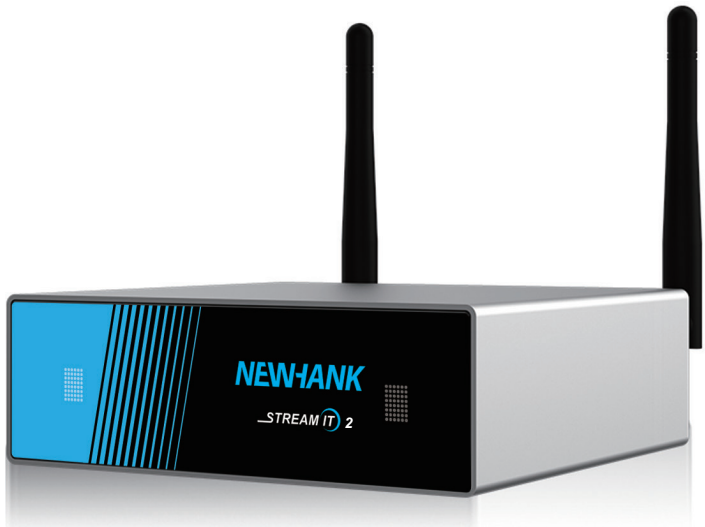
NEWHANK
QUALITY AV PRODUCTS

STREAM IT 2

User's Manual



Wireless Streaming Preamplifier

WiFi | aptX HD | Spotify | AirPlay | Multi-Room | ESS SABR

www.newhank.com

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1. Introduction

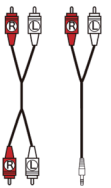
STREAM IT 2 is a highend audio streaming preamplifier with network and Bluetooth aptX HD connectivity. Applying STREAM IT 2 to your current stereo system will enable you to stream music from your smart device, USB, NAS or streaming services, such as Spotify,Tidal or Qobuz in high resolution by Wiim Player App, AirPlay, Bluetooth or other third party compatible apps. Lots of Hi-Fi hardware components, such as ESS9023 DAC are implemented to make a great sound quality. Adding more units to your home audio system can set up a wireless multiroom or multizone whole house audio system, it will give you totally new and great experience to play and enjoy music.

2. What's in the box

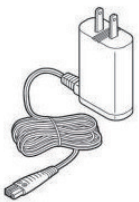
Main unit x1

User's Manual x1

2-2RCA cables x1
2-1RCA cables x1



Power adapter x1



Antenna(2dB) x2

Remote control x1

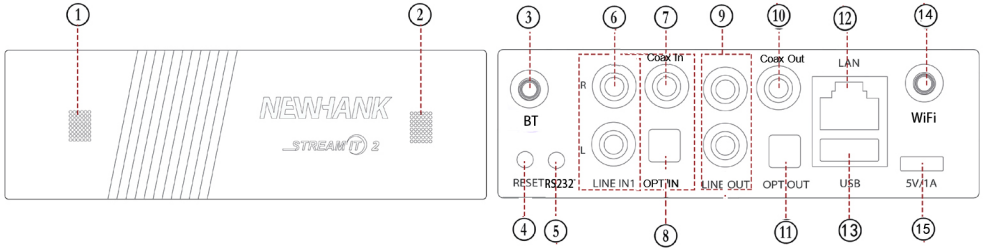
3. Main Features

- Streaming music via network without distance limitation or Bluetooth5.0 up to 30 meters.
- Bluetooth 5.0 aptX HD 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.
- Coaxial and Optical to provide digital audio output
- Coaxial and Optical to receive digital audio input
- HDMI input from TV or TV box etc with HDMI output
- Line inputs for more possible external audio input
- 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 cellphone.
- Treble and Bass adjustment via remote controller.
- iTunes working with PC streaming .

