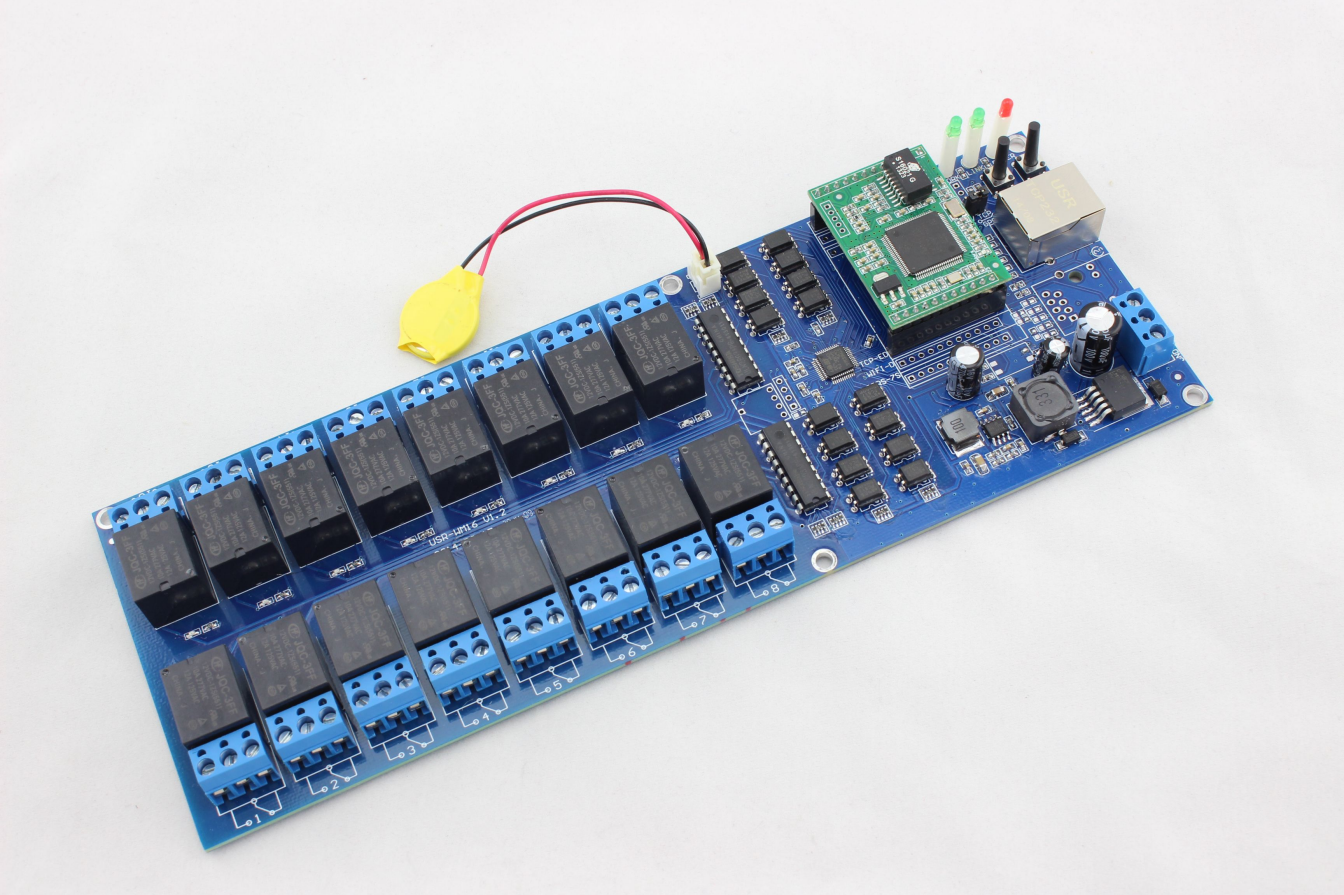
LonHand Series Product Specification

USR-R16-T

Ver: V1.0



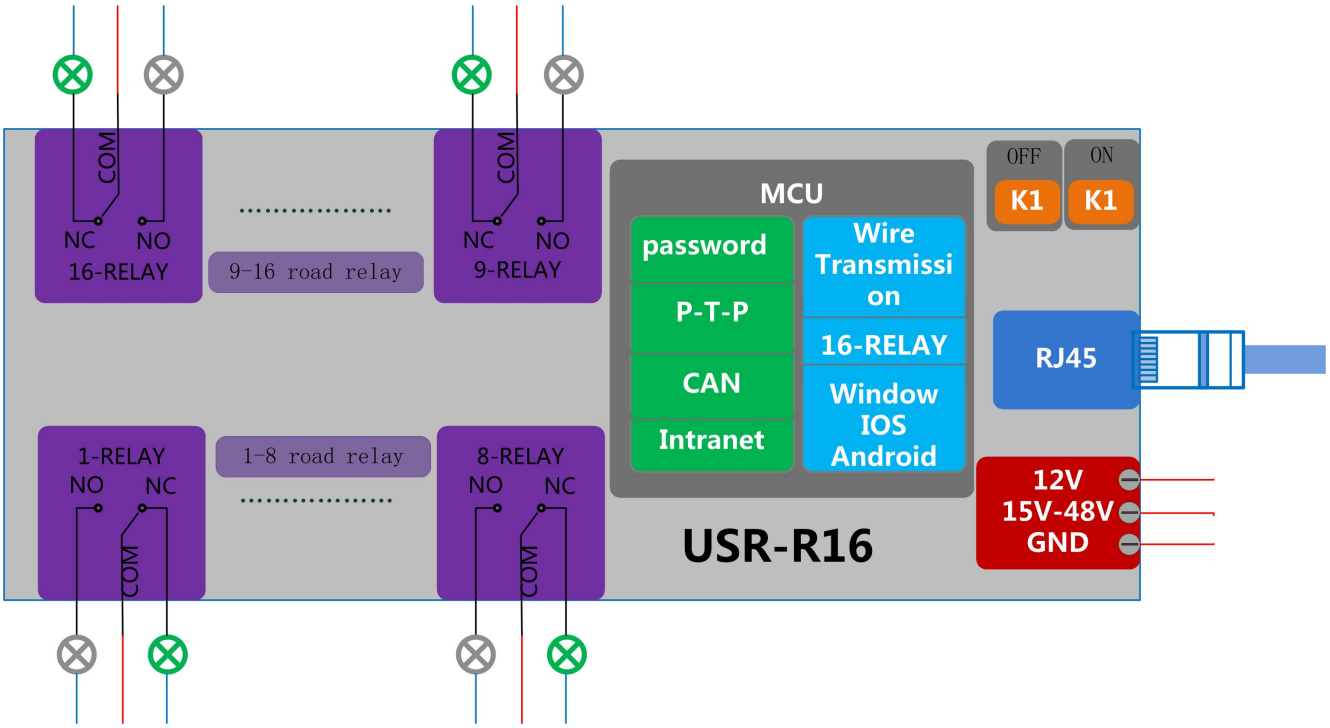
目录

LonHand Series Product Specification....1
1 Quick start....3
1.1 Product Brief Introduction....3
1.2 Preparation :....4
1.3 USR-R16-T Quick start....4
1.3.1 Direct Connect Control....4
1.3.2 Local Lan Control....6
1.3.3 Remote Control....6
2 Function Specification....11
2.1 Product Features....11
2.2 Indicator and Key Function Introduction....11
2.3Timing Function Instruction....11
3.5 Restore Factory Defaults....12
3 Directions for Use....13
3.1 Wiring Schematic Drawing....13
3.2 Revise device IP....13
4 LonHand of Windows Introduction....15
Contact Information....19
Disclaimer....19
Update History....19

1 Quick start

1.1 Product Brief Introduction

USR-R16 -TSeries is remote control device based on Ethernet . Direct Connect Control, Local Lan Control, and Remote control are available for your real time control and timing.
Lonhand software provided supports Windows, MAC, IOS, android, Webpage.



Handware Parameters:

USR-R16-T

Machine dimension	250*90*23mm（L*W*H）
Working voltage	R16-T：DC 12V/15-60V
Power consumption	12V: Max: 7W 15-60V:MAX: 8W
Operating temperature	-40~85°C
Storage environment	Temperature：-40~85°C Humidity：5%~95%RH
Relay voltage	10A 277VAC/28VDC
	12A 125VAC
delivery order	USR-R16-T*1 12VDC Ethernet Cable

Default Parameters

Network Mode	TCP-Client
Devicename	USR-R16
Password	admin
Default IP	192.168.0.7
Web account password	account：admin password：admin

1.2 Preparation

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

As for Windows or other systems, you can download Lonhand software from the url below.

http://www.usr.so/Download/cat-44.html

As for IOS system, search for “LonHand”in app store then download and install. Also you can scan the below two-dimensional code.

