HiFiMuse R20

# USER QUICK GUIDE

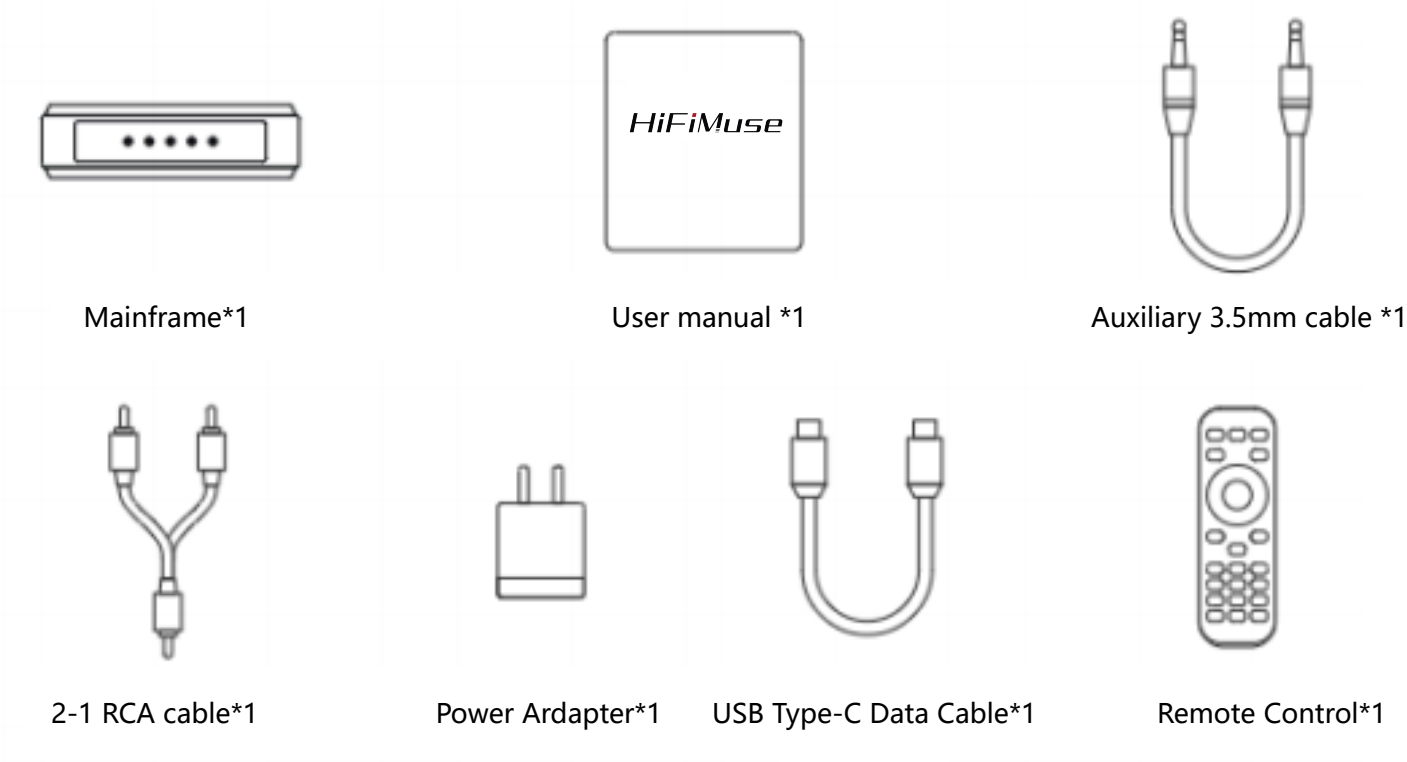
HiFiMuse

— Feel the Sound  Live the Music —

## Introductory

The R20 is a wireless streaming preamplifier that connects to your existing stereo system. With the R20, you can stream high-resolution music from smart devices, USB, NAS, or popular streaming services such as Spotify, TIDAL, or Qobuz using the 4Stream APP, AirPlay, Bluetooth, or other compatible applications. It supports decoding high-quality music with sample rates up to 24-bit/192kHz and can stream lossless audio formats such as FLAC, APE and WAV. In addition, you can connect the R20 to your PC via USB Type-C and stream music digitally. If you add more units, you can create a wireless multi-room or multi-zone whole-house audio system that gives you an amaz music experience.

