WIFI Audio Transmitter (USR-WA3)

File version: 1.2.0

Content

1. QuickStart

1.1 Hardware connection

Plug in the antenna, power supply, speakers to WA3, power on, see below picture:

2.2 Network connection（e.g. android）

Open the phone "Settings"—>"WLAN"（some mobile phone here "Wi-Fi"）,find "WIFIAudio_xxxx"(xxxx for random letters or numbers)，Click "connect"
As shown below:
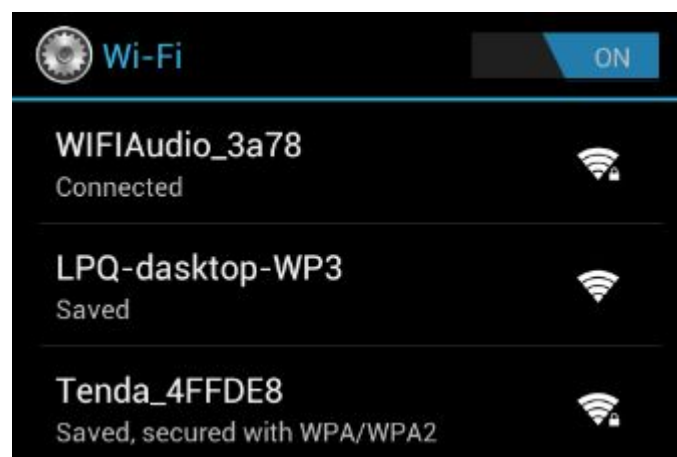
1.3 Phone choose wa3 play music（e,g, Skifta）

1.First single open software, if WA3 in LAN, can appear the following page.
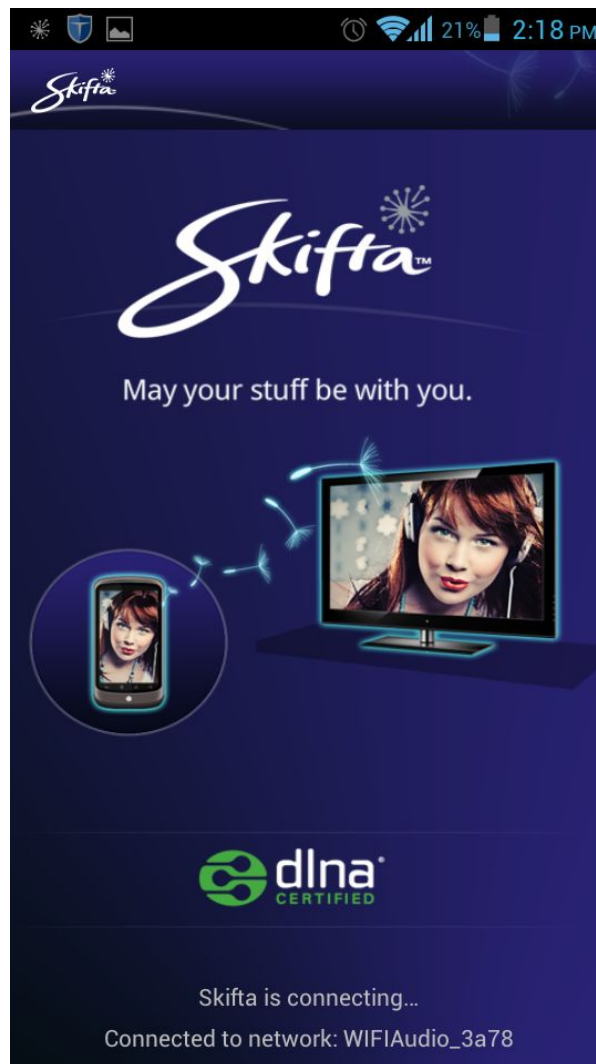
2.Then, the software will have the steps 1, 2, 3, prompt, as follows

1) Choose a media source: e.g.HUAWEI U9200
2) Choose a player: e.g. WIFIAudio_3a78
3) Finally choose to play the song

