

A-30+

User's Manual



Wireless Streaming Amplifier



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1. Introduction

A30+ is a WiFi and Bluetooth 5.0 stereo amplifier. By adding A30+ to your current stereo system will enable you to stream music from your smart device, USB, NAS or online streaming services such as Spotify, Tidal, Qobuz and many more using our free to download 4Stream APP, Airplay or DLNA apps. By adding multiple units to your home audio system, you can setup a wireless multiroom whole house audio system, it will give you new and great experience to enjoy your favorite music.

2. What's in the box



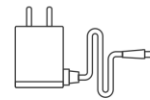
Main Unit x1



User's Manual x1



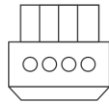
2-1RCA Cable x1



Power Adapter x1



Remote Control x1



Screw Terminal
Block Connector x1



Screw Driver x1

3. Main Features

Streaming music via network without distance limitation or Bluetooth5.0 up to 15 meters.

Bluetooth for true high resolution music.

Spotify connect, Airplay, Qplay, DLNA, UPnP streaming protocols supported.

Support streaming source from online services, smart device memory, USB pen drive, NAS, Bluetooth and line in.

Multiroom and multizone streaming enabled by multiple units connected in same network.

All music sources can be restreamed in sync to other models from us.

Airplay, Spotify Connect, Qplay, DLNA, UPnP protocol and 3rd party app compatible.

High quality music streaming support, sample rate decoding up to 24bit, 192kHz.

Spotify, Deezer, Tidal, Qobuz, iHeartRadio, TuneIn, Napster, lots of online streaming services integrated to use in the app.

Free iOS and Android app available.

Free global online update for new features.

Full function remote controller to use without mobile device.

Line input for more possible external audio input

EQ adjustment via app or remote controller.

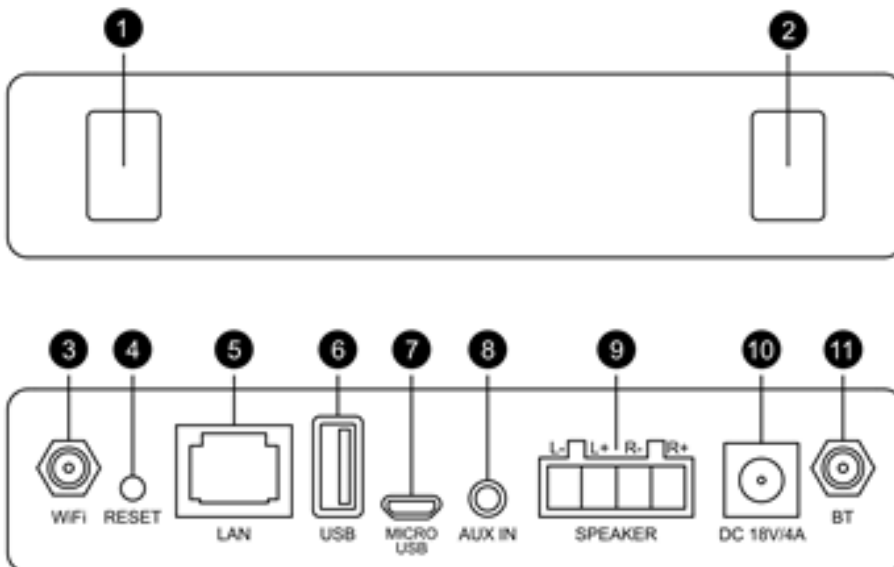
Preset playlist available for quick access, shortcut buttons on remote controller for quick access.

iTunes working with PC streaming .

4. Specification

Connectivity	Wireless network	IEEE802.11 b/g/n 2.4G
	Ethernet	Single 10/100M RJ45
	BT	5.0
	USB Host	Play USB music
	Micro USB	Connect PC as external DAC
Power Input	18V/4A	
Audio Input	3.5mm Line in	
Frequency response	20Hz to 20kHz	
Speaker Power	2x35W@4Ω load at 18V, 2x18W@8Ω load at 18V	
THD+N	0.03% @1kHz	
Speaker Impedance	4-8ohms	
Music Format	FLAC/MP3/AAC/AAC+/ALAC/APE/WAV	
Decoding	Up to 24bit/192kHz	
Protocols	AirPlay, DLNA, UPnP, Spotify Connect, Qplay	
Dimensions	131.8mm*85.5mm*27mm (5.18in*3.37in*1.06in)	
Weight	0.35kg (0.77lb)	

