

LonHand Series Product Specification

USR-HTW

Version: V1.1





Content

1.	Quick start	3
	1.1 WLAN Control Operation	4
	1.2 Equipment Network Settings	6
	1.3 Remote control	8
2.	Product Introduction	10
	2.1 Product Description	10
	2.2 Details	10
	2.3 Indicator and Key Function Introduction	11
3.	Instructions for Use	11
4.	LonHand of Windows Introduction	15
Con	tact Information	18
Disc	laimer	18
Upd	ate History	18



1. Quick start

Preparation:

1. Supply the USR-HTW with a DC power 5V up to 24V.

Note the polarity. '+' represents positive, '-' represents negative i.e. ground.



2. Installation LonHand software to mobile phone

You can download LonHand software from official website

http://www.usr.so/Download/117.html, click on the floppy symbol then download LonHand software. The Product information CD contains all versions of software. We supply back-end server and software on different platforms such as Windows, IOS, Android and MAC system. Install it on your computer or your cell phone or your pad.



	load/117.html						5 S
JSR-Alibaba USR-Globalsources	USR-Made-In-China				Q Searc	h 🕀 Sitemap	🗑 OnlineShop
Sinan USR IOT Tech	nnology Limited	Home	News	Products	FAQ	Download	About Us
Download Home → Download → Application S	oftware					Sj Be l	pecialized in IOT Honest, Do Best
Application Software	USR Lor	hand Soft	ware				
Development File	Sources : 1	The Site Post Tin	ne:2014-05-15	View:89			
User Manual	Running Pla	tform					
	File Size						
	10 MB						
	Detail						
	USR Lonhan	d Software					
	Download						
	Dow	mload 1					

IOS system users can download software from App store for free. Because there are few differences of software interface between IOS system and Android system, we will illustrate how to use it on iphone now and later, as an reference to android system users.

Lonhand software are green edition, if you do not need just delete its installation directory and its shortcut icon(windows system).

1.1 WLAN Control Operation

Connect Smartphone to USR-HTW's wireless network
 Open the settings, find USR-HTW in WLAN, connected to the network, as shown below.

••••••中国移动	@ Ø 35% ∎_>	●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●	
Tenda_0FC678	a	WLAN	
Tenda_317AD0	a ? (i)	USR-HTW	? (j)
TP_LINKE_USR_T	₽ ╤ (j	CHOOSE A NETWORK S	
TP-LINK_14D24E	₽ 중 (j)	bolin	a ≈ (j)
USR-HTW	? (i)	CHAPAI	₽ ╤ (j)
USR-WIFI232-G2	? (j)	CMCC	₹ (j)
WP3-shaohui	? (i)	D_LINK_USR_TEST	₽ ╤ (j)
Other		guangyingyouxi	₽ ╤ (j)
		HF-A11x_AP	? (i)
Ask to Join Networks		LBQ_TEST	? (j)
Known networks will be joined a If no known networks are availa have to manually select a netwo	automatically. ble, you will ork.	LBQ-TEST-WP3	≎ (j)

2. Open LonHand software. Slide to the fourth page, click on start button.





3. Control menu

Enter the Devices, find the USR-HTW, click the USR-HTW tab, enter into the control menu.



4. Control Test

User can monitor the USR-HTW now.





1.2 Equipment Network Settings

1. Open LonHand software, refresh the equipment list, click device icon, select Login device.



2. Enter the default user name and password (admin) into pop-up window , enter the fast setting page. The web Webpage default is Chinese Webpage, users can click on the English to switch to the English Webpage.



•••••• 中国移动 夺 9:20	・・・・・中国移动
Authentication	Les Ited Fast Get Past Mark Past State Past Mark Past Mark P
admin	Asset Republic Restore Restore
Cancel OK	Jinan USR IOT Technology Limited <u>http://www.usr.so</u> Support: tecijinar:n= <u>66531-55697287</u> Wob Vert 1.0
QWERTYUIOP	
ASDFGHJKL	
◆ Z X C V B N M ≤	
123 space return	

3. Click Scan router to get the router information list, and then select the router which want to connect, click OK.



4. Input router passwords, save it, and then restart.





5. USR-HTW will connect to the router automatically after restart, the blue indicator will light up.

1.3 Remote control

1. After USR-HTW connected to the router, please let mobile phone also connect to the same router. Select the user center in LonHand software, register remote control account, and then login in.

