

Wi-Fi to Remote (RF Converter) User Manual YET6956W

1. Product Overview

YET6956WFRV2.0 is a Wi-Fi to remote RF signal converter. Support fixed code, learning code and most brands remote control, support a variety of remote control frequency bands of SUB-1G (240MHZ-930MHZ). This product makes it possible for the mobile terminal to remotely control the remote control device.

2. Product Feature

- ✓ The device supports multiple brands of remote controllers, and generates remote controllers directly through the APP brand selection list. Unknown brands can identify and add brand remote controllers through custom methods. (Support brand detailed reference list)
- ✓ The device supports copy universal fixed code and learning code to generate remote controller.
- ✓ Remote control long distance: support SUB-1G multi-frequency(240MHZ-930MHZ), RF remote control signal is stable and long distance.
- ✓ Support one-button identification: support one-button identification, whether the customer's remote control frequency and code type products support.
- ✓ Remote control: The mobile terminal can remotely control the remote control device to have the more convenient experience.
- ✓ Support one-click connection network: Simple access to the network, easy to operate.
- ✓ Remote management is simple: a single converter device can match multiple controllers of different brands, and the APP can delete and rename different brands of remote controllers.
- ✓ Support for power-off memory function: After the converter and controller learn for one time, the converter does not need to relearn the remote control (that is, the converter and controller pairing code only need to be once)

Support the model, frequency and speed of the remote control brand (some brands remote control have no oscillation resistance)

NO	Brand Name (Model)	Sending type	Oscillation Resistance	Frequency (MHz)
1	Custom (Copy)	Fixed code and learning code	Auto Recognition	Auto Recognition
2	BENENCA(TO GO-WV)	Rolling code	No	433.92
3	DOORHAN(TRANSMIT TER4mmaster 2 pre)	Rolling code	No	433.92
4	KEY	Rolling code	No	433.92
5	QBD	Rolling code	No	433.92

6	NICE(NICE Flex-s)	Rolling code	No	433.92
7	DEA	Rolling code	No	433.92
8	PFC(Cim)	Rolling code	No	433.92
9	FADINI	Rolling code	No	433.92
10	EQUO	Rolling code	No	433.92
11	Sommer	Rolling code	No	433.92/868.8
12	HORMAN EcoStar (EcoStar R5C3-433)	Rolling code	No	433.92
13	V2	Rolling code	No	433.92
14	ATA-PTX4(PTX4)	Rolling code	No	433.92
15	Meterline	Rolling code	No	868.8
16	Censtar(NOVA)	Rolling code	No	433.92
17	HiLand	Rolling code	No	433.92
18	FAAC (XT4433RC XT3433RC XT4868RC XT2868RC)	Rolling code	No	433.92/868.8
19	YET	Rolling code	No	433.92
20	BFT(Type B RCB)	Rolling code	No	433.92
21	Alusseh AT-4(AT-4)	Rolling code	No	433.92
22	NICE SMLIO(NICE SMLIO)	Rolling code	No	433.92
23	CAME TOP NA (TOP-432NA)	Fixed code	No	433.92
24	CAME TOP EE (TOP-432EE)	Fixed code	No	433.92
25	CAME TOP EV (TOP-432EV)	Fixed code	No	433.92
26	HS1527	Learning code	270K	433.92/315/330
27	HT6920D	Learning code	2.2M	433.92/315/330
28	SMC3326	Fixed code	620K	433.92/315/330
29	PT2262	Fixed code	4.7M	433.92/315/330
30	AUSTDOOR	Rolling code	No	315
31	F2	Rolling code	No	365
32	6225 V6	Rolling code	No	365
33	YS-1892R	Rolling code	No	336
34	YH-1A2	Rolling code	No	315
35	YH-1B2	Rolling code	No	315
36	HY-26LLC	Rolling code	No	346.5
37	JS-N23AA	Rolling code	No	336
38	SJ-2010	Rolling code	No	433.92
39	HD-0875-009B	Rolling code	No	365
40	YH JS979-AA	Rolling code	No	433.92
41	HS JS979-AA	Rolling code	No	365
42	TY JS979-AA	Rolling code	No	365

