



Wireless Streaming Preamplifier



Spotify Connect



WiFi



AirPlay



Multi-Room



aptX HD



ESS SABRE



DLNA

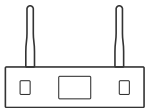
Table of Contents

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	9
8.2.3 Option 3 - Bluetooth pair	9
8.3 App features	10
8.3.1 Device setting	10
8.3.2 To play local storage music	10
8.3.3 To play music from NAS.....	11
8.3.4 To play in line in mode.....	11
8.3.5 To play in optical in mode.....	11
8.3.6 To play in bluetooth mode.....	11
8.4 Streaming services.....	12
8.4.1 Spotify	12
8.4.2 AirPlay.....	13
8.4.3 Qplay.....	13
8.5 Multiroom and Multizone	13
8.6 Left and right channel	14
8.7 Preset.....	14
8.8 Source mode change	14
8.9 Restore factory setting.....	15
8.10 Firmware update.....	15
9. Play on PC.....	15
9.1 To play music from iTunes on Mac and Windows PC	15
9.2 To play music from Windows PC via Foobar2000.....	16
10. Web Player Interface	17
FAQ	19

1. Introduction

Stream IT 3 is a high-end audio preamplifier with streaming services over network and Bluetooth aptX HD connectivity. Using Stream IT in your system enables you to stream music from your smart device, USB, NAS or streaming services such as Spotify, Tidal or Qubuz in high resolution with use of the 4STREAM App, AirPlay, Bluetooth or via the local RCA (analog) or Toslink optical (digital) inputs. Connect your amplifier or powered loudspeakers to the analog RCA LeftRight-Sub outputs or digital via RCA coax or Toslink optical. Using multiple units you can set up a multiroom system for home or office audio distribution.

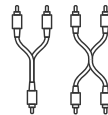
2. What's in the box



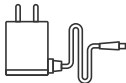
Main Unit x1



User's Manual x1



2-2RCA Cable x1
2-1RCA Cable x1



Power Adapter x1



Antenna(3dB) x2



Remote Control x1

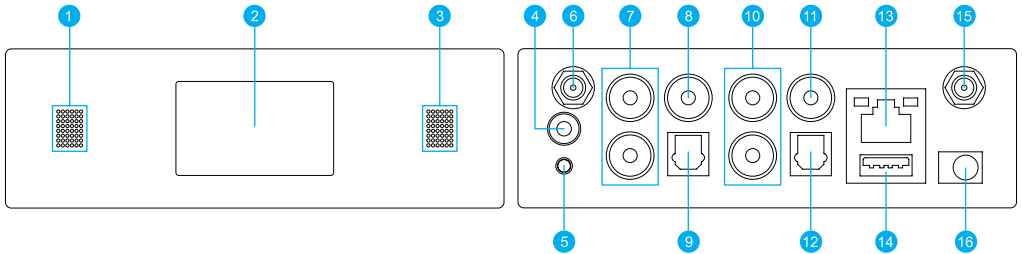
3. Main Features

- Stream music via network without distance limitation or Bluetooth 5.0 up to 15 meters.
- Bluetooth 5.0 aptX HD for true high resolution music.
- Airplay, Spotify Connect, Qplay, DLNA, UPnP protocol and 3rd party app compatible.
- 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 multiple units.
- High quality music streaming support, sample rate decoding up to 24bit, 192kHz.
- RCA Coaxial and Toslink Optical to provide digital audio output.
- Spotify, Deezer, Tidal, Qobuz, iHeartRadio, TuneIn, Napster, and more 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 for use without control via app.
- Digital (Toslink Optical) and Analog RCA inputs for more possible external audio input.
- Subwoofer output for powered subwoofer.
- OLED display panel for display info.
- EQ adjustment via app or remote controller.
- Preset playlist available in app and short buttons on remote controller for one button play.