••••• 中国移动 🗢	9:50	Ø 54% ■				中国移动 🗢	9:48	0 54% E
	User						User	
After loading de	evices can be s	synchronized	Account	Up to 8 characters			4	
^_^ [Experience Acc	ount]:youren [Pas	sscode]:youren	Password	Up to 8 characters		Save	activated devic	es
Account	Up to 8 ch	aracters	Email			Get a	ctivated device	es l
Password	Up to 8 ch	aracters				Personal		>
🔿 rem	nember pass	sword			Ô	Account		>
O Aut	o Login				ø	Notificatio	'n	>
	Login	Register			Q	Devices o	n server	>
0	-	••••	Register	Cancel		0	*	•••

2. Return device interface, refresh the list of equipment, can see the USR-HTW equipment. Long press equipment information icon, click activate.





3. After activate the device, click get activated devices in the user center. Then disconnect the wireless network, using 2G/3G Internet,, refresh the equipment list, you can see the device icon into a remote icon, now you can control the devices via internet.

••••• 中国移z	n ≈ 13:52 Devices	● ● 56% ■
915. 285 9 0000	USR-HTW D8-B0-4C-E0-0E-79	3
C	2	
Devices	User	More



2. Product Introduction

2.1 Product Description

The USR-HTW is wireless temperature and humidity transmitter, which is WIFI branch of LonHand series product.

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-HTW 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. Users 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, users can make full use of your original product without more costs for you.

2.2 Details

1001011	est in a unified usie
Mechanical Dimensions	86*86*28mm (L*W*H)
Working voltage range	DC 5-24V
Power consumption	Typical: 1W Max: 2W
Working temperature	-20-70 °C
Working humidity	$0\sim$ 99.9%RH non-condensing
Temperature measuring	-40-80 °C
range	
Temperature measuring	±0.4℃
accuracy	
Temperature measuring	0.1°C
resolution	
Humidity measuring	0~99.9%RH
range	
Humidity measuring	±2%RH (25℃)
accuracy	
Humidity measuring	0.1%RH
resolution	
Installation	wall mounting type
Preservation	temperature : 10-40 °C
environment	Humidity: <60%RH
Packing List	USR-HTW*1

Table.1 USR-HTW Parameter table

	2 eradit settings
Network Mode	AP
AP SSID	USR-HTW
AP Password	null
Device Name	USR-HTW
Device Password	admin
Webpage address in AP mode	10.10.100.254
Account / Password of Webpage	Account : admin
	Password: the same to Device Password

Table.2 Default settings

Typical application:

Communication base station, archives, warehouse, lab, factory, workshop, machine rooms, museum, library, hospital, hotel, restaurant, house and so on.

2.3 Indicator and Key Function Introduction

- A. Indicator light
 - Red indicator light: The relay switch indicator in Normal work;

Indicates the action which will execute when Key is long press;

- Blue indicator light: Network connection status indicator.
- B. Refresh key
 - Short Press(0~3s): Relay on or off
 - Long press(great than 5s):

Release the key when the red indictor light blinks, the device will return to factory settings, after 5~10s, the device information will be the default settings.

• Temperature max:

Display the max value in last 1 hour after you press it.

• Temperature min:

Display the min value in last 1 hour after you press it.

• Humidity max:

Display the max value in last 1 hour after you press it.

• Humidity min:

Display the min value in last 1 hour after you press it.

3. Instructions for Use

Connect the wireless router via Webpage configuration. Other computer operating system can

refer to this configuration process. The configuration, require the computer has a wireless network card.

1. The HTW's default work mode is AP mode. After the HTW work, double-click wireless network

button

to get the wireless list.

