LonHand Series Product Specification

USR-WSa

Version: V1.0

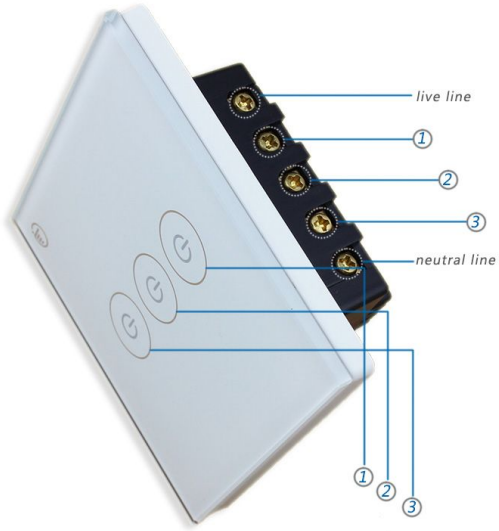
Contents

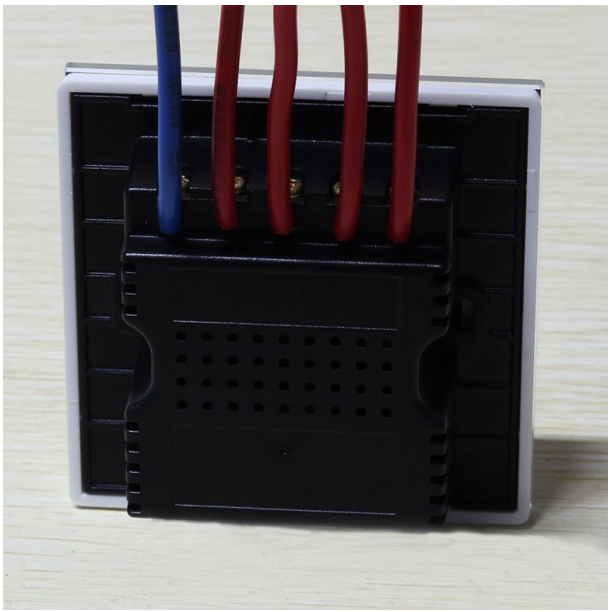
LonHand Series Product Specification....1
1 Quick Start....3
1.1 Instruction of wiring....3
1.2 Direct Connection....3
1.3 Local LAN Control....6
1.4 Remote Control....8
2 Product Introduction....10
2.1 Product Description....10
2.2 Product features....10
2.3 Hardware specifications....11
2.4 Indicator light and Key Introduction....11
2.5 Timing Function Instruction....11
2.6 Restore Factory Defaults....12
3 Directions....13
3.1 Hardware Instructions....13
3.2 Connect the wireless router....13
4 Introduction of LonHand Software....14
Contact Information....18
Disclaimer....18
Update History....19

1 Quick Start

1.1 Instruction of wiring

The left-most wiring terminal is live line, then switch 1, switch 2, switch 3, the right-most is naught line when you look from top. Please power on the device after you have wired it correctly, then go through the following steps.