4. Specification

Connectivity	Wireless network	IEEE802.11 b/g/n 2.4G
	Ethernet	Single port 10/100Mbps RJ45
	Bluetooth	5.0 Qualcomm aptX-HD
	USB	For portable media storage
Frequency response		20Hz to 20kHz
Digital output		RCA coaxial output
		Toslink optical output
Analog output		Stereo L/R RCA / Mono Subwoofer RCA
Audio input		Stereo L/R analog RCA, Toslink optical
Power supply		12V/1A
Decoding		Up to 24bit/192kHz
Supported format		FLAC/MP3/AAC/AAC+/ALAC/APE/WAV
Signal to Noise Ratio (SNR)		110dB
Total Harmonic Distortion (THD)		0.03%
Remote control		IR / App / Browser / TCP/HTTP API
LED modes		Red-Standby mode
Display content		Status info
Dimensions		12x11.3x3.7CM(4.72x4.45x1.46in)
Weight		0.4kg(0.88lb)

5. Interface

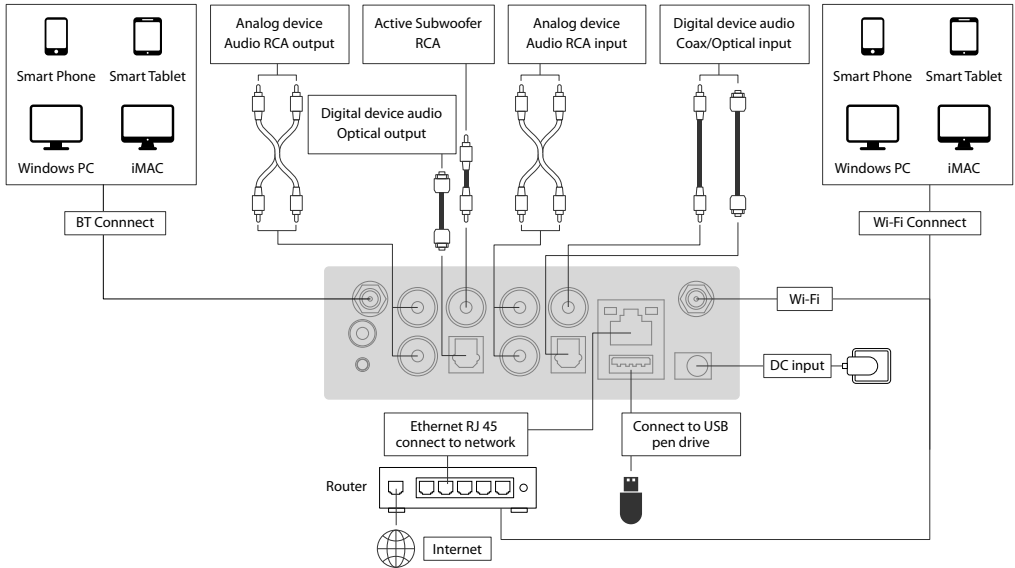


- 1 LED: To show the device status.
- 2 Display Panel: Display status info.
- 3 IR Receiver: For remote control.
- 4 Trigger: 12V trigger output to use with other device.
- 5 Reset: Short press to switch source input. Quickly press twice to reset WiFi/Bluetooth connection. Quickly Press three times to do factory reset. Long press to turn device off and press again to turn on.
- 6 Bluetooth antenna: External Bluetooth antenna for better Bluetooth signal strength.
- 7 Line Input: For external audio sources from TV, CD player and so on.
- 8 Sub Output: To connect active subwoofer.
- 9 OPTICAL Input: For digital input source.
- 10 Line Output: To provide analog audio to other devices.
- 11 Coax Output: To provide digital audio output to amplifiers.
- 12 OPTICAL: Digital audio output.
- 13 LAN: Wired connection to your router.
- 14 USB Host : to connect USB pen drive (1024 tracks at most).
- 15 WiFi antenna: external WiFi antenna for better signal strength.
- 16 DC in: 12V/1A DC input.

6. Remote Controller



7. Connection Diagram



8. How to use

Once power up, the device is in standby mode (red LED is on), use the power button on remote controller or ed press the reset button to turn it on.