4. Specification

Connectivity	Wireless network	IEEE802.11 b/g/n 2.4G
	Ethernet	Single 10/100M RJ45
	Bluetooth	5.0 Qualcomm aptX
	USB Host	Play music from USB pen drive
Frequency response		20Hz to 20kHz
Digital output/input		Coaxial output/input
		Optical output/input
Analog output		1x RCA
Audio input		1x RCA
Power supply		5V-1A Micro USB input
Decoding		Up to 24bit/192kHz
Music format		FLAC/MP3/AAC/AAC+/ALAC/APE/WAV
SNR		110dB
THD		0.01%
Remote		IR remote controler
LED		Flash Red-Power on Green-WiFi Connected, Light Green-Line input Purple-Optical White-Coaxial Yellow-USB Blue-Bluetooth
Dimensions		132(W)x100(D)x39(H)mm(5.19x3.94x1.54in)
Weight		0.35kg(0.78lb)

5. Interfaces



① LED: to show the device status.

② IR receiver: for remote control.

③ Bluetooth antenna: external Bluetooth antenna for better signal strength.

④ Reset: short press to reset the device WiFi, long press to restore the device to factory setting(only works in WiFi mode), please change to WiFi mode when the device is in Bluetooth or line input mode.

⑤ RS232: Serial port for smart device communication.

⑥ Line input: for external audio sources from TV, CD player and so on.

⑦ Coaxial input: to connect to digital audio sources.

⑧ Optical input: to connect to digital audio sources.

⑨ Line output: to provide analog audio to other devices.

⑩ Coaxial: to provide digital audio output to amplifiers.

⑪ Optical output: to provide digital audio output to amplifiers.

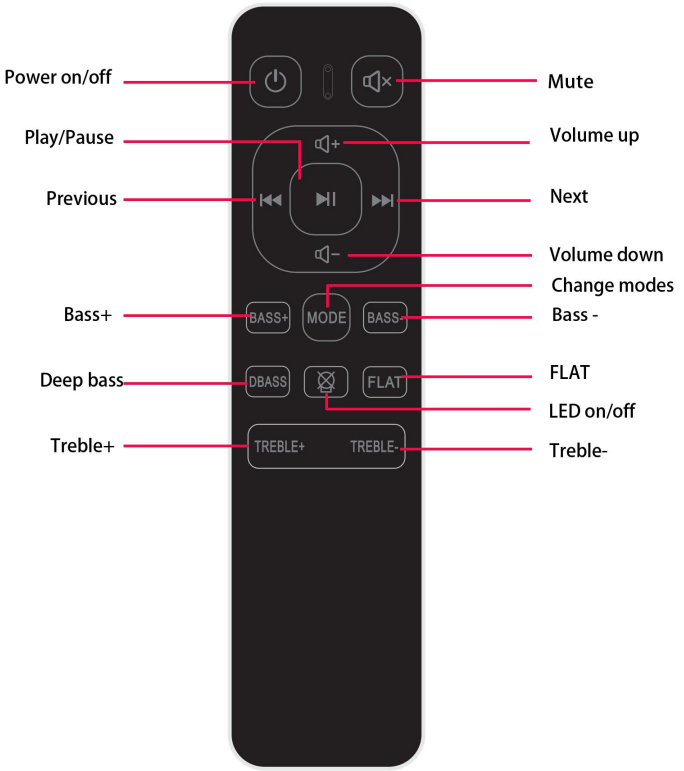
⑫ LAN: Wired connection to your router.

⑬ USB Host: to connect USB pen drive(1024 tracks at most)

