again.

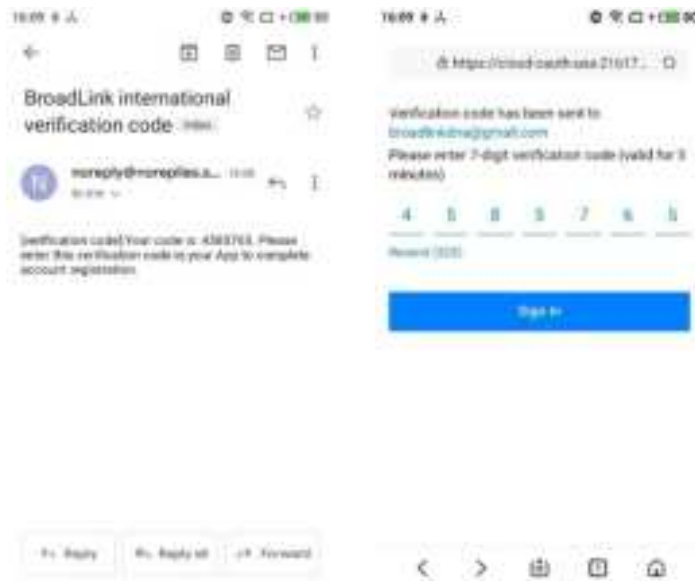


If you did not set up your BroadLink account (email used in NoAPP setup) with password in BroadLink app, please choose "NoAPP" option to proceed.

For BroadLink existing app users, you can choose either "BroadLink Account" or "NoAPP" to sign in.

(For NoAPP sign-in)
Input the same email as you used in pop-up landing page

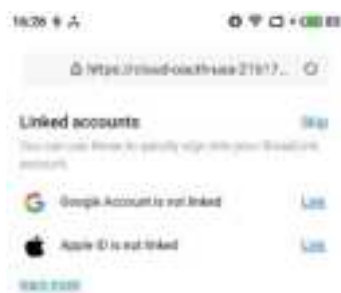
and tap “Next”.



You will receive an email with a 7-digit verification code.

Input the code and tap “Sign in” to complete account linking.

3.3. Link with Google Account / Apple ID (Optional)



You will be taken to the next page to link your BroadLink account with Google Account or Apple ID. This feature enables you quick sign-in to Alexa / Google skill by Google / Apple authentications on phone (such as fingerprint and facial recognition) without entering BroadLink credentials. It is highly recommended to link your BroadLink account with your familiar ID on phone for better user experience.

You can tap “skip” to skip this step.

If you want to link your account again, you can do it again by either way:

- Disable skill and enable again to come back to this page.
- In BroadLink app, go to “Me” and tap your account on the top. Then tap “Linked accounts”.



When you tap “Link”, you will be redirected to Google / Apple authentication page. Depending on the phone you are using and the unlocking setting on phone, you might be asked to:

- Scan your face (Face ID), or
- Authenticate fingerprint (Touch ID), or
- Input account and password

After your Google Account / Apple ID is linked, tap “Finish” to complete.

3.4. Discover Device

ATTENTION:

The page may vary on different phones to complete the process.

- For all iPhones and most of Android phones, the account linking is done in Alexa built-in pages. When you complete the process, you will see a button "Done" on the top left. You can tap this button to proceed.
- On some Android phones, due to system restrictions, when you start to link account, Alexa is unable to take the journey inside the app but launch the system browser for you. Under this circumstance, when you finish the process, the "Done" button will not be shown on the page. You can just switch to Alexa app to continue next step.



For iPhones or most of Android phones



For some Android phones




Tap “DISCOVER DEVICES” button, Alexa will look for devices under BroadLink account and show the result later.

Then tap “SET UP DEVICE” to proceed.

If you have more than 1 device discovered, the button will be changed to “CHOOSE DEVICE” and you need to tap this button and set up them one by one.

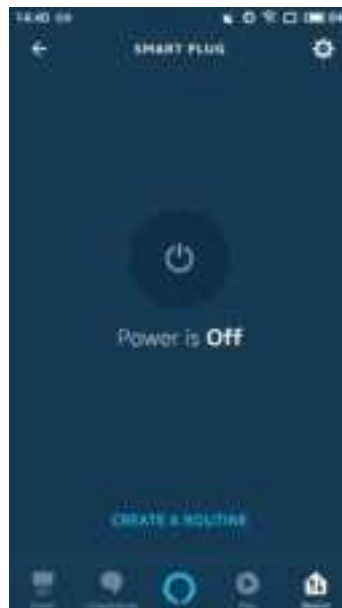
NOTE:

If you accidentally canceled device discovery, you could also tap the Alexa icon  on the center bottom and say: “Discover devices” to trigger the process again.

After the device is set up in Alexa, you can go to device group “Plugs” or “All Devices” and find the device with the name you input during setup. The newly added devices will have a red dot mark in front of device name, which helps you easier to locate the device.



3.5. Control Device Manually in Alexa



Find the device from group or “All Devices” and tap to enter the device control page.

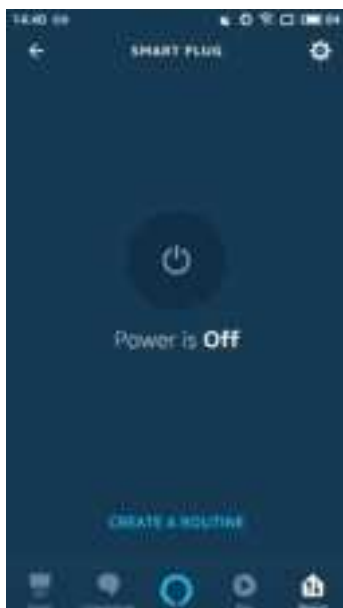
You can tap the ON/OFF button turn on/off the plug.




You can tap the “Settings” button on the top right and rename the device, change type, or disable it.

If you changed the type of device, the device will be moved to another group.

3.6. Control Device by Voice in Alexa App



Tap the Alexa icon  on the center bottom and you can say voice command to your phone.

NOTE:

For near-field voice control over phone, you need to speak near your phone's mic, and you don't need to say the wake-up word "Alexa".