IOS Android

1.3 USR-R16-T Quick start

1.3.1 Direct Connect Control

1. The default IP of USR-R16-T is 192.168.0.7. Firstly, set your PC with static IP such as 192.168.0.10
2. Connect the R16-T to your computer through the RJ45- 1. Then three indicator lights are on.
3. Open the software LonHand.exe .You can click If the devices are not displayed.

4. Click the USR-R16 then enter into control menu.

5. You can click the switch button to control the USR- R16 now.

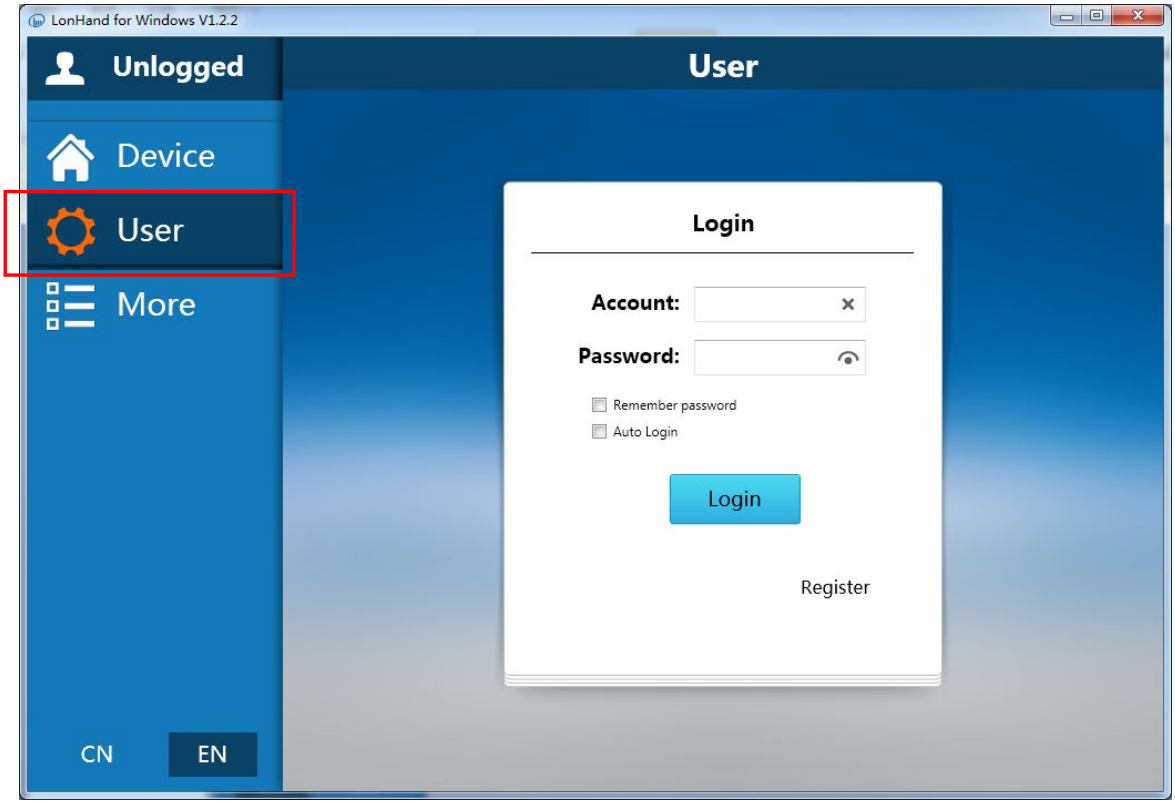
1.3.2 Local Lan Control

1. Check the IP of your router. If it is 192.168.0.XX, you can connect directly. If not, set the R16-T IP to be same segment with the router's.(For example, if your router IP is 192.168.1.1, then you can change R16-T to be 192.168.1.7). As for detailed steps, pls refer to 3.2 Revise device IP.
2. Connect R16-T to the router through the RJ45-1, also connect PC to the router.
3. Open the software and find USR-R16.

