DW0235

User's Manual



Wireless Streaming Amplifier

Wireless | Spotify | AirPlay | Multi-Room | Internet Radio

www.dsppatech.com

Table of Contents

1. Introduction....1
2. What's in the Box....1
3. Main Features....2
4. Specification....3
5. Interface....4
6. Remote controller....5
7. Connection diagram....6
8. How to Use....6
   8.1 App Download....6
   8.2 Connection....7
      8.2.1 Option 1 - Connection via App....7
      8.2.2 Option 2 - Connection via LAN....8
      8.2.3 Option 3 - Bluetooth pair....8
   8.3 App features....9
      8.3.1 Device Setting....9
      8.3.2 To Play Local Storage Music....9
      8.3.3 To Play Music From NAS....10
      8.3.4 To Play Line in Mode....10
      8.3.5 To Play Bluetooth Mode....10
   8.4 Streaming Services....11
      8.4.1 Spotify....11
      8.4.2 AirPlay....12
      8.4.3 Qplay....13
   8.5 Multiroom and Multizone....13
      8.5.1 Add / Remove Device to Multiroom....14
   8.6 Left and right channel....15
   8.7 Preset....15
   8.8 Source mode change....15
   8.9 Restore factory setting....16
   8.10 Firmware Update....16
9. Play on PC....17
   9.1 To Play Music from iTunes on Mac and Windows PC....17
   9.2 To Play Music from Windows PC via Foobar2000....17
   9.3 USB Audio....19
10. Up2Stream ACPWorkbench (Sell Separately)....19
FAQ....20

1. Introduction

DW0235 is a WiFi and Bluetooth 5.0 stereo amplifier. By adding DW0235 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



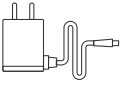
M ain Unit x1



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 mutiple 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.

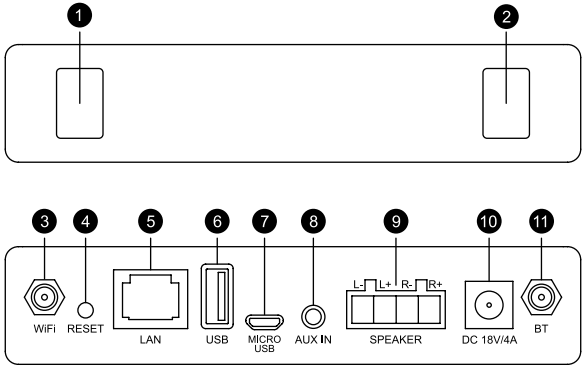
Preset playlist available for quick access, shortcut buttons on remote controller for quick access.