2. Find "USR-HTW" and connect it.



3. Open the Website of HTW, IP address: 10.10.100.254.

p misa parua a li n		
🐔 Cannot find server - Microsoft In	ternet Explorer	
<u>File Edit View Favorites Iools H</u>	elp	
🕒 Back 👻 🕑 👻 📓 🐔	🔎 Search 🤺 Favorites 🚱 🔗 🍓 🗔 🖓	
Address 10.10.100.254		💌 🔁 Go Links
The page cannot be The page you are looking for is cu site might be experiencing technic to adjust your browser settings.	Connect to 10.10.100.254 ? X	
Please try the following:	User name:	
 Click the Refresh button. If you typed the page addr sure that it is spelled correc To check your connections and then click Internet Op tab, click Settings. The set provided by your local area Internet service provider (I See if your Internet connections 	Password: Remember my password OK Cancel on settings are being detected.	
You can set Microsoft Windov and automatically discover n your network administrator H 1. Click the Tools menu Options .	vs to examine your network etwork connection settings (if nase enabled this setting). , and then click Internet	🔮 Internet 🥐

Picture.1 Login the web

4. Input the account and password, default: admin,admin.



2

遊署,Mozilla Firefox											ſ	a	X
'件(F) 编辑(E) 春看(V) 历史(S)	书袋(B) 工具(T) 帮助(H)											
设置	+												
🗧 🛞 10.10.100.254/index_en.html						🕞 🏫 📕 🔻 C 🛛 🙀 - 百度 <0	Itrl+K>	P	۰ ا	n 5		1 - 1	Ð
9													^
						中文 English							
	🧹												
	Lon Hand			0 D									
	Fast Set			Scan Ro	uter								
	Work Mode												
	STA Setting												
	AP Setting												
	System												
	Account												
	Upgrade SW												
	Restart												Ξ
	Restore												
			liner HOD IO	Taskaslamili	unite al falles (
			Suppor	: tec@usr.cn +86	6-531-55507	297							~
				W/oh V/or 1	1.0					II and			

Picture.2 Enter the web

5. Click Scan router to get the router information list, and then select the router which want to connect, click sure.

● 故置 - Mozilla Firefox 文件(E) 編編(E) 查看(V) 历史(S) 书签(B) 工具(I) 帮け 设置 +	p(H)		_ 8 ×
Lon Hand Fast Set Work Mode STA Setting AP Setting System Account Upgrade SW Restart Restore	Please select your current vireless netwo Site Survey Site Survey Site Survey BSR0 ACCF 23 29 82 B1 URSRVL1_6280 ACCF 23 29 82 B1 TP_LINKE_USR_TEST D6 150 C6 38 14 USR-WL1_6280 CH448 60 CH42A1 D6 B0 4C; F446 48 USR-WL1_5048 ACCF 23 2950 A2 14D24E_2X8 1C FA 68 12 2E 59 123466 20 CD 39 67 1D 92	● ☆ ■ ▼ C () - 百度 <ch+k> 中文 English rk RSS (Channel) 100 1 30 1 100 11 30 11 Refresh</ch+k>	♪ @ · ☆ · □ □ □ □ · □
	Jinan USR IOT Technology Limited ht Support: tec@usr.cn +86-531-554 Web Ver.1 1.0	t <mark>p://www.usr.so</mark> 507297	• = < 6 6 0 1

Picture.3 Scan router

6. Input router passwords, save it.



→ 按置 - Mozilla Firefox 文件(E) 编辑(E) 查看(V) 历史(G) 书签(B) 工具(T) 帮助	(任)		- 7 🗙
设置 +			
		○ 合 ■ マ C N = 百度 <ctrl+k></ctrl+k>	
		中文 English	<u></u>
Lon Hand			
Fast Set	Network Name (SSID) Note: case sensitive	TP LINKE USR TEST Scan	
Work Mode	Encryption Method	WPA2PSK 💌	
AP Setting	Encryption Algorithm	AES 🔽	
System	Password	Show passwords	
Account			
Restart		Save	
Restore			
	Jinan USR IOT Te	echnology Limited http://www.usr.so	
	Support. te	Web Ver 1 1 0	