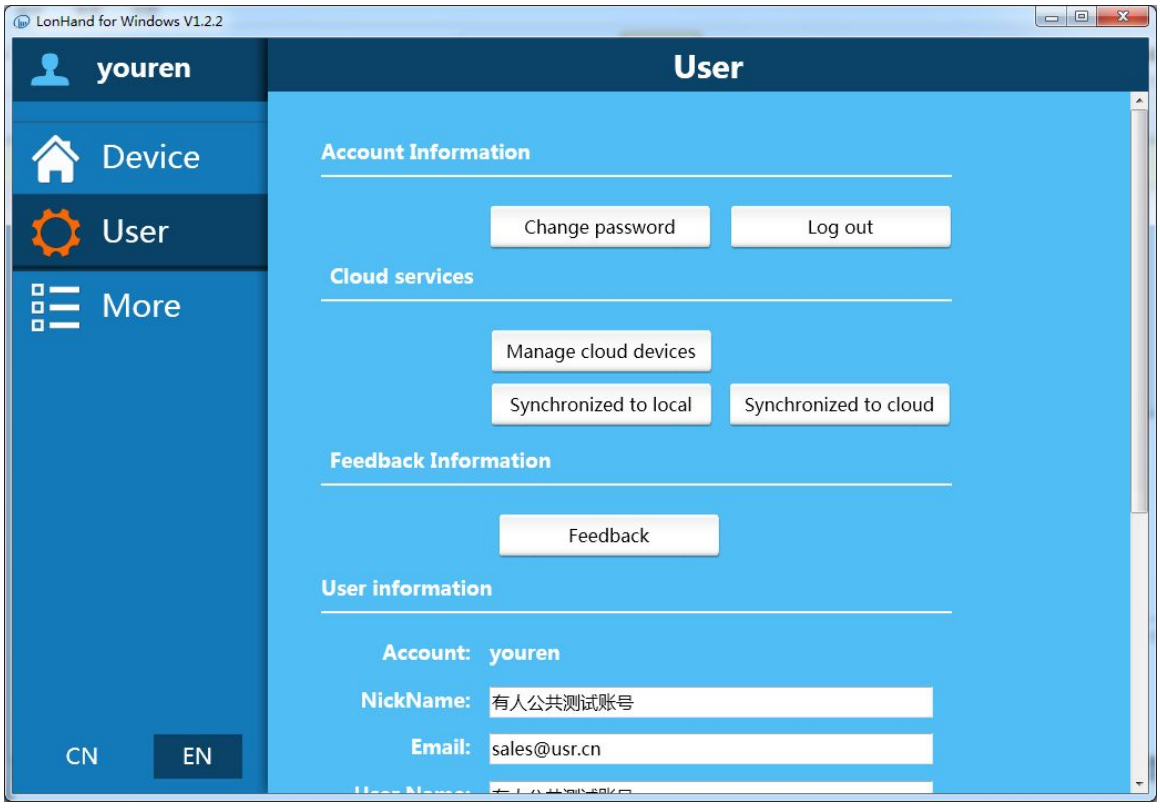
4. Now you can control it.

1.3.3 Remote Control

1. R16 and PC are under the same router and make sure PC is connected to the Internet.
   Open Lonhand software and find R16-T.
   Then click "User".



