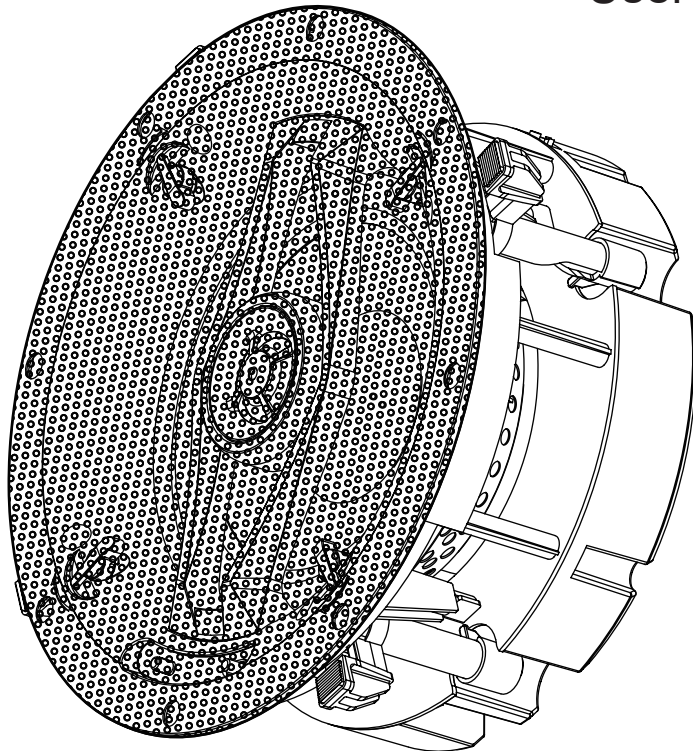


Arylic

WBC65

User Manual



**6.5" FIBER GLASS IN-CEILING
WIRELESS SPEAKERS**

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1. Introduction

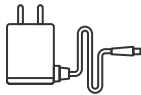
WBC65 is a 2-way 6.5" ceiling speaker with 50W WiFi and Bluetooth amplifier built-in. You can stream music from your smart device, NAS or streaming services such as Spotify, Tidal, Deezer, Qobuz, Amazon Music and others by 4Stream APP, Airplay, Bluetooth or other DLNA apps. By adding multiple WBC65 to your network you can setup a wireless multiroom whole house audio system, it will give you totally new and great experience to play and enjoy your music.

2. What's in the Box

Master speaker in stereo set and mono:



Master Speaker x1



Power Adapter x1



User Manual x1



Screw Driver x1



Phoenix connector x1

Slave speaker in stereo set:



Slave Speaker x1



Phoenix connector x1

3. Main Features

- 6.5" Kevlar bass cone driver rubber overhang.
- 1" aluminum dome driver EOS waveguide design.
- 50W LF @4ohm, 15W HF@8ohm full digital amplifier.
- Can hook up a slave speaker to become stereo speakers.
- Streaming music via network without distance limitation or Bluetooth 5.0 up to 15 meters.
- Spotify connect, Airplay, Qplay, DLNA, UPnP streaming protocols supported.
- Support streaming source from online services, smart device, NAS, Bluetooth and Line in.
- Multiroom streaming enabled by multiple units connected in same network.
- All music sources can be restreamed in sync to other models from us.
- Spotify, Deezer, Tidal, Qobuz, Amazon Music, Napster, Pandora, Internet Radio, iHeartRadio, TuneIn, QQMusic, lots of online streaming services integrated to use in the app.
- Free iOS and Android app available.
- Free global online update for new features.
- EQ adjustment via app or remote controller.

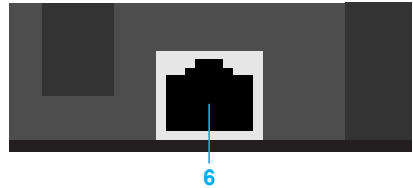
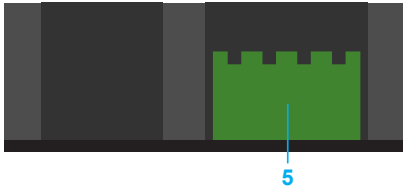
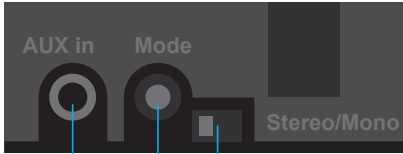
4. Specification