## Packing List




## Main Features

1.Streaming music over the Internet is not limited by distance; the effective range is up to 15 meters with Bluetooth 5.0 connectivity.

2. Support Spotify Connect, AirPlay, Qplay, DLNA, UPnP streaming protocols.

3. Supports streaming sources from online services, smart device memory, USB flash drive, NAS, Bluetooth and line-in;

4.Supports analog and digital outputs via line out and optical output; and

5.Enables multi-room and multi-zone streaming from many devices connected to the same network.

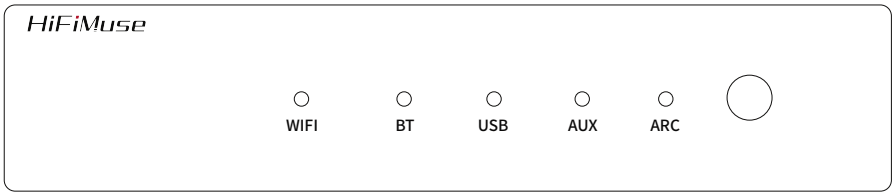
6.Compatible with AirPlay, Spotify Connect, Qplay, DLNA, UPnP protocols and third-party APPs.

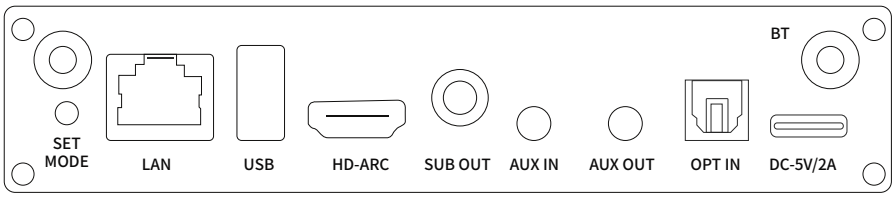
7. High-quality music streaming support, sample rate decoding up to 24bit, 192kHz, Spotify, TIDAL, Qobuz, iHeartRadio, Tuneln, Napster, and many other online streaming services are integrated into the application for use.

# Norm

| | | |
|---|---|---|
| Grout | Wireless network | IEEE802.11 b/g/n 2.4G |
| | Ethernet | Single 10/100M RJ45 |
| | Bluetooth | 5.0 |
| | USB Host | 2.0 |
| Bluetooth distance | | 15M |
| Power Input | | 5V-1A USB Type-C port |
| Audio Output | | Analog 3.5mm Mini-Pin, Fiber Optic Port |
| Audio Input | | Analog 3.5mm Mini Pin, USB Type-A Port, USB Type-C Port |
| Frequency Response | | 20Hz to 20kHz |
| Signal to Noise Ratio | | 91dB |
| Total Harmonic Distortion (THD) | | 0.03% |
| Music Format | | FLAC/MP3/AAC/AAC+/ALAC/APE/WAV |
| Sample Rate | | Decoding up to 24bit/192kHz |
| Protocol | | AirPlay,DLNA,UPnP Spotify Connect, Qplay |
| Equipped with LED | | WiFi: blinking: waiting for connection, always on: networked BT: blinking: pairing mode, always on: paired<br>Line-in: Line-in mode USB<br>USB pan driver DAC detected<br>USB DAC mode |
| Size | | 140x95x30mm |
| Weight | | 290g |

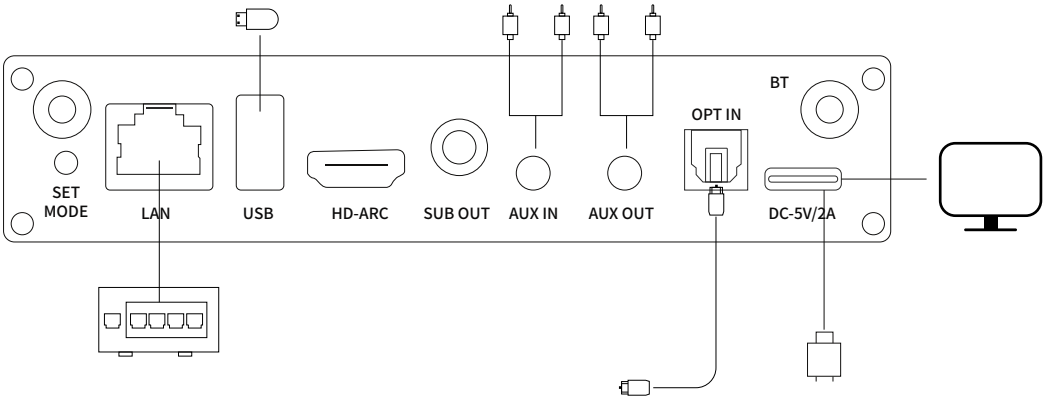
# Interfaces



## Remote controls

## Connection scheme



# How to use

**APP DOWNLOAD**

Download from APP Store:AudioCast app (for iOS based devices) and Google Play Store (for Android based devices).