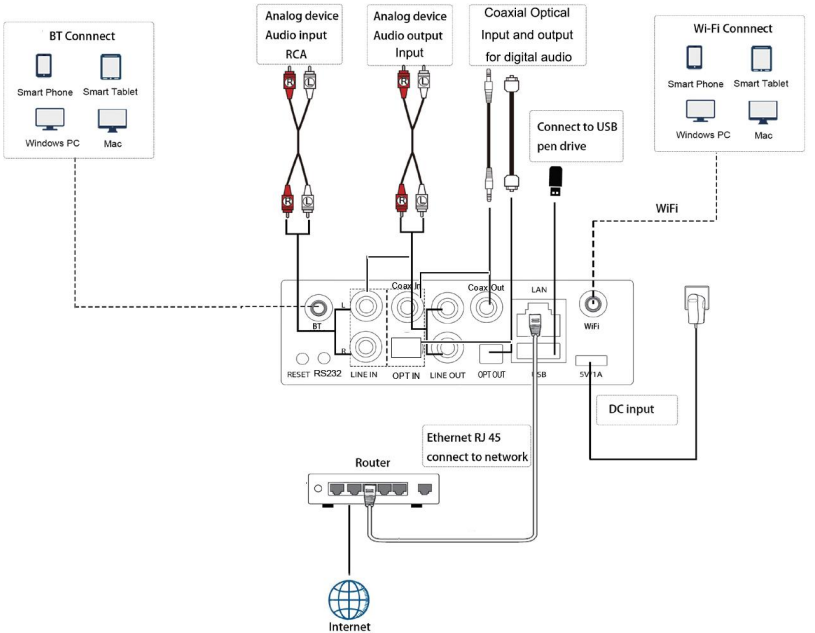
⑭ WiFi antenna: external WiFi antenna for better WiFi signal strength.

⑮ Micro USB: 5V/1A Micro USB input.

6. Remote controller



7. Connection diagram



8. How to use

8.1 App download

Download the Wiim Player 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

Available on the App Store

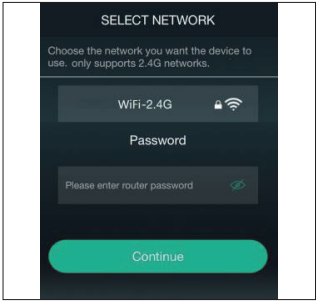
ANDROID APP ON Google play

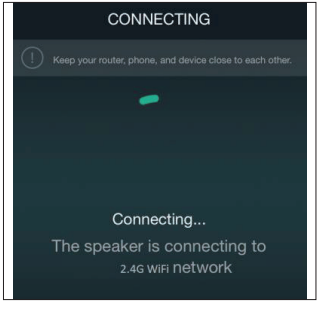
8.2 Connection

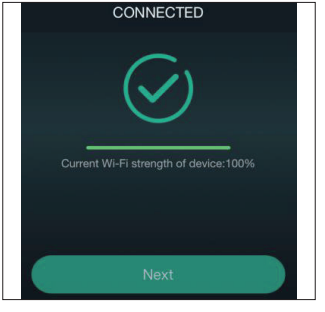
8.2.1 Option 1 - Connection via app

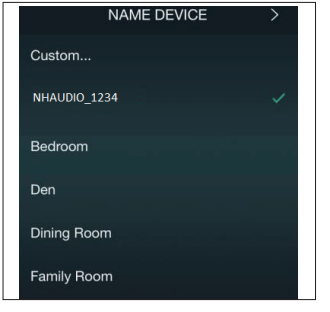
1. Power the device.
2. Connect your mobile devices to your network.
3. Go for mobile device WLAN settings> Connect mobile device to hotspot NHAUDIO_xxxx you will see a WiFi logo the . (short press the reset button if hotspot is not found)
4. Open the Wiim Player application, follow the guides
5. Choose 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.