8.1 App Download


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

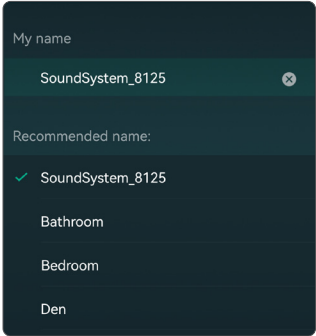
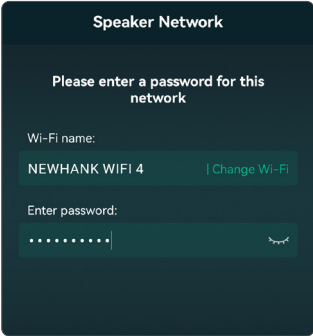
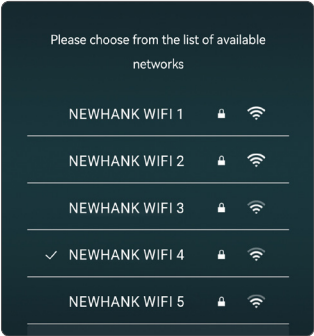
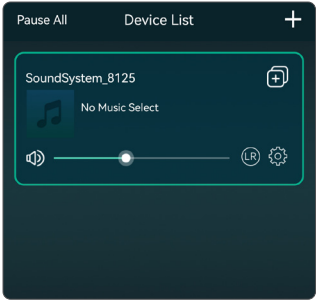
The application supports English, Spanish, French, German, Italian, Portugese, multiple languages including: Korean, Simpli! ed Chinese, Traditional Chinese and Japanese.



8.2 Connection


8.2.1 Connection via app

1. Power the device.
2. Connect your mobile devices to your network.
3. Go for mobile device WLAN settings> Connect mobile device to hotspot  SoundSystem_ xxxx you will see a WiFi logo .(short press the reset button if the hotspot is not found).
4. Open the 4STREAM application, follow the guides, or if you see the device in the device list, click on the + icon on top right corner.
5. Choose the 2.4G network (Only 2.4G network will appear), Enter router password>wait for the device to be configured. **For multiple units connecting to same router, router password will be saved.*



**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.




WLAN has no Internet access
Tap for options

■ Go for your cellphone's WiFi settings and choose your new xxxx hotspot to connect.

Please wait

Attention:

When you press the WLAN to connect to the network, the cell phone may notify you "WLAN has no internet access". Tap and choose "Stay connected">go next step.



WLAN XXXX_XXXX

Please wait

WLAN has no Internet access
WLAN network XXXX_8B5C has no access to the internet. Stay connected?

☐ Don't ask again for this network

Switch networks **Stay connected**

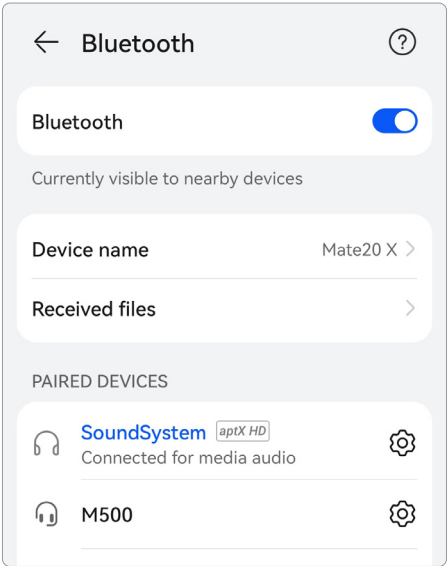
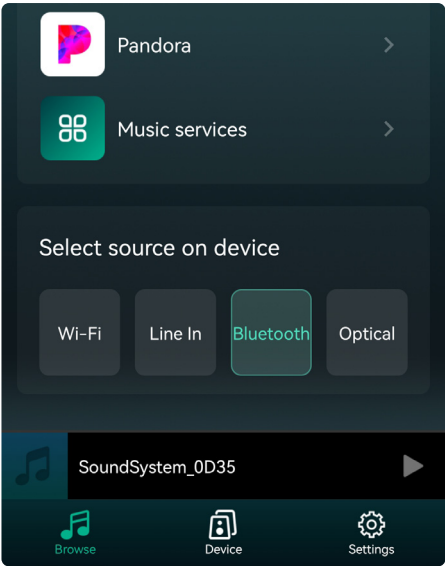
8.2.2 Connection via LAN

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 Bluetooth

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



8.3 App Features

8.3.1 Device setting

Rename: Change the device name.