Master Speaker (Stereo set / Mono)		
Connections		
Power Supply	24V/4.16A	
Audio Input	AUX (3.5mm)	Max 1V RMS input
	Bluetooth 5.0	AAC FLAC
Audio Output	Speaker out	
Network	WiFi	2.4G
	LAN	RJ45
Stereo / Mono Switch	Switch Stereo / Mono Output: Stereo: Master speaker output Right channel, Slave speaker output Left channel Mono: Left + Right Channel for both speakers	
Mode Button	Change Source Mode: WiFi / BT / AUX in	
Speaker		
Bass	6.5 inch kevlar bass cone driver rubber overhang	
Tweeter	1 inch aluminum dome driver EOS waveguide design	
Sensitivity	Bass: 86±3dB	
Size	23cmx10.5cm (deep)	
Amplifier		
High/Low Frequency	LF 4Ω 50W*2	
	HF 8Ω 15W*2	
Frequency Response	LF: 60Hz-2500Hz HF: 3000Hz-20000Hz	
Signal Noise Ratio	≥85dB	
THD+N	<0.9%	
Crosstalk	>55dB	

Slave Speaker (Stereo set only)		
Connections		
Audio Input	Speaker Out	
Speaker		
Bass	6.5 inch kevlar bass cone driver rubber overhang	
Tweeter	1 inch aluminum dome driver EOS waveguide design	
Sensitivity	Bass: 86±3dB	
Size	23cmx10.5cm (deep)	

5. Interface

Master Speaker (Stereo set / Mono):



1. Aux in: Connection to external audio source
2. Mode button: Short press to switch input source
Short press twice to reset WiFi/BT connection
Short press three times to do factory reset
Long press to turn off the device, press again to turn on
3. Stereo/Mono Switch: Switch between stereo or mono mode, if you connect the slave speaker, switch to stereo mode
4. DC in: For connection of power adaptor
5. Speaker connection: Phoenix speaker connector to connect slave speaker
6. LAN: Lan port for ethernet connection

Slave Speaker (Stereo set):



1. Speaker connection: phoenix speaker connector to connect master speaker

6. Installation

Tools needed for installation

- Pencil
- Drill
- Tape Measure
- Wire cutter
- Phillips-head screwdriver
- Sandpaper
- Utility knife
- Safety eyewear
- Gloves

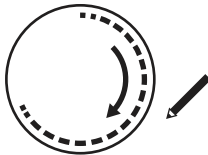
Quick installation guide

- Where is the best place to install the speakers
- Where do the speakers sound the best?
- Try to separate the speakers 6- 10 feet apart.
- When placing the speakers in the ceiling, try to install them so that the fixed 150 angle woofer is pointed towards the main listening area. (For LCR model only)
- If you intend to paint the gills, try to do so before installation.

STEP 1

Trace along the inclusive template. Cut along the traced line using a drywall saw or rotary drill. A simple, inexpensive drywall saw (about \$10 at your local hardware store) is the best choice for beginners. Caution: This is the most important part of the entire installation. If you are not certain whether any obstructions exist behind the desired mounting area, you should start by cutting a small hole in the center of your penciled mounting hole with a drywall saw. Use a piece of sandpaper to sand down the cut out edge for a smoother contour. (See [Diagram 1](#) and [Diagram 2](#))

Diagram 1:
Cutout tracing



Speaker wire

To determine the length and the gauge of speaker wire, you will need to - Measure the distance from the receiver/amplifier to the speakers.

- Measure the distance from the receiver/amplifier to the speakers.
- Always buy more than you think you would need.
- Equal wire lengths should always be used to maintain an equal balance in sound volume.
- Sound quality is lost when using thin wire gauge over a long distance.

18AWG minimum - for distances up to 10 ft

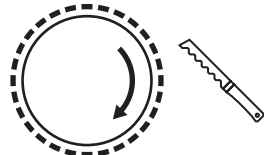
16AWG - from 10 to 50ft

14AWG - from 50 to 100ft

STEP 2

Run the cable into the cut out location while leaving an extra two feet to make the connection to the speaker easier. Strip back approximately 1/2 inch of the speaker cable insulation and twist the copper wires tightly for easy insertion. On the back of the speaker, press down on the gold-plated compression terminal to reveal the "eye" and insert the speaker cable through the eye for secure connection. Release the compression terminal to lock each cable securely.