GET IT ON Google Play  Download on the App Store

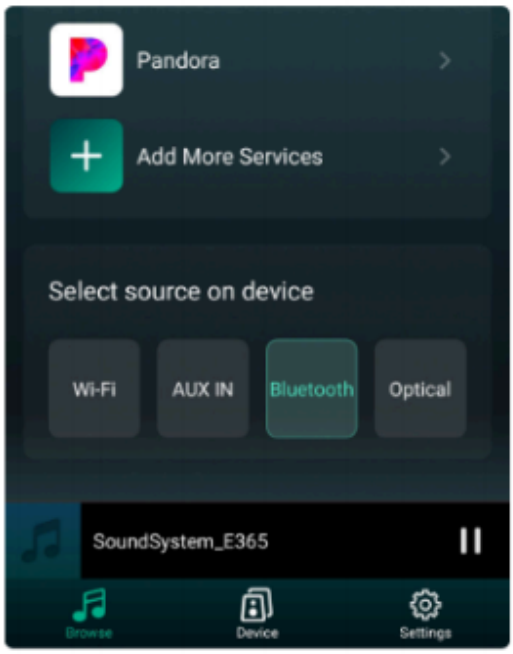
1. Plug in the power cord.
2. The LED will start blinking, wait for the LED to blink slowly.
3. Make sure your phone is connected to your home network using 2.4G and that your GPS and Bluetooth are turned on.
4. Open the application, for Android devices, the system will request permission to use GPS data and file storage, please click Accept to continue.
5. The application will list all the devices available for setup, select the one you want.
6. Now enter your network password, if this is not the network you want your device to connect to, you can change it to the desired network.
7.Once the connection is complete you will see it in the app's device list and you can now start transferring music.

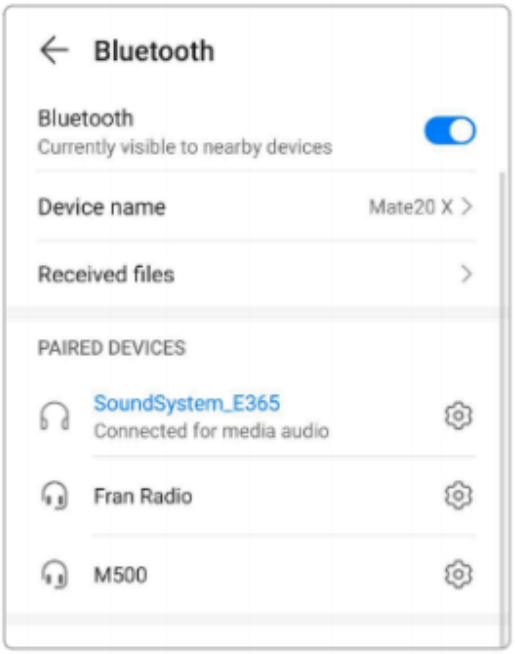
**Connection via LAN**

Plug the wired cable into the RJ45 Ethernet and the device will be displayed on the APP after approx. 10 seconds. (Note: the phone and the device must be in the same network)

**Bluetooth**

To use Bluetooth, switch to Bluetooth via the APP or remote control, then find the Bluetooth device HIFIMUSE_XXXX from your phone's Bluetooth settings and pair it.