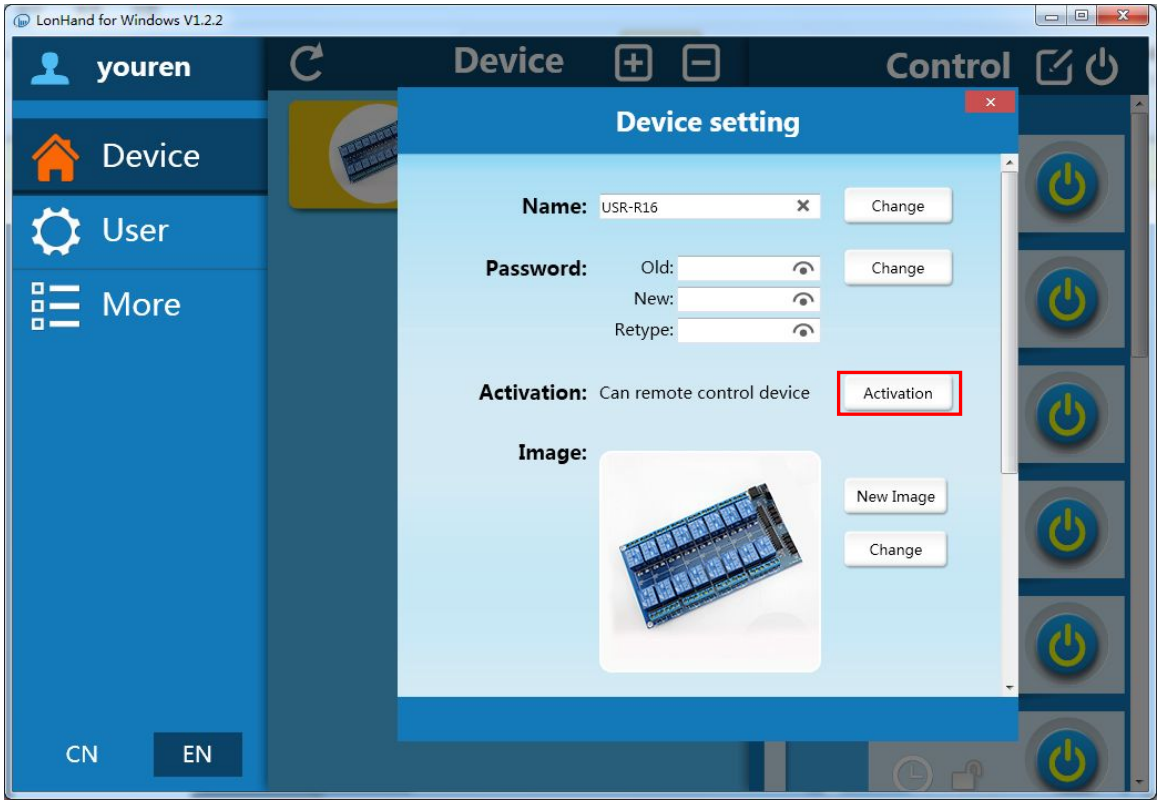
2. Click “Register”, set account and the password, then login.



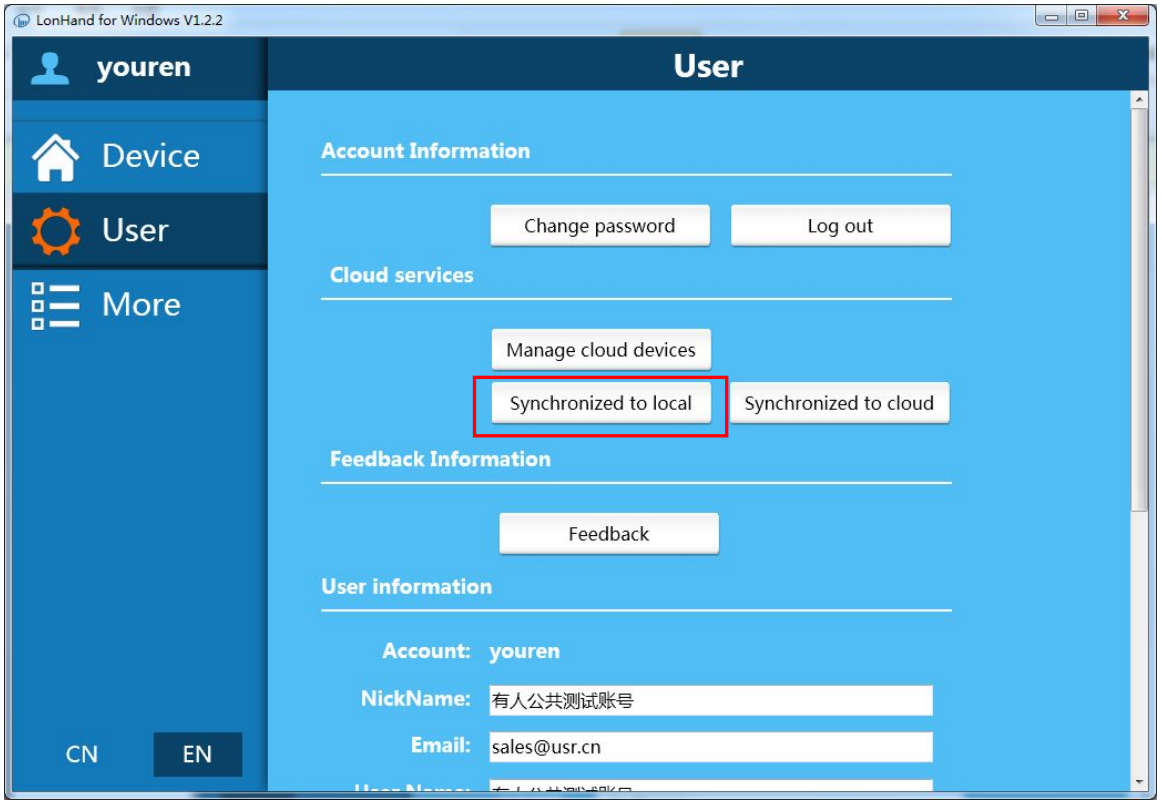
3. Click “Device”.