2.Instructions

2.1 Instructions

USR-WA3 is an audio transmitter which used to transmit music in smart phone, PC, ipad, iphone to speakers by DLNA or AirPlay protocol. Replace the previous audio cable transmission, transmit in digital audio in wifi network, improve the fidelity, to make better sound and father distance. One side is smart phone or PC, the other side is speaker, with simple settings to enjoy wonderful music.
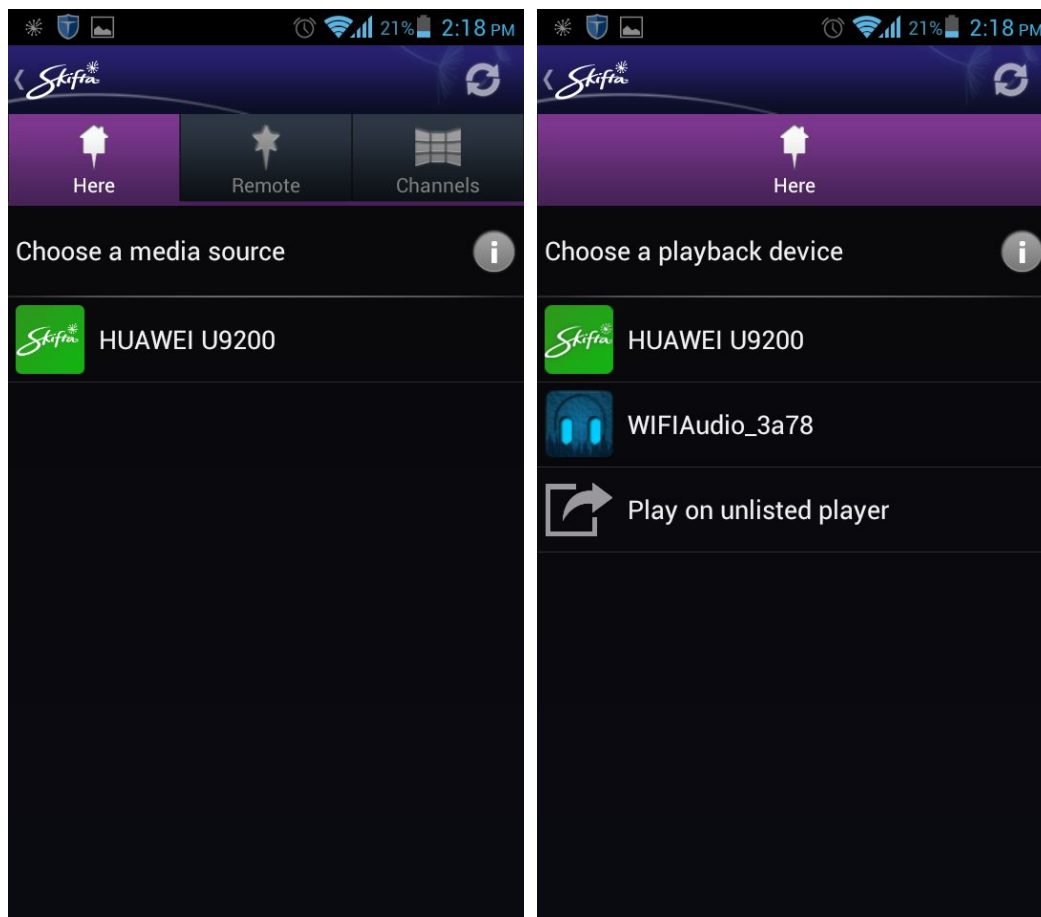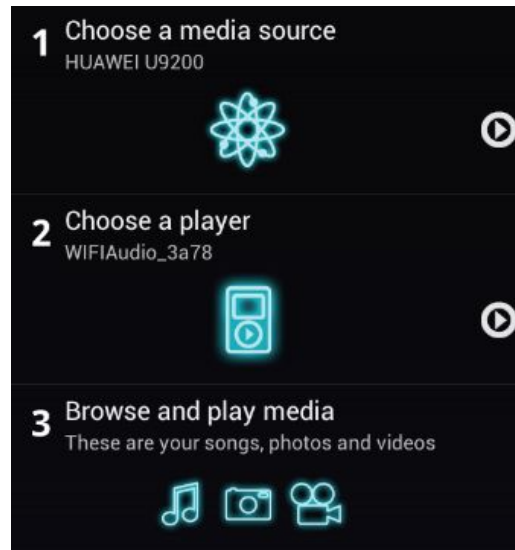
This transmitter support DLNA and Airplay protocol, all the softwares support these two protocol can be used.