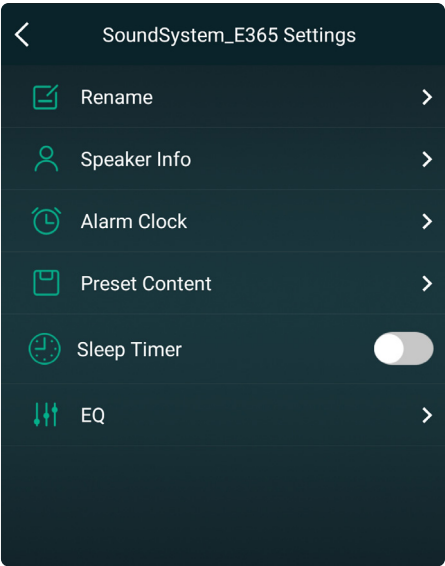
Speaker info: Display device information like IP address, Mac address, SSID, firmware version, factory reset, etc.

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.

EQ: Bass and Treble control.



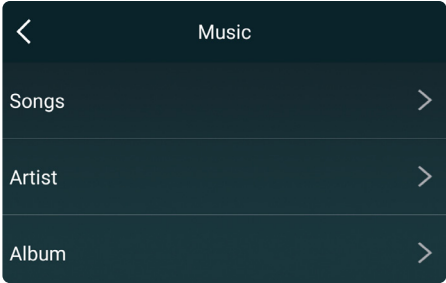
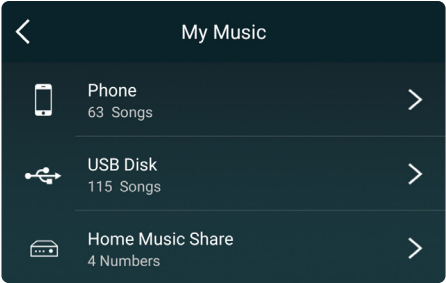
8.3.2 To play local storage music

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

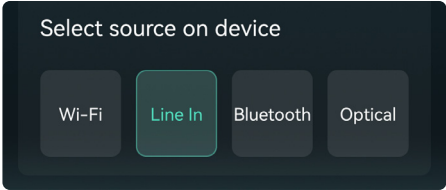
Please note that our system only support NAS with DLNA feature.



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.

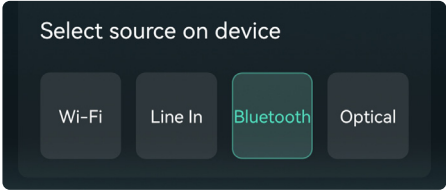


8.3.5 To Play Bluetooth Mode

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

Open the Bluetooth on your mobile device.

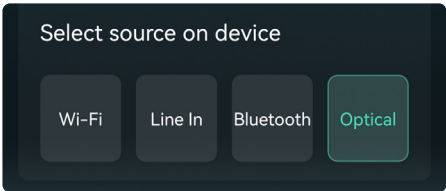
Pair the device Bluetooth (SoundSystem) and play.



8.3.6 To Play Optical in Mode

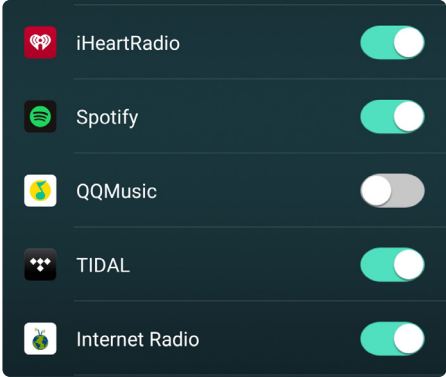
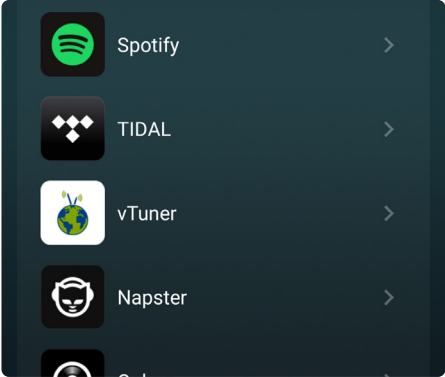
Connect a optical cable to the TV or other audio sources

Choose Optical mode on the application or remote control.