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

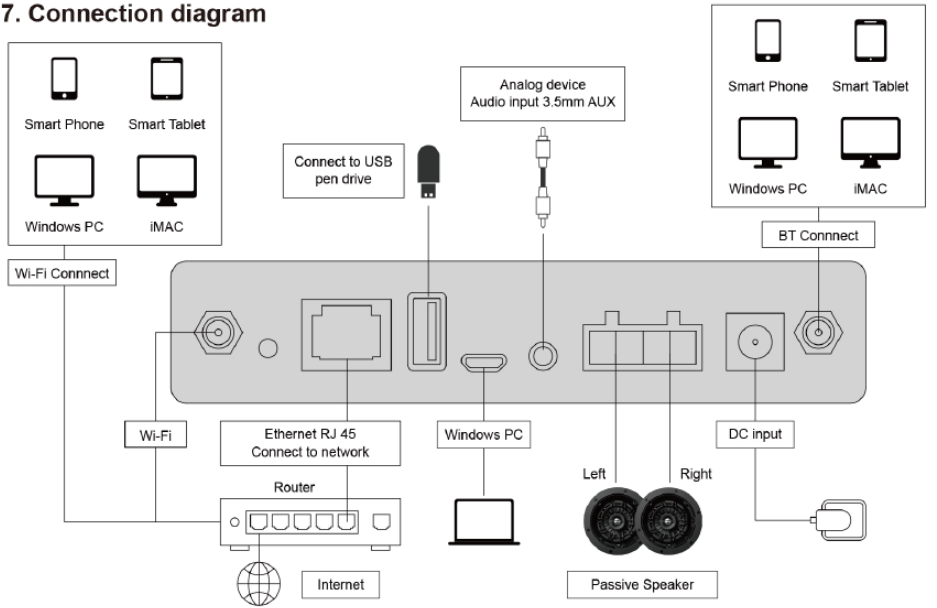


1. **LED:** To show the device status.
2. **IR Receiver:** For remote control.
3. **WiFi Antenna connector:** To connect antenna for WiFi.
4. **RESET:** Short press once: Switch input mode;
   Long Press: Switch on/off;
   Short Press twice: Re-pair Wifi or Bluetooth in Wifi or Bluetooth mode;
   Short 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

4STREAM

Google Play

Download on the App Store

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.

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.

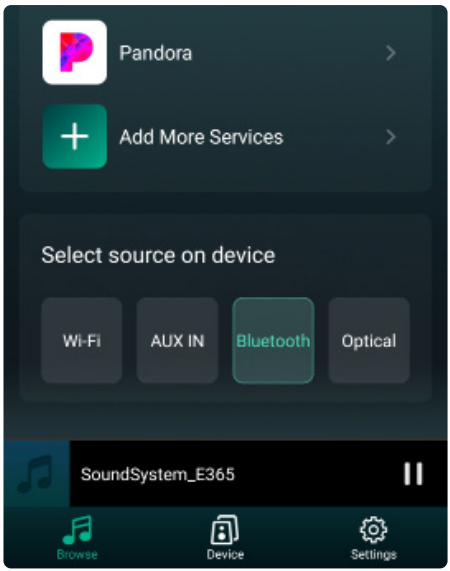
8.2.2 Connection via LAN

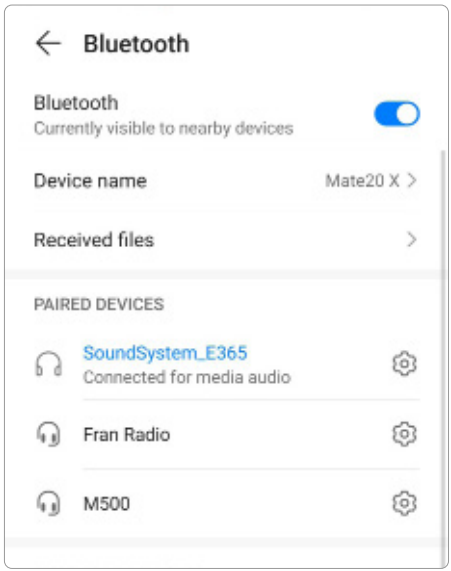
Plug in the wired cable to the RJ45 Ethernet, the device will show on the app in about 10 seconds.

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

8.2.3 Bluethooth

To use Bluetooth, please swtich 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 setting

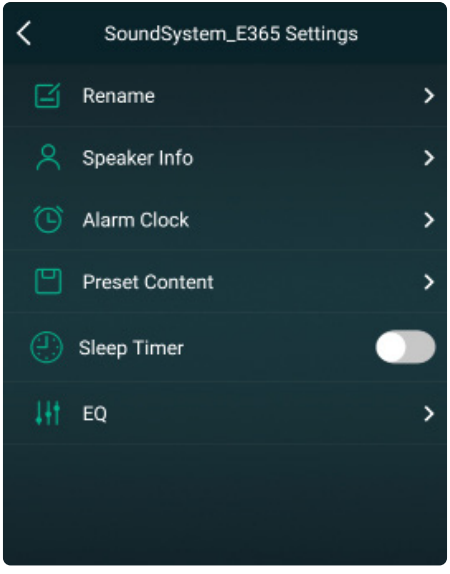
Rename: Change the device name.

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.