2.2 Features

support 802.11b/g/n wireless standard

WIFI frequency range 2.412GHz-2.484GHz

5V power supply

Working current 150mA, 800mA when USB used for external power

Power 0.75W, 4W when USB used for external power

Size 110*80*25（mm）

Support AP+STA and AP+network port mode

Audio sample rate up to 192KHz

Support DLNA and airplay protocol

Supply the application software based on Android

Support wireless adjust the volume

Have been tested with Huawei, HTC, Lenovo, SAMSUNG, Iphone, etc.

Can use the DLAN software in Android market

Also applied for the Apple products(iMac, iPad, iPhone)

Transmit in digital signal in wifi network, transmission distance is much farther than traditional audio line

Routing function: WA3 connect to LAN, smart phone connect to WA3, can both play music and get on the internet.

2.3 Packing list

1) USR-WA3*1
2) 5V power adapter*1
3) Antenna*1
4) User CD*1

2.4 Bulk order/OEM/ODM

This product supports batch customization, including web interface customization, default parameter customization, OEM/ODM

3. Hardware connection network mode

3.1 As an AP and direct phone

Interface from left to right: antenna, restore, rj45, power, USB, sound.Corresponding to the sequence then good.

Open the phone "Settings"—>"WLAN" （ some mobile phone here "Wi-Fi" ） ,find "WIFIAudio_xxxx"(xxxx for random letters or numbers)，Click "connect"
As shown below:

So after operation, mobile wifi just joined WA3 wireless network, in accordance with section 1.3 next operation.

3.2 Connect the wireless router

Mobile phones in accordance with section 2.1 step will join the WA3 network (here also can use a computer to join WA3 network), and then through the phone's built-in web browser into the module,IP for "10.10.10.254" specific operation as follows

After entering the built-in web page, on the front page choose the name you want to join the network, if there is a password, the pop-up dialog