Diagram 2:
Cut Out

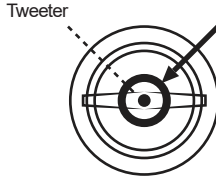


STEP 3

Your in-ceiling speakers come from the factory with the tweeter facing straight out from the baffle. This will result in the overall smoothest response. However, you can adjust the tweeter to focus the sound at your listening location. In order to do this, gently press on the grill (See Diagram 3). Caution: Do not touch the tweeter dome while adjusting for your hearing preference. (See Diagram 3)

Diagram 3:

Adjust the tweeter here

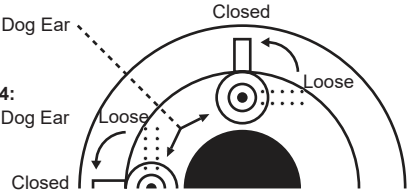


STEP 4

Tighten the dog-ear brackets by simply turning the screws on the speaker's front baffle. Use a Phillips head screwdriver to turn the screws slowly clockwise. The quick-turn mounting system and frame will "sandwich" or clamp around the wall to hold the speaker securely in place. (See Diagram 4)

Diagram 4:

Mounting Dog Ear



7. How to Use

7.1 APP Download

Download the 4 Stream application from App Store for iOS based devices and Google Play Store for Android based devices.

The application supports English, Spanish, French, German, Italian, Portugese, Korean, Simplified Chinese, Traditional Chinese and Japanese



7.2 Connection

7.2.1 First time usage & BLE WiFi Setup

- 1) Hold the Mode button then plug in the power cable.
- 2) The LED light will start flashing, release the button and wait till the LED flash slowly.
- 3) Make sure your mobile has connected to your home network using 2.4G and your GPS and Bluetooth is on.
- 4) Open 4Stream APP, for Android device, the system will ask for permission to use GPS data & File storage, please click accept to continue.

This GPS permission is setup by Google for BLE usage, once setup is finish you can go to system settings and disable it, file storage permission is to let 4Stream access your mp3 files store in your mobile.

- 5) 4Stream APP will list out all the device available for setup, choose the one you want.
- 6) 4 Stream APP will then ask you to choose the network you want the device to connect to, choose the one you want to connect.
- 7) Now enter password for your network, if this is not the network you want the device to connect, you can change it to the desire one.
- 8) Once connection is finished, it will automatically check for new updates.
- 9) Then you can change the name of the device. You can select a preset one or enter your own.
- 10) After you define the name of the device, you will see it appears in the device list in 4stream app and now you can start streaming music.

* If you change to another router, or the password of the connected router has been changed, please long press POWER button for 5 secs in WiFi mode to reset the connection.

* Hold **Mode** button then plug in the power can force the device to enter WiFi mode. If you have setup router connection before, the device will auto connect to that router.

There is another way to setup Wifi if the above method has failed:

1. Hold the Mode button then plug in the power cable.
2. The LED light will start flashing, release the button and wait till the LED flash slowly.
3. Goto your mobile WiFi settings and search for SoundSystem_xxxx WiFi and connect.
4. Open 4Stream APP and you should see the SoundSystem_xxxx list in the device list.
*Your mobile might ask if you want to stay using this WiFi connection, click yes.
6. Click on the "+" icon on the top right corner to add device. The app will prompt you to select the router SSID you want your Up2stream device connect to (enter password if required) and select continue.
7. Once connected, you can change the name of the device. You can select a preset one or enter your own.
8. After you define the name of the device, you will see it appears in the device list in 4stream app and now you can start streaming music.

* Attention for Android users Different brand mobile phones may ask you to allow to use SoundSystem WiFi network, please choose yes, if not, you may not able to set up successfully. It may also ask you to authorize other things, please choose yes or it may affect your use.