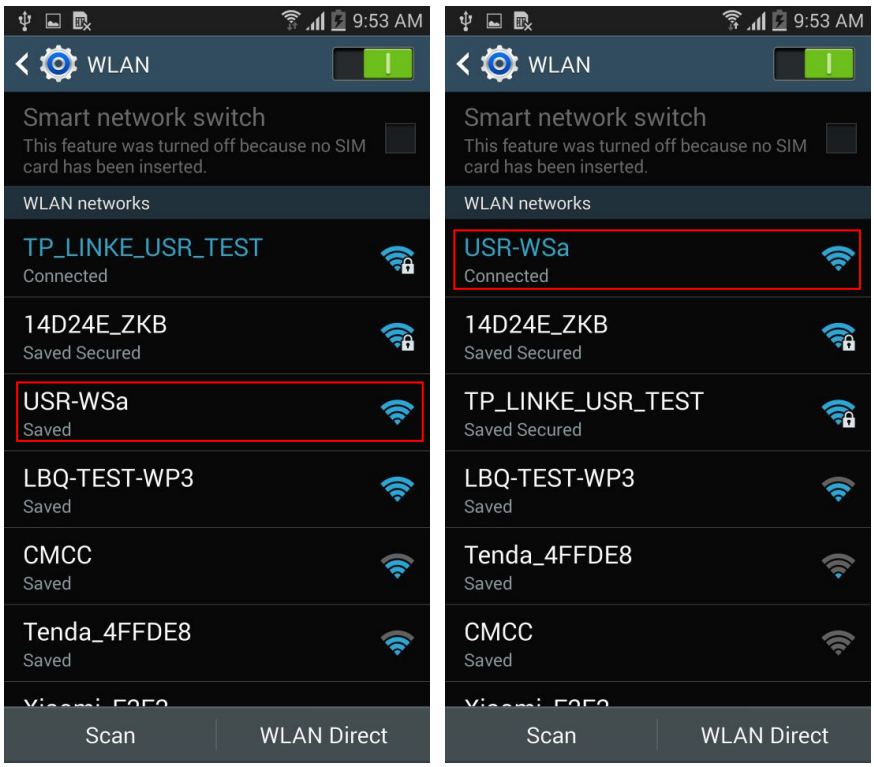
1.2 Direct Connection

1. Download and install LonHand software into your mobile phone.

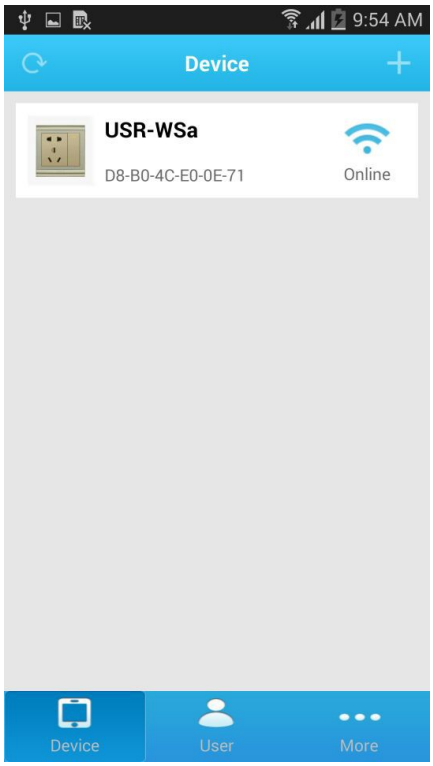
For IOS system, search for "LonHand" in App Store to download and install. Also you can scan two-dimensional code as below.

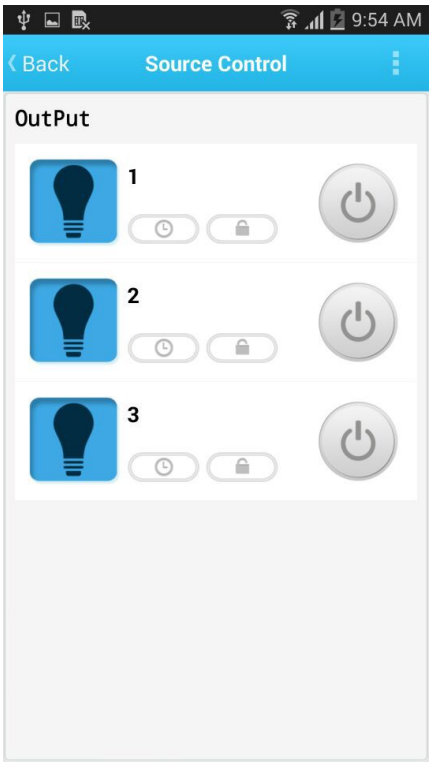
IOS Android

2. Connect Smartphone to USR-WSa wireless network
   Find USR-WSa in WLAN, connect to the network, as shown below:



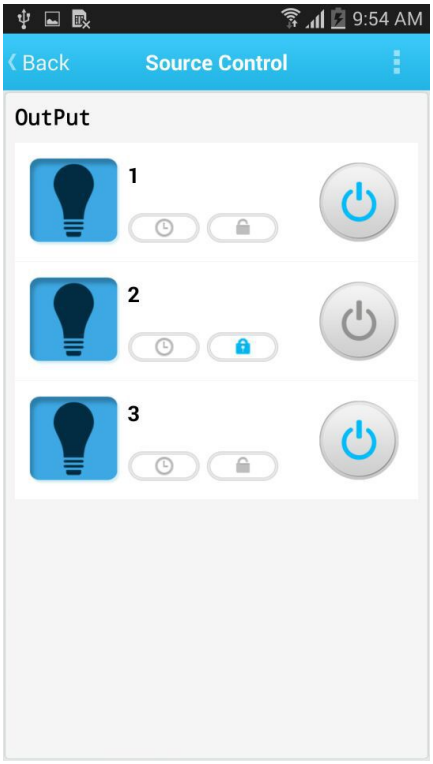
3. Control menu
   Open LonHand software. Enter the device page and find USR-WSa, and click it to enter the control menu.





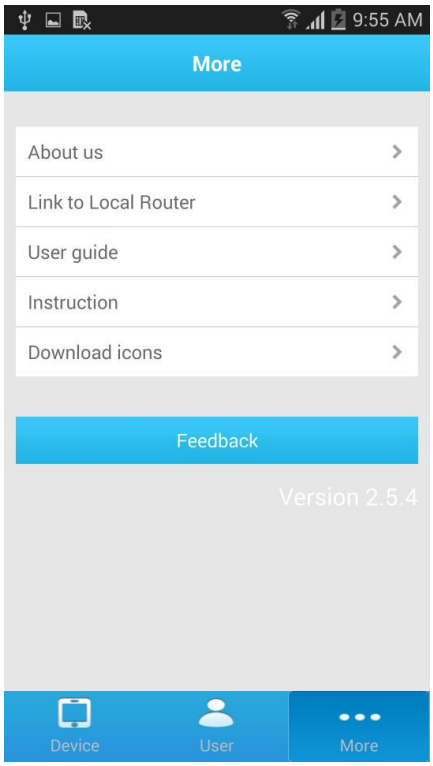
4. Control Test

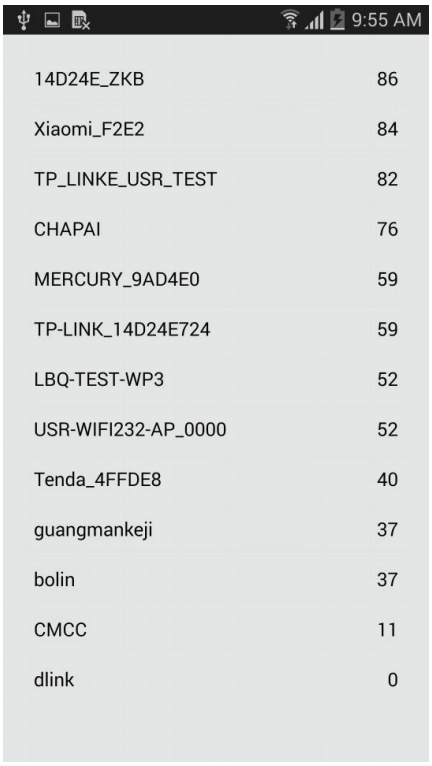
You can click the switch button to control the USR-WSa now.