Enter the password and click "connect"，Take WA3 will join your router.Specific operation is as follows:
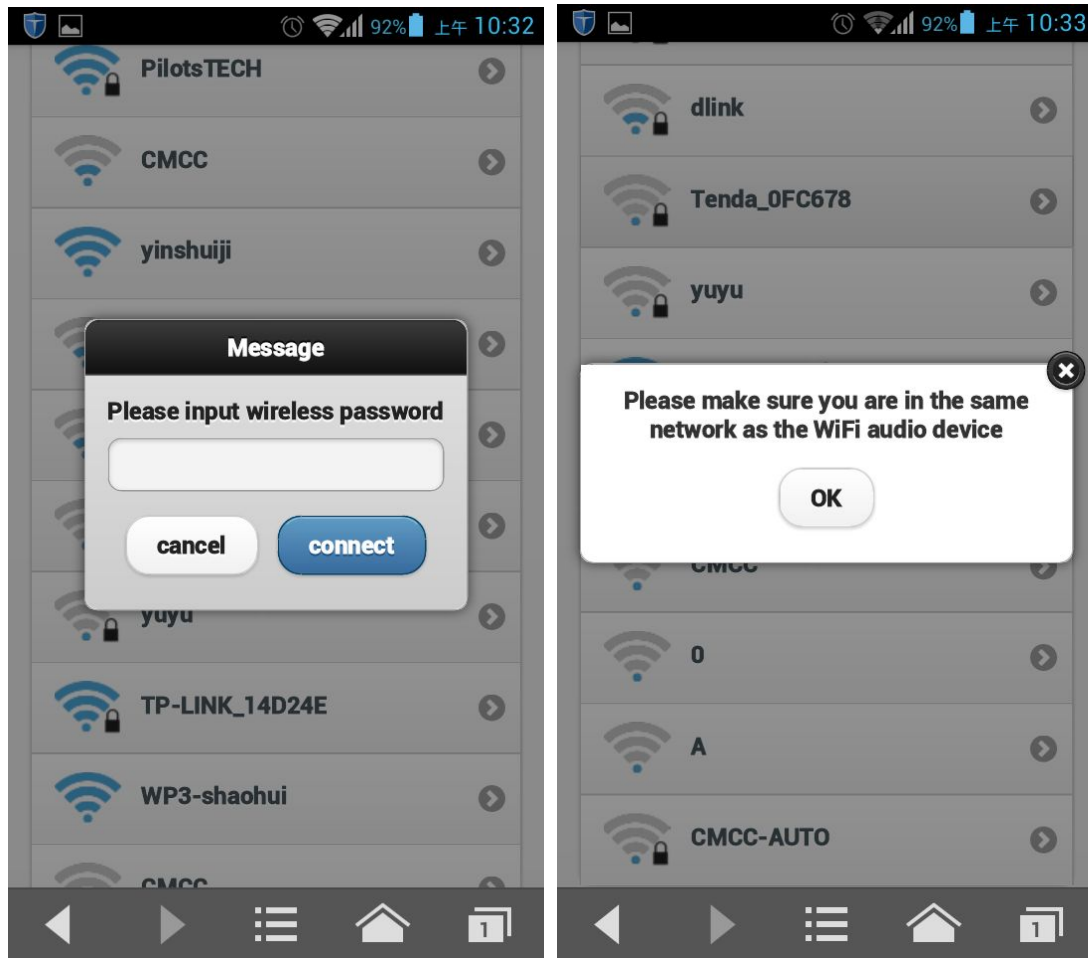
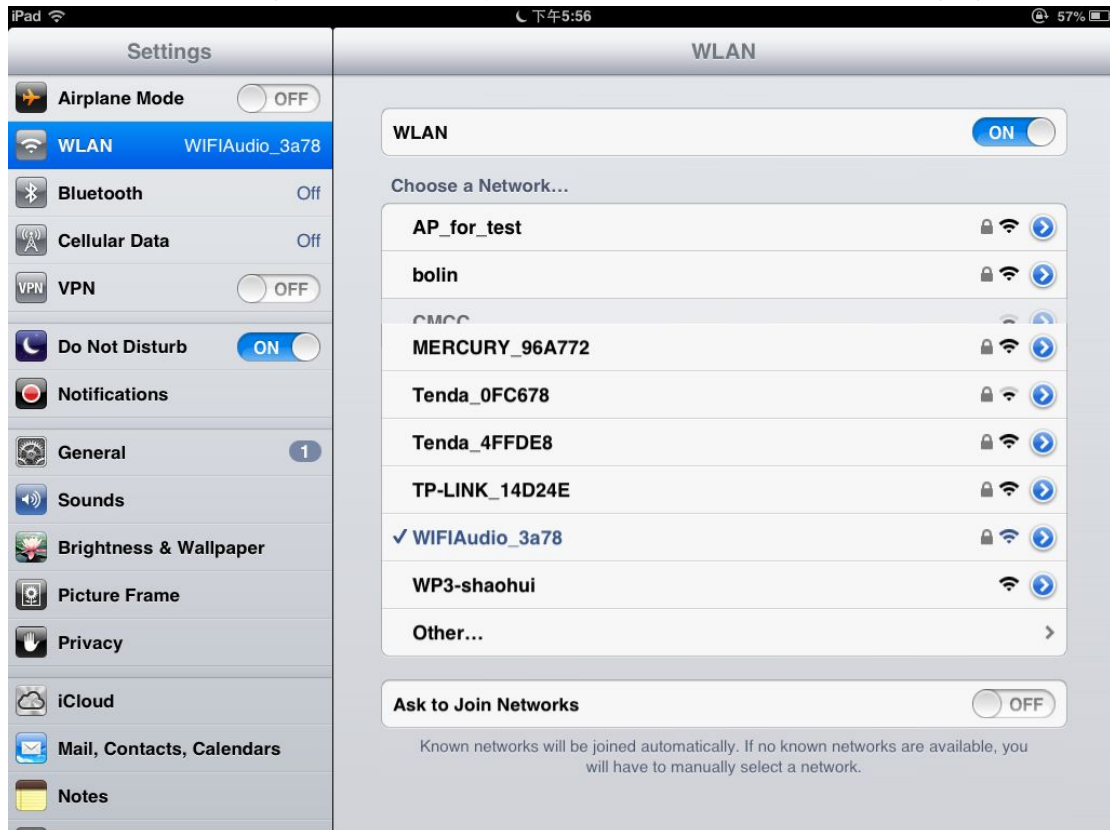If appear above the picture on the right, click "ok" to go.

4. Choose Player software

4.1 Iphone Ipad

1) 1) please make sure the phone has imported the songs.
2) Open the "Settings", find "WLAN" join "WIFIAudio_XXXX", the following figure.