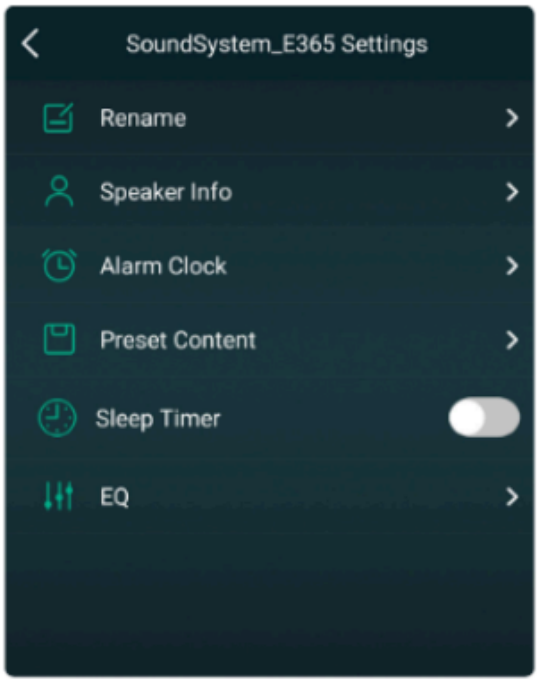


## APP Function

**Device Settings**

Rename: Change the device name. Speaker Info: Display device information such as IP address, Mac address, SSID, firmware version, restore factory settings, etc.
Alarm Clock: Set up to 4 different alarms with music of your choice. Preset Content: 10 buttons for preset content.
Sleep Timer: Countdown timer to turn off the device.

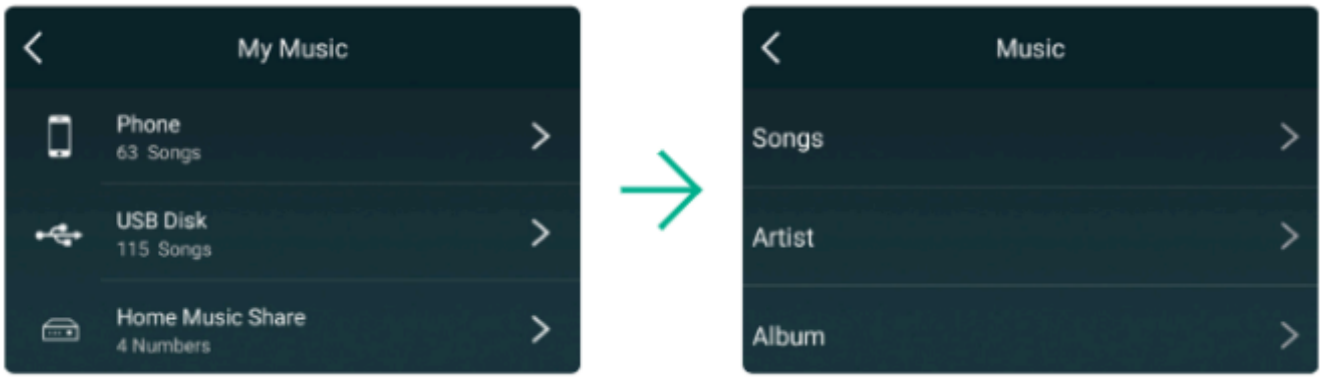



**Playing locally stored music**

Click My Music on the app and select the music you have there. Note: iOS-based devices have blocked access to the iTunes library.

**Playing Music from the NAS**

Please note that our system only supports DLNA-enabled NAS.



**Playing Line in Mode**

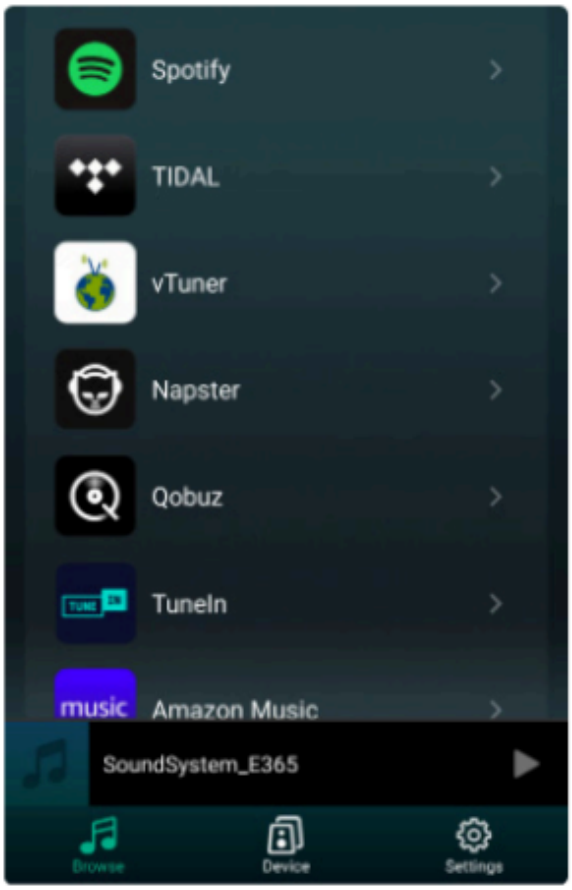
Rename: Change the name of the device. Speaker Info: Displays device information such as IP address, Mac address, SSID, Firmware version, Restore Factory Settings, etc.
Alarm Clock: Set up to 4 different alarms with music of your choice. Preset Content: 10 buttons for preset content.
Sleep Timer: Countdown timer to turn off the device.