1.3 Local LAN Control

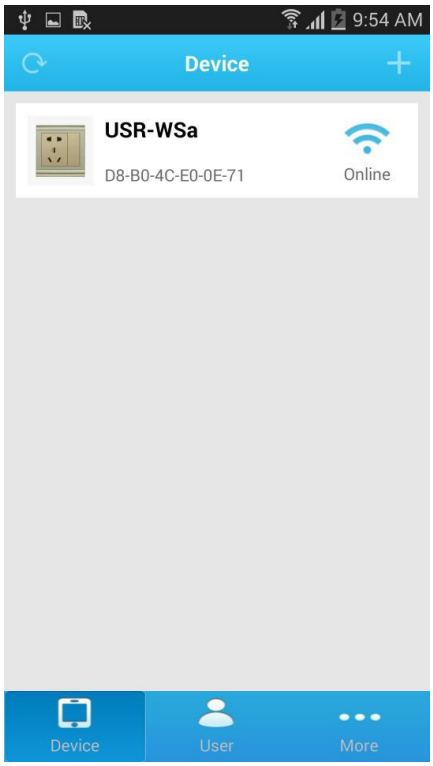
1. Connect Smartphone to USR-WSa wireless network.
   Open LonHand software, then refresh the device list. Note: LonHand software on IOS system do not support this configuration now, please refer to section 3.2 for windows system.
2. Click “More” from the bottom toolbars.
   Then click “Link to Local Router”.