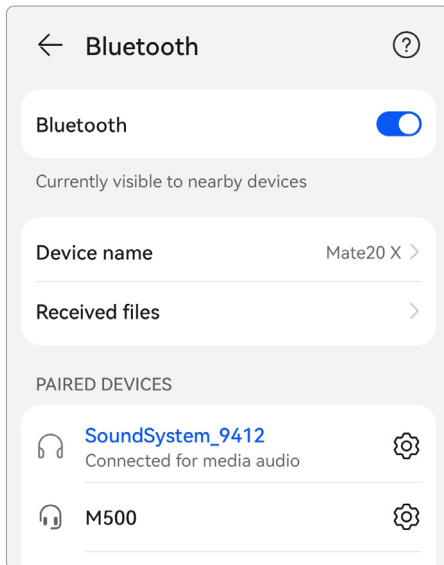
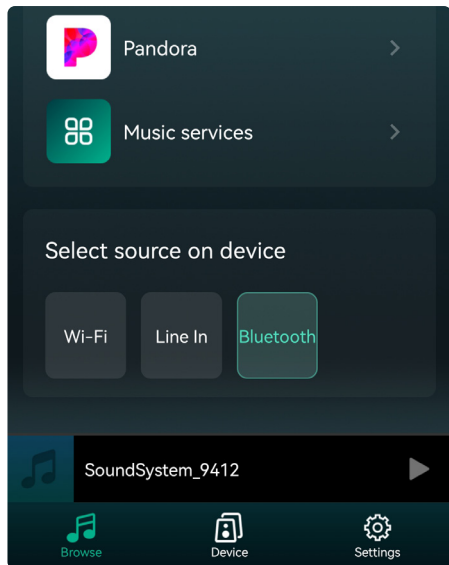
7.2.2 Connection via LAN

Plug in the wired cable to the RJ45 Ethernet, the device will show on the app in about 10 seconds.

(Note: The mobile phone and the device must be in the same network)

7.2.3 Bluetooth

To use Bluetooth, please switch to bluetooth via app or by remote controller, then find bluetooth device **SoundSystem_XXXX** from your phone bluetooth setting and pair it .



7.3 App Features

7.3.1 Device setting

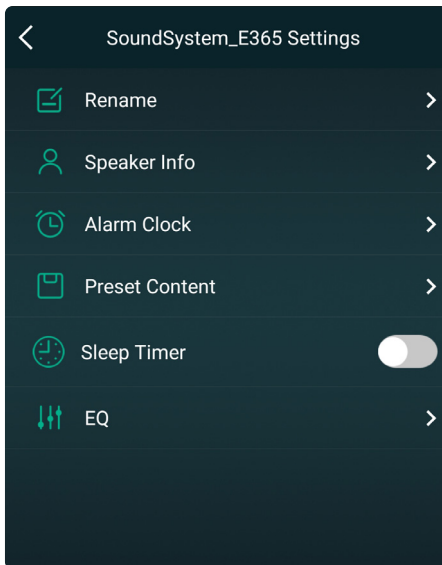
Rename: Change the device name.

Speaker info: Display device information like IP address, Mac address, SSID, firmware version, factory reset, etc.

Alarm Clock: Setup up to 4 different alarm clocks with music of your choice.

Preset Content: 10 Preset content buttons.

Sleep Timer: Countdown to turn off the device.



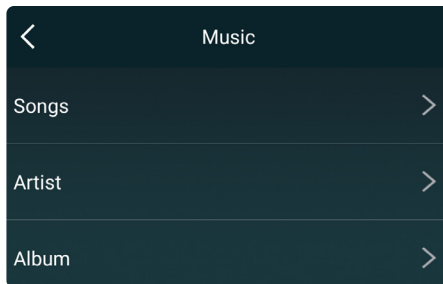
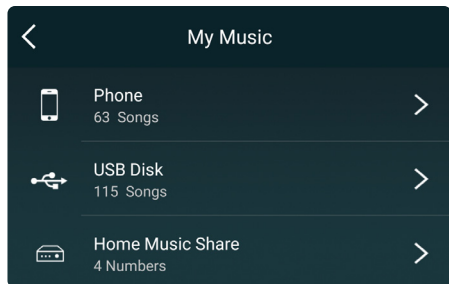
7.3.2 To play local storage music

Click the “**My Music**” on the Application and choose the Music ready there.

NOTES: The iOS based devices have blocked the access to iTunes library.

7.3.3 To Play Music From NAS

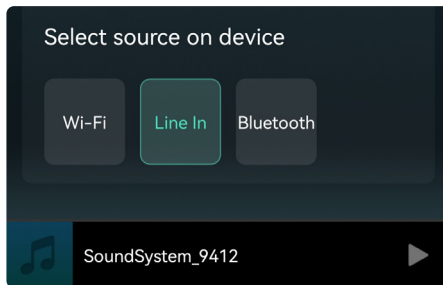
Please note that our system only support NAS with DLNA feature.