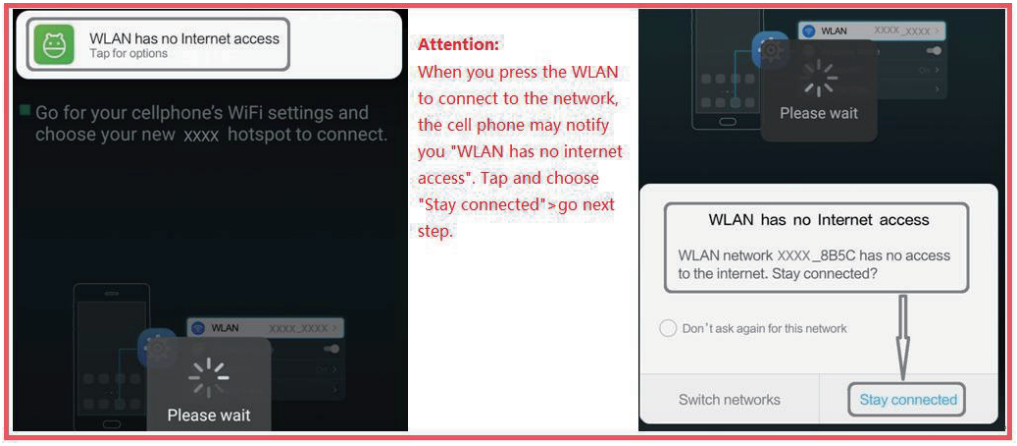






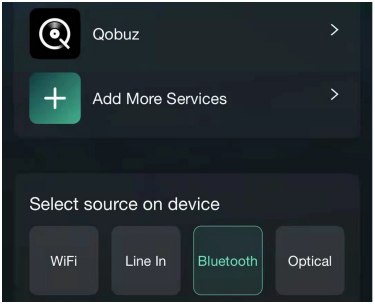


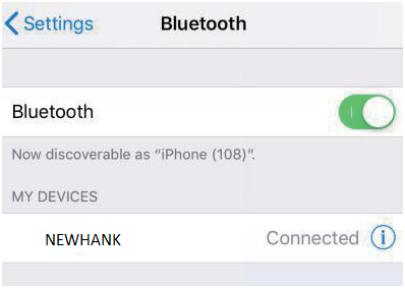
*Attention for Android users
Different brand mobile phones may ask you to allow to use NHAUDIO WiFi network, please choose yes, if not, you may not able to set up successfully.



8.2.2 Option 2 - Connection via LAN
1. Plug in the wired cable to the RJ45 Ethernet, the device will show on the app in about 10 seconds. (Note: the cell phone and the device must be in the same network)

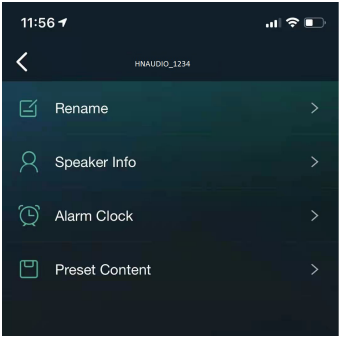
8.2.3 Option 3 - Bluetooth pair
1. Open the Wiim Player app.
2. Choose the Bluetooth mode at the bottom of the music source page of Wiim Player .(to activate the Bluetooth).
3. Open the Bluetooth on the mobile device.
4. Pair to device Bluetooth “NEWHANK”.





8.3 App features

8.3.1 Device setting



Rename: to customize the device name

Speaker info: you will see the device information like Mac ID,device,IP, SSID etc

Alarm Clock:to set the alarm clock

Preset Content: you will see all the preset contents here.

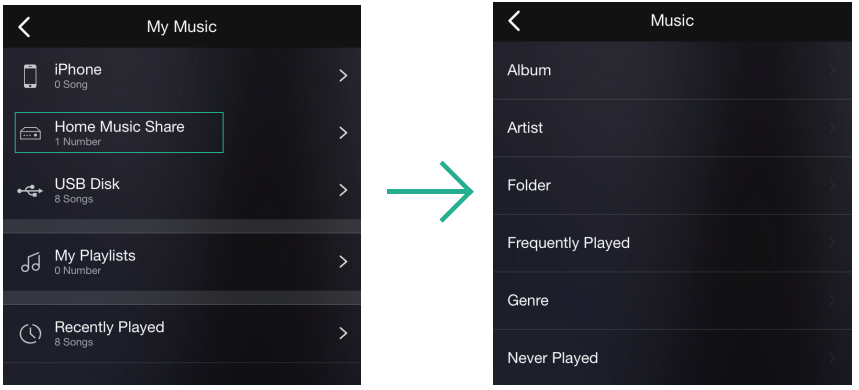
8.3.2 To play local storage music

-Click the “My Music” on the application and choose the music ready there.