The smart plug supports the following utterances:

SP4M-US

ex. Socket name is "Smart Plug"

"Turn on smart plug"

"Turn off smart plug"

SP4L series

ex. Socket name is "Smart Plug" and night light name is "Night Light"

"Turn on smart plug"

"Turn off smart plug"

"Turn on night light"

"Turn off night light"

"Dim night light"

"Brighten night light"

"Dim night light to 20%"

"Brighten night light to 80%"

3.7. Control Device by Voice with Echo Speaker

If you have Echo speaker (ex. Echo Dot, Echo Show) added in your network, you can also say to the speaker to control device with far-field voice recognition.

For the setup of Echo speakers, please refer to guide in Alexa app or consult with Amazon customer service.

NOTE:

When you say to Echo speaker, you need to add wake-up word before command. For instance:

"Alexa, turn on smart plug"

IV. Add & Control Device in Google Home

4.1. Prepare Google Home App



Search "Google Home" in Google Play or App Store and download the app.

Open Google Home app and sign in the app or create a new Google account.

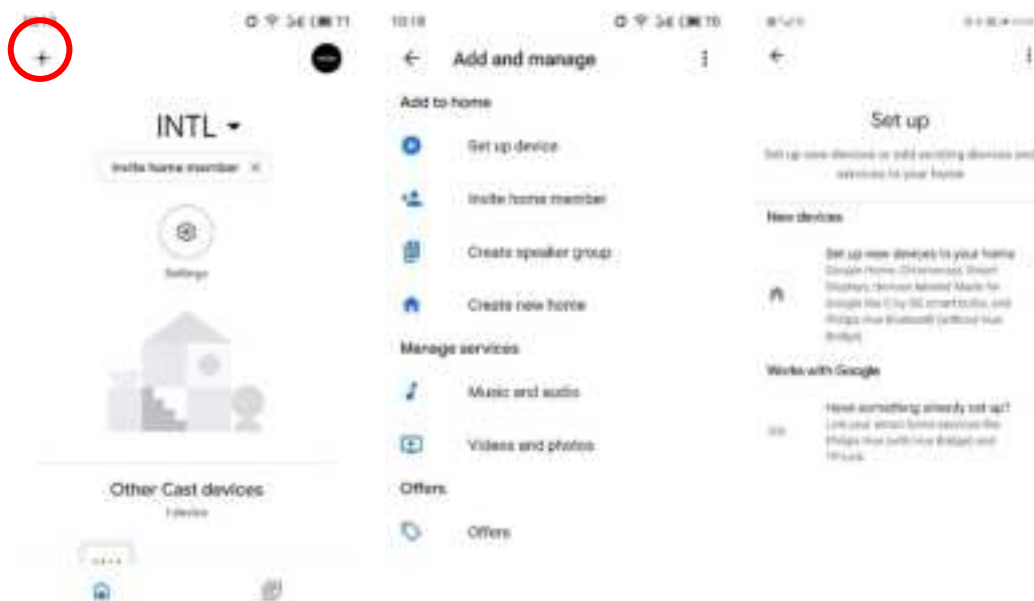
If you have signed in with your Google account before, the app will automatically sign in for you.

NOTE:

Google Home or Nest speaker is not required if you just want to control the device in Google Home app or use voice control over phone in Google Home app.

4.2. Link Account

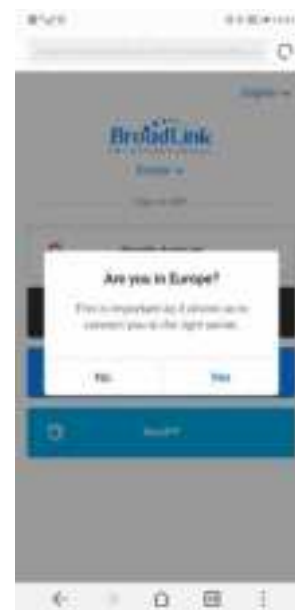
Tap the main menu on the top left corner and choose "Set up device" > "Works with Google".



In "Manage accounts" page, tap the search button on the top right, then find and choose "BroadLink" service.

On the account linking page, you need to confirm your location before proceeding.

If you made wrong choice here, you could tap the server location under "BroadLink" logo to make the selection again.



If you did not set up your BroadLink account (email used in NoAPP setup) with password in BroadLink app, please choose "NoAPP" option to proceed.

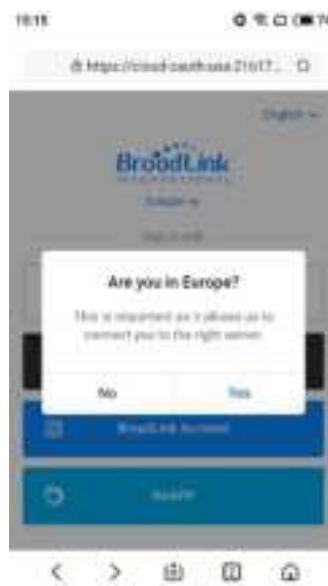
For BroadLink existing app users, you can choose either "BroadLink Account" or "NoAPP" to sign in.

(For NoAPP sign-in)
Input the same email as you used in pop-up landing page and tap "Next".



You will receive an email with a 7-digit verification code.