5. Interface

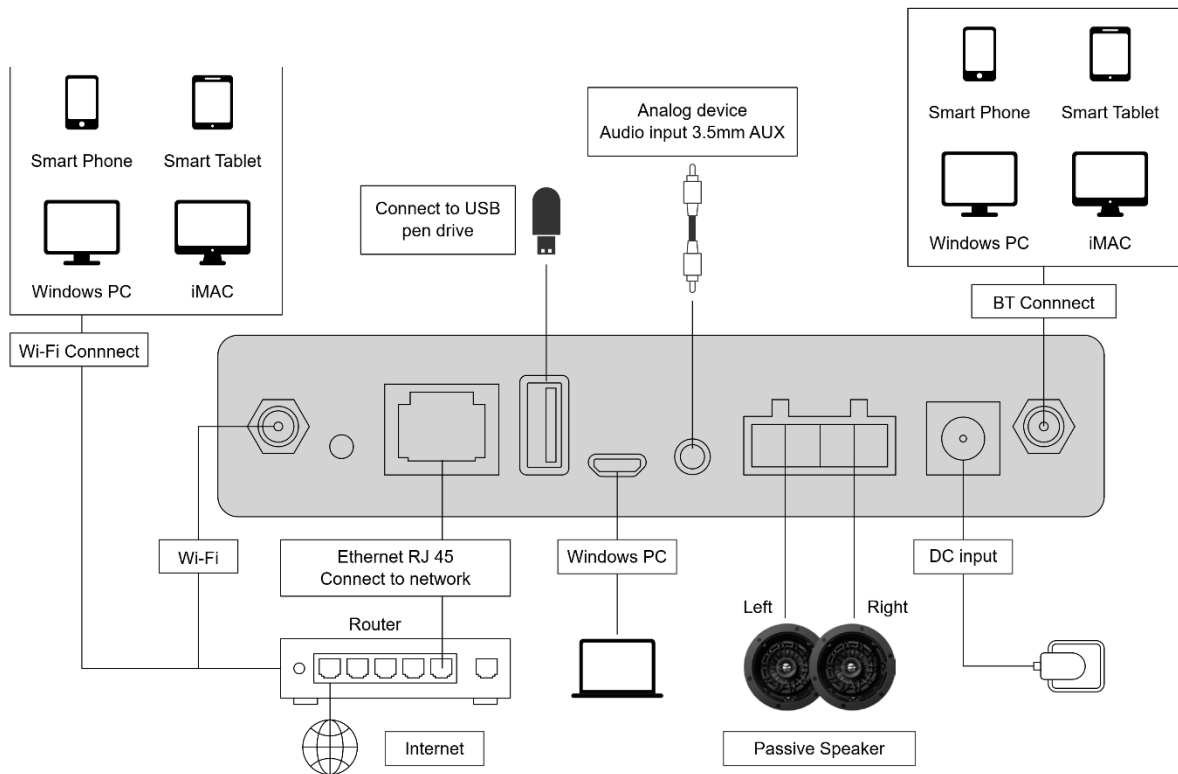


1. **LED:** To show the device status.
2. **IR Receiver:** For remote control.
3. **WiFi Antenna connector:** To connect antenna for WiFi.
4. **RESET:** Short press once: Switch input mode;
 Long Press: Switch on/off;
 Short Press twice: Re-pair Wifi or Bluetooth in Wifi or Bluetooth mode;
 Short Press three times: Restore to factory settings.
 *When device is off, just short press the power button to active the device.
5. **LAN:** Wired connection to your router.
6. **USB Host:** To connect USB pen drive.(1024 tracks at most)
7. **Micro USB:** For connection to PC to act as external DAC.
8. **AUX IN:** For external audio sources from TV, CD player and so on.
9. **SPEAKER Out:** Connect to passive speakers.
10. **18V/4A:** Connect to DC input.
11. **BT Antenna Connector:** To connect antenna for bluetooth.

6. Remote controller



7. Connection diagram

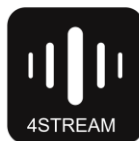


8. How to use

8.1 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



8.2 Connection

8.2.1 First time usage & BLE WiFi Setup

- 1) Hold the POWER 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 POWER 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.