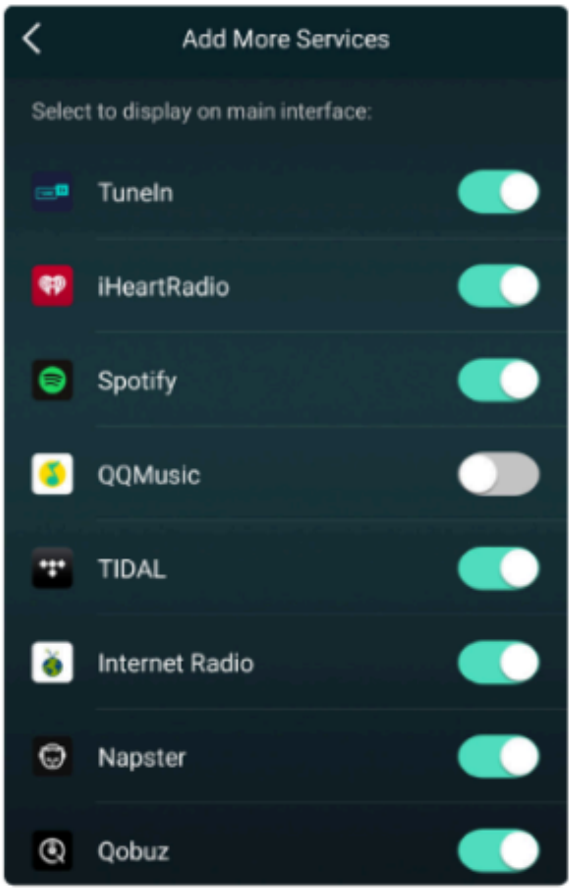
**Bluetooth Mode**

Select Bluetooth mode on the app or remote control and the LED will turn blue.
Turn on Bluetooth on your mobile device. Pair the device with Bluetooth (Sound System) and play.

**Streaming Services**

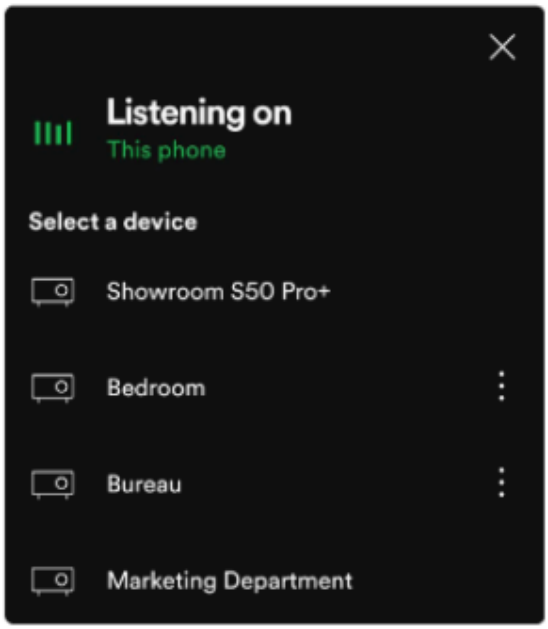
To use online streaming services, iHeartRadio, Spotify, TIDAL, and Qobuz may require an account on the service provider's platform.