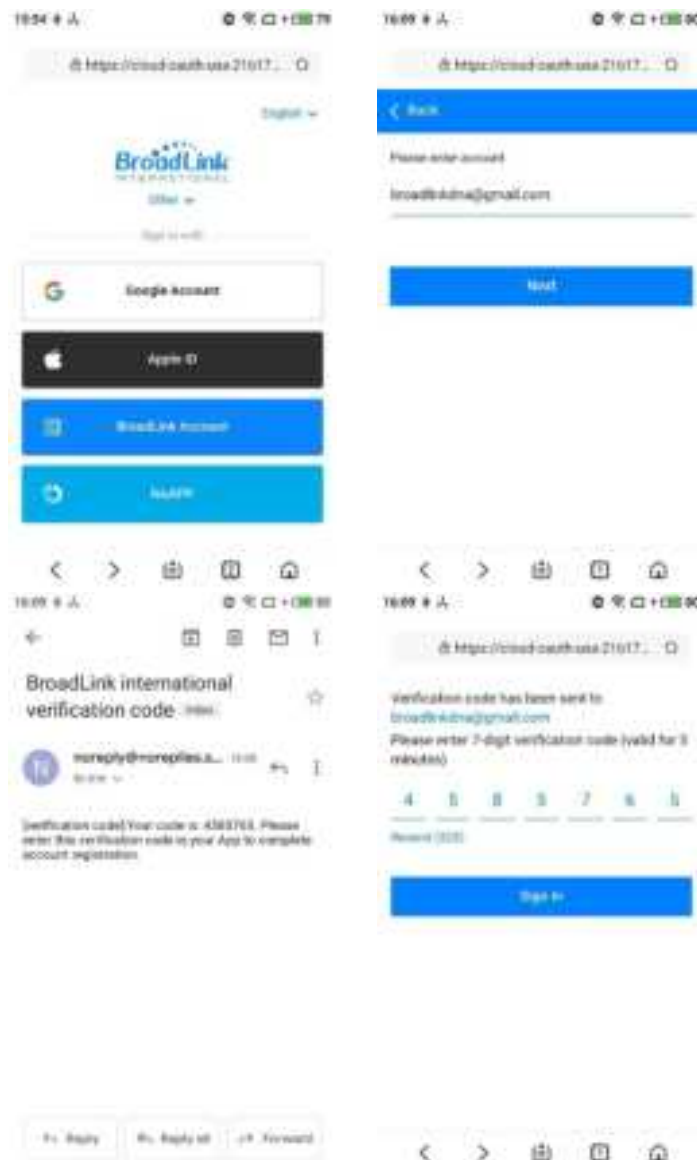
Input the code and tap "Sign in" to complete account linking.



Enable the skill and you will be redirected to an account linking page.

On the account linking page, you need to confirm your location before proceeding.

If you made wrong choice here, you could tap the server location under "BroadLink" logo to make the selection again.



For first device set up with NoAPP, please choose “NoAPP” option to proceed.

Input the same email as you used in pop-up landing page and tap “Next”.

You will receive an email with a 7-digit verification code.

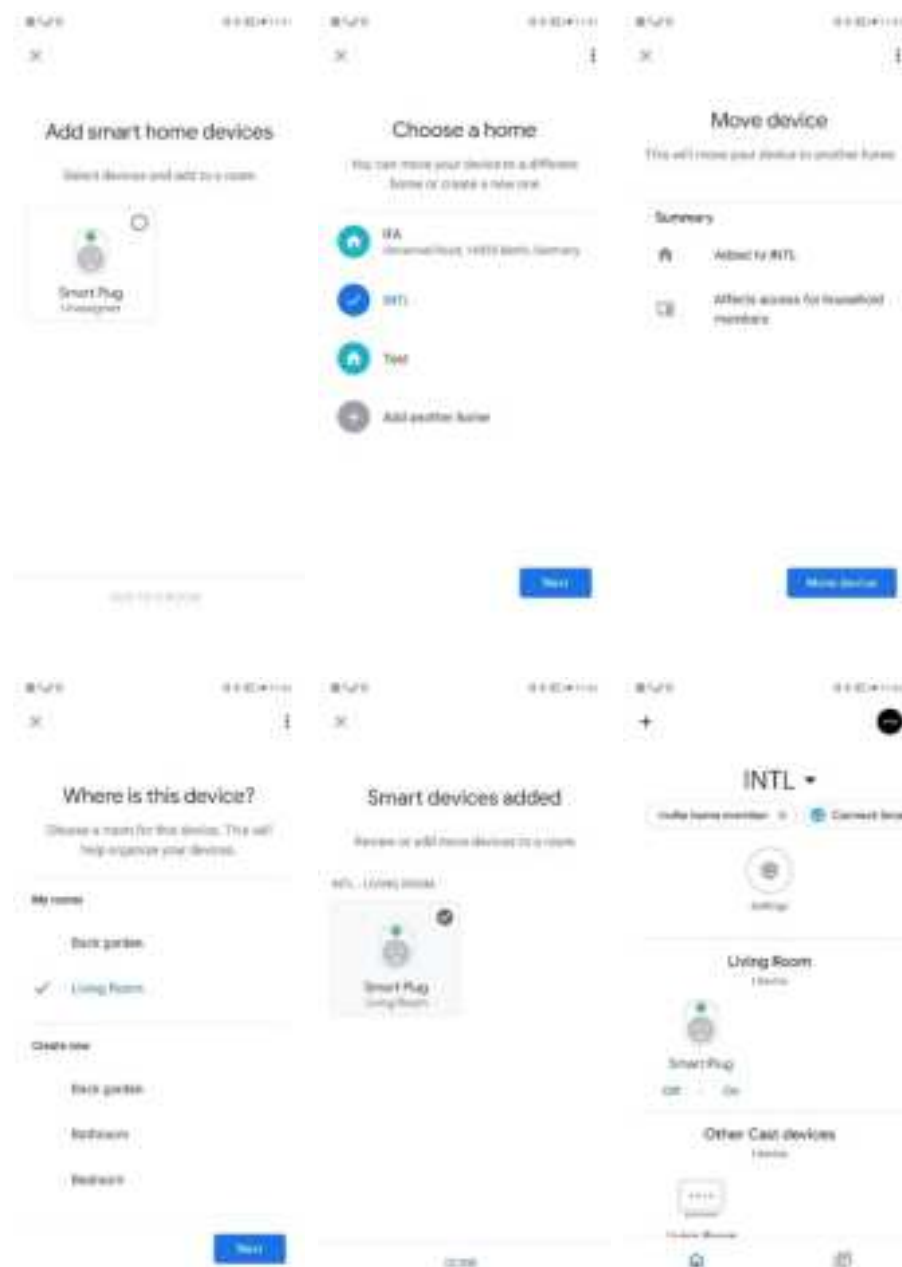
Input the code and tap “Sign in” to complete account linking.

4.3. Link with Google Account / Apple ID (Optional)

Same as 3.3

4.4. Discover Device

After you complete 4.3, Google Home will automatically discover devices and show new devices found. You can choose the device and assign a room for it.