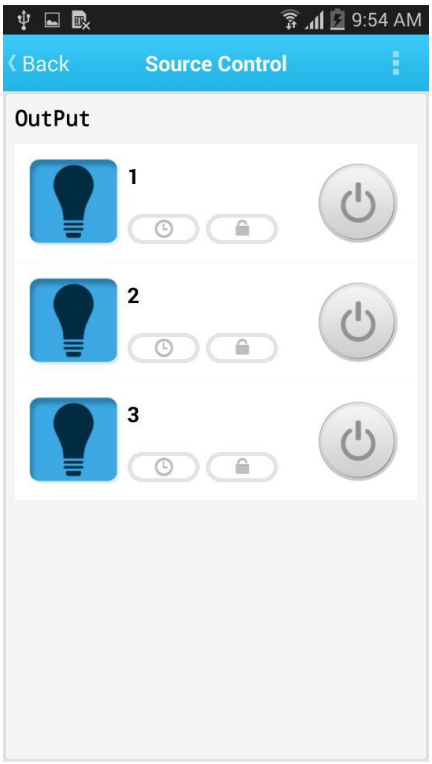




3. Wait for searching. Then select the router you want to join. Input the password, and click “OK”.

4. WSa will connect to the router automatically after restart.
   Then You can control the USR-WSa like direct connect.

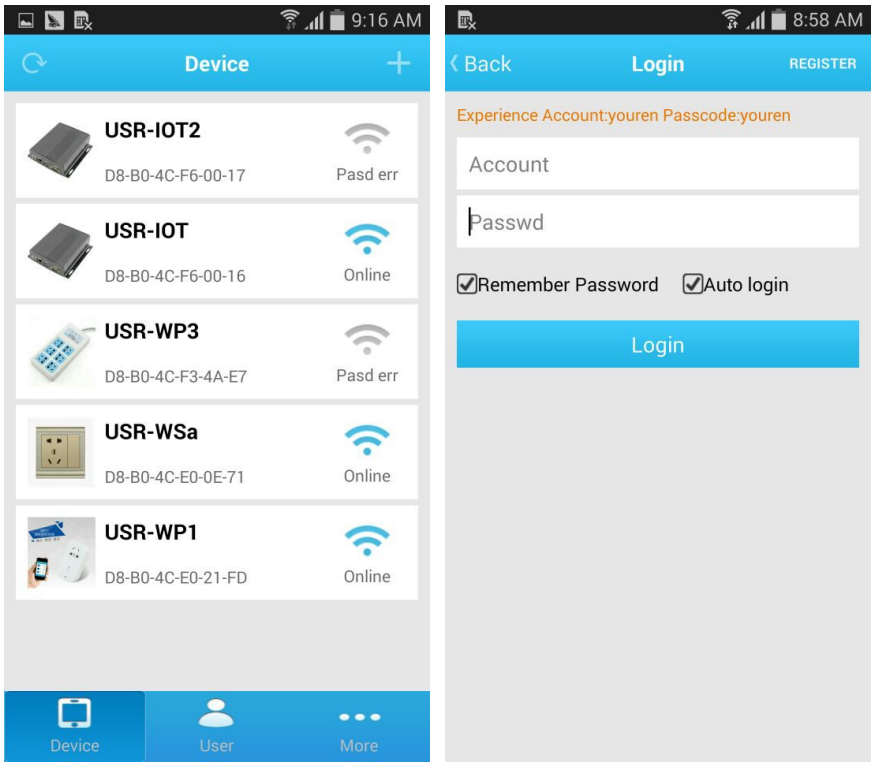


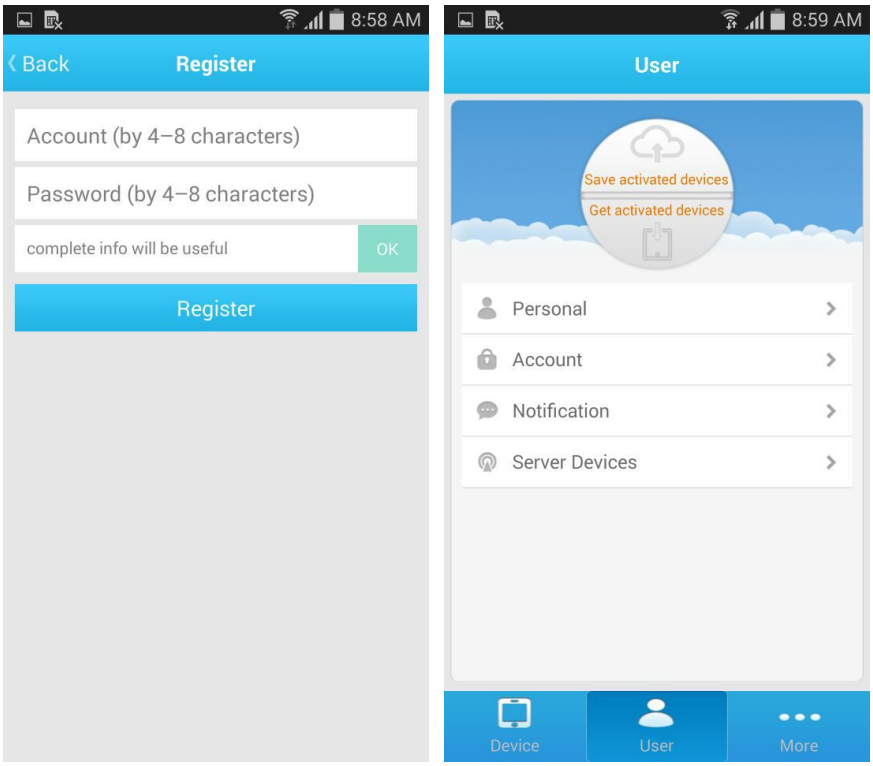


1.4 Remote Control

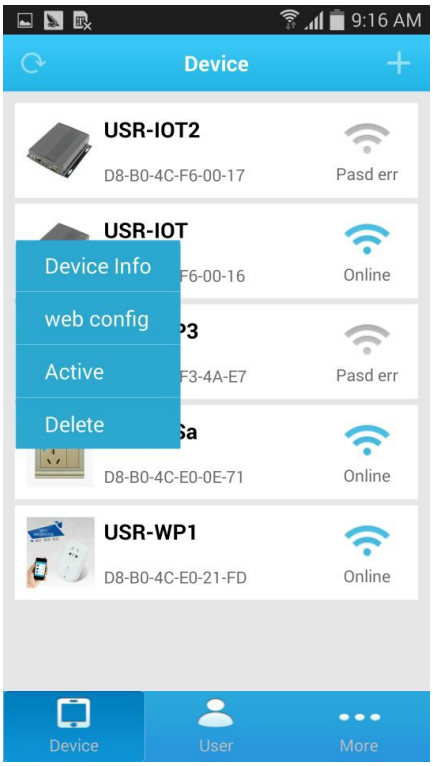
1. Connect WSa to your router (refer to the above: Chapter 1.3) then connect your smartphone to it as well.

   Click “User” on the bottom toolbars, then click “REGISTER” on the top right corner, input an account and password. If you register unsuccessfully, maybe your account is same with someone else, use different name.