8.2.2 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)

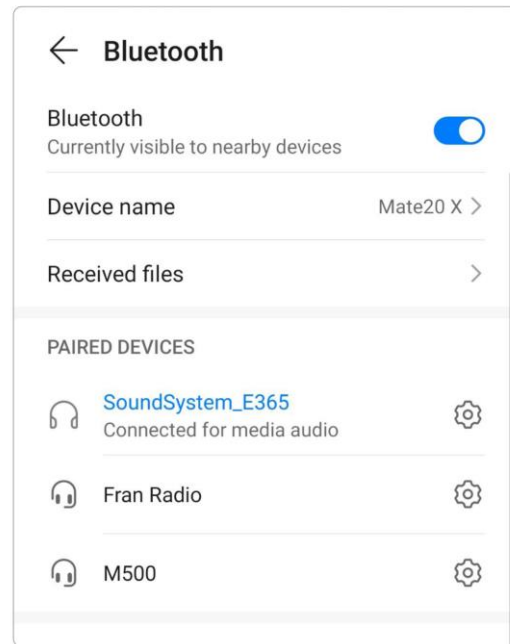
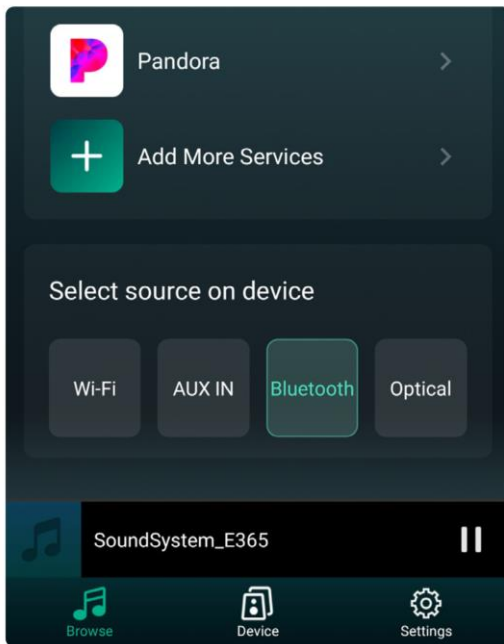
There is another way to setup Wifi if the above method has failed:

1. Hold the POWER 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.

8.2.3 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 .



8.3 App Features

8.3.1 Device settings

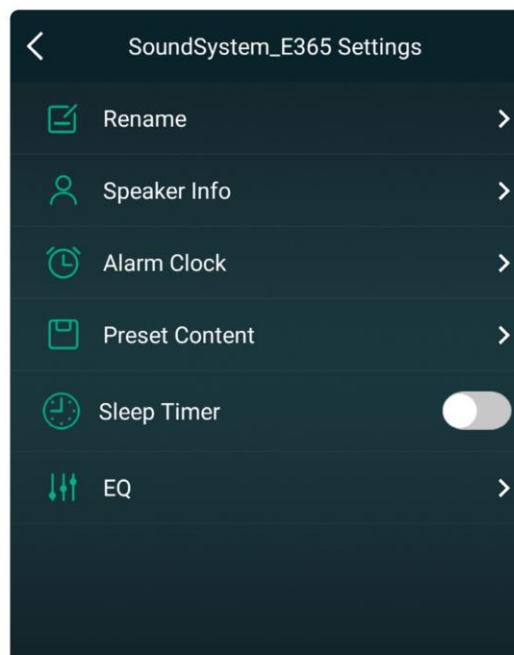
Rename: Change the device name.

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.



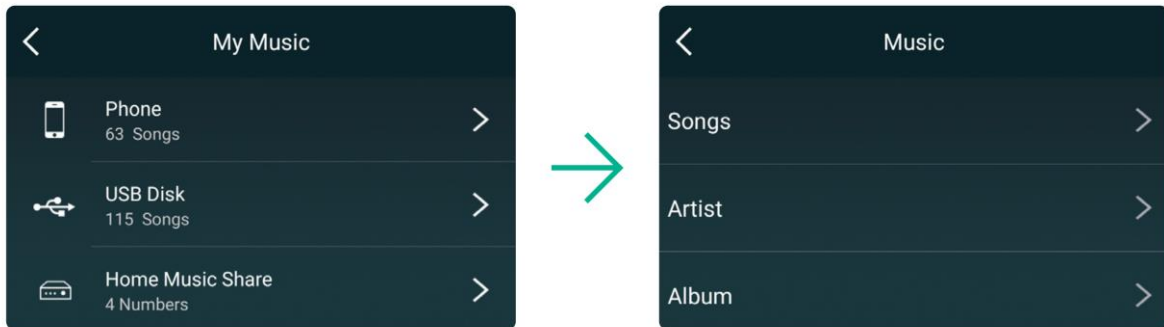
8.3.2 To play local storage music

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.