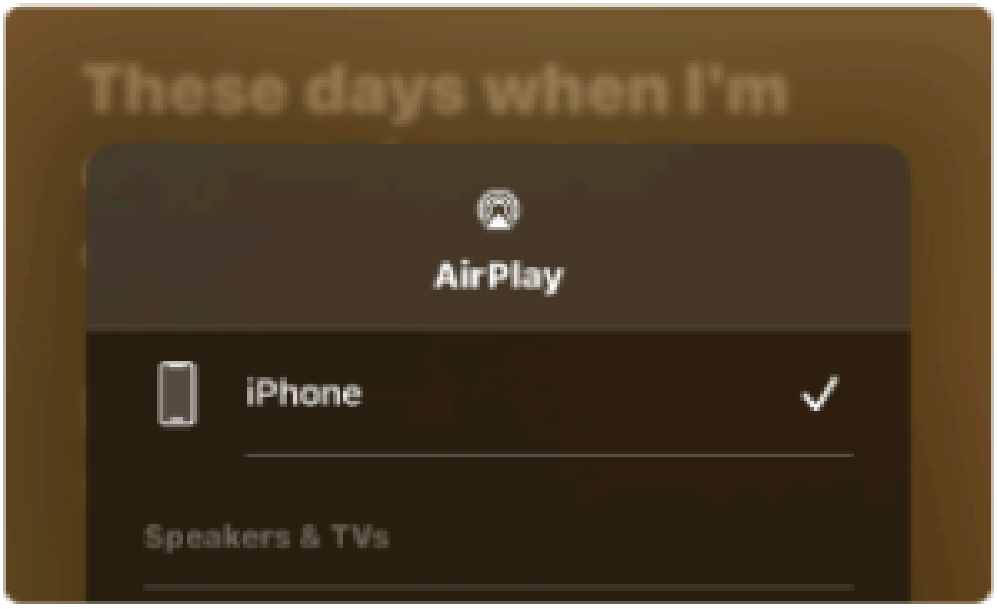

**Spotify**

Listen aloud with Spotify connect 1. Connect your device to your WiFi network 2. Open the Spotify app on a phone, tablet, or laptop using the same WiFi network 3. Play the song and select available devices.



**AirPlay**

The device supports AirPlay, so you can select AirPlay and play music.

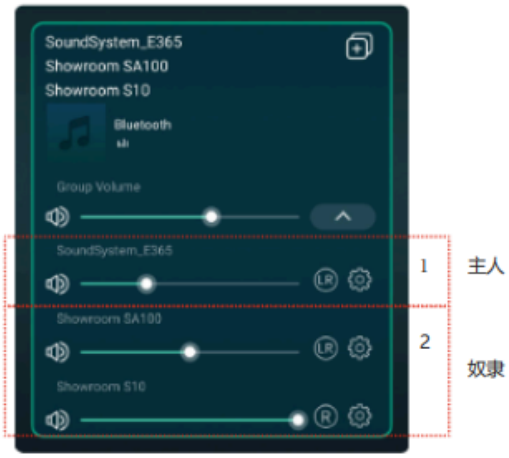



**Qplay**

Our devices support QQ music using the Qplay protocol, you must turn on Qplay in the QQ music player settings and then find the device in the Qplay list.

**Multiple rooms and zones**

Users can group multiple rooms and zones on the application. For example, you can group devices 1, 2, and 3 to synchronize the same music, or group devices 1 and 2 as zone A and devices 3 and 4 as zone B and play different music in zones A and B.



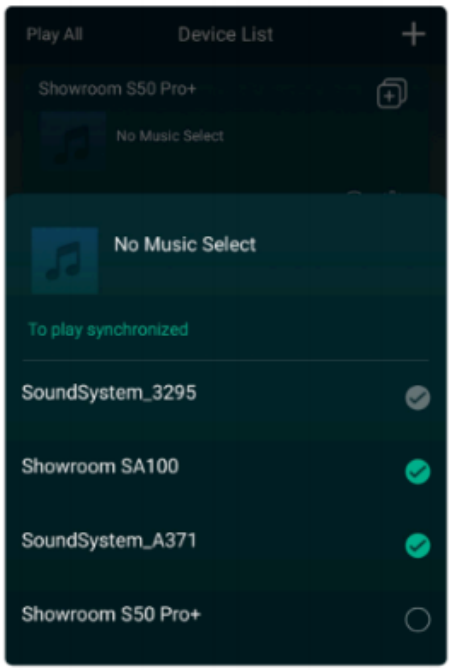
**Adding/Removing Devices to Multi-Room**

To add a device to the Multi-Room feature, click on the "+" mark of the device you want to set as master. This will bring up a list of available devices from which you can select the one you want to add as a slave. When you are done, click the "Done" button.

A gray check mark icon indicates a master device and a green check mark icon indicates a slave device.

To remove a device from the Multi-Room feature, click the "+" mark again to bring up the list of devices, and then deselect any slave devices you want to remove. Then click the Done button to confirm.