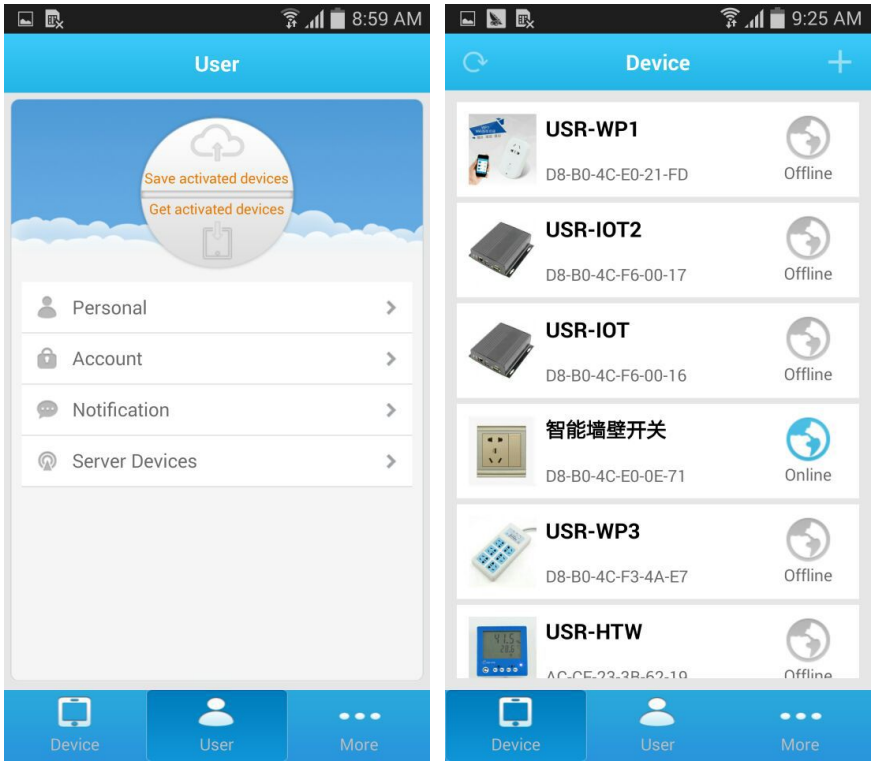


2. Return to the device list, and refresh, then you can see the USR-WSa. Long press the icon, and click “Active”.



3. Click “Get activated devices” in the User page.
Then close the wireless network, change to 2G/3G/4G Internet or some other routers, refresh the device list.

You will see the wifi icon become a remote icon, now you can control it.



2 Product Introduction

2.1 Product Description

The USR-WSa wall switch whose relays can be switched on or off through internet, is WIFI branch of LonHand series product, and is designed for smart-home application.

LonHand series control terminals are developed for the application in the field of Smart home, Internet of Things, Industrial controlling and so on. They are suitable for rapid deployment, especially for mobile application because the USR-WSa can be controlled by your cell phone. They can operate with WIFI connection compared to traditional wired connection. These devices are an ideal choice to realize remote control.

These series product are suitable for household application to build smart home for more comfortable life. Also it can be used in industry and agriculture for low cost, high efficiency in intelligent control of the devices. You are capable to carry out more effective cost control and gain higher profits, because there's no big change and upgrading of your owned equipment under wireless remote control, you can make full use of your original product without more costs.

2.2 Product features

- WIFI interface, remote control switch
- Support AP/STA
- Support Usrlink quick network configuration function

- Support password authentication for safety control，default password admin
- Up to 5 timing tasks each switch
- Control software supports five platform: Windows, MAC, IOS, Android, Webpage, you can choose freely.

2.3 Hardware specifications

Table.2-1 USR-WSa Parameter table

Mechanical Dimensions	86*86*30mm（L*W*H）
Working voltage	AC 110V/60Hz 220V/50Hz
Working temperature	-20-85°C
Preservation environment	temperature : 10-50°C Humidity: <60%RH
Maximum output voltage / current	AC 250V/10A AC 110V/10A
Default mode	AP mode
Packing List	USR-WSa*1

2.4 Indicator light and Key Introduction

A. Indicator light

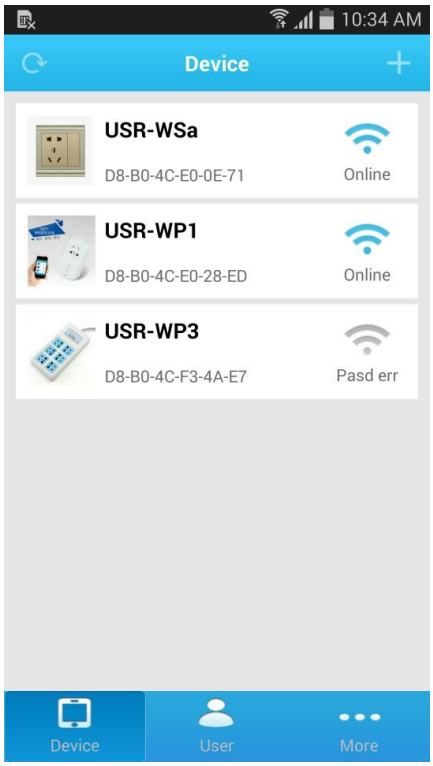
- Switch light: red light indicates on state, blue light indicates off state. It has second function, it will blink when you long press the first switch to indicate that you want to restore factory settings.

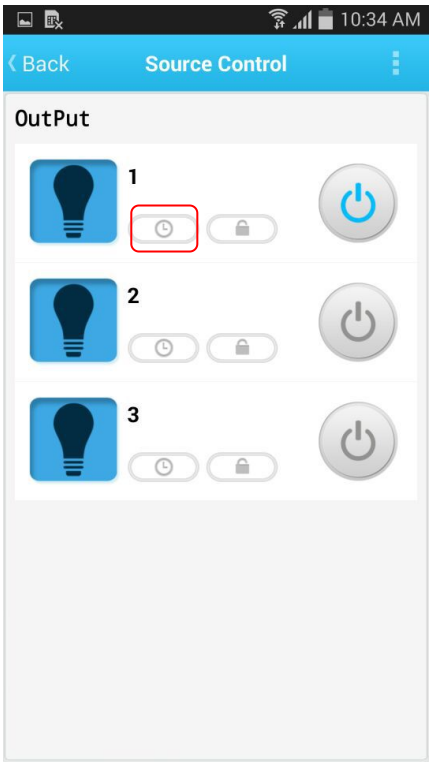
B. Key

It will change the state of the wall switch when you touch on the key for a short time(less than 3 seconds). For the first key it will restore to factory settings when you touch on it for at least 5 seconds.