8.3.3 To play music from NAS

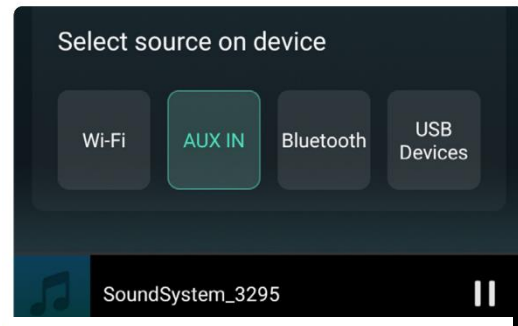
Please note that our system only support NAS with DLNA feature.



8.3.4 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.

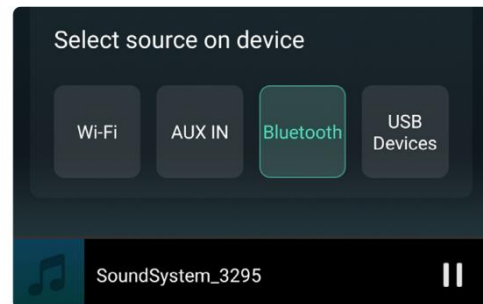


8.3.5 To play Bluetooth Mode

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

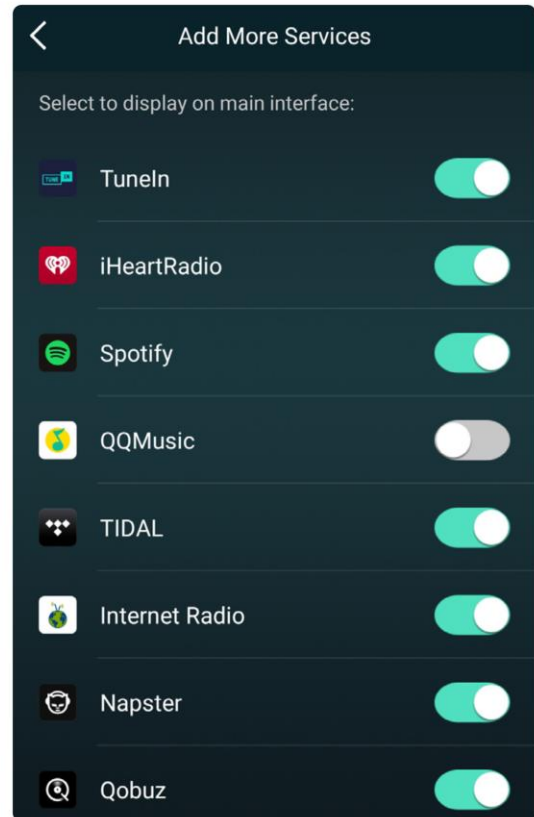
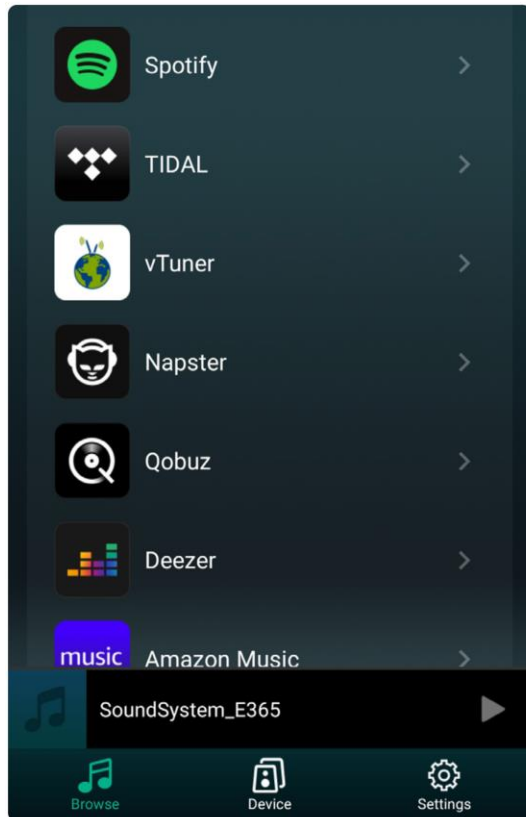
Open the Bluetooth on your mobile device.