Equipment Electrical Parameters

Input voltage	DC5V
Standby power	<1W
Working frequency	WiFi: 2.4-2.48GHz RF remote: 240MHz-930MHz
RF maximum power	20dbm
RF remote receiving sensitivity	20dbm GFSK -121dbm 60dbm GFSK -105dbm 60dbm OOK -105dbm
WiFi receiving sensitivity	802.11 b:-91dBm(11Mbps) 802.11 g:-75dBm(54Mbps) 802.11 n:-72dBm(MCS7)
WiFi transmission power	802.11 b: +20 dBm 802.11 g: +17 dBm 802.11 n: +16 dBm
Encryption type	WEP TKIP/AES
Security mechanism	WAP/WAP2
Working environment	Temperature: -10℃~+70℃ Humidity: 5%~95%
Storage temperature	Temperature: -20℃~+70℃ Humidity: 5%~95%
Dimension	2.67*1.96*0.29 (mm)
Supporting mobile phone system	Android 5.0 IOS10.0 and above

4. Product installation instructions

Use the power cord of this product to connect to the USB female DC5V power plug, and place the product vertically or horizontally on the surface of non-metallic objects. When the electric buzzer is installed and a beep is heard, the power supply is normal, the power indicator (red indicator) is always on. At this time, the device starts normally and you can perform the next step.

5. Product Instructions

Short light touch button Wi-Fi three times to enter the network access status (the green indicator flashes quickly)

Indicator light (connect success / power operation status indicator)

TEST button (turn on recognition if need to add a remote control to support)



Wi-Fi To Remote RF Converter

5.1 Product operation and instructions

Light touch button

- ✓ Connect Internet function: short press the touch keys Wi-Fi three times into the net, with APP users operate to complete network access.
- ✓ Remote control test function: Short press the touch button TEST. When the RF converter rings one time, long press any button on the remote control and close to the RF converter until the RF converter rings three times, indicating that the device supports the remote control addition. If the RF converter makes a long beep, it means that the device does not support the remote controller.

Signal indicator

- ✓ Power-on status: red light is always on.
- ✓ Network access status: The green light flashes quickly.
- ✓ Normal working status: The green light is always on when the APP button is pressed, and the red light is always on when the APP button is released.
- ✓ Restore factory configuration/delete device: The green light flashes quickly.

5.2 APP Instructions

5.2.1 APP Software Download And Installation:

Android System APP Installation

Users can search for keywords through the "Android Application Market" platform: "Yaoertai" and "Safemate", download the latest version of "safemate" software, and follow the prompts to complete the installation of APP software; Can also be downloaded by scanning the corresponding QR code below:

IOS system APP Installation

IOS users can search for keywords through the "App Store" platform: "Yaoertai", "Safemate", download the latest version of "Safemate" software, and follow the prompts to complete the installation of the APP software; Can also be downloaded by scanning the corresponding QR code below:

(To install and use the APP for the first time, you need to sign up for the account and then sign in with a successful registered account. Have an account to login directly.)

5.2.2 APP User Operation Manual

Run the APP software, login to the account and enter the personal center page, click the user manual to enter the user manual page, where you can select the operation content you want to know.

Account Management: You will be introduced to "New Account Registration, Account Login, Password Management, Email Configuration", etc.

Device Management: I will introduce you to "Add New Device, Device Classification, Device List Information", etc.

Location Management: Will introduce you to "Add new location, edit location, device location change or delete".

Device Control: It will introduce you to the "Application of Device Specific Operation" and so on.

Note: Will introduce you to the place where the device needs attention.