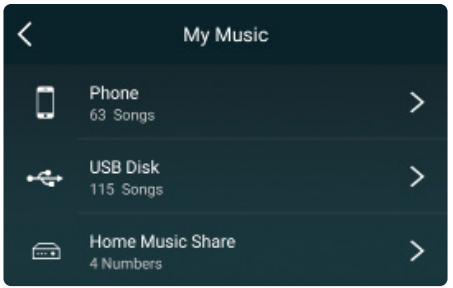
8.3.2 To play local storage music

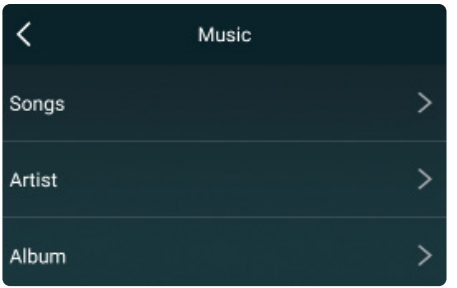
Click the **“My Music”** on the Application and choose the Music ready there.

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.

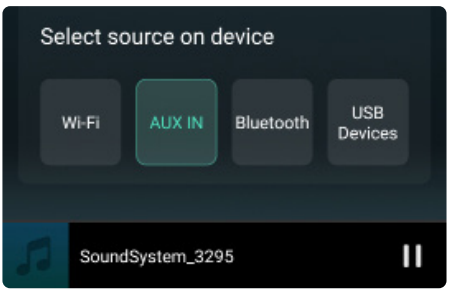




8.3.4 To Play Line in Mode

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

Choose line in mode on the application or remote control.

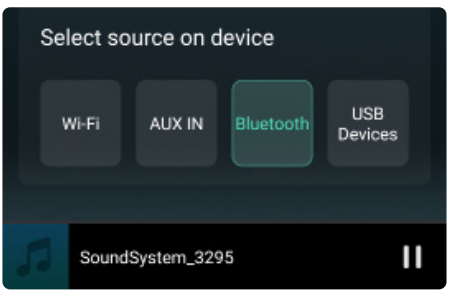


8.3.5 To Play Bluetooth Mode

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

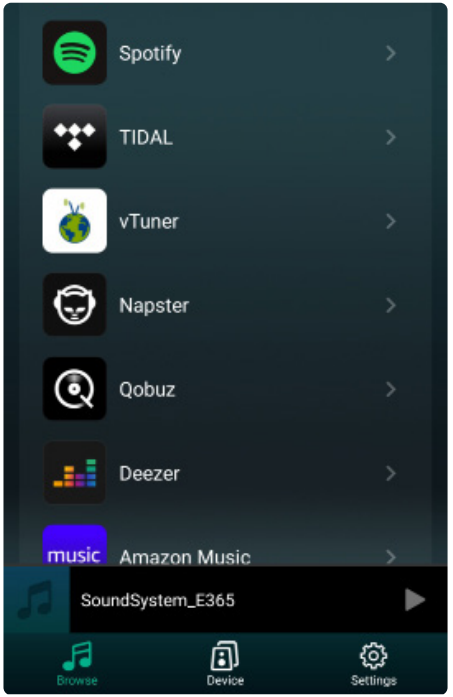
Open the Bluetooth on your mobile device.

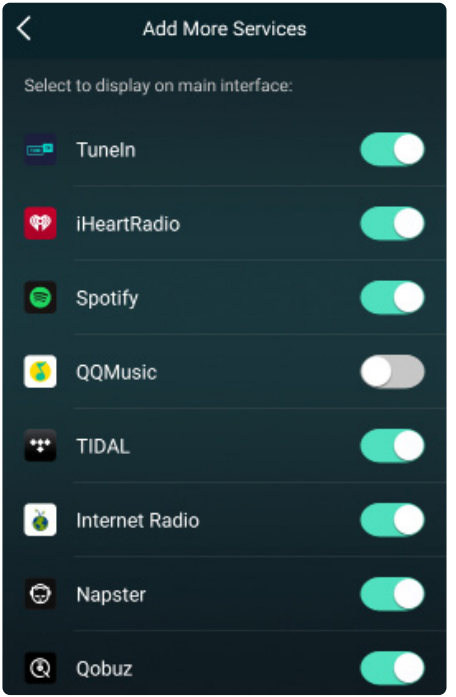
Pair the device Bluetooth (SoundSystem) and play.



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.





