# **Operating Instructions**

3-in-1 Portable WiFi Media Box

Model: PTA8915C<sup>2</sup> Date: 30Oct, 2013



# Contents

Product Overview	1
Introduction	
Key Features and Benefits	2
Specifications	6
Package Contents	8
Hardware Interfaces	Ç
Hardware Connection	12
Products Operations	15
Connect to WiFi-Music	15
Product Settings	16
Playing Music Wirelessly	26
Creating WiFi Hotspot	30
Accessing WiFi Storage	33
Tips and Troubleshooting	
Best Locations for WiFi-Music	
Avoiding Interference	
Problems and Solutions	

# **Product Overview**

### Introduction

WiFi-Music is a portable WiFi speaker adapter with WiFi hotspot and storage functions. It lets you play the music on your phone or tablet wirelessly on any third-party WiFi-Music-enabled speaker. No cable or dock necessary. By connecting to the audio jack at WiFi-Music, your existing audio system is upgraded to work seamlessly with smart devices. Your expensive audio equipment investment is instantly secured by WiFi-Music.

It can be used as a wireless router, set inside a wireless connection on the external wireless network, network and then share it with other users.

It lets you create your own personal cloud storage space to share your favorite content in your USB storage with your favorite people. There is no need to worry about running out of space on your mobile devices anymore.



# **Key Features and Benefits**

### Hi-Fi over Wi-Fi

just music! technology streams music wirelessly over standard WiFi networks.

This capability can be built directly into home stereos, computers, and TV's, so you can stream pure, bit-for-bit, lossless music from your smartphone or tablet to any home audio system, wirelessly. It's Hi-Fi Over Wi-Fi.



# Supports Multi-platform

just music! supports connection with multiple wireless devices, including iPhone, iPad, Android smart phones, tablet, computer and other equipments.

Then each of your devices will get the best connection to play music on speaker, surf internet, share USB media files or set the product wirelessly.



# WiFi Storage

Built-in WAN port making the cable broadband convert to WiFi at hotel and home, it also let more people surf the internet under the WiFi coverage area.

You only need to insert the Ethernet cable to the WAN port of just music!, and after easy WAN operations, you will go to internet wireless with you phone, tablet or computer.



# Works with Existing Speakers

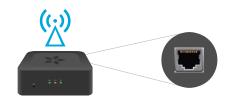
By connecting to the audio jack at just music!, your existing audio system is upgraded to work seamlessly with smart devices. Your expensive audio equipment investment is instantly secured by just music!. You have the flexibility to use almost any pair of powered speakers you like. just music! for WiFi audio devices to your speakers using standard analog 3.5 mm jacks.



# WiFi Hostspot

The app for mobile devices makes using the just music! a snap, no technical knowledge required! Simply connect your speakers to just music! using an audio cable. Then, connect your devices to just music! via WiFi and play the desired music, and now you have created a whole-house musical experience.

A clean, user-friendly web interface gives you an easy way to further customize and configure your just music!.



### Extend the Wireless Network Range

WiFi-Music has wireless station repeater function, and can be used with the existing wireless router in-home to extend its wireless network coverage. As following, you just need to do a few simple steps to extend the range of internet or wireless music, both convenient and practical.



# Easy to Setup, Easy to Use

The app for mobile devices makes using the just music! a snap, no technical knowledge required! Simply connect your speakers to just music! using an audio cable. Then, connect your devices to just music! via WiFi and play the desired music, and now you have created a whole-house musical experience.

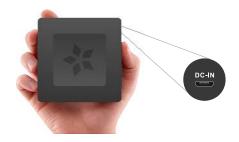
A clean, user-friendly web interface gives you an easy way to further customize and configure your just music!.



### Small and Smart

just music! Palm-type portable WiFi media Box equipped with a built-in 1T1R antenna, 150Mbps wireless data rate; Body designed with size in only 80mmx80mm, the sleek styling looks good on a shelf or can be hidden away discreetly.

Micro USB multiple power supply makes it worked with any standard USB connector or power adapter, therefore sharing power with your mobile devices.