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.

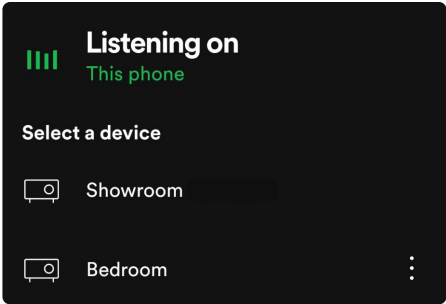


8.4.1 Spotify

To use Spotify, you need a spotify premium account.

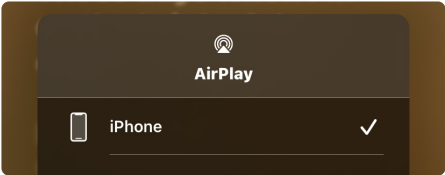
You will find the device in the device list in the Spotify application and choose the device you want to play.

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



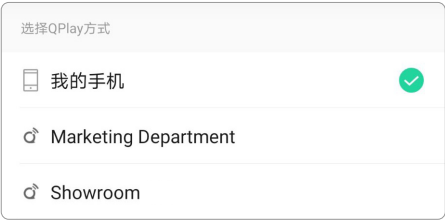
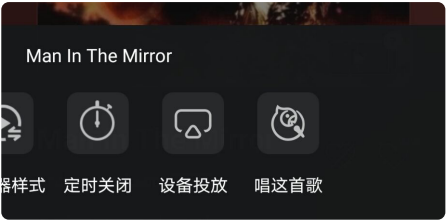
8.4.2 AirPlay

The device supports AirPlay1, You can Choose the AirPlay and play music.



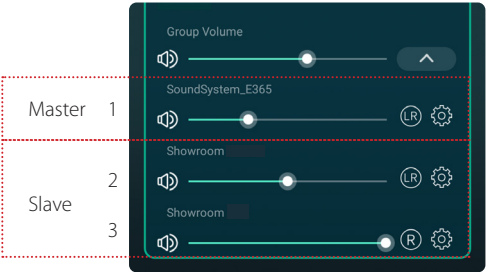
8.4.3 Qplay

The device supports 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.

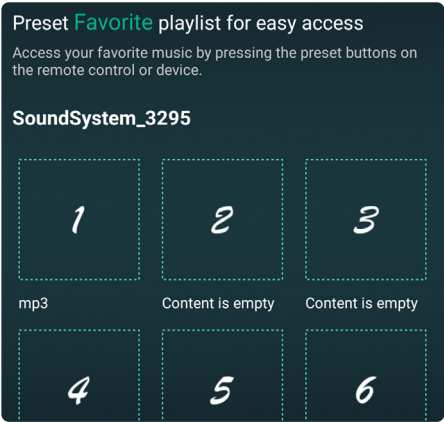
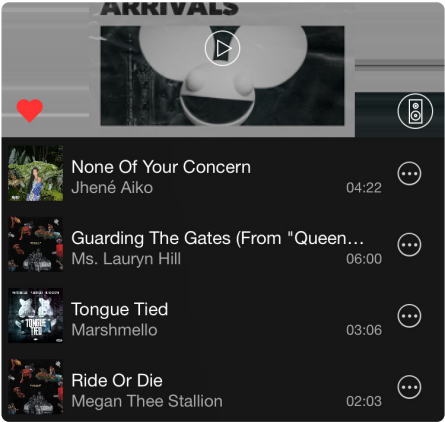


8.6 Left and Right Channel

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. When you press button 1 on the remote, the preset list saved in slot 1 will play. (Users can preset 10 playlists on the Application, but the remote control can only trigger 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