Pair the device Bluetooth (SoundSystem) and play.



8.4 Streaming services

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

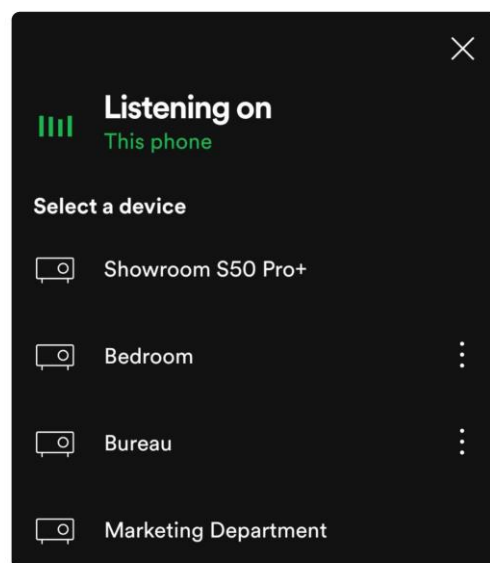


8.4.1 Spotify

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.



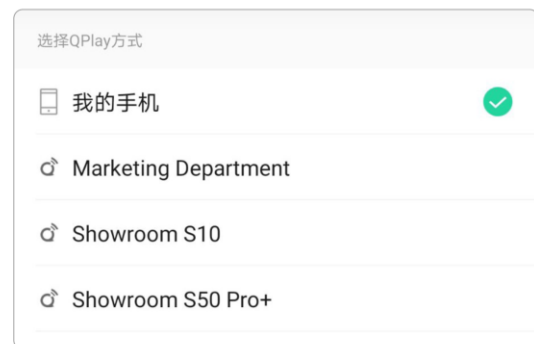
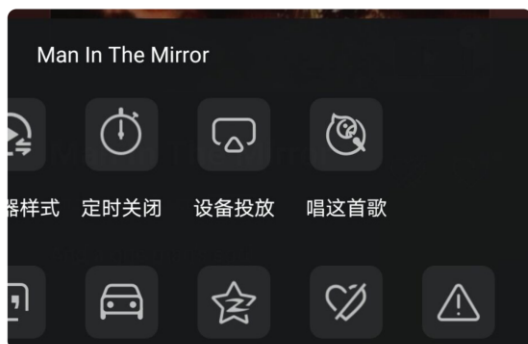
8.4.2 AirPay

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



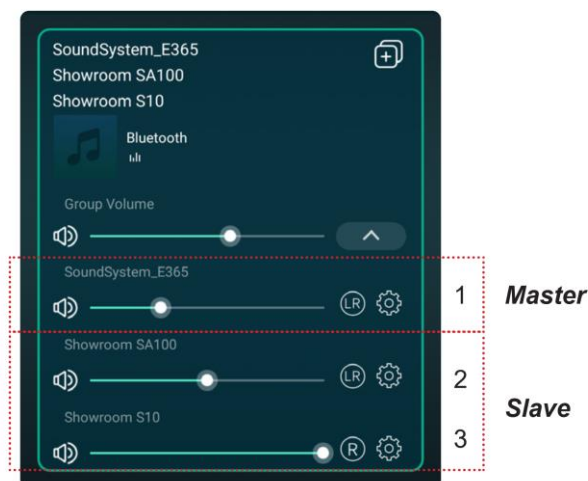
8.4.3 Qplay

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.



8.5. 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.