# **Specifications**

System				
OS	Embedded Linux			
CPU	MIPS 24KEc 360Mhz			
Memory	FLASH: 8MB; RAM:32MB			
Antenna	Built-in antenna			
WLAN	WLAN Standard: 802.11b/g/n Max WLAN Speed: 150Mbps WAPI engine: WPA, WPA2			
WiFi Audio Streaming Protocols	AirPlay (Apple) WiFi-Music Streaming (Further)			
Apps	Apple Music (Build-in App) WiFi-Music (Android)			
Music File Type	AAC/MP3/WMA/FLAC/OGG/WAV/M4A/ALAC			
Device Interfaces				
USB2.0 Port	1 x USB 2.0 port for USB storage.			
Ethernet Port	1 x RJ-45 WAN (support DHCP, PPPoE and Static IP).			
Audio IN	1 x 3.5 mm jack, Connect to audio output port of PC.			
Audio OUT	1 x 3.5 mm jack, Connect to your speaker.			
DC IN	1 x Micro USB port for DC 5V 1A power input.			

Reset Button	1 x Semi-recessed pushbutton to load factory default.		
Indicators	3 x LEDs, indicate USB, WiFi and power status.		
Physical Properties			
Operating Environment	0° C to 35°C, Humidity 10% to 80% RH(No condensation)		
Storage Environment	-10° C to 50°C, Humidity 5% to 95% RH(No condensation)		
Housing	Plastic		
Dimensions	80 (W) x 80 (L) x 30 (H) mm		
Mass (weight)	83g		

 $<sup>\</sup>ensuremath{\,\times\,}$  Specifications and design are subject to change without notice.

# **Package Contents**

The product package includes the following items and accessories:



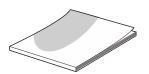
WiFi-Music Unit



USB Power Adapter



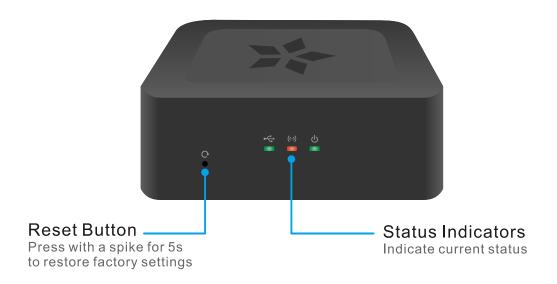
MicroUSB to USB Cable



Quick Start Guide

# **Hardware Interfaces**

# **Front Panel**



# **Rear Panel**



### **Status Indicators**

The three status indicators show the current status of WiFi-Music, and their descriptions are as following:

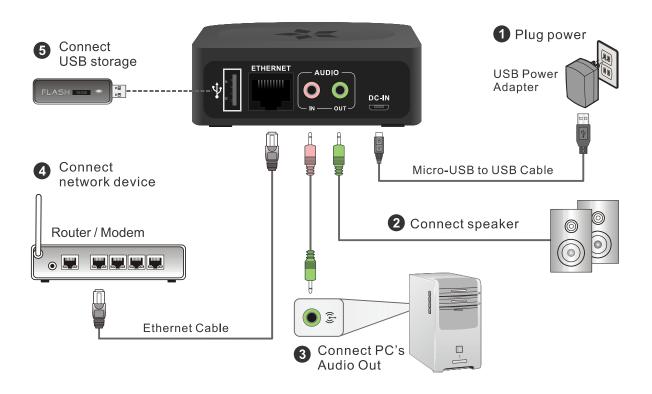
LED	Indication	Description
(USB)	Light off	No USB storage is detected.
	Green on	The USB storage connected to USB port is ready.
	Green flashing	Reading data from USB or writing data to USB.
((·)) (WiFi)	Light off	WiFi connection is not ready.
	Red on	WiFi function is ready and can be connected by phone/tablet.
	Red flashing	It is sending or receiving data over WiFi network.
(PWD)	Light off	Power off.
	Dark green on	The product is starting up.
	Light green on	The boot is complete.
	Green flashing slowly	There is a system error.



- Keep pressing the reset button for about 5 seconds until the two green indicators (PWD&USB) flash simultaneously, then release, WiFi-Music will reset to the default settings and reboot.
- When pressing reset button for less than 5 seconds (green indicators not flash), the product will restart instead.