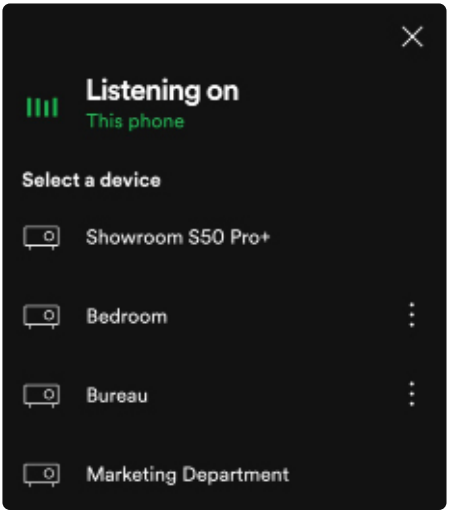
8.4.1 Spotify

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.

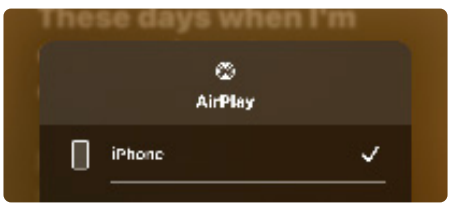
NOTE: one Spotify account can only streaming to one device at a time.





8.4.2 AirPlay

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



8.4.3 Qplay

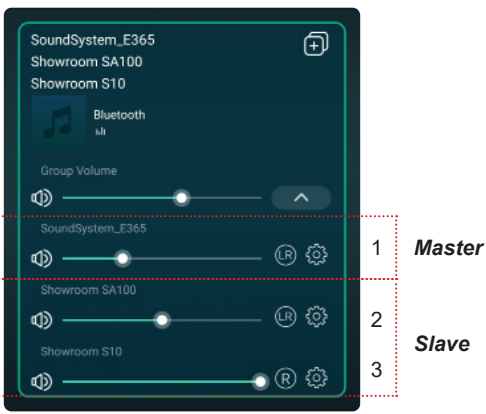
Our Devices Support QQ Music using the Qplay protocol, you have to turn on the Qplay in the QQ Music player setting and then find the device in the Qplay list.





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

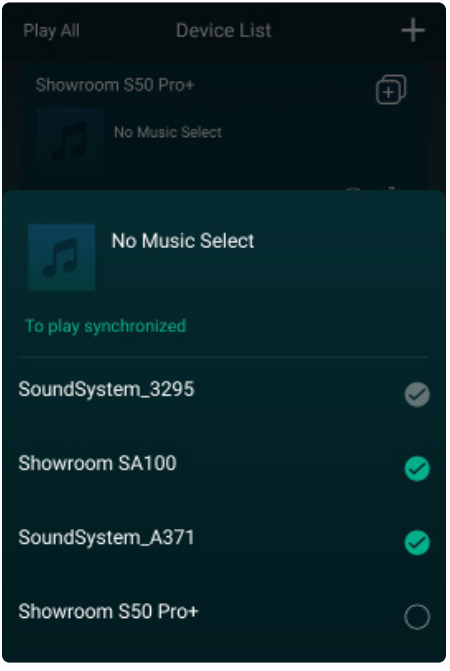
In order to add device to multiroom function, click on the “+” mark of the device you want to be the master device.

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.