7.3.4 To Play Line in Mode

Connect the AUX cables to the TV or other audio sources.

Choose line in mode on the application or remote control.

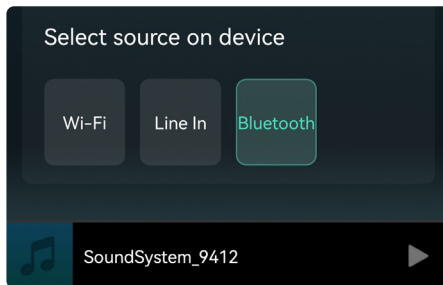


7.3.5 To Play Bluetooth Mode

Choose the Bluetooth mode on the application or remote control, the LED will change to blue.

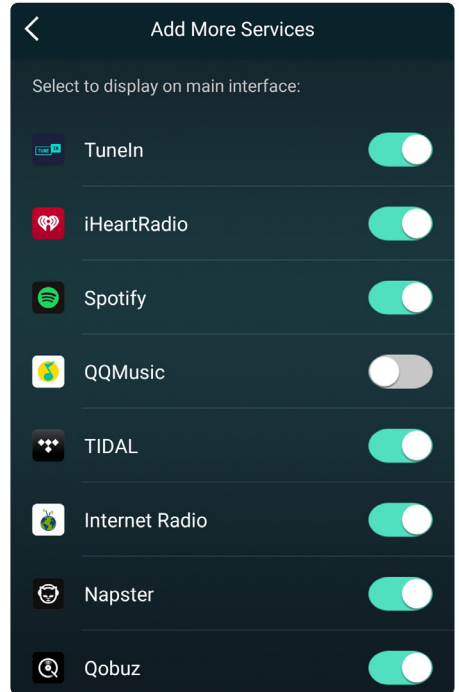
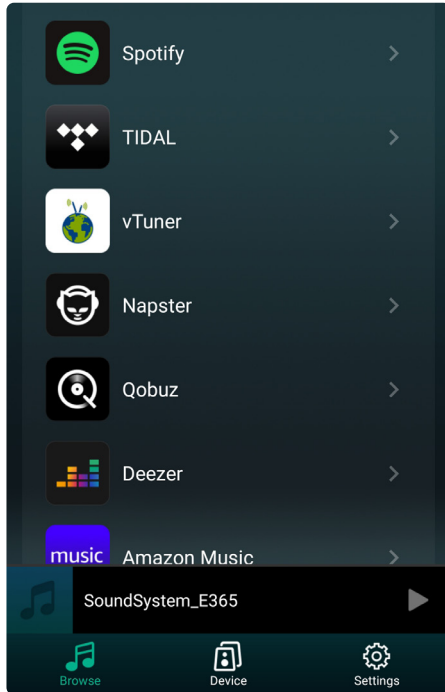
Open the Bluetooth on your mobile device.

Pair the device Bluetooth (SoundSystem) and play.



7.4 Streaming Services

To use the online streaming services, iHeartRadio, Spotify, Tidal, Qobuz and Deezer may need to register account at the service provider platform.

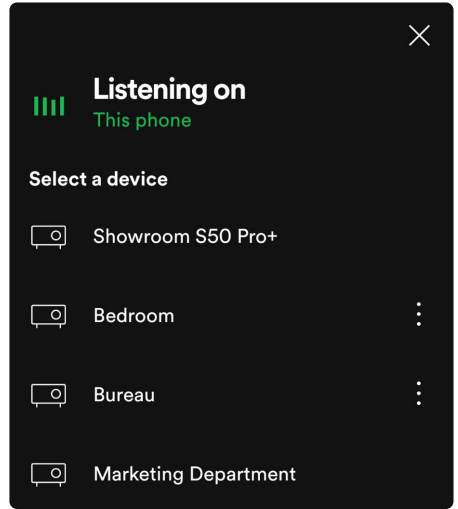


7.4.1 Spotify

To use Spotify, you have to own spotify premium account.

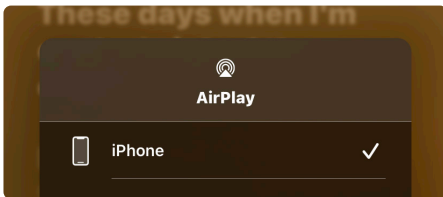
You will find the device in the device list on the Spotify application and choose the device you want to play.