# **Hardware Connection**

Please connect WiFi-Music by following these steps:



1 Plug Power

Plug the Micro-USB end of the Micro-USB to USB cable (supplied) into the product's DC-IN port and the other end into the USB power adapter (supplied), then plug the power adapter into the wall socket.

2 Connect Speaker

Connect your favorite speaker to the product's AUDIO OUT port.

3 Connect Audio Out of PC

Connect the product's AUDIO IN port to the Audio Out port of PC via a 3.5mm audio cable.



Only necessary when your speaker was connected to PC before, it's used to output the PC's audio to speaker directly via the audio cable.

4 Connect Network Device

Plug one end of an Ethernet cable into the product's ETHERNET port and the other end into the LAN port of Router or WAN port of Modem.



Only necessary when using as WiFi Hotspot.

# **5** Connect USB storage

Plug the USB storage to the product's USB2.0 port.



Only necessary when using as WiFi Storage.

Used for this product must to provide a separation distance of at least 20cm from all persons.

# **Products Operations**

### Connect to WiFi-Music

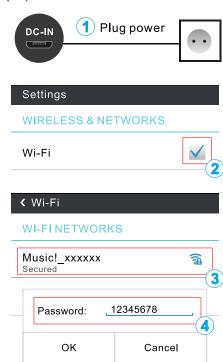
You can connect WiFi-Music by following these steps (Android for example):

- 1. Power on WiFi-Music.
- 2. Enable the WiFi function of your smartphone, tablet or notebook and search the WiFi networks.
- **3.** Select WiFi-Music SSID (default: Music!\_xxxxxx, xxxxxx is the last six letters of the MAC address.) in the WiFi list.
- **4.** Then enter its password (default: 12345678) and tap "OK" to connect WiFi-Music.
- 5. When completed, it will show "connected" sign, as following.





If your phone/tablet/PC and WiFi-Music are connected to the same router, you can play wireless music though WiFi-Music directly.



# **Product Settings**

Using smartphone/tablet/notebook to connect WiFi-Music through WiFi. Then enter URL '192.168.8.1' in browser to open the settings page. (If you have changed the Login IP, enter the new IP.)

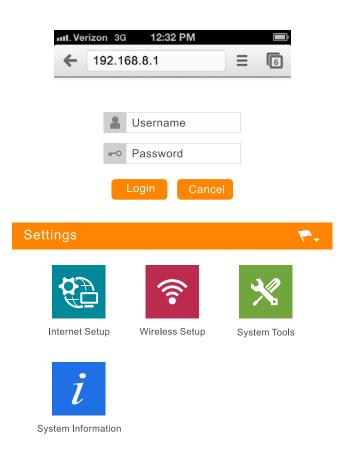
Enter the username and password to login.



The default username and password are both admin. You can change them in the "Password" page.

The main menu is as right:			
Internet Setup	rnet Setup Set network to access internet.		
Wireless Setup	Set WiFi Repeater and SSID.		
System Tools	Change login IP/username/ password, restart or reset WiFi-Music, upgrade firmware.		
System Information	Show the current information.		

" ~" on the top-right is used to switch display language among English, Simplified Chinese and Traditional Chinese.



# **Internet Setup**

This item is used to convert the cable broadband network to WiFi in order to access the internet via wireless network.

There are three wired network types here:
DHCP(default), PPPoE or Static IP.
Select the desired type and click the icon to enter the corresponding subpage and set. When completed, WiFi-Music will reboot automatically, you can access internet after about one minute.



- Before setup, please connect WiFi-Music to the Router or Modem with an Ethernet cable first.
- When using DHCP network, you can access internet immediately after plugging the Ethernet cable without Internet Setup.

#### Internet Setup





DHCP



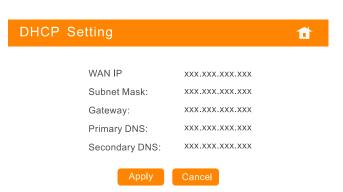


Static IP

### DHCP:

Select "DHCP" if the WiFi-Music is connected to a cable modem or router, and network configuration is dynamic IP(DHCP).