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

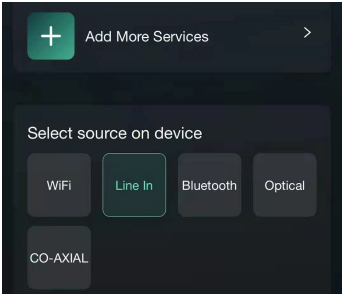
8.3.3 To play music from NAS

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



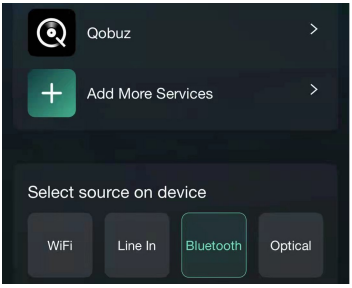
8.3.4 To play line in mode

- Connect the RCA cables to the TV or other audio sources
- Choose line in mode on the application or remote control



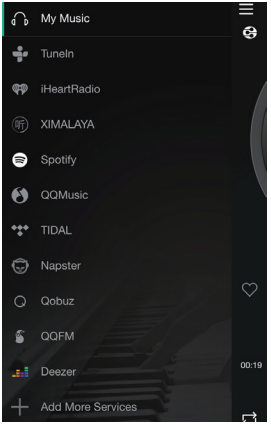
8.3.5 To play Bluetooth mode

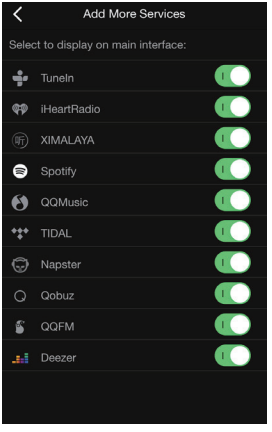
- Choose the Bluetooth mode on the application or remote control, the LED will change to blue
- Open the Bluetooth on your cellphone/tablet
- Pair the device Bluetooth (NEWHANK) and play



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.



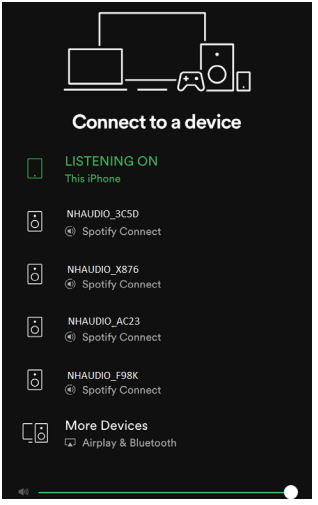


8.4.1 Spotify

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

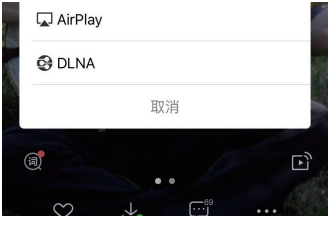
You will find the device in the device list on the Spotify application and choose the device you want to play.

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



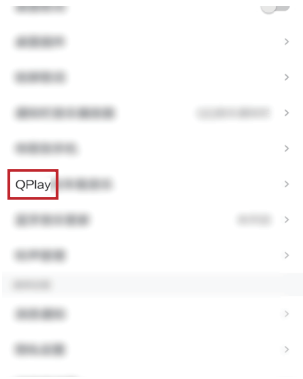
8.4.2 AirPlay

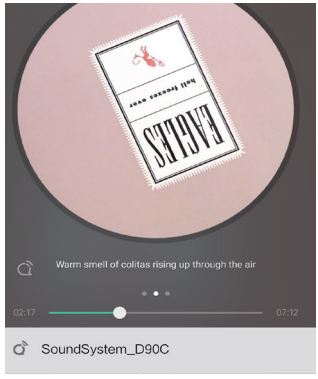
The device supports AirPlay1, you can choose the AirPlay and play music