3) Open the "Music", select "WIFIAudio_XXXX" (below mark position) in the lower right corner of the Options
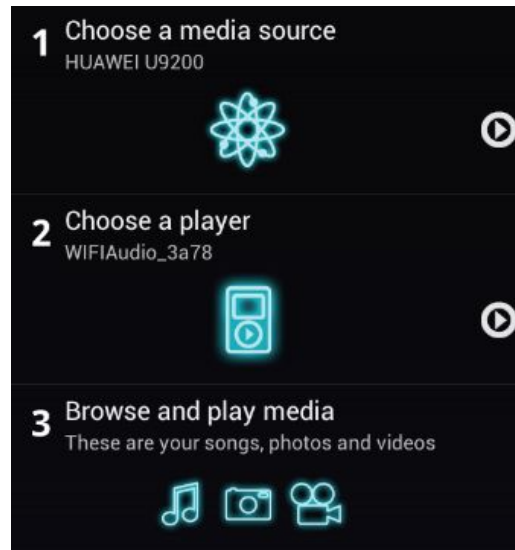
4)   the next click to play music.

4.2 Android platform（e,g, Skifta）

1.First single open software, if WA3 in LAN, can appear the following page.
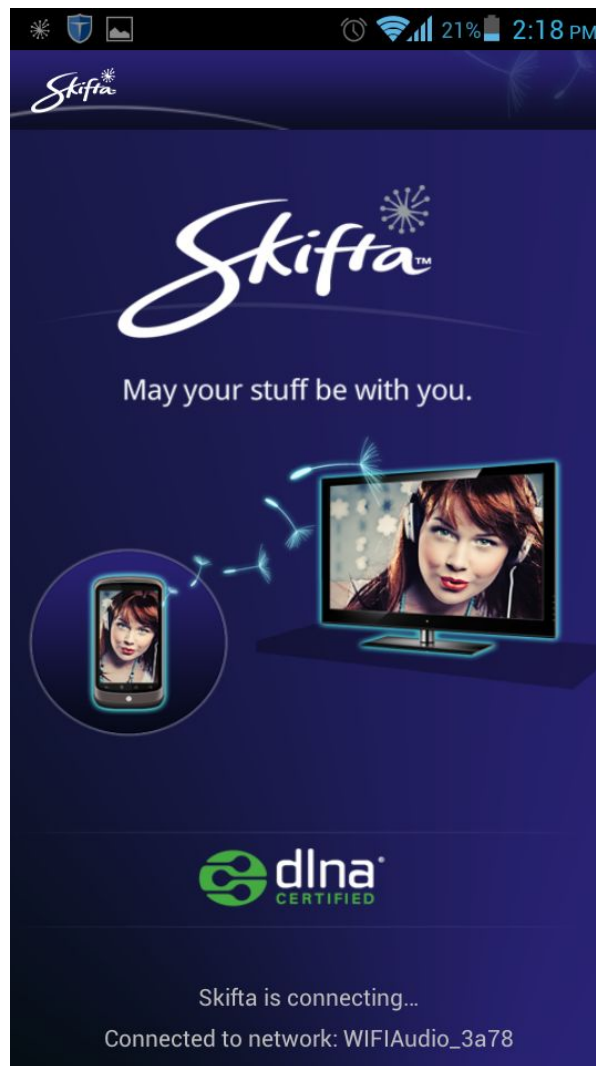
2.Then, the software will have the steps 1, 2, 3, prompt, as follows