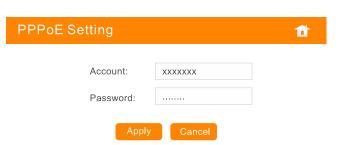
It will display the current DHCP information here, tap "Apply" to confirm and apply, and WiFi-Music will reboot automatically to work the configuration.



### PPPoE:

If your ISP uses the PPPoE protocol for Internet access, please select "PPPoE" and enter the account and password provided by ISP.

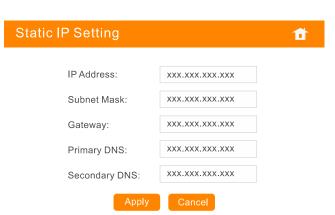
Then tap "Apply" to confirm and apply, and WiFi-Music will reboot automatically to work the configuration.



### Static IP:

If you are given a fixed IP, please select "Static IP" and enter the static IP information provided by your ISP, such as IP Address, Subnet Mask, Default Gateway and DNS.

Then tap "Apply" to confirm and apply, and WiFi-Music will reboot automatically to work the configuration.



# **Wireless Setup**

This page is used to set WiFi repeater or change the WiFi wireless network information of WiFi-Music. It includes two settings: WiFi Repeater and SSID & Security.

When completed, WiFi-Music will reboot automatically to work the configuration.

### Wireless Setup







WiFi Repeater

SSID & Security

### WiFi Repeater:

It will list all of the available WiFi networks. Tab one of them to connect.

If it's an open network, you will be automatically connected to the network. If it is secured, you will need to enter its password to connect.

When completed, WiFi-Music will reboot automatically.



If the security type of the desired network is "WEP", you have to select its key index first, then tab "Apply" and enter the password to connect it. If failed, try them one by one.

## WiFi Repeater



#### Choose a Network...

✓ TP-Link-1	<b>A</b> ≎
TP-Link-2	₽ ÷
TP-Link-3	A 🙃
TP-Link-4	A ÷

### SSID & Security:

This page is used to change the wireless SSID and security of WiFi-Music. When complete, WiFi-Music will reboot automatically to make the settings effective, then you can connect it with the new SSID and password.

### SSID:

Wireless SSID name, it will display in the available WiFi networks list on your mobile device.

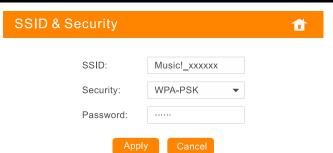
(Default SSID: Music!\_xxxxxx, xxxxxx is the last six letters of the MAC address.)

### Security:

Security mode, including None, WPA-PSK, WPA2-PSK and Auto. It controls whether or not users will be prompted for a password when joining the network.

### Password:

When the security mode is not "None", you have to set the WiFi password for users. (Default: 12345678)



# **System Tools**

This page includes five settings: changing the login IP or username/password, firmware upgrade, reboot or reset. Click the icon to enter the corresponding subpage and set the item.

#### Password:

Change the login username and password.

#### Reboot:

Reboot WiFi-Music. When completed, the current connection may be interrupted, please connect again.

#### Reset:

Reboot WiFi-Music. When completed, it will reboot automatically, so the current connection may be interrupted, please connect again.

# System Tools









Login IP

Password

Firmware Upgrade





Reboot

Reset

### **Change Login IP:**

Change the login IP and subnet mask of WiFi-Music.

### Login IP:

Login IP (LAN IP) of WiFi-Music, "192.168.8.1" as default. Generally, users don't need to change it. But if you are accessing internet via Static IP, please note that whether the third segment of Static IP and Login IP are the same, if yes, they will conflict with each other and you have to change the Login IP here (You only need to change the third segment).



If you change the Login IP, please enter the new IP address when accessing the product settings page or using WiFi storage function.

### Subnet Mask:

Subnet Mask of WiFi-Music, "255.255.25.0" as default. Generally, users don't need to change it.



# Firmware Upgrade:

You can update firmware in the page.

First, you have to download the firmware upgrade file and save it in the USB storage and then plug it into the product. It will automatically detect the update files in the USB storage.