4. Click USR-R16 to enter control menu. Then click the button .

5. Click the button “Activation”



6. Click “User” then “Synchronized to local”.
   Disconnect the wireless network, and change to other network, then click “Synchronized to local”. You will see the wifi icon become remote one, now you can control it.


LonHand for Windows V1.2.2
youren
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: youren
NickName: 有人公共测试账号
Email: sales@usr.cn

LonHand for Windows V1.2.2
youren
Device
User
More
CN
EN
Device
USR-R16
D8-B0-4C-FD-00-0F
Device Online

2 Function Specification

2.1 Product Features

USR-R16-**T**

1. TCP interface, remote control switch
2. 16 high current output jack
3. Support password authentication for safe control
4. 5 timer switch function in ever output
5. Control software supports five platform: Windows, MAC, IOS, Android, Webpage, you can choose freely
6. Restore factory Settings function

2.2 Indicator and Key Function Introduction

Indicator light：

Table.3-1 Indicator Introduction

Name	Colour	Function	Normal State
POWER	Red	Power	Keeps On
LINK	Green	Network Connection	Keeps On
WORK	Green	Work Instruction	Keeps On
Relay Indicator light	Green	Relay Switch Indicator	On or Off
RJ45 DATA	Yellow	Data Transmission	Keeps Flashing
RJ45 LINK	Green	Network Connection	Keeps On
TCP MODULE	Green	TCP Module Work Instruction	Keeps Flashing

KEY：

Table.3-2 Key Introduction

Name	Function	key-press time（S）	Equipment Movement
K1	All the device is turned on	0-2	All the Indicator lights up
K2	All the device is turned off	0-2	All the Indicator goes out
	Reset to defaults	5-10	WORK light blinks

2.3Timing Function Instruction

Every output support max 3 timer tasks.

1. Connect PC or smartphone directly to R16.
   Open Lonhand software, find the device. Then enter the control interface and click the timer button.

3.5 Restore Factory Defaults

You can restore factory defaults via key or webpage.
As for key configuration, pls refer to Chapter 2.2 Indicator and Key Function Introduction.

3 Directions for Use

3.1 Wiring Schematic Drawing

1. Every Relay has normally open and normally closed contacts, you can choose according to your needs.
2. Every output's circuit is desperate. You need to supply power for everyone.

3.2 Revise device IP

The default IP of USR-R16-T is 192.168.0.7. First,set your PC with static IP such as 192.168.0.10.

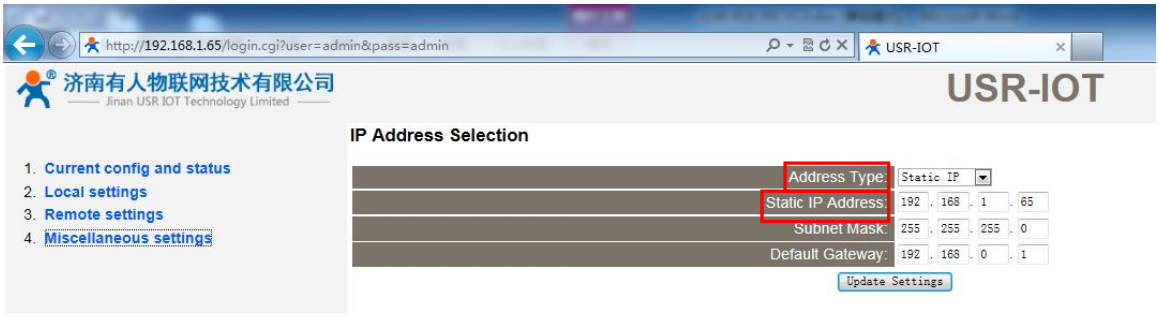
If you need to control via router but its IP is not192..168.0.XX, revise the device's IP to be the same segment with router's or choose to DHCP.