8.4.3 Qplay

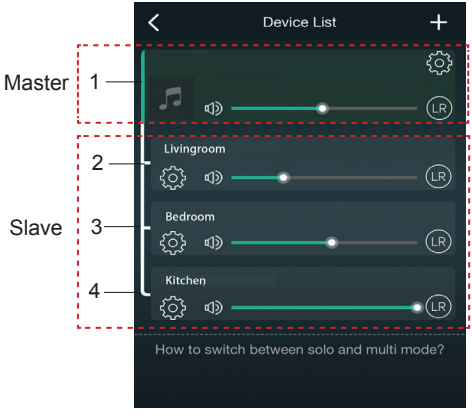
Our devices support QQ music using the Qplay protocol, you have to turn on the Qplay in the QQ music player setting and then find the device in the Qplay list.

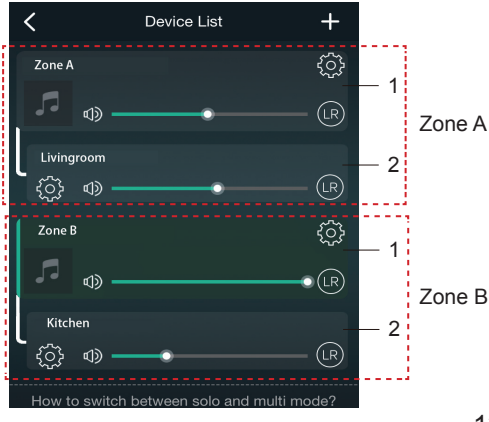




8.5 Multiroom and Multizone

Users can group multiroom and multizone on the Application, for example you can group device 1,2,3 and 4 together and play same music in sync, or group device 1 and 2 as zone A and device 3 and 4 as zone B, and play different music in zone A and zone 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 Source mode change

Method 1: change on application

Users can change PLAY MODES WiFi, Bluetooth, Line input and USB, and optical, coaxial and HDMI on the application. 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

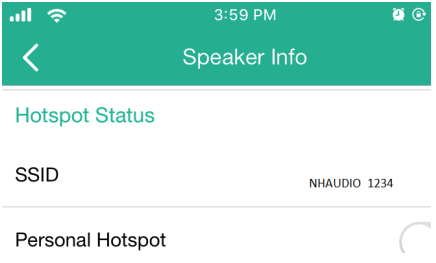
Users can use the remote control to change the play modes-WiFi, Bluetooth, Line input and USB.

8.8 Restore factory setting

Two methods to restore device to factory setting

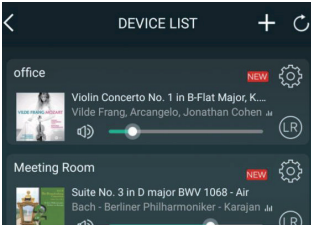
Method 1-long press the reset button on the device for 8-10seconds

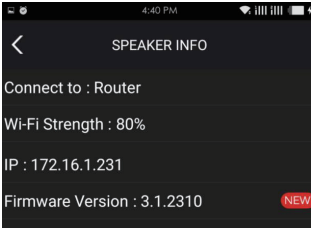
Method 2-go for "App setting-speaker info-restore factory setting"

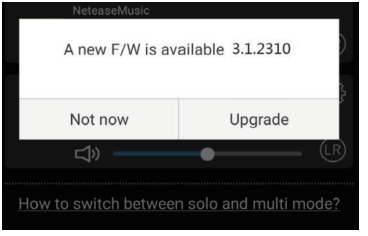


8.9 Firmware update

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.