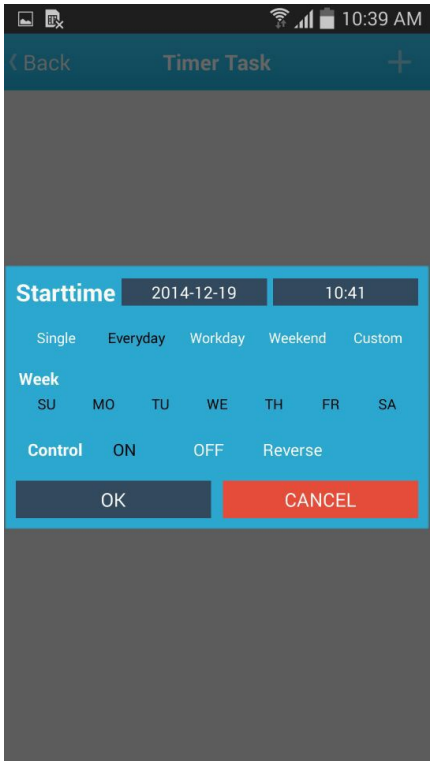
2.5 Timing Function Instruction

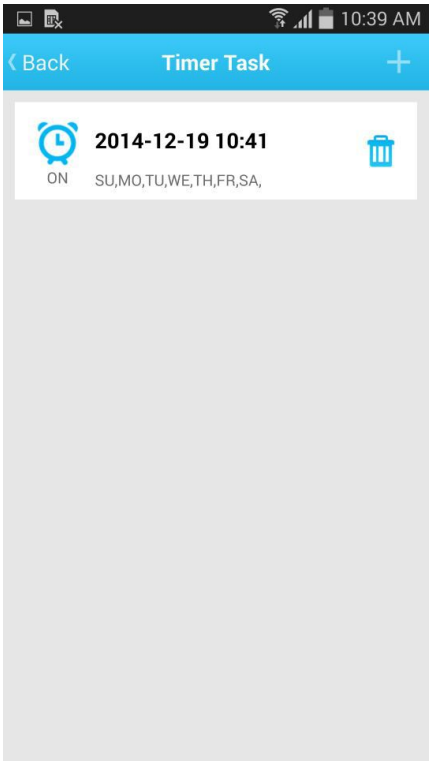
1. Connect PC or smartphone directly to the device's wifi network or join them into same router. Open Lonhand software, search the device. Then enter the control menu and click the timing button.





2. Click the "+" to add your own timing task. The Max is 5 tasks.





2.6 Restore Factory Defaults

Long press the first switch, release the key when the lights blink, the device will return to default factory settings. After 5s about, it will work again.

3 Directions

3.1 Hardware Instructions

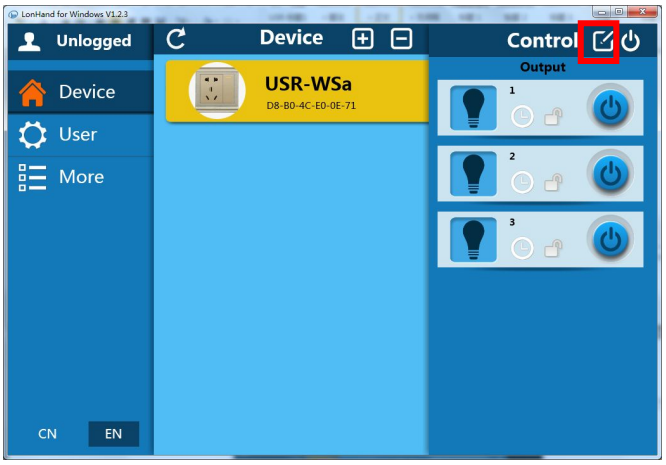
USR-WSa begins to work after power supply for 3~6 seconds. Now you can open or close the socket switch by the touch button. Press the button, it's on, press again, it's off.

3.2 Connect the wireless router

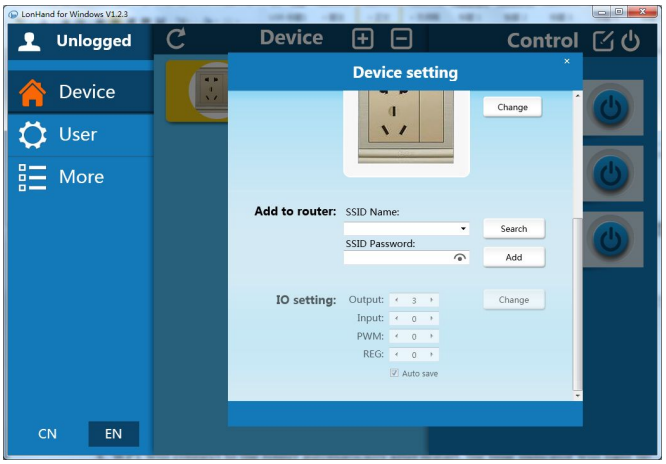
Windows System Configuration

1. Click wireless network button from right bottom corner of the desktop. Click "USR-WSa" to connect.
2. Open LonHand software，then click to refresh the device list.