Picture.4 Input the router password

7. Restart HTW.

♥		- 8 🛛
文件(E) 编辑(E) 查看(V) 历史(S) 书签(B) 工具(T) 帮助(H)		
T ()) (10.100.254/index_en.html	♀ ☆ ■ ▼ C ○ ※ ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	<u> </u>
Lon Hand Fast Set Work Mode STA Setting AP Setting System Account Upgrade SW Restart Restart	中文 English Saved Successfully! Configurations will take effect after restart. After restart, you will need to re-login the configuration interface for other setting, so it is ecommended to restart after completing all settings Plass click (Festart) for restart now, or click (Back) to continue setting You can restart after all configuration.	
	Restart Back Jinan USR IOT Technology Limited http://www.usr.so Support tecigroup 1 of thtp://www.usr.so Support tecigroup 1 of the second	



HTW will connect to the router automatically after restart, the blue indicator will light up. Now you can control HTW via internet. The detailed operation please refer to the manual of LonHand.



4. LonHand of Windows Introduction

The computer and USR-HTW need to connect to the same router. The detailed operation please

refer to the manual of LonHand.

1. Open the LonHand software



Picture.6 LonHand interface

- 2. The software will search HTW automatically. If you don't see HTW in software, please click C to search again.
- 3. After searched HTW, you can see the information as following. If the WIFI symbol is gray, means HTW is not connected to computer. If the WIFI logo is blue, means HTW is connected to computer.



Picture.7 Device list

4. Click HTW,enter into control menu.







The control menu displays the values of temperature and humidity.

5. Remote control

First, 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.

F Smart lot for Windows V1.0 Beta	082
👤 Unlogged	User
合 Device	
🚺 User	Login
🔎 Message	Account: ×
Here More	Password:
CN EN	

Picture.9 User menu interface

Smart lot for Windows V1.0	Beta			
👤 BeMySky		User		
A Device	Account Infor	mation		
🚺 User		Change password	Log out	
Message	Cloud service	95		
		Manage cloud devices		
I More		Synchronized to local	Synchronized to cloud	
	Feedback Inf	ormation		
		Feedback	J	
	User informat	ion		
	Account:	BeMySky		
	NickName:	邵慧test		
CN EN	Email:	sun_working@126.com		

Picture.10 remote account management interface

6. Active HTW

Return device interface, refresh the list of equipment, can see the USR-HTW equipment. Click , then click active. After active device success, click Synchronized to local, refresh the equipment list, you can see the device icon into a remote icon, now you can control the devices via internet.



👤 Unlogged	C	Device	± 6	Э	Contro	L [[] ()
襘 Device			Device	setting	×	
🗘 User		Name:	USR-HTW	×	Change	40.4
Message		Password:	Old: New:	((((Change	28.8
E More		Activation:	Can remote o	control device	Activation	
		Image:	e	115 285 10 010*	New Image Change	
CN EN						

Picture.11 Active device





Mobile phone remote control refer to the first chapter or the manual of LonHand.



Contact Information

Company:	Jinan USR IOT Technology Limited
Address:	1-728, Huizhan Guoji Cheng, Gaoxin Qu, Jinan, Shandong, China
Tel:	86-531-55507297 86-531-88826739-803
Web:	http://en.usr.cn
Email:	sales@usr.cn, order@usr.cn

Disclaimer

This document provides information about USR-HTW, this document does not grant any license to intellectual property rights. Except the responsibility declared in the product sale clause, USR does not assume any other responsibilities. In addition, USR does not make any warranties for the sale and use of this product, including the suitability of the product for a particular purpose, merchantability or fitness for any patent, copyright or other intellectual property infringement, etc. USR may make changes to specifications and product descriptions without notice.

Update History

- V 1.0 06-30-2014. First Version
- V 1.1 10-15-2014. Some functions have been changed, that contents are revised

<END>