NOTE: one Spotify account can only streaming to one device at a time.



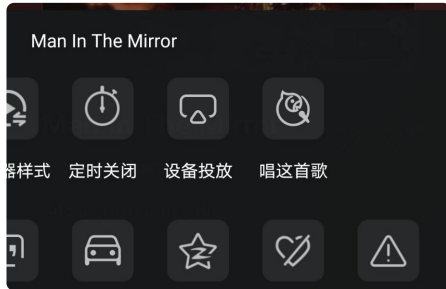
7.4.2 AirPlay

The Device Supports AirPlay1, You can Choose the AirPlay and Play Music.



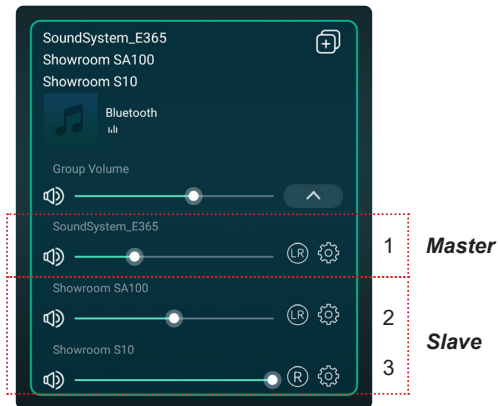
7.4.3 Qplay

Our Devices Support QQ Music. using the Qplay protocol, you have to turn on the Qplay in the QQ Music player setting and then find the device in the Qplay list.



7.5 Multiroom and Multizone

Users can group multiple rooms and zones on the application. For example, you can group devices 1, 2 and 3 to play the same music in sync, 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.



7.5.1 Add / Remove Device to Multiroom

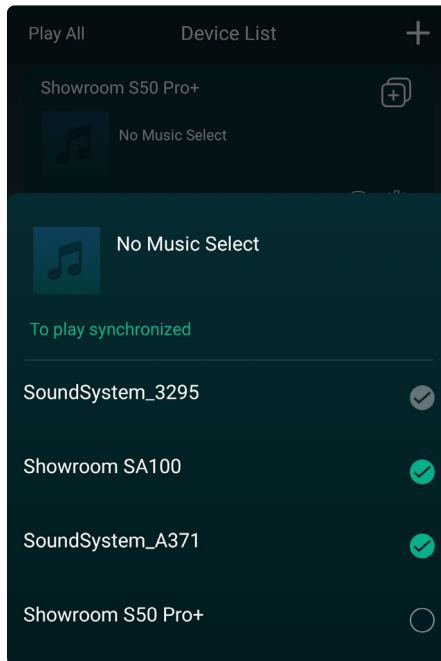
In order to add device to multiroom function, click on the “+” mark of the device you want to be the master device.

A list of available devices will pop out and you can select the device you want to add as slave device. Click the Done button when finished.

The gray tick icon represents the master device and green tick icon represent the slave device.

To remove device from multiroom function, click on the “+” mark again to bring up the device list, and unselect any slave device you want to remove. Then click on the Done button to confirm.


If all the slave device is removed, multiroom function will disable.



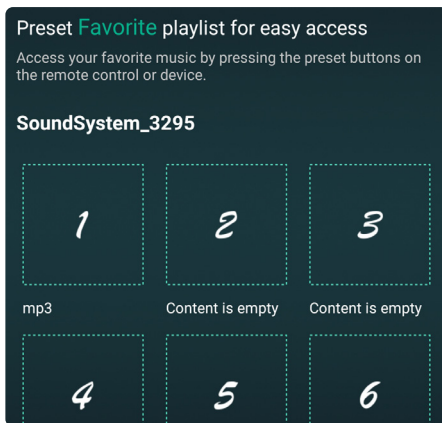
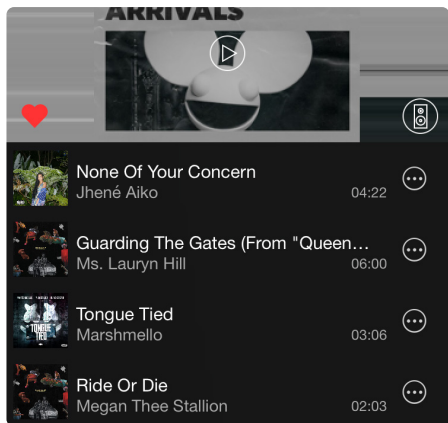
7.6 Left and Right Channel

Users can choose the right channel or left channel or stereo mode on the application, or choose left channel on device A and choose right channel on device B, and group them together and play in sync to make stereo.