NOTE:

If you skip adding device to room, you can still control it individually but group control in a room will be not available.

4.5. Control Device Manually in Google Home



Tap the device icon to enter the control page for manual control.

You can tap the settings icon to enter device settings page. In this page, you can rename the device, change the home/room for the device and unlink the service.

4.6. Control Device by Voice with Google Speaker

If you have Google speaker (ex. Google Home mini or Nest Hub) added in your network, you can also say to the speaker to control device with far-field voice recognition.

For the setup of Google speakers, please refer to guide in Google Home app or consult with Google customer service.

NOTE:

When you say to Google speaker, you need to add wake-up word before command. For instance:

"Hey Google, turn on smart plug", or

"OK Google, turn off smart plug"

V. Control Device in BroadLink App

5.1. Why BroadLink App

Although NoAPP + Alexa or Google Home offered users a super easy way to get their device connected and simply controlled with familiar and trusted app, we recommend you to try BroadLink app with extra features, such as:

- Easier Routine and notification settings
- Flexible timers (scheduled / delay / cycled / random)
- Max working hours

5.2. What's Required

- A smartphone or tablet running iOS 9.0 / Android 4.1 or higher.
- Internet access on phone

NOTE:

If you already have the App installed and signed in, please skip step 2.2 – 2.4.

5.3. Download and Install App

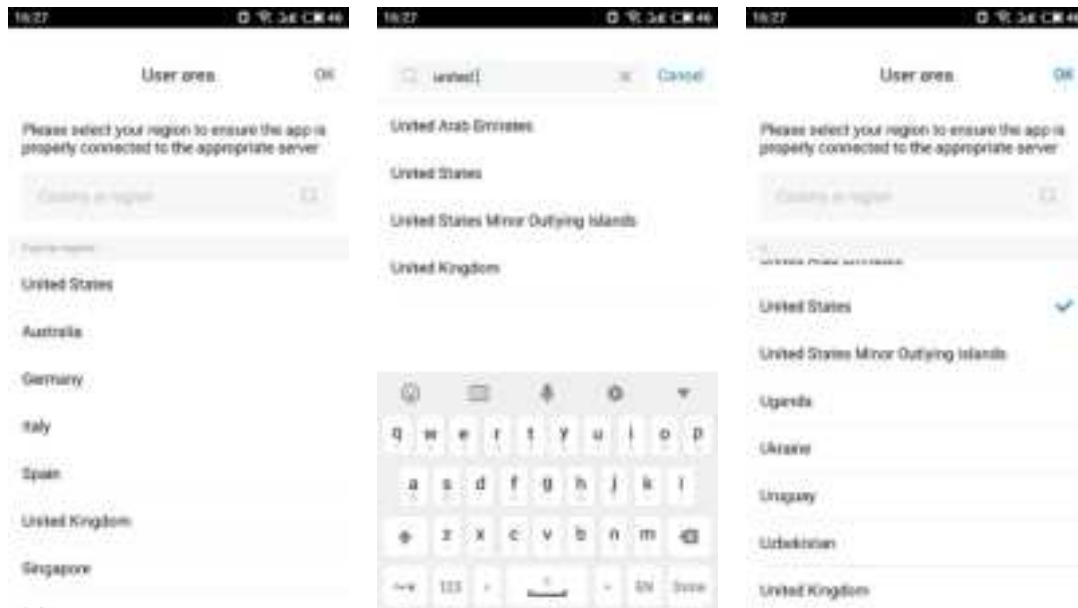
Download the latest "BroadLink" APP from App Store or Google Play by searching "broadlink" and install it on your smartphone or tablet.



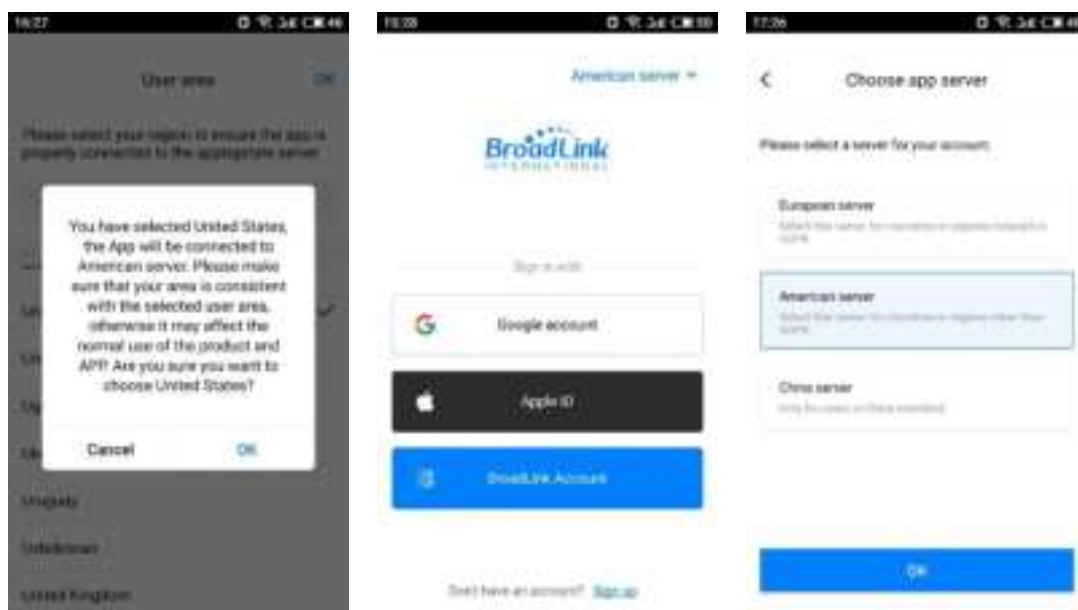
We appreciate if you can rate us a 5-star and share your joy in review.

5.4. Sign in App

Open BroadLink App. For first time use, you need to select your country/region before signing up. You can scroll up and down to locate your country or search the keywords.



The App will automatically choose the appropriate server for you. You can also change the server on top right corner during sign-in if it is necessary.