If all slave devices are removed, the multiroom function will be disabled.




**Left Channel and Right Channel**

Users can select Right Channel or Left Channel or Stereo mode on the application, or select Left Channel on Device A and Right Channel on Device B, then combine them together and synchronize playback to create stereo sound.

**Presets**

There are 6 buttons on the remote control, user can preset the playlist on the application (only the list with speaker icon can be preset) from 1~6.

When you press button 1 on the remote control, preset list 1 will be played. (Users can preset 10 playlists on the application, but the remote control can only save 1-6 playlists.

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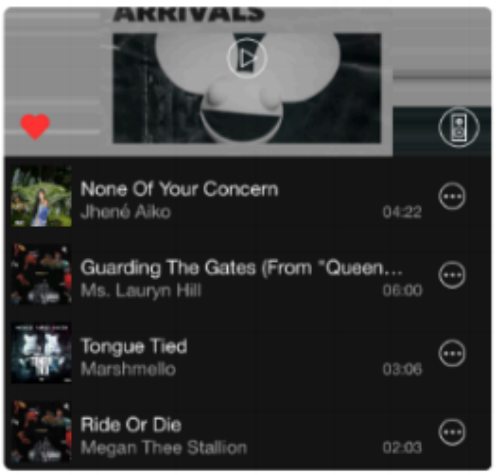
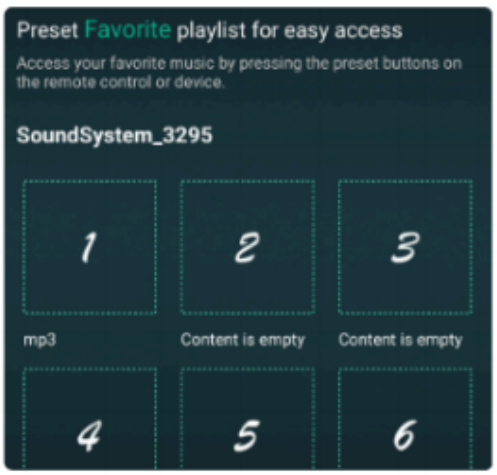


**Mode Change**

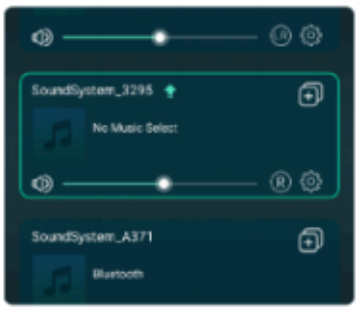
Method 1: Changing Applications Users can change the playback modes for applications, WiFi, Bluetooth, Line In, and USB. To change from Bluetooth/Line In/USB to WiFi
Input/USB to WiFi, simply select an online streaming service such as TIDAL, Qobuz, or Spotify or any music stored locally on your phone or streamed via DLNA or UPnP.
DLNA or UPnP streaming.
METHOD 2: CHANGE USING THE REMOTE CONTROL Users can change the playback modes - WiFi, Bluetooth, Line In and USB - using the remote control.
Method 3: Press Mode Button
Users can press the Mode button once to switch between Source Mode, WiFi, Bluetooth, Line-In, USB, and WiFi.

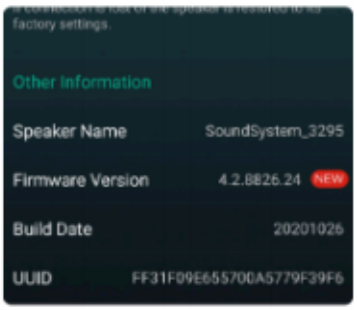
**Restoring Factory Settings**

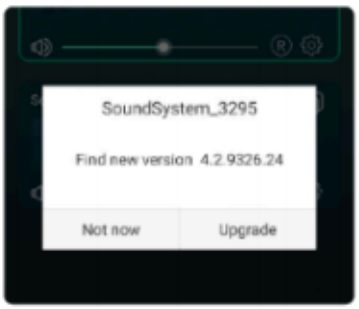
Two ways to restore factory settings Method 1: Long press vol+ and vol- to restore factory settings.
Method 2: Go to "APP Settings - Speaker Info - Restore Factory Settings" .

**Firmware Updates**

The app will notify you in the APP when a new version of Fireware is available. It is recommended to update Fireware when available, as this not only corrects errors or improves security, but also adds new features or services.