7.7 Preset

There are 6 buttons on the remote control, users can preset play lists (Only the lists with speaker icon  can preset) on the application from 1~6 for example, then when you press button 1 on the remote, the preset list 1 will play.

(Users can Preset 10 Playlists on the Application, but the remote control can only save from 1-6).



7.8 Source mode Change

Method 1: Change on Application

Users can change play mode on the application, WiFi, Bluetooth, Line input. To change from Bluetooth/line input to WiFi, only need choose the online streaming services such as Tidal, Qobuz or Spotify or cell phone local storage music or any music via DLNA or UPnP streaming.

Method 2: Press the Mode Button

User can press the mode button once to switch source mode, WiFi, Bluetooth, Line input, USB.

7.9 Restore Factory Setting

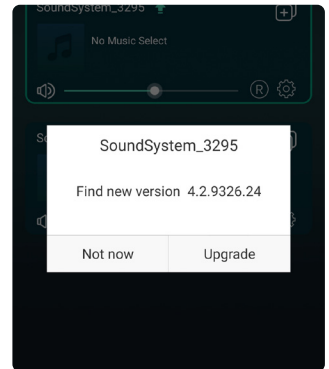
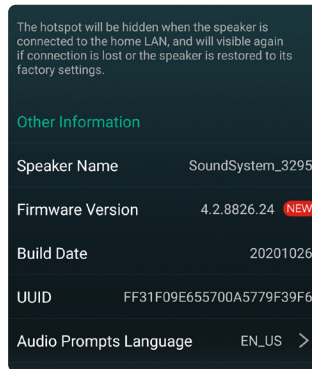
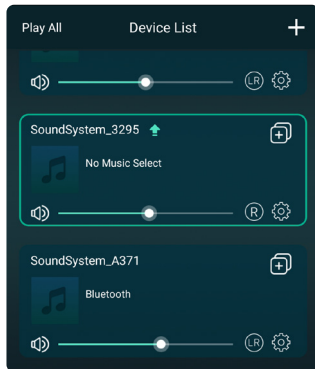
Two methods to restore device to factory setting

Method 1: Quickly press the Mode button 3 times to restore factory settings.

Method 2: Go for "App setting - speaker info - restore factory setting"

7.10 Firmware Update

The application will notify you in app when there is a new fireware version available. It's recommended to update fireware whenever available as this might not only correct bugs or improve security, but also can add new features or services.