NOTE:

If you already have an account on one server, you will be unable to create same account on another server.

If you signed in with account from our legacy app ihc, you may have same account on different servers. Please sign in to the server not in your region and delete the account.

Under most of circumstances, you do not need to manually choose the server. If you insist to change a server, please check the following definitions of each server before changing:

On login option page, choose "BroadLink Account" and tap "Sign in via verification code". Then

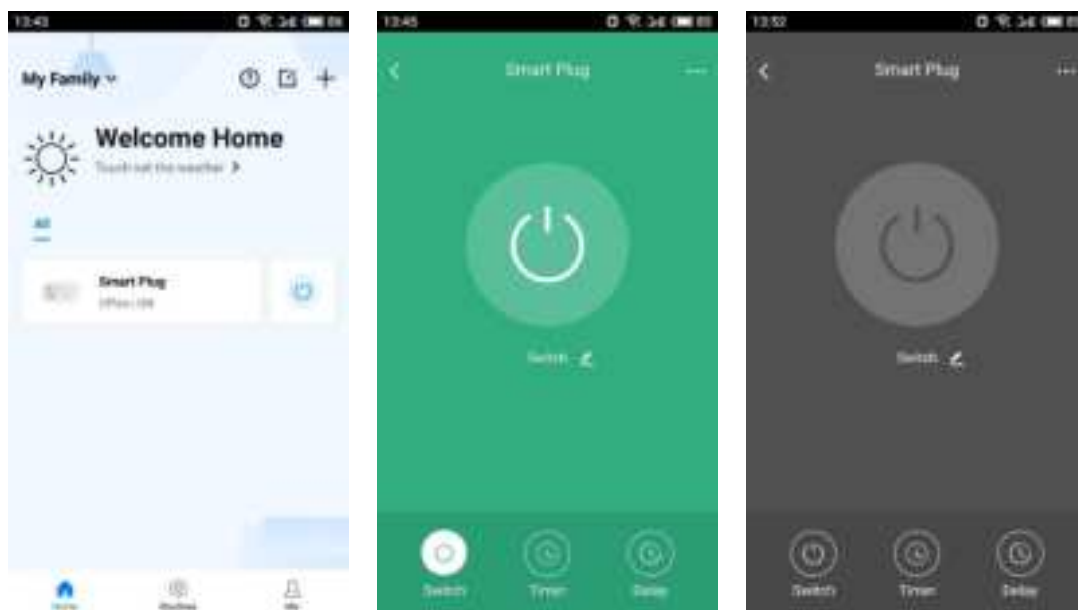
input your email (must be same as you used in NoAPP setup) and tap "Sign in". You will get an email with verification code. Input the verification code and tap "Sign in" to sign in the app.



5.5. Control Device

If the device has been set up with NoAPP and controllable by Alexa or Google Home, you don't need to do any extra setup in BroadLink app. When you signed in the app, the device will be automatically found and displayed on homepage.

You can tap the quick control button at right side to turn on/off the device or tap the device icon to enter the control page. In control page, you can tap either the status icon in the center or power button at the bottom to turn on/off the device. The background color will be changed according to the on/off status.



VI. Set Up Timers

7.1. Types of Timers

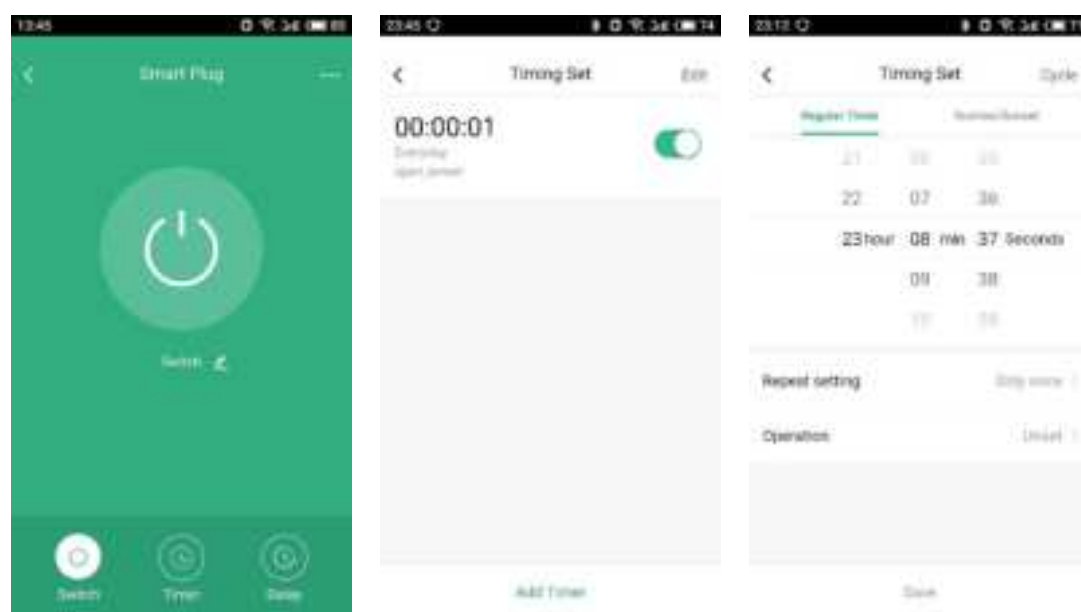
BroadLink app supports 4 types of timers:

Type of Timer	Description	Frequently Used Scenes
Regular timer	The device will be operated at specified time (can be set for once or repeated days)	Turn on radio at 7:00AM every day
Sunrise/Sunset timer	The device will be operated at sunrise and sunset time (according to local weather data).	Turn on floor lamp at sunset and turn off floor lamp at sunrise
Cycled timer	The device will be turned on for a specified time then turned off for a specified time and repeat in a period (can be set for once or repeated days)	Turn on oxygen pump in fish tank for 5 min then turn off it for 10 min and repeat in 24 hours
Delay timer	The device will be operated after the specified time.	Turn off bed lamp after 10min

7.2. Set Up Regular Timer

Tap "Timer" in device control page and then tap "Add timer" to add a new timer.