Select the upgrade version if there is more than one upgrade files. Then tap "Upgrade" to start to upgrade.

During upgrading, the USB indicator will flash. When completed, WiFi-Music will reboot automatically to make the upgrade effective. After that, you can enter in the "System Information" page to check the Firmware Version.



# **System Information**

This page is used to display the current information of WiFi-Music.

### **Firmware Version:**

Show current firmware version.

### WAN:

Show current WAN connection type, WAN IP Address and MAC Address.

#### LAN:

Show LAN IP Address and MAC Address.

# System Information

Firmware Version: X.X.X WAN Connection Type:

IP Address: XXX.XXX.XXX MAC Address: XX-XX-XX-XX-XX

XXXX

LAN

IP Address: 192.168.8.1 XX-XX-XX-XX-XX MAC Address:

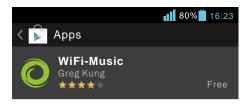
# **Playing Music Wirelessly**

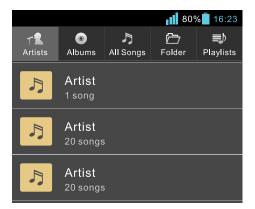
WiFi-Music lets you listen to music or other audio from phone/tablet/notebook wirelessly on your favorite speakers — with better sound quality.

### For Android users

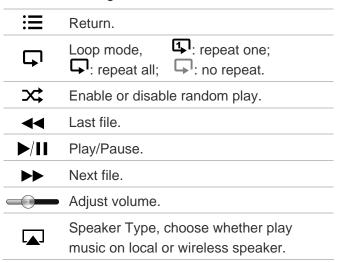
- Search the specified Android music player named "WiFi-Music" on Google Play, and install it on your Android phone/tablet.
- Power on WiFi-Music product, then use your Android device to connect to the product through WiFi (or connect the device and WiFi-Music to the same router).
- 3. Tap the WiFi-Music app icon " or to start it, the main interface is as right (Long press the item in the list to display the edit menu.)







**4.** Tap the desired music to play. The music playing interface is as right.



5. Tap " and select WiFi-Music SSID (default: Music!\_xxxxxx), it will change to " , and the music will play through speaker wirelessly.



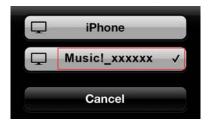


### For iOS users

- 1. Power on WiFi-Music, then use your iphone/ipad to connect to the product through WiFi (or connect the device and WiFi-Music to the same router directly).
- 2. Start the iOS default music player and play music with it. Then tap the AirPlay button " to select speaker type.



3. Select the WiFi-Music SSID. (default: Music!\_xxxxxx)



**4.** The AirPlay icon will change to blue, and then your music will play through speaker wirelessly.



### For Windows users

- 1. Download iTunes application from apple website and install it on you Windos notebook/PC (or connect the device and WiFi-Music to the same router directly).
- 2. Power on WiFi-Music, then use your notebook/PC to connect to the product through WiFi.
- **3.** Start the iTunes app and play music with it. Then tap the AirPlay button " to select speaker type.



**4.** Select the WiFi-Music SSID. (default: Music!\_xxxxxx)



**5.** The AirPlay icon will change to blue, and then your music will play through speaker wirelessly.



# **Creating WiFi Hotspot**

WiFi-Music can be used as a wireless router, set inside a wireless connection on the external wireless network, network and then share it with other users.

And it lets you access internet while connecting to WiFi-Music and share WiFi network to others.

### Wired Network to WiFi

- 1. Power on WiFi-Music.
- 2. Connect WiFi-Music to the Router or Modem via an Ethernet cable.



When using DHCP network, you can access internet immediately after plugging the Ethernet cable, and don't need to do the following two steps.

 Use your phone/ tablet/notebook to connect to WiFi-Music through WiFi. Then enter URL '192.168.8.1' in browser and login the settings page. (If you have changed the Login IP, enter the new IP.)





There are three wired network types here: DHCP(default), PPPoE or Static IP. Select the desired type and click the icon to enter the corresponding subpage and set. When completed, WiFi-Music will reboot automatically, then you can access internet easily.

(See details in the Product Settings chapter.)