8.5.1 Add/remove device to multiroom

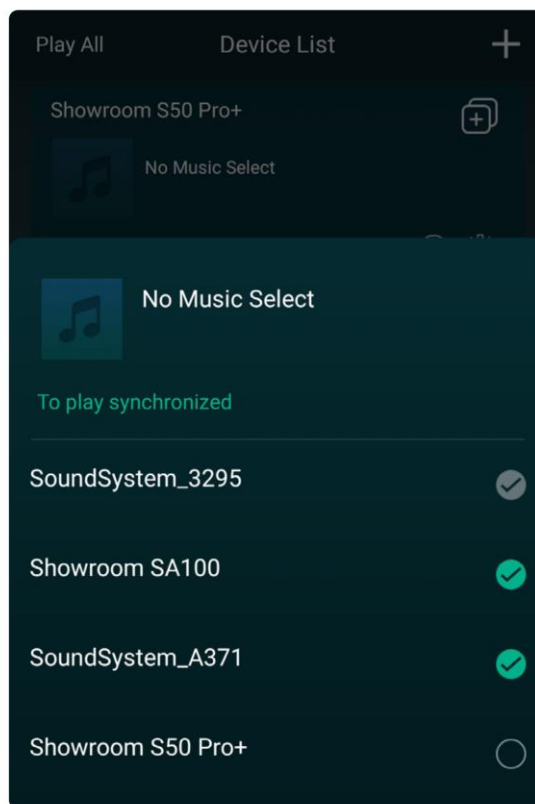
In order to add device to multiroom function, click on the "+" mark of the device you want to be the master device.

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.



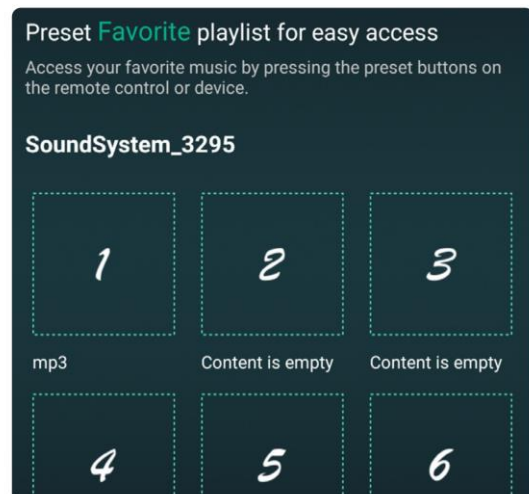
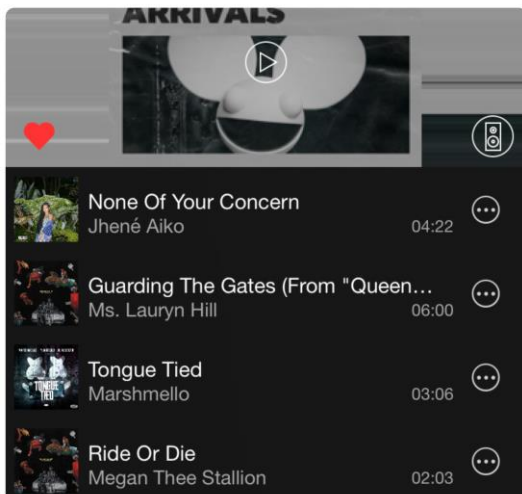
8.6 Left and Right Channel

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.

8.7 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).



8.8 Source mode change

Method 1: Change on Application

Users can change play mode on the application, WiFi, Bluetooth, Line input and USB. To change from Bluetooth/line input/USB 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: Change with remote control

Users can use the remote control to change the play modes-WiFi, Bluetooth, Line input and USB.

Method 3: Press the Reset Button

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

8.9 Restore Factory Setting

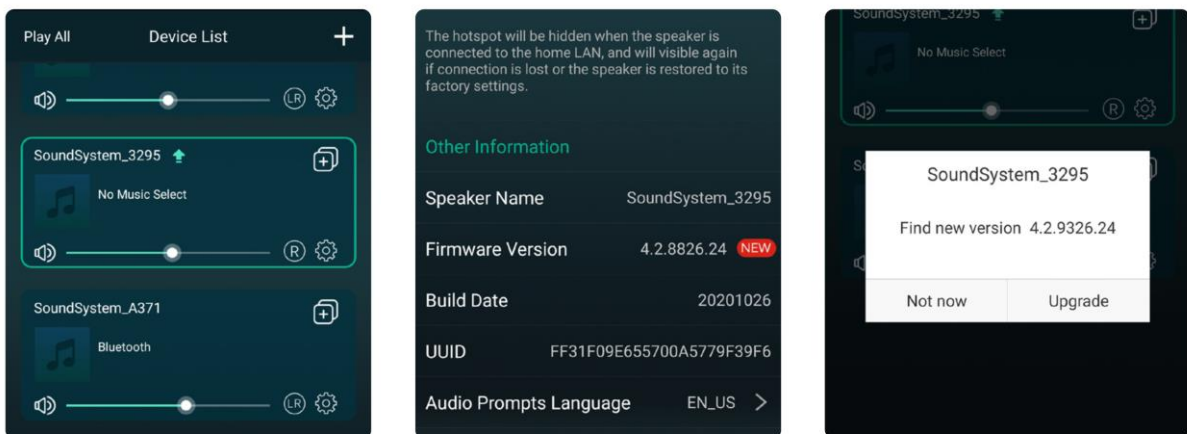
Two methods to restore device to factory setting