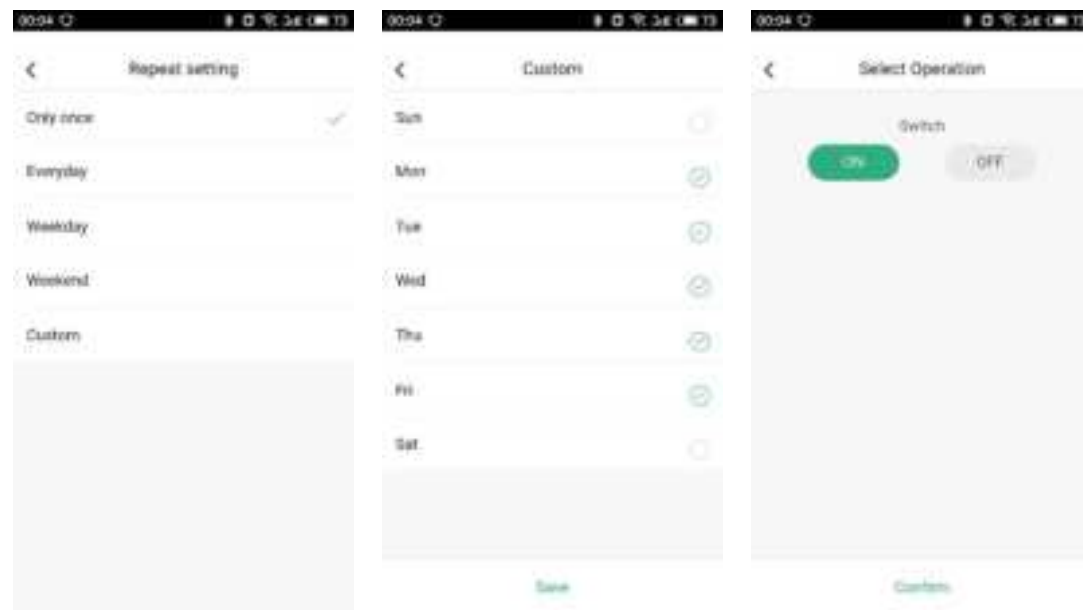
Slide up and down to choose a time.



The default timer is set to be executed once. You can tap "Repeat setting" to change it to be executed

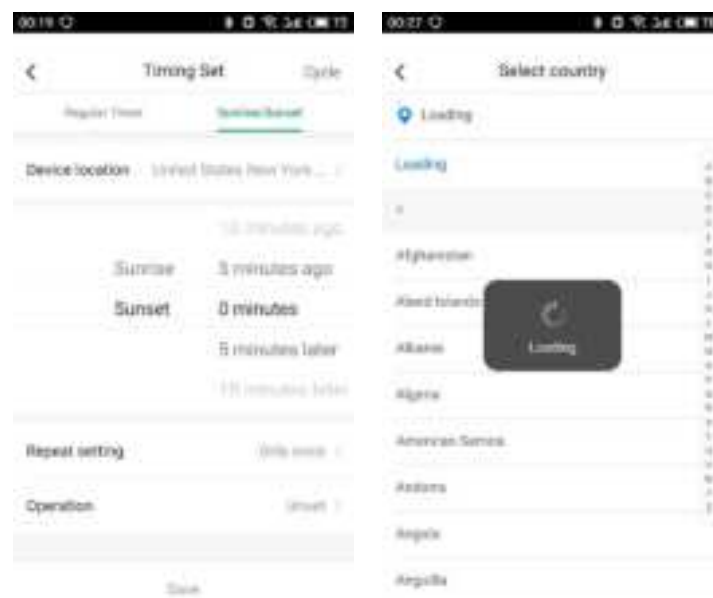
every day, on weekdays, weekends or custom days.

Then you need to tap “Operation” to set the action to turn on or off the socket.



7.3. Set Up Sunrise/Sunset Timer

On timer setting page, choose “Sunrise/Sunset”.



You need to set the device location so the system can find the correct sunrise/sunset time from Internet.

You can tap “Device location” to choose your country, province / state and city or let the app automatically detect your location.

You can even slide up and down to set a deviation to let the device act XX minutes before/after sunrise or sunset.

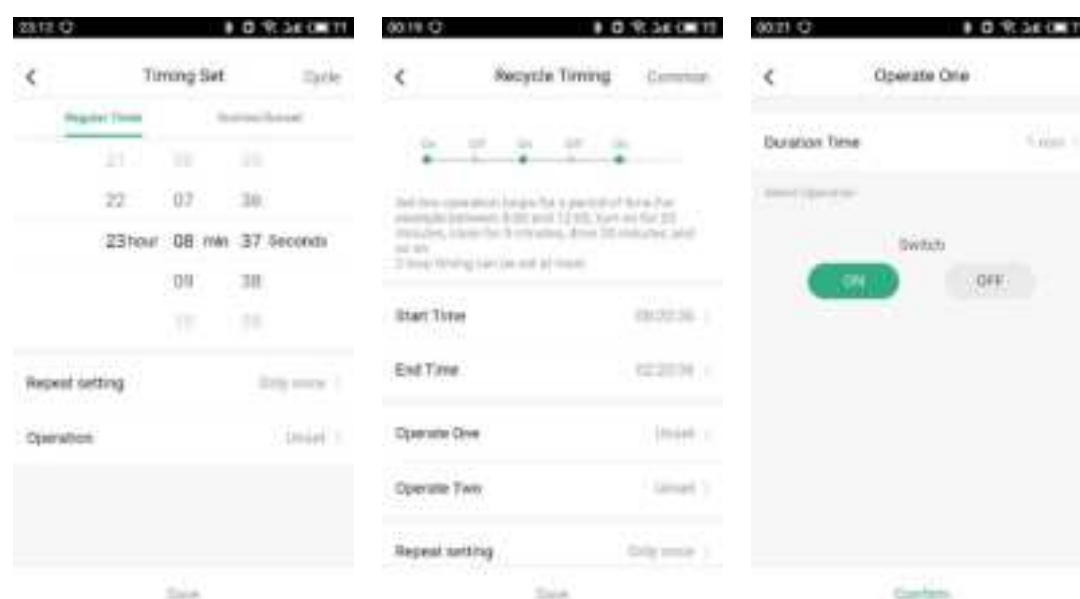
For “Repeat setting” and “Operation”, please refer to 6.2. Set Up Regular Timer.