Note：Obtaining an IP address automatically, you will not make direct connect control. It can be available if you revert to Static IP.

- Set your PC with static IP such as 192.168.0.10
- Enter a Web page of 192.168.0.7. In the pop-up window, enter you name (admin) and password (admin) to login.

- Click "Miscellaneous settings".

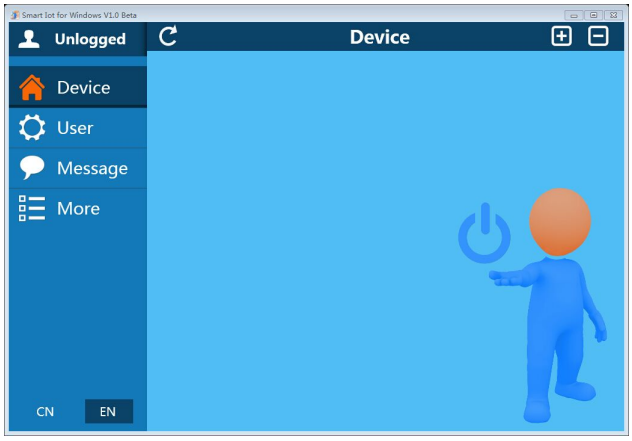
- You can change the IP in the “IP Address Selection” toolbars.



4 LonHand of Windows Introduction

Please refer to the manual of LonHand for detailed operation.

1. Open the LonHand software

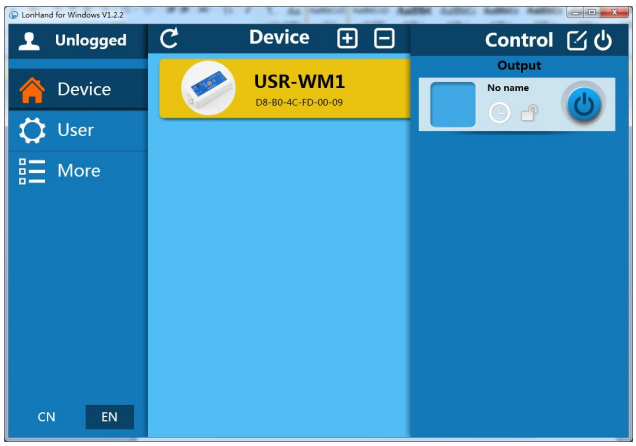


Picture.4-1 LonHand interface

2. The software will search R16 automatically. If you don't see R16 in software, please click . Then you can see the information as following.

Picture.4-2 Device list

3. Click R16,enter into the control menu.



Picture.4-3 control menu

The control menu displays the control button, which is close by default. You can click the button to control relay as shown. Also the button will indicate according to the relay state.