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

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

8.10 firmware update

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

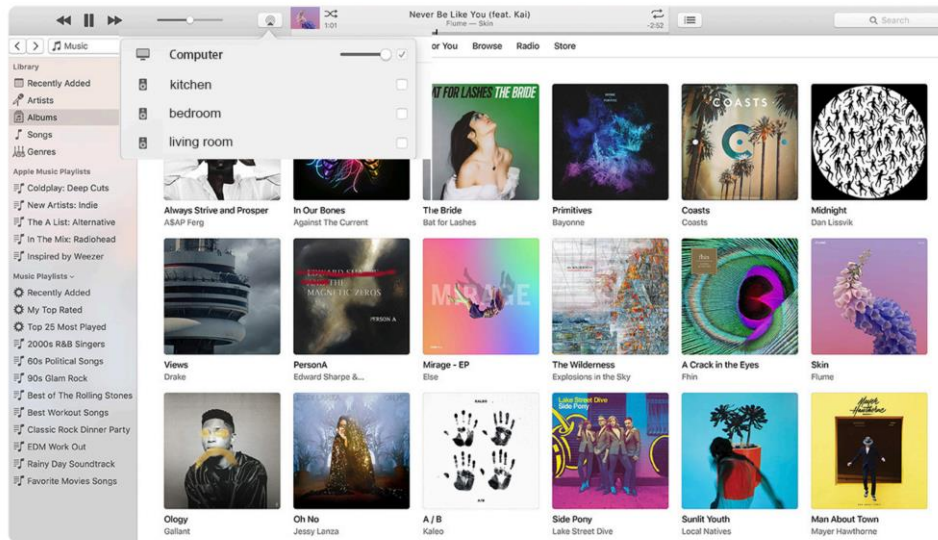


9. Play on PC

There are Several Tools to Play Music from the PC

9.1 To play music from iTunes on Mac and Windows PC

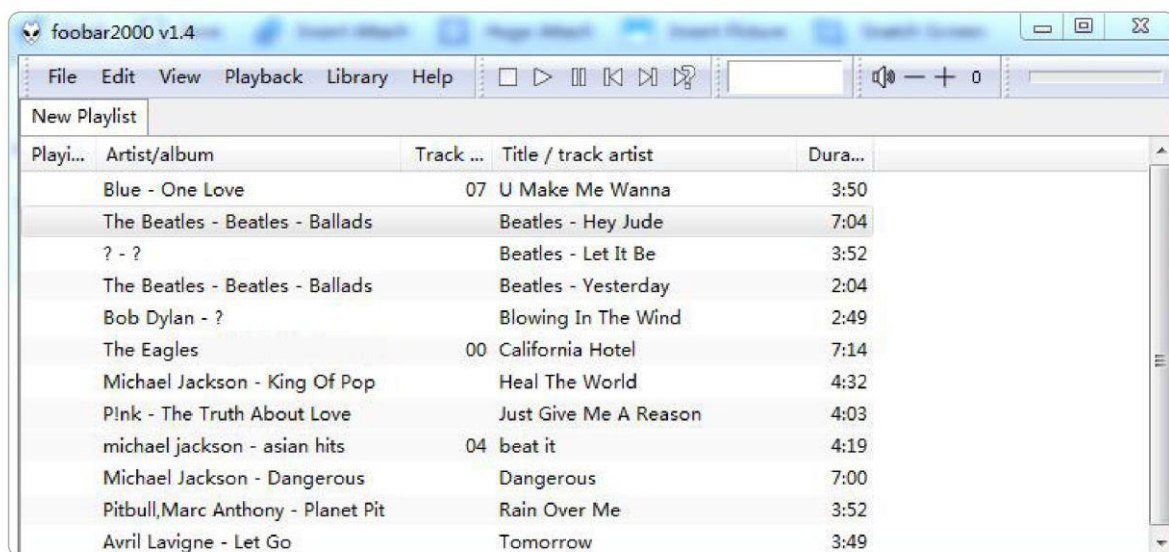
Our devices can stream audio sources from local storage, media library in Mac and Windows PC and online services from iTunes. Users can easily play and switch music, control volume and choose the audio devices to group and upgroup the audio devices.