7.4. Set Up Cycled Timer

On Regular Timer setting page, tap “Cycle” on the top right to switch to Cycled Timer setting.

Set a start time and an end time (you can choose sunrise/sunset as start/end time). Then set the duration time and action for operation 1 and operation 2. For “Repeat setting” please refer to 6.2. Set Up Regular Timer.

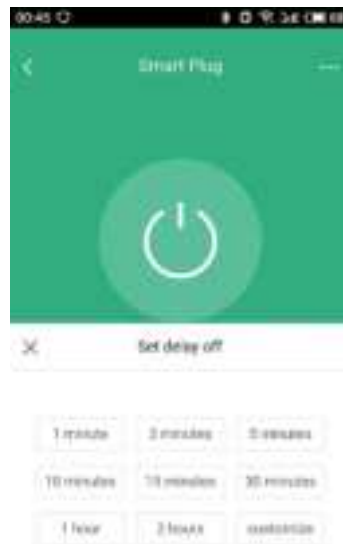
Tap “Save” to save the timer. You can also tap “Common” on the top right to switch back to regular timer setting.



7.5. Set Up Delay Timer

Tap “Delay” in device control page to add a delay timer.

You can pick up a preset delay time from the list or customize it as you want.



VII. Other Functions

Tap “...” on the top right of device control page and choose “Function Set” to access advanced features.



8.1. Max Work Time

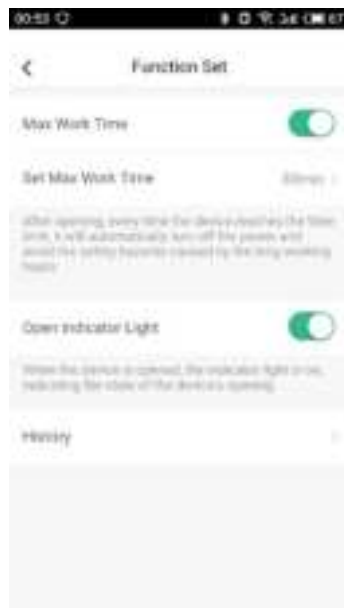
The “Max Work Time” feature is designed for users prefer traditional way of using a mechanical timer which is activated by pressing a button to turn on socket and automatically turn off it after a preset duration. For instance, you like to make soup every day for dinner and the soup needs to be boiled for 30min, but you are not sure when you will start cooking.



Now you can connect the power of your electrical cooker to smart plug and enable “Max Work Time” with setting of 30min timer.

Then every day, you can just press the on/off button on smart plug to turn on the power and start boiling the soup. It will be powered off automatically after 30min.

8.2. LED Indicator Light



The LED indicator on product is set to be enabled as default to show the working status.

In case you don't want the LED indicator to be lighted, you can disable it in "Enable LED indicator" option.

8.3. Control History



You can tap "History" to view your control records.

To change a date to show records, you can tap the date on the top center to select a day, or tap "Previous Day" or "Next Day" to quickly switch one day before or after.

VIII. Device Settings

Tap “...” on the top right of device control page and choose “Property” to access advanced features.



8.1. Device Information



In device settings page, you can rename the device, change a room for the device or check device info.

The “Device info” page is usually used for customer support. When you request for help from our customer support, you might be asked for submitting device info. You can take screenshot or tap “Copy all information” to send all information in text.

8.2. Firmware Update

You can tap “Firmware update” to check updates of firmware. Usually new firmware will be also popped up when you access device control page. Please tap “Update now” to update the firmware

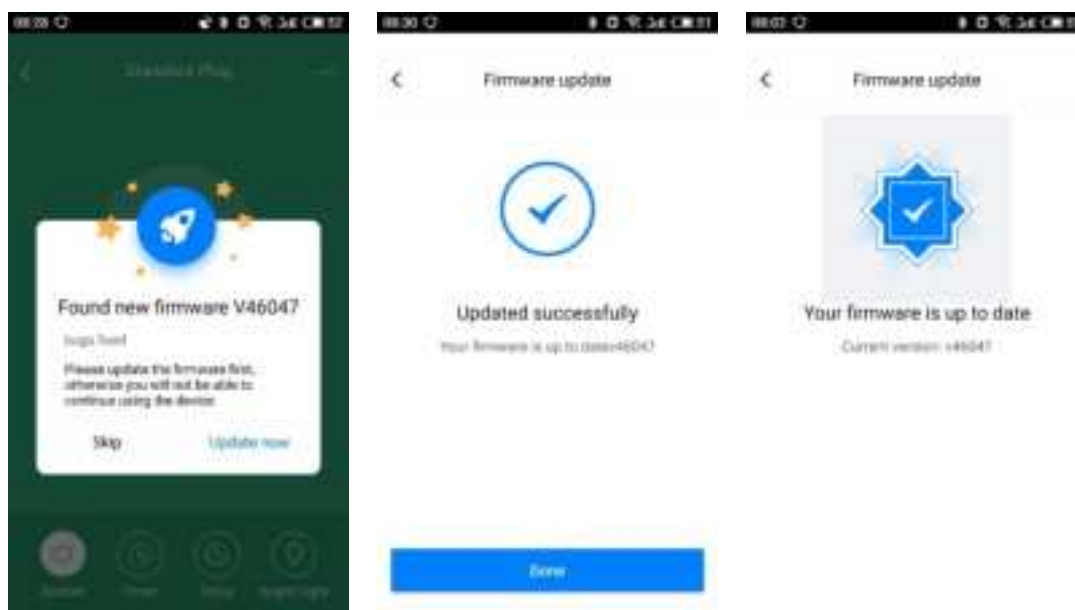
for device. Some versions of firmware might be pushed as mandatory for urgent bug fixes and you are unable to skip it before entering device control page.

After the update completes, the app will show a successful page. You can just tap “Done” to finish.

If the device firmware is up to date, the page will show your current firmware version.