3.Choose a media source: e.g.HUAWEI U9200

4.Choose a player: e.g. WIFIAudio_3a78

5.Finally choose to play the song
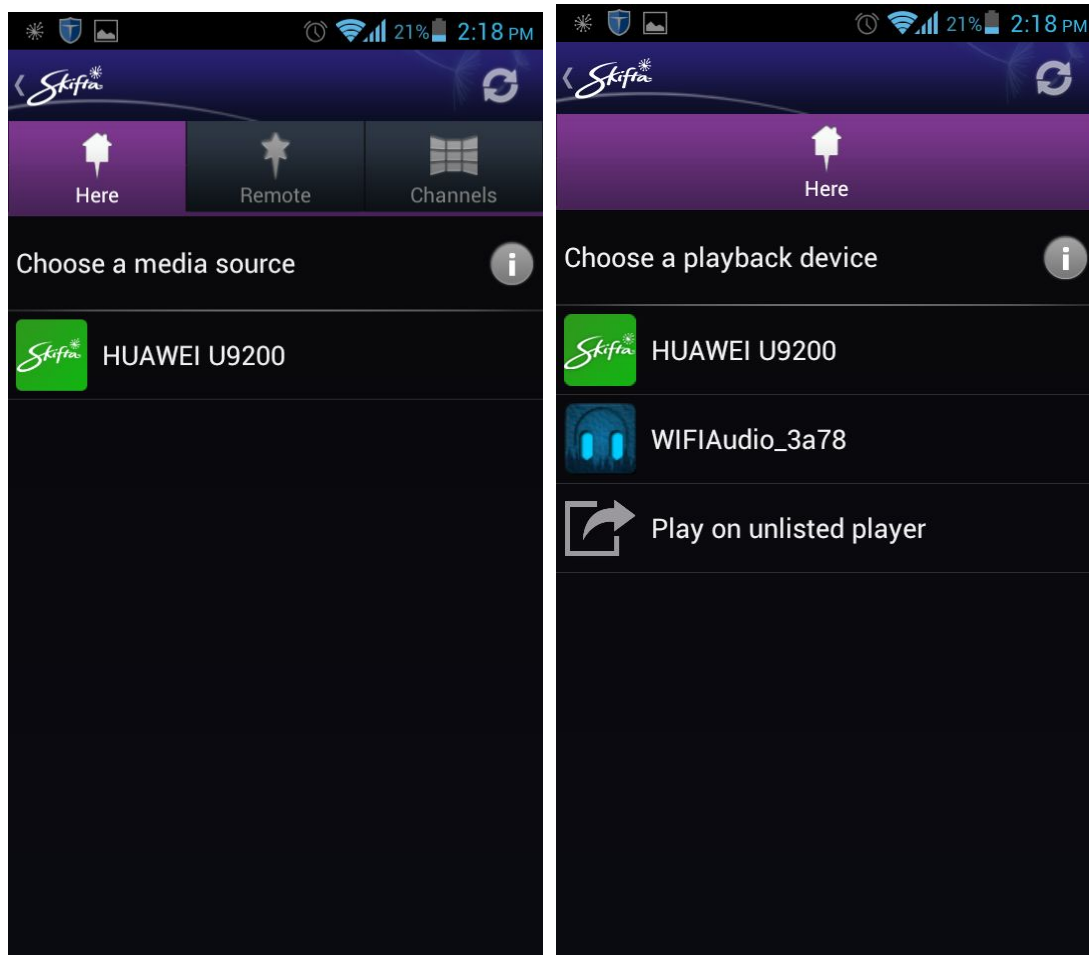
4.3 Windows platform

1) First connect the computer WA3 network (here to install a wireless network card's Windows 7 computer, for example).First click on the lower right corner of the desktop

   Internet icon ，In the pop-up list of wireless

   networks in the selection of our WIFIAudio_XXXX, and connected, as shown below

2) Now download iTunes software, and installed on the computer.The installation process has been click "next" (N).

3) after the first open software, are as follows.
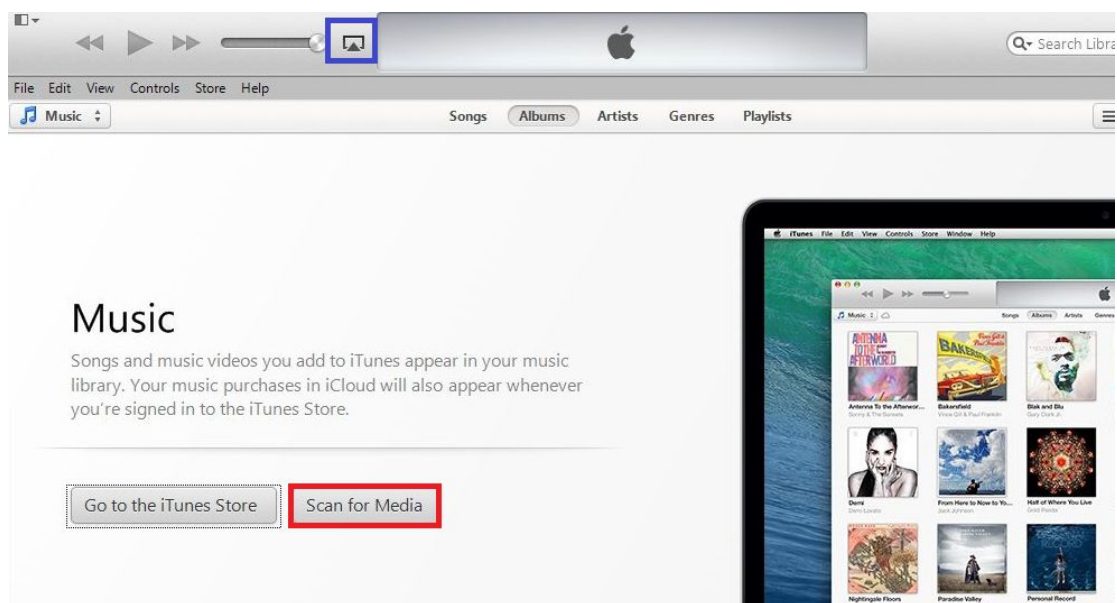
4) Click above the red tag "scan media", the software will automatically search the inside of the computer music files.Then click on the blue mark area above, in a pop-up box to choose our WIFIAudio_XXXX, detailed below