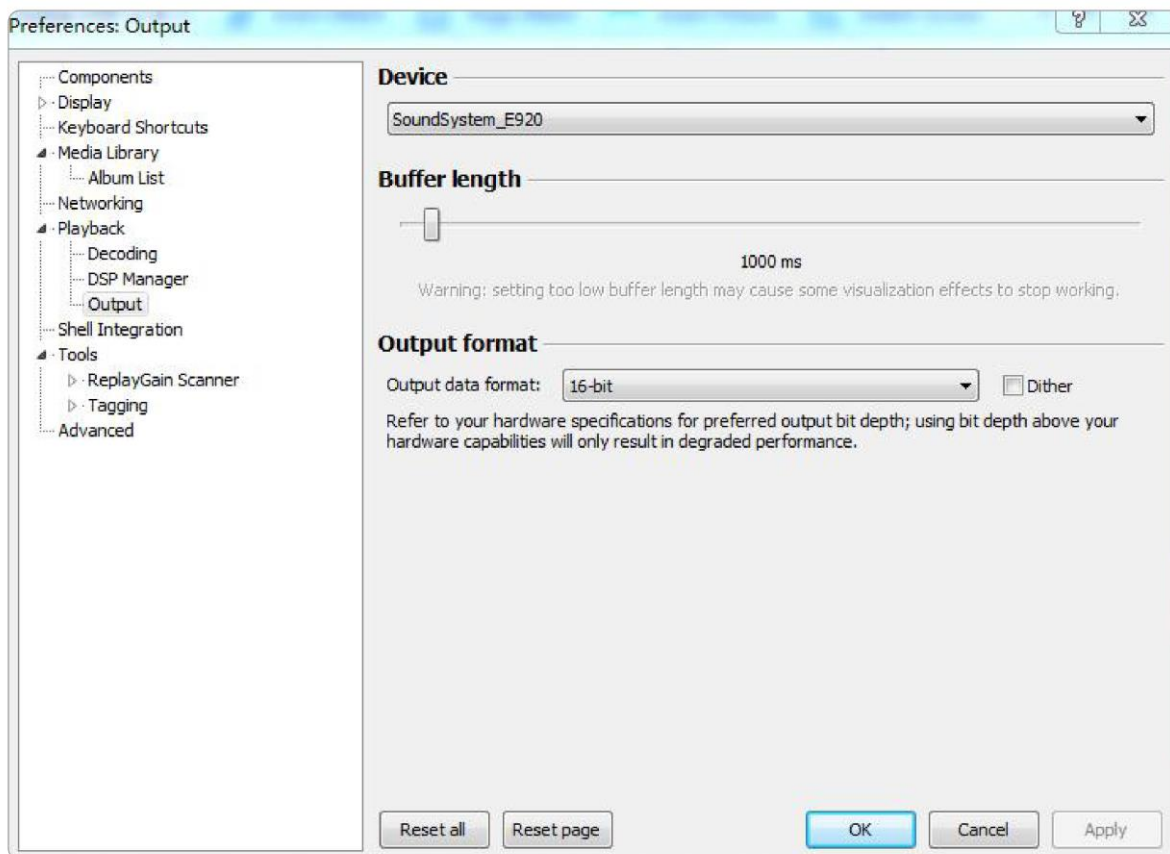


9.2 To play music from Windows PC via Foobar2000

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.





9.3 USB Audio

Connect the device to your PC with USB cable (make sure it's a data cable including the signal wires). The PC will automatically discover a USB sound card, and when you select it as the system main output, the PC will send the audio output to the device in digital (44.1KHz/16bits). You can stream to other devices over multiroom connection. NOTE: there's about 3 seconds delay when in multiroom playback mode than the audio source.

10. Up2Stream ACPWorkbench (sell separately)

Connect the Up2Stream device to your PC with USB cable (make sure it's a data cable including the signal wires). And open the program ACPWorkbench (only support Windows.), and you can tune audio effects conveniently, including Music Noise Suppressor, Virtual Bass, Stereo Widener, Exciter, 10 bands EQ, Configure output channel and PIN configs. After editing the audio effects, you can save the changes to the device so the tuned effects will remain. You can get more.