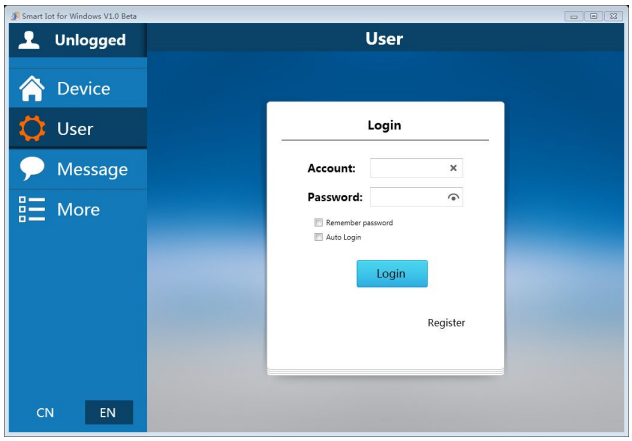
Open Close

4. You can also set R16 all open or close by the upper right button , the interface is as follows:

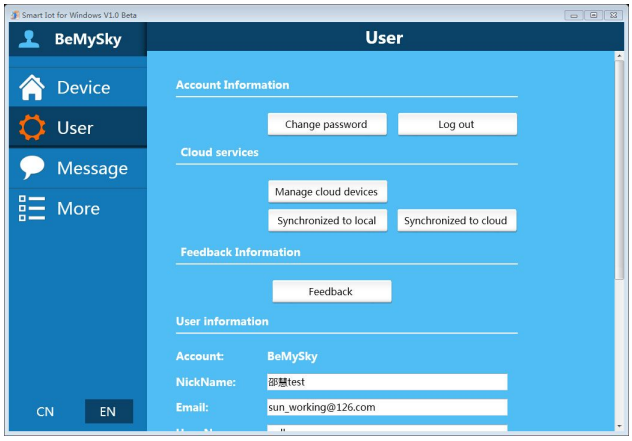
Picture.4-4 all on/off

5. Remote control

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



Picture.4-5 User menu interface

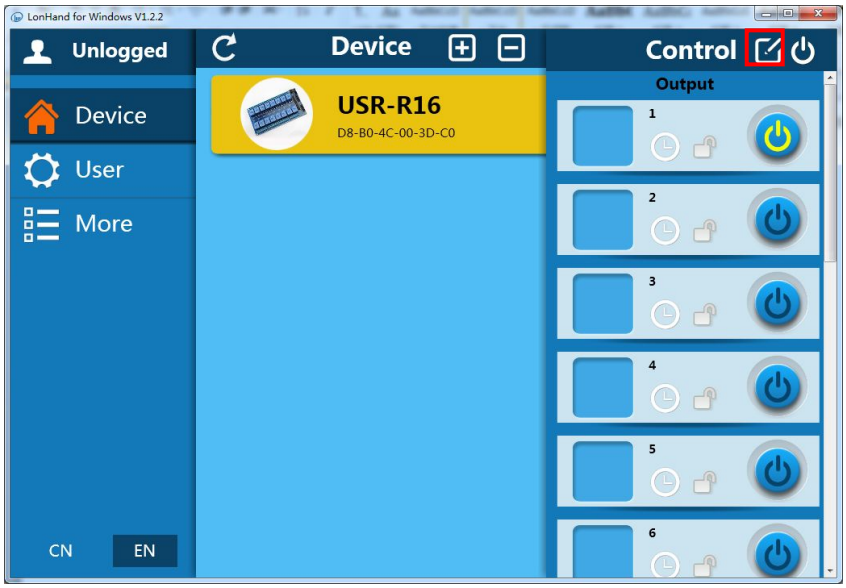


Picture.4-6 remote account management interface

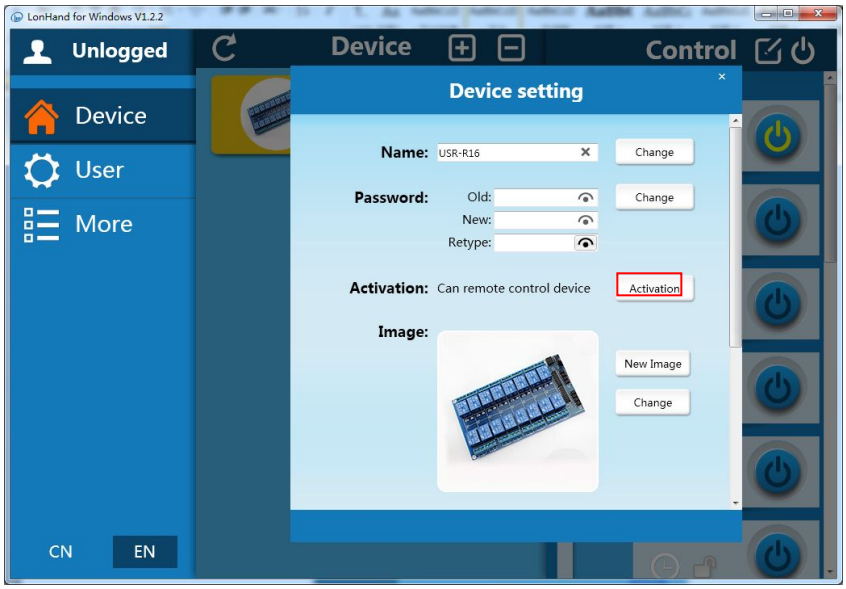
6. Activate R16

Refresh the device list, and find USR-R16. Click , then “activation”.

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.



Picture.4-7 Activation interface



Picture.4-8 Activate device

Picture.4-9 Remote control

As for Mobile phone remote control, pls refer to Chapter 1 or the manual of LonHand.

Contact Information

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Update History

V 1.0 11-07-2014 First Version

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