3. Click WSa column then click Setting button.



4. Pull down the scroll bar and click "Search".



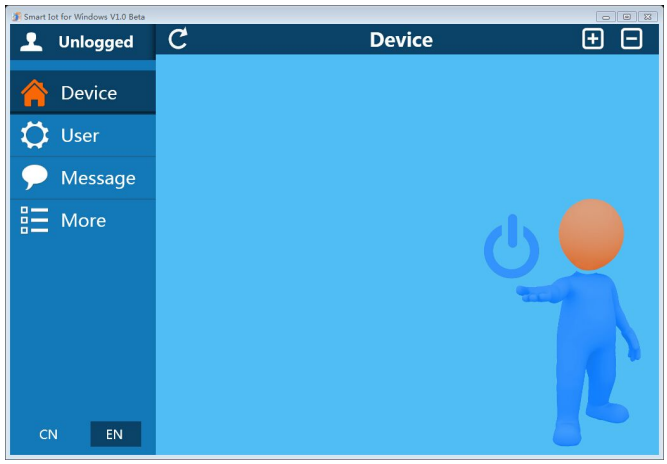
5. Wait for searching, select the router you want to join.
   Then input the password, click “Add”.

6. WSa will connect to the router automatically after restart.

4 Introduction of LonHand Software

For more detailed operation please refer to the manual of LonHand software.

1. Open the LonHand software



2. The software will search WSa automatically. If you don’t see WSa in software, please click .

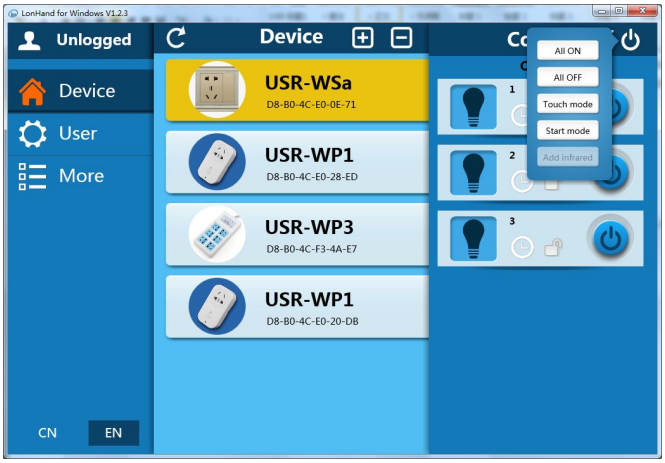
Then you can see the information as following. If the WIFI symbol is gray, it means WSa is not connected to computer. If the WIFI logo is blue, it means connected.

3. Click WSa, enter the control menu.

The control menu displays the control button, which is close by default. You can click the button to control switch as shown in the diagram. Also the button will change accordingly to the switch state.

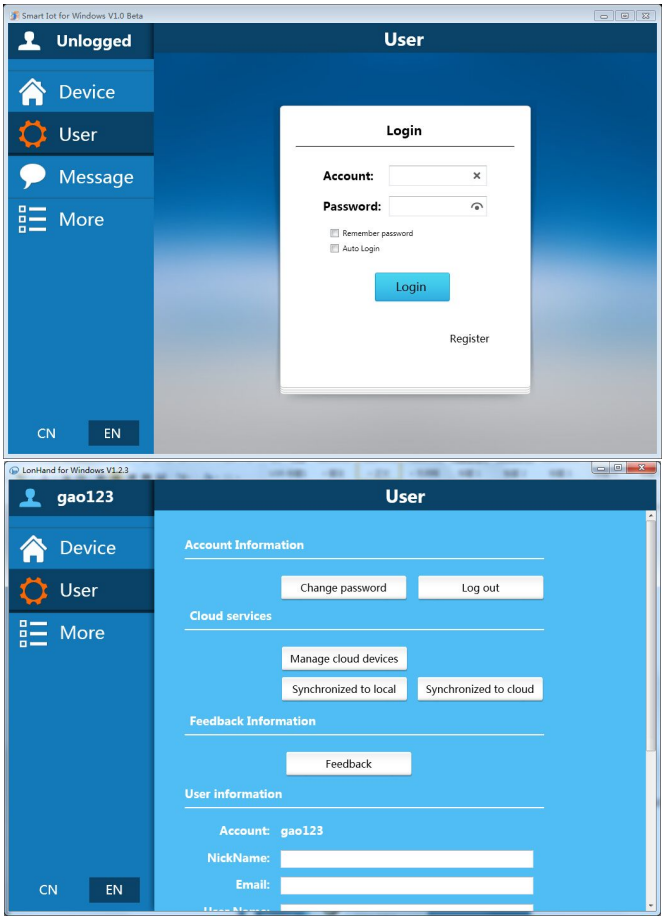
Open Close

4. You can also set WSa all on or all off by the upper right button, as follows:



5. Remote control

Firstly, you need to register a you account (account number and the password 4-8 characters, can be numbers, letters, combination of numbers and letters, case sensitive), and then login.