#### Internet Setur









DHCP

PPPoE

# WiFi Repeater

- 1. Power on WiFi-Music.
- Use your phone/ tablet/notebook to connect to WiFi-Music through WiFi. Then enter URL '192.168.8.1' in browser and login the settings page. (If you have changed the Login IP, enter the new IP.)



3. Tap "Wireless Setup -> WiFi Repeater" icon to enter WiFi Repeater settings page as right. It will list all of the available WiFi networks. Tab one of them to connect. If it's an open network, you will be automatically connected to the network. If it is secured, you will need to enter its password to connect. When completed, WiFi-Music will reboot automatically to work the configuration.



If the security type of the desired network is "WEP", you have to select its key index first, then tab "Apply" and enter the password to connect it. If failed, try them one by one.

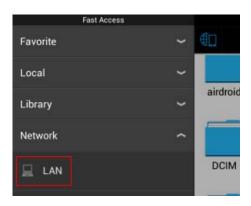


# **Accessing WiFi Storage**

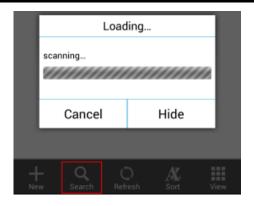
WiFi-Music lets you create you own WiFi storage to share your favorite content in the USB storage with your favorite people. There is no need to worry about running out of space on your mobile devices anymore.

### For Android users

- 1. In your Android phone/tablet, download the app named "ES File Explorer" from Google Play. It is a very useful file manager app that comes with option to browse remote files on a LAN network.
- 2. Power on WiFi-Music and plug your USB storage to the product's USB 2.0 port.
- 3. Use your phone/tablet to connect to WiFi-Music through WiFi.
- **4.** In ES File Explorer on your Android device, tap the globe icon in the upper-left hand corner, then navigate to Network -> LAN.



5. On the menu at the bottom, tap "Search" to look for available network shares on your LAN. If successful, you should see "share@Music!\_xxxxxx" in the list, tap it. (Music!\_xxxxxx is the default SSID, you can rename it in the settings page.)



**6.** Then enter the username and password. (Username and password are both "admin".)



7. After the folder named "share" appears, you can browse the files/folders on the USB storage using ES File Explorer.

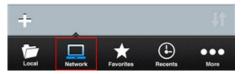


# For iOS users

- 1. In your iPhone/iPad, start "App Store", search the free remote file viewer named "Remote Files" and install it.
- **2.** Power on WiFi-Music and plug your USB storage to the product's USB 2.0 port.
- **3.** Use your iPhone/iPad to connect to WiFi-Music through WiFi.
- **4.** Start the "Remote Files" app. In the main menu, tap "Network -> New Connection" to add the WiFi-Music connection.



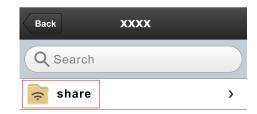




- 5. In the "Login Information" page, enter the Display Name (anything you want) and IP Address (192.168.8.1) of WiFi-Music. (If you have changed the Login IP, enter the new IP.)
- **6.** Disable "Login as Guest" and enter the username and password (both "admin").
- 7. Tap "Login".

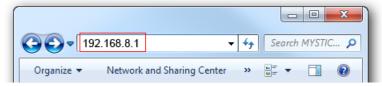
**8.** It will display a shared folder named "share", tap it to access the files/folders in the USB storage wirelessly.





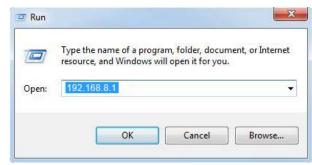
### For Windows users

- 1. Power on WiFi-Music and plug your USB storage to the product's USB 2.0 port.
- 2. Use your Windows notebook/PC to connect to the product through WiFi.
- 3. Enter the address "192.168.8.1" in the folder address bar and press "Enter" key to go to the share page. (If you have changed the Login IP, please enter the new IP address.)





You can also click "Start -> Run", then enter "192.168.8.1" and click "OK" to enter the share page.



4. Double click the "Share" folder to access the files/folders in the USB storage wirelessly.



# **Tips and Troubleshooting**

You can quickly solve most problems with WiFi-Music by following the advice in this chapter.