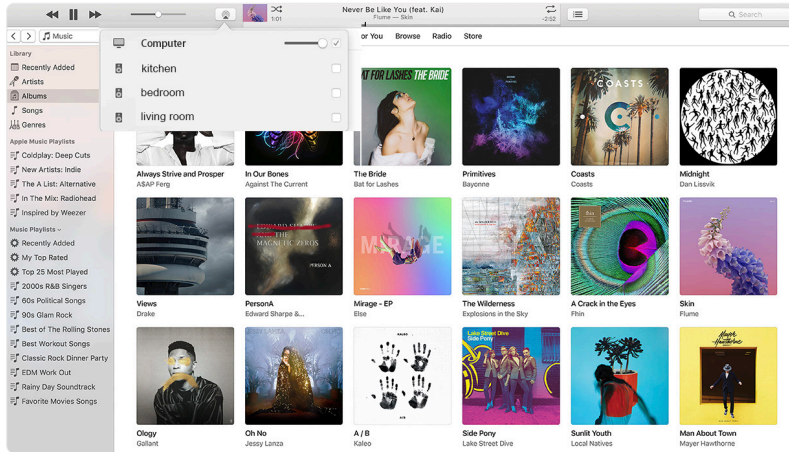


8. Play on PC

There are Several Tools to Play Music from the PC

8.1 To Play Music From iTunes on Mac and Windows PC

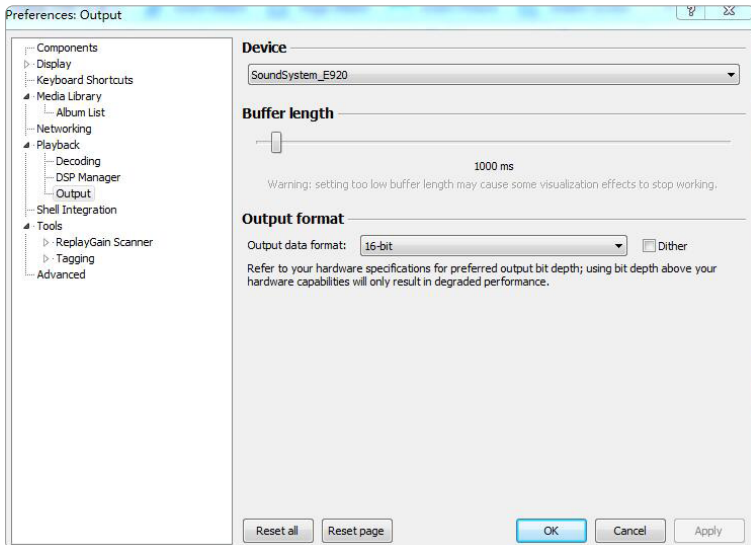
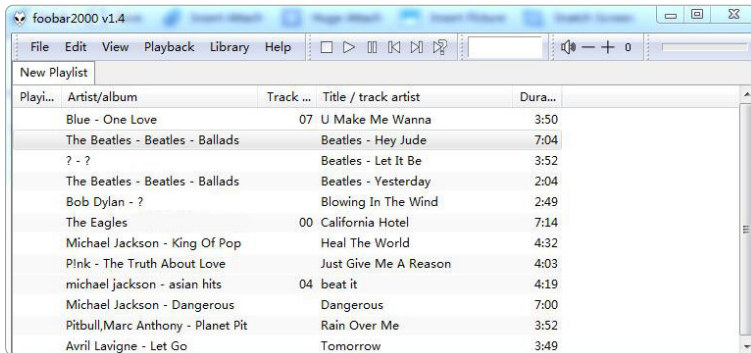
Our devices can stream audio sources from local storage, media library in Mac and Windows PC and online services from iTunes. Users can easily play and switch music, control volume and choose the audio devices to group and upgroup the audio devices.



8.2 To Play Music From Windows PC via Foobar2000

Our Devices Support UPnP Protocol, With the Popular Foobar2000, You can Play Music from Windows PC to Our Devices. Please follow the steps below:

1. Download the Foobar2000 and install it.
2. Refer to the doc how to add UPnP component at our website download column.
3. Refer the link below how to add UPnP Component http://wiki.hydrogenaud.io/index.php?title=foobar2000:How_to_install_a_component
4. Restart the Foobar2000, Then Check: *Library> configure> output> device, you will see the PLAYER in device option column.*
5. Choose the Device to Play the Music.



FAQ

Q: Do your devices support airplay and third-party DLNA apps?

A: Yes. They support airplay and third - party apps like Bubble UPNP...

Q: How many zones can you group in one system?

A: 12 rooms is the maximum, while 8 zones are recommended.

Q: What distance can your wireless audio system cover?

A: Once the system is connected to your WiFi router, you can stream your music anywhere there is a WiFi signal.

Q: Can it play high resolution music?

A: Yes. Our devices can play APE and FLAC within the normal bit rate range. They also support decoding 24bit/192kHz music files.

Q: How many languages do you support?

A: Our devices will auto-detect your mobile device language and change automatically. Currently, we support English, French, German, Spanish, Chinese, Portuguese, Korean and Japanese and more on the way.

Q: What online music services do you support?

A: Spotify, Deezer, Quboz, Tidal, iHeartRadio, TuneIn, Napster, and more, with more pending.

Q: Can I play local music?

A: Yes. You can play music from "MY MUSIC" on the application from local storage devices such as mobile device storage, USB thumb drives and NAS.

Q: Can the device work with Windows devices?

A: The Windows application is not available at the moment, but on the Windows PC, users can use iTunes, Foobar2000 and Spotify connect.

Q: Can all music sources play in multiroom mode?

A: Yes, the online streaming music, line input and Bluetooth all can play multiroom mode.

Q: Does your device support Google Assistant or Alexa?

A: Our devices donot support Alexa, yet through Bluetooth, our device can work with Google Assistant.

Scan the QR codes below for more

Support and After Service : info@arylic.com



www.arylic.com



4STREAM App



Facebook: arylicme



YouTube: Arylic



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