NOTE:

DO NOT power off the device or disconnect Wi-Fi network, otherwise the update process may fail. During firmware update the socket will be turned off. Please manually switch it on if you want to keep previous state.



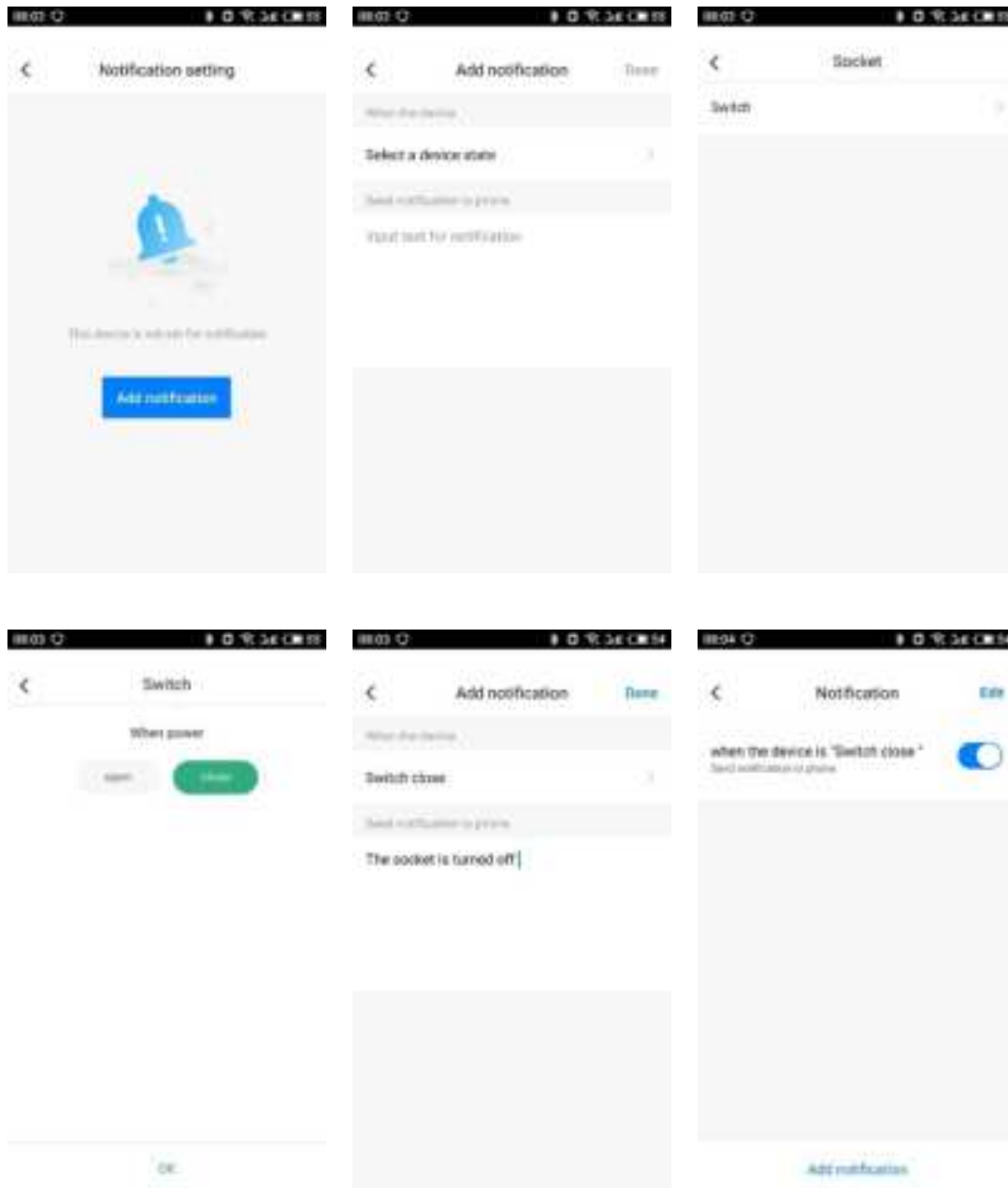
8.3. Notification Setting

You can set to receive push notification when the device is on/off or offline.

Enter “Notification setting” and tap “Add notification”. Select a device state and choose the state on, off or offline. You may need to choose sub-device from socket or night light if you are using SP4L (ex. When the device is turned off). Then tap “OK” to save the selection of state.

You can customize the text of notification you will receive (ex. “The socket is turned off”) and tap “Done” to save the notification.

You can disable the notification if you don’t want to receive them temporarily.



NOTE:

The push notification will use your Google / Apple service to send the message. For Android phones, you must make sure your phone can access to Google service and keep the app running (active or in background), otherwise you will be unable to receive push notifications.

8.4. Sub-Devices

BroadLink 4th gen smart plugs support FastCon™ Bridging which allows devices building their own sub networks with one of them acting as master and others as clients to minimize the connection load of Wi-Fi router. When the device was added in the network. It will look for better network routes in 1-2 minutes and may join a sub network.

Also, when you add FastCon™ sensors and light switches via the smart plug, this smart plug will be fixed as master.

If your device is a master, you can tap "Sub-device" to view all sub-devices.

IX. Online Resources & Support

9.1. Online Resources

In-App help center

Sign in BroadLink App and tap "?" on top of App homepage or "Me" > "Help center" to access help center for more information of each product and App functions.

Tutorial video

Search "BroadLink International" to find videos for device setup, use and other tips in YouTube.

9.2. Customer Support

In-App feedback (Recommended)

In "Help center", tap "Feedback" or go to "Me" > "Feedback" to submit your issue for prior customer support.

Facebook

Follow us on Facebook by searching "BroadLink International" or join our fans group

Global Hotline

We provide 5x24h (Mon-Fri) call service for global users. Please feel free to dial local number to get instant voice support.

North America +1-40-4476-4482	Other Asian Countries +91-1800-103-6262
Europe +33-4-81-68-12-80	Latin America +55-11-4118-4618
India & UAE 1800-103-6262 (Toll Free)	Australia & New Zealand +61-2-4067-5400

Email

Send email to support@ibroadlink.com