### **Best Locations for WiFi-Music**

The following recommendations can help your WiFi-Music achieve the best wireless range and network coverage.

- Place your WiFi-Music in an open area where there are few obstructions, such as large pieces of furniture or walls. Place it away from metallic surfaces.
- · Avoid placing your WiFi-Music behind furniture or inside cabinets.
- Don't lay your WiFi-Music on its side.
- Don't place your WiFi-Music in areas surrounded by metal surfaces on three or more sides.
- If you put your WiFi-Music in an entertainment center with your stereo equipment, don't surround WiFi-Music with audio, video, or power cables. Place your WiFi-Music so the cables are to one side. Keep as much space as possible between WiFi-Music and the cables.
- Place your WiFi-Music at least 25 feet (8 meters) from any microwave oven, 2.4 GHz cordless phone, or other source of interference.

# **Avoiding Interference**

The following items can cause interference with Wi-Fi communication:

- Microwave ovens
- Direct Satellite Service (DSS) radio frequency leakage
- The original coaxial cable that may come with a satellite dish. Contact the device manufacturer and get newer cables.
- Electrical devices such as power lines, electrical railroad tracks, and power stations.
- Cordless telephones that operate in the 2.4 GHz range.

The farther away the interference source, the less likely it is to cause a problem.

### **Problems and Solutions**

### If the Phone/Table/PC Can't Detect Your WiFi-Music

Make sure that the phone/table/pc you're using has Wi-Fi. Use the Wi-Fi status menu on the menu bar to make sure Wi-Fi is turned on.

If you're using a Windows computer, make sure the wireless card or adapter is installed correctly. To check the connection, see the documentation that came with your computer.

# If You Can't Play Music by WiFi-Music on Your Stereo

- Make sure that your WiFi-Music is plugged into a power outlet and is in range of your phone/tablet/computer or wireless device, and that you connected the appropriate cables. You may need to join the WiFi-Music network.
- Make sure you've chosen your WiFi-Music SSID from the " pop-up menu in the WiFi-Music/iTunes window.
- Make sure you're using iTunes v10.4 or later on your computer.

# If You Can't Hear Music Playing

If music is playing (the playback head in the progress bar at the top of the music player window is moving) but you can't hear anything, check the following:

- Make sure your remote speakers are selected in the " pop-up menu in the WiFi-Music/iTunes window..

  Also make sure the volume on the remote speakers isn't turned down.
- Make sure your stereo or powered speakers are turned on, and the volume is turned up.

# If Your WiFi-Music Isn't Responding

Unplug it from the power outlet and plug it back in.

If your WiFi-Music stops responding completely, you may need to reset it to its factory settings. This erases all of the settings you've made and resets them to their original values.

### To return your WiFi-Music to its factory settings:

Use the end of a straightened paper clip to hold down the reset button for five seconds until the two green indicators (PWD&USB) flash simultaneously. WiFi-Music restarts with the following settings:

- The network name reverts to Music!\_xxxxxx (xxxxxxx is the last six letters of the MAC address).
- The WiFi-Music password reverts to 12345678.
- The Login IP of product settings page reverts to 192.168.8.1.
- The Login account/password of product settings page reverts to admin.

# If You Want to Update Your WiFi-Music Firmware

We periodically updates WiFi-Music firmware. To upgrade to the latest version:

- 1. Download the firmware upgrade file and save it in the USB storage and then plug it into the product.
- 2. Using phone/tablet/notebook to connect WiFi-Music through WiFi. Then enter URL '192.168.8.1' in browser to open the settings page.
  - (If you have changed the Login IP, enter the new IP.)
- **3.** Tap "System Tools -> Firmware Upgrade", select the upgrade version if there is more than one upgrade files. Then tap "Upgrade" to start to upgrade.
- **4.** During upgrading, the USB indicator will flash. When completed, WiFi-Music will reboot automatically to make the upgrade effective. After that, you can enter in the "System Information" page to check the Firmware Version.

### **FCC Statement:**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- —Reorient or relocate the receiving antenna.
- —Increase the separation between the equipment and receiver.
- —Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- —Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