5.2.3 Add Device

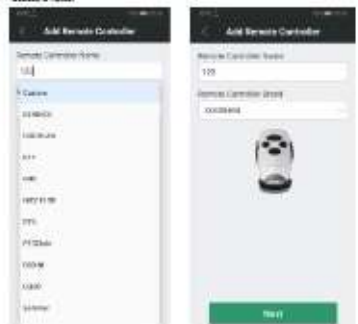
When you need to add a new device after the software is installed, you need to add an RF converter. The steps are as follows:

Click Add Device --> Enter The Wi-Fi Password And Confirm (Please press the Wi-Fi button on the controller three times quickly before entering the password until the indicator flashes quickly) --> Finish.



5.2.4 Add Remote Control

After adding the RF converter successfully, add the remote control as follows:
Click Add Remote Control --> Enter Remote Control Name --> Select Remote Control Brand (Some remote control brands need to set frequency, oscillation resistance, address bit speed) --> click Next.



5.2.5 Add A Custom Remote Control

Click Add Remote Control --> Enter Remote Control Name --> Select Custom (When the RF converter rings one time, press and hold any button on the remote control and close to the RF converter until the RF converter rings three times, indicating that the remote control is successfully added. If the RF converter makes a long beep, the remote control copy failed.) --> click Next (If the fixed code and the learning code remote control are required, repeat the above steps to add the required buttons one by one.)



5.2.6 APP control has added remote control to transmit RF signal

- ✓ After the remote control is created successfully, the converter needs to learn with the controlled device. The remote control learning of the converter is consistent with the original remote control. For example, the controller and the original remote control use a single button to learn, then the converter pairing controller also learns with a single button, otherwise the combination button is used for learning. (Fixed code and learning code remote control added by the custom copy do not need to learn with the controller again, and can directly achieve the same control as the original remote control.)
- ✓ Single-key transmission code: Long press any single function button to send code. (Press a single icon as shown below to implement single-key code)
- ✓ Combination button transmission code: According to the combination mode of controller remote control learning, long press the corresponding button on the remote control page to realize the combination key value transmission. (Press and hold multiple buttons at the same time as shown below to realize the combination key code)
- ✓ If the APP button icon and the original remote button icons are inconsistent after the remote pairing is successful, the button icons and name of the remote controller can be changed. (Note that the button icon and button name only play the button labeling effect, and do not change the code key value)
- ✓ Press and hold any button on the APP. After the phone vibrates, the green indicator of the RF converter will be on, and the converter will send the code synchronously. When the button is released, the red light of the converter will be on and the code will be sent. (The antenna next to the page remote control performs status feedback for the device, with the color being encoded by the device)
- ✓ The remote control controls the icons in the upper right corner of the page. Click to enter the remote control setting option list, you can view the remote control information, change the button icon, set the name, delete the remote control and other functions.



5.2.7 Delete Remote Control

Click the icons in the upper right corner of the remote control interface --> delete remote control.

6. Note

1. Please do not put the device in a closed corner, and the distance from the device to the router is within 100M to ensure normal communication. This can better ensure the stability of the device connection.
2. The device and the phone need to be connected to the same router when the device is added.
3. By pressing the TSET button to test the remote control, each time it is a long beep, check whether the remote control is kept at the required distance from the device, and whether the remote controller used is properly coded. (If the remote control makes a long beep during multiple tests, the remote control code format device does not support)
4. The number of remote controls can be added, the brand can add up to 50 remote controls, and the copy can add up to 5 remote controls. (Different brands have different data sizes, and the actual quantity is subject to actual addition)
- ✓ The remote control that is not needed is deleted as much as possible, leaving room for subsequent addition of the remote control.
- ✓ The remote control is out of quantity and the remote control cannot be added. Need to delete some remote controls and add them.
- ✓ The factory settings are restored on the APP and all remote control data can be cleared at one time.
5. The add device(device access network) timeout can perform the following checks:
 - ✓ Please make sure that 2.4 GHz WiFi equipment connection. If configuration failed, if connection will 3G network.
 - ✓ Set SSID hide button to open when adding device, and then configure device network.
 - ✓ Press the button for 3 times and the green indicator will flash to start the network distribution.