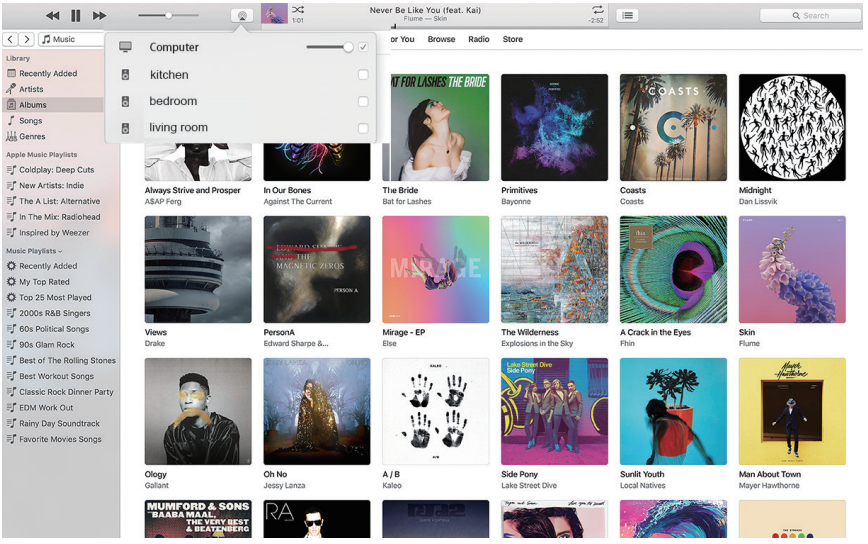




9. Play on PC

There are several tools to play music from the PC

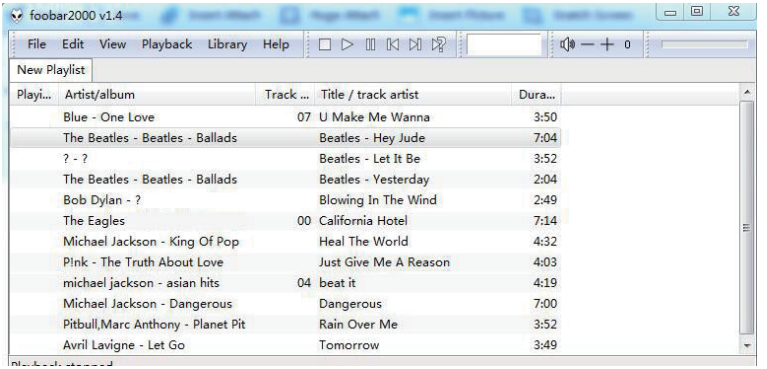
9.1 To play music from iTunes on Mac and Windows PC
Our devices can stream audio sources from local storage, media library in Mac and Windows PC and online services from iTunes. Users can easily play and switch music, control volume and choose the audio devices to group and upgroup the audio devices.

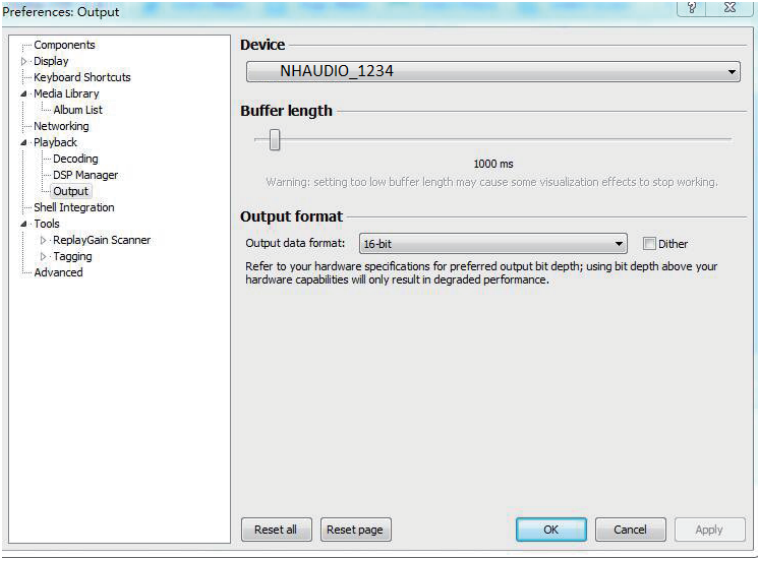


9.2 To play music from Windows PC via Foobar2000

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
P!nk - 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
NHAUDIO_1234
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

FAQ

Q: Do your devices support airplay and third-party DLNA apps?
A: Yes. They support airplay and third-party apps like BubbleUPNP...

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.

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