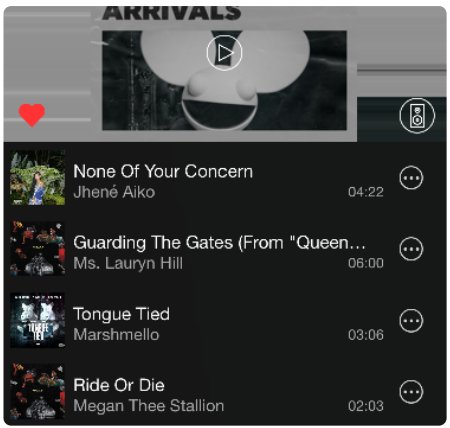
8.6 Left and Right Channel

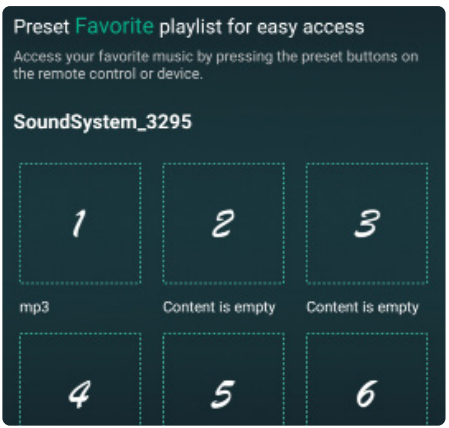
Users can choose the right channel or left channel or stereo mode on the application, or choose left channel on device A and choose right channel on device B, and group them together and play in sync to make stereo.

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

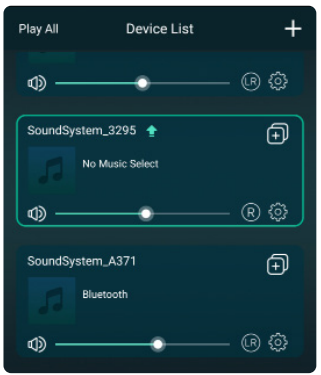
Two methods to restore device to factory setting

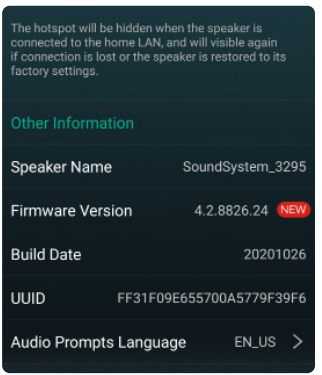
Method 1: Quickly press the reset button 3 times to restore factory settings.

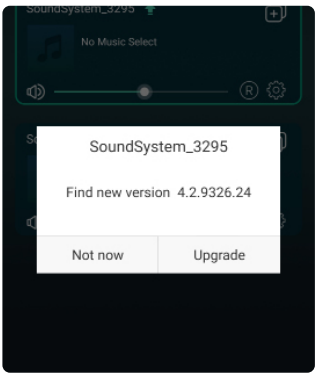
Method 2: Go for "App setting - speaker info - restore factory setting"

8.10 Firmware Update

The application will notify you in app when there is a new 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.