5) Click on the music, WA3 will play music you selected。

4.4 Support the APP list

4.4.1 The apple app list

APP	instructions
QQ Music	Support play, pause, and volume control, a song, the song;Support the local music and music online
Baidu Music	Support play, pause, and volume control, a song, the song;Support the local music and music online
Local music	Support play, pause, and volume control, a song, the song;Support the music online
iTunes	Support play, pause, and volume control, a song, the song;Support the local music and music online

Note: Apple product, you can open the entire sound system to the WA3.

4.4.2 The android app list

APP	instructions
QQ Music	Support play, pause, and volume control, a song, the song;Support the local music and music online
Skifta	Support play, pause, and volume control, a song, the song;Support the music online
BubbleUPNP	Support play, pause, and volume control, a song, the song;Support the music online
kugoo	Support play, pause, and volume control, a song, the song;Support the local music and music online
Twonky	Support play, pause, and volume control, a song, the

	song;Support the local music and music online

4.4.3The Windows app list

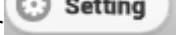| APP	instructions
iTunes	Support play, pause, and volume control, a song, the song;Support the local music and music online
Windows Media Player	Support play, pause, and volume control, a song, the song;Support the music online

4.5 Support music format and code rate

format	Sampling rate	Bit rate	instructions
Mp3	48000	192k	support
wav	48000		support
wma	48000	192k	support
aac	48000	128k	support

5. Common problems

5.1 Modify the web language

First, using a mobile phone or a computer connected to the network of our WA3 (WIFIAudio_XXXX), please refer to the previous section, the connection is successful, the browser input 10.10.10.254 module built into the page.

After entering the page, click on the upper left corner [Setting] key,Enter the Settings page, page is as follows:

Click on the "System" to enter the System under the bar，click on the "Languge" - > "English"，the choice of in the pop-up box, choose "Chinese", finally click a button.Specific process is as follows:

Click the "Save", page will automatically refresh the page, switch to the Chinese, and then open the web page, is Chinese.

5.2 Change the password and the wireless network name

1) Change the password

First using a mobile phone or computer on our WA3 network (WIFIAudio_XXXX), please refer to the previous section, after the connection is successful, in the browser input 10.10.10.254 into the module's built-in web pages.After entering the page, click the button in the upper left corner .Enter the Settings page, page is as follows:

Next click the red area above "Network", enter the "Network" Settings page

Click on the "Open" in the red areas, right above the popup selection box, such as the picture on the right, select encryption "WPA PSK", and enter the password in the

password input box below.