## Play on PC

There are several tools for playing music from a PC

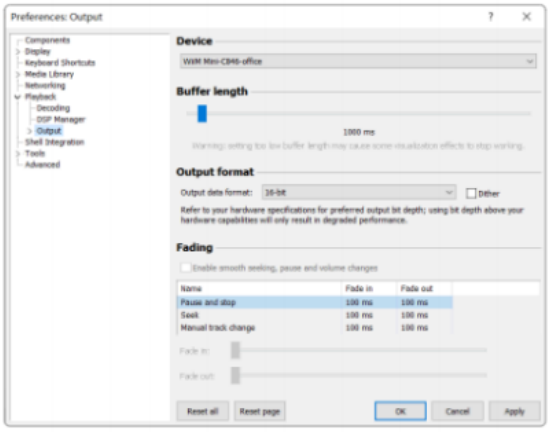
**Playing Music from iTunes on Mac and Windows PCs**

When our devices can stream audio sources from local storage, media libraries in Mac and Windows PCs, and iTunes online services. Users can easily play and switch between music, control volume, and select audio devices to group and cluster audio devices.

**See how to add the UPnP component in the documentation in the Downloads section of our website.**

**See the Following Link On How To Add UPnP Components**
http://wiki.hydrogenaud.io/index. php?title=Foobar2000: How_to_install_a_component 4. Restart Foobar2000 and check: Library>Configuration>Output>Devices and you will see PLAYER in the device option column.

**Select The Device On Which You Want To Play Music**




**USB Audio**
Connect the device to your PC using a USB cable (make sure it is a cable that includes a signal cable). the PC will automatically discover the USB sound card and when you select it as the main system output, the PC will send the audio output to the device digitally (44.1KHz/16bits). You can stream to other devices via a multi-room connection. Note: In Multi-Room Playback mode, there is a delay of approximately 3 seconds over the audio source.

**Up2Stream ACPWorkbench (sold separately)**
Connect the Up2Stream device to your PC using a USB cable (make sure it is a cable that includes a signal cable). And open the program ACPWorkbench (Windows only), where you can easily adjust audio effects including Music Noise Suppressor, Virtual Bass, Stereo Widener, Exciter, 10-Band EQ, Configure Output Channels, and PIN Configuration. After editing an audio effect, you can save the changes to the device to keep the adjusted effect. You can get more.

**Frequently Asked Questions**
Q: Does your device support AirPlay and 3rd party DLNA APP?
A: Yes. They support AirPlay and third-party apps such as Bubble UPNP.....
Q: How many zones can you group in a system? A: Up to 12 rooms, 8 zones are recommended.
Q: How far can your wireless audio system cover? A: Once the system is connected to your WiFi router, you can play your audio system anywhere there is a WiFi signal.
A: Once the system is connected to your WiFi router, you can play your music anywhere there is a WiFi signal.
Q: Can you play high resolution music? A: Yes. Our devices can play APE and FLAC in the normal bitrate range. They also support decoding 24bit/192kHz music files.
Q: How many languages do you support? A: Our devices will automatically detect the language of your mobile device and change it automatically. Currently, we
currently support English, French, German, Spanish, Chinese, Portuguese, Korean, and Japanese, with more in development.
Q: What online music services do you support? A: Spotify, Quboz, TIDAL, iHeartRadio, TuneIn, Napster, and more to be announced.
Q: Can I play local music? A: Yes. You can play music from local storage devices such as removable device storage, USB thumb drives, and NAS.
NAS) from local storage devices such as removable device storage, USB thumb drives, and NAS.
Q: Will the device work with Windows devices? A: Windows apps are currently not available, but on Windows PCs, users can use iTunes, Foobar2000 and Spotify Connect.
Q: Can all music sources be played in multi-room mode? A: Yes, online streaming music, line-in and Bluetooth can be played in
in multi-room mode.
Q: Does your device support Google Assistant or Alexa? A: Our device does not support Alexa, but via Bluetooth, our device works with the
Google Assistant.

**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.

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

NOTE: 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.

To maintain compliance with FCC ’ s RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

## Help

Frequently Asked Questions

Website:www.hifimuse.net/support

E-Mail.

Technical Support:support@hifimuse.net

Business Cooperation:sales@hifimuse.net

Product User's Guide.

https://hifimuse.net/pages/product-manuals

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Wireless Music Streamer

RoHS