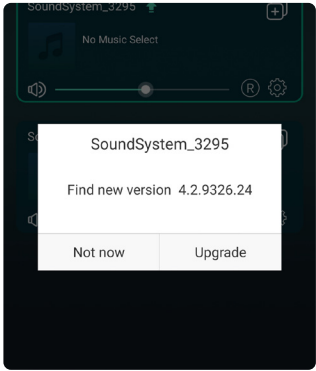
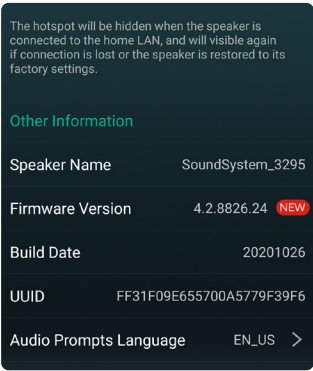
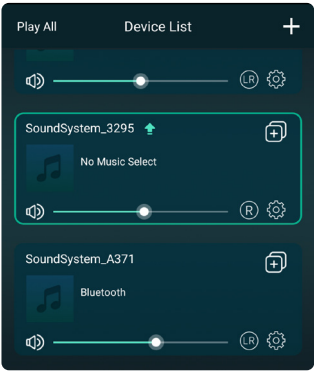
Two methods to restore device to factory setting

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

Method 2: Select the gear wheel in the app and then go to: Speaker Info> Restore Factory Settings

8.10 Firmware Update

The application will notify in the 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 can also add new features or services.

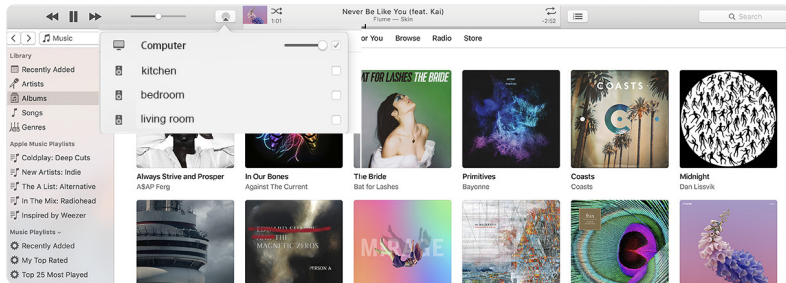


9. Play on PC

There are Several Tools to Play Music from the PC

9.1 To Play Music From iTunes on Mac and Windows PC

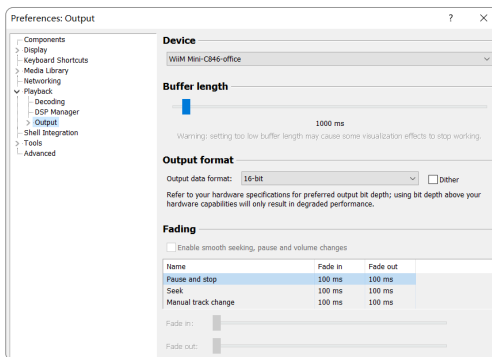
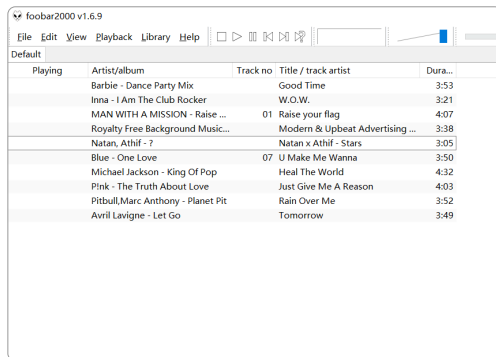
The device can stream audio sources from local storage, media library in Mac and Windows PC and online services from iTunes. Users can easily play and switch music, control volume and choose the audio devices to group and upgroup the audio devices.



9.2 To Play Music From Windows PC via Foobar2000

The device support UPnP Protocol, With the Popular Foobar2000, You can play music from Windows PC to Our Devices. Please follow the steps below:

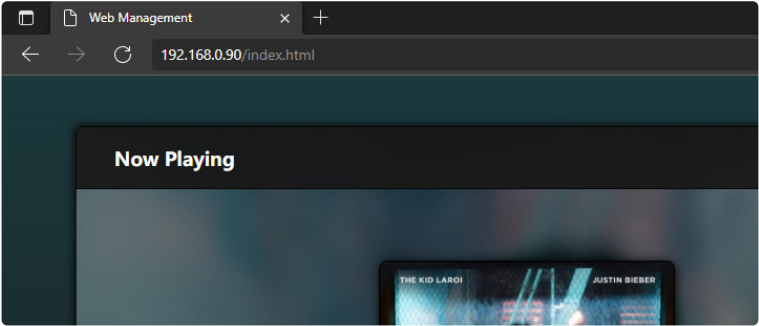
1. Download the Foobar2000 and install it.
2. Refer to the doc how to add UPnP component at our website download column.
3. Refer the link below how to add UPnP Component http://wiki.hydrogenaud.io/index.php?title=Foobar2000:How_to_install_a_component
4. Restart the Foobar2000, Then Check: [Library>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



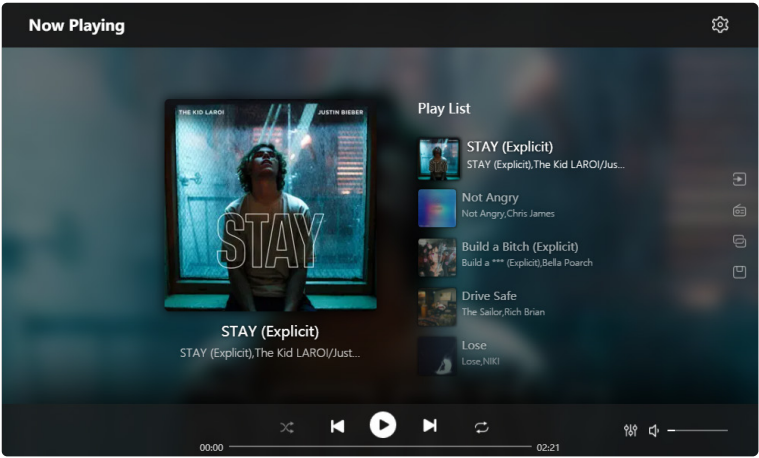
10. Web Player Interface

You can access the web player interface by entering the ip address of the device to a web browser.

**You can find the device ip address by clicking on device setup icon, then select Speaker Info.*



You can control the volume, Play/Pause, previous/next song, repeat and shuffle function for songs or station you're currently playing or trigger presets you have set up or change the input source.



In the setup menu, you can do couple of things:

** When entering the setup interface, a admin password is required. The default password is: admin*

- Manual update the device firmware
- Change the Device Name
- Setup WiFi connection
- Setup Static IP Address
- Change Admin password

*****If you want to setup the WiFi connection for the first time without using other method.***

1. After power up the devie, connect your mobile/PC WiFi to the device SSID: SoundSystem_XXXX.
2. In the web browser input 10.10.10.254 (this is the default ip address when there is no network being setup)
3. Go to settings and click on connect button under Connect to AP option.
4. Select the wiö SSID you want to connect to.
5. Enter the password if required and click on connect button.
6. Now your device is connected to your network, you will need to enter the new ip address to continue to use the web player. (Since the ip address is not 10.10.10.254 anymore but given another address by your router.)

Settings

Project ID RP0011_WB60_5

MAC address 00:22:6C:14:32:95

Firmware Version 4.6.337862.24 **Manual**

Device Name SoundSystem_3295

IP Settings (ETH) ☒ DHCP ☐ MANUAL
192.168.0.156

Admin Password New password
Confirm password

Factory Reset

FAQ

Q: Does Stream IT support airplay and third-party DLNA apps?

A: Yes. It supports airplay and third-party apps like foobar2000 and musicbee.

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 decent WiFi signal.

Q: Can it play high resolution music?

A: Yes. You 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: The device auto-detects 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 Stream IT support Google Assistant or Alexa?

A: The device does not support Alexa, yet through Bluetooth, the device can work with Google Assistant.

FCC Statement:

Federal Communication Commission (FCC) Radiation Exposure Statement When using the product, maintain a distance of 20cm from the body to ensure compliance with RF exposure requirements.

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.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes 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.



The information contained in this guide is believed to be accurate and reliable. NewHank assumes no responsibility for any errors contained in this guide. NewHank reserves the rights to make changes in the speciöcations and/or design of the 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. NewHank assumes no responsibility for any differences between the product mentioned in this guide and the product you may have.