Process is as follows:：
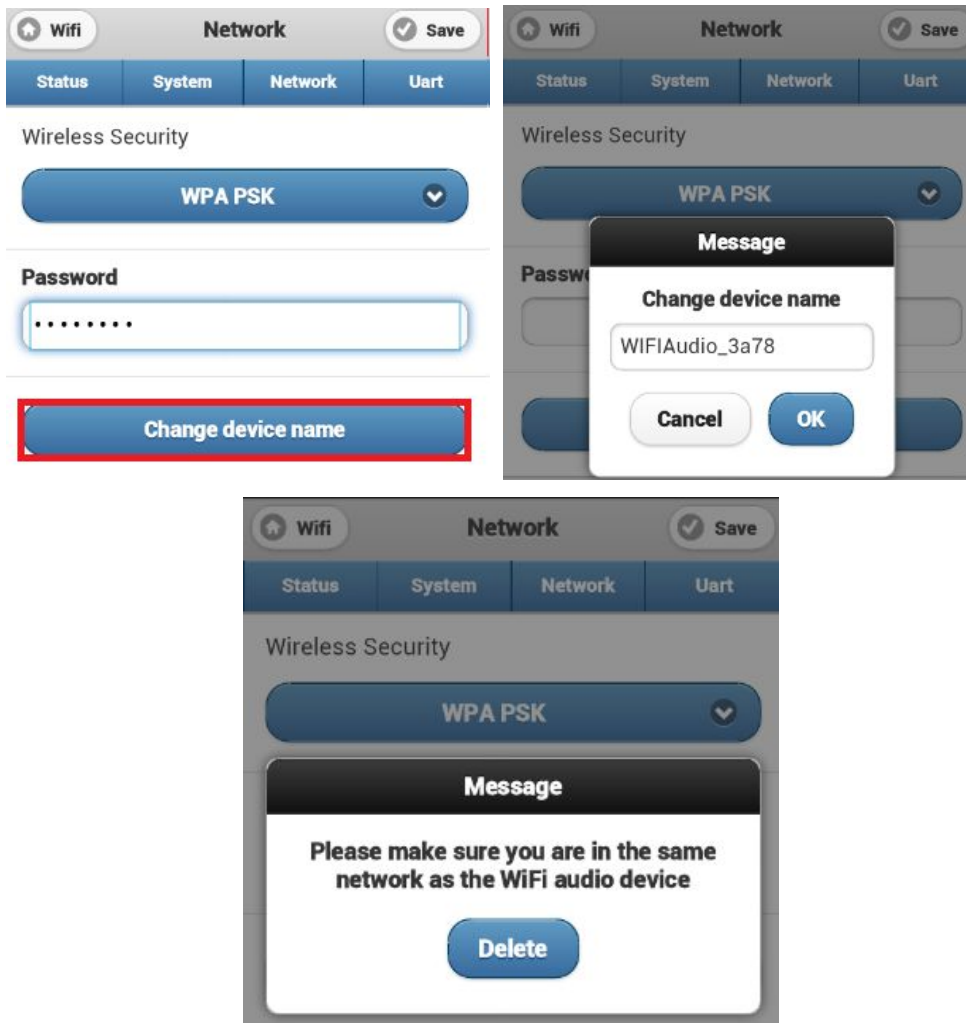

Finally, click on "save" in the red areas of above, and save the parameters, can appear after clicking on the following prompt, click "delete".

2) Modify the wireless network name

Part into the "Network" keep up with the chapter, go here, enter the "Network", click "Change device name", and in the pop-up dialog box enter your new network name.With reference to specific process below:

After click "OK", will appear above the message, click "Delete".

5.3 The distance of WIFI

This product after the FCC certification and CE certification, the wifi wireless distance under the condition of the stadia can reach about 200 m, according to the environment will have corresponding reduce indoors.

5.4 WIFI speaker or bluetooth speakers

Wifi contrast with Bluetooth, wifi data transfer rate is higher, 150M bandwidth fully meet the needs of lossless music transfer, waveform distortion and loss of detail does not exist break off both ends, better immunity, had higher audio indicators and can pass through the wall, so it is considered high-quality wireless music playback ideal technology.

Of course,wifi is not perfect,from a security perspective, bluetooth one-to-one transmission privacy better, wifi in users more cases, are easy to be interference.

Overall, the advantages of Bluetooth portable music player market, will become intelligent

terminal peripherals; while wifi advantage in networking solutions, home entertainment, engineering, sound system, high-quality cloud point of the music is its force.

6. Contact

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7.Version Update

V1.0.0 First edition   2013-07-03
V1.0.1 Upgrade to firmware "WIFIAudio.1.2.1373", modify webpage.   2013-08-02
V1.1.0 Upgrade to V1.2.2073, modify webpage out of date, modify the webpage compatibility with browser, modify the fluency of airplay.   2014-02-08
V1.2.0 Upgrade to V1.2.2137, modify the noise when switch songs   2014-03-24