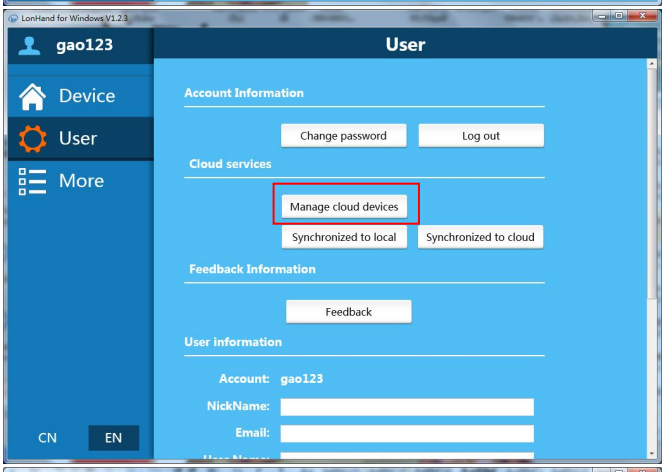


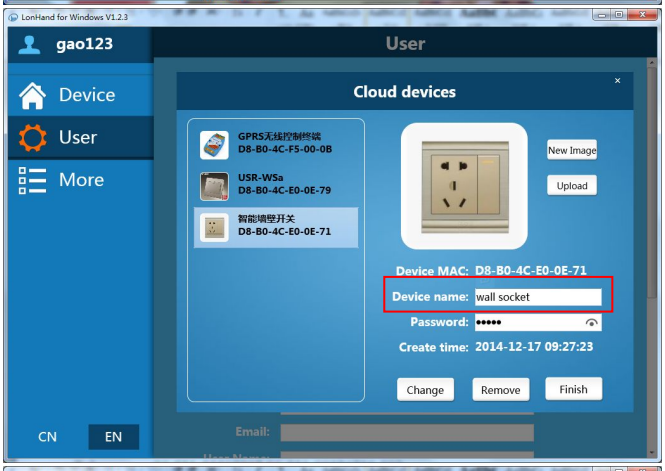
6. Active WSa

Refresh the device list, and find USR-WSa. Click , then click “active”.

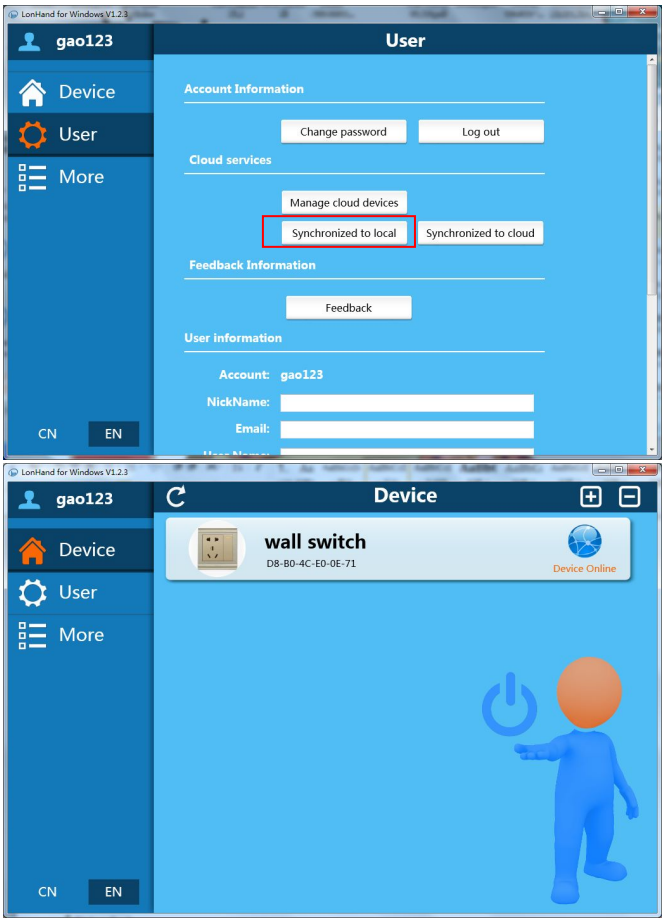
Change you network or you control it remotely, click “Synchronized to local”, refresh the device list, you will see the device icon into a remote icon, then you can control the devices via internet.

LonHand for Windows V1.2.3
gao123
Device
User
More
CN
EN
Device
智能墙壁开关
D8-B0-4C-E0-0E-71
Device Online


LonHand for Windows V1.2.3
gao123
Device
User
More
CN
EN
User
Account Information
Change password
Log out
Cloud services
Manage cloud devices
Synchronized to local
Synchronized to cloud
Feedback Information
Feedback
User information
Account: gao123
NickName:
Email:


LonHand for Windows V1.2.3
gao123
Device
User
More
CN
EN
User
Cloud devices
GPRS无线控制终端
D8-B0-4C-F5-00-0B
USR-WSa
D8-B0-4C-E0-0E-79
智能墙壁开关
D8-B0-4C-E0-0E-71
New Image
Upload
Device MAC: D8-B0-4C-E0-0E-71
Device name: wall socket
Password:
Create time: 2014-12-17 09:27:23
Change
Remove
Finish
Email:

LonHand for Windows V1.2.3
gao123
Device
User
More
CN
EN
User
Cloud devices
GPRS无线控制终端
D8-B0-4C-F5-00-0B
USR-WSa
D8-B0-4C-E0-0E-79
wall switch
D8-B0-4C-E0-0E-71
New Image
Upload
Device MAC: D8-B0-4C-E0-0E-71
Device name: wall switch
Password:
Create time: 2014-12-17 09:27:23
Change
Remove
Finish
Email:



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Update History

V 1.0 12-30-2014 First Version

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