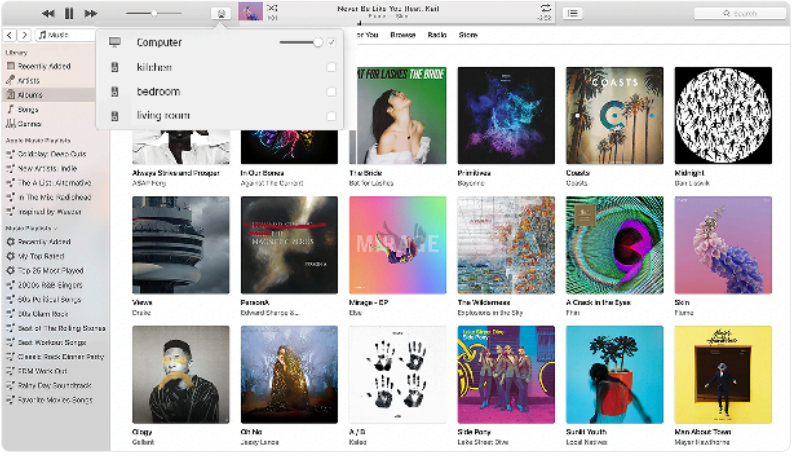


9. Play on PC

There are Several Tools to Play Music from the PC

9.1 To Play Music From iTunes on Mac and Windows PC

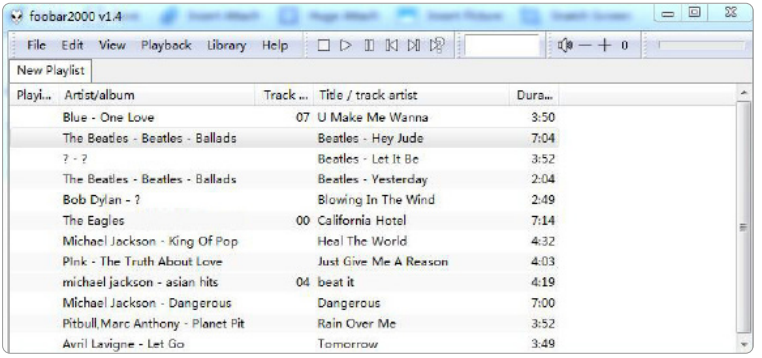
Our devices can stream audio sources from local storage, media library in Mac and Windows PC and online services from iTunes. Users can easily play and switch music, control volume and choose the audio devices to group and upgroup the audio devices.

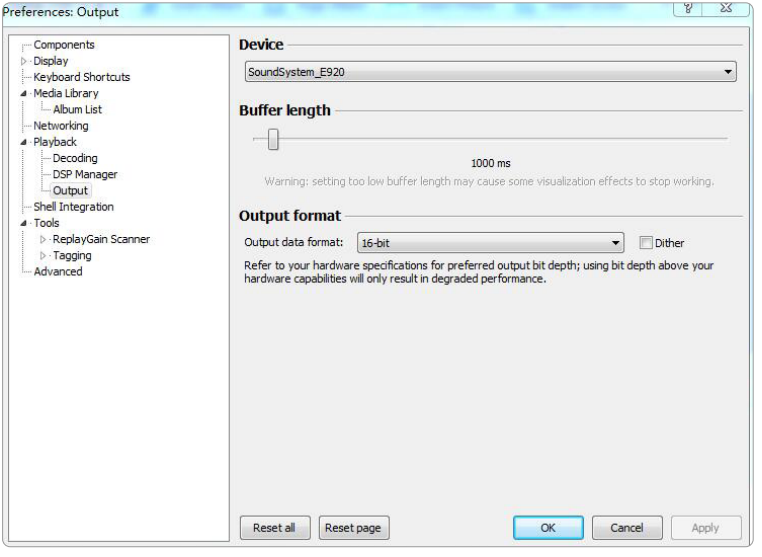


9.2 To Play Music From Windows PC via Foobar2000

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.


foobar2000 v1.4
File Edit View Playback Library Help
New Playlist
Playi... Artist/album Track ... Title / track artist Dura...
Blue - One Love 07 U Make Me Wanna 3:50
The Beatles - Beatles - Ballads Beatles - Hey Jude 7:04
? - ? Beatles - Let It Be 3:52
The Beatles - Beatles - Ballads Beatles - Yesterday 2:04
Bob Dylan - ? Blowing In The Wind 2:49
The Eagles 00 California Hotel 7:14
Michael Jackson - King Of Pop Heal The World 4:32
Pink - The Truth About Love Just Give Me A Reason 4:03
michael jackson - asian hits 04 beat it 4:19
Michael Jackson - Dangerous Dangerous 7:00
Pitbull,Marc Anthony - Planet Pit Rain Over Me 3:52
Avril Lavigne - Let Go Tomorrow 3:49


Preferences: Output
Components
Display
Keyboard Shortcuts
Media Library
Album List
Networking
Playback
Decoding
DSP Manager
Output
Shell Integration
Tools
ReplayGain Scanner
Tagging
Advanced
Device
SoundSystem_E920
Buffer length
1000 ms
Warning: setting too low buffer length may cause some visualization effects to stop working.
Output format
Output data format: 16-bit
Dither
Refer to your hardware specifications for preferred output bit depth; using bit depth above your hardware capabilities will only result in degraded performance.
Reset all
Reset page
OK
Cancel
Apply

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.

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 : export@dsppa.com

4STREAM App

@Copyright 2021 by DSPPA. All Rights Reserved.

The information contained in this guide is believed to be accurate and reliable. DSPPA assumes no responsibility for any errors contained in this guide. DSPPA reserves the rights to make changes in the specifications and/or design of the above mentioned product without prior notice. The diagrams contained in this guide may also not fully represent the product that you are using and they are for illustration purposed. DSPPA assumes no responsibility for any differences between the product mentioned in this guide and the product you may have.