USER MANUAL
SMART EVO

artsound
we speak sound

Wireless Multiroom Streaming Amplifier

Spotify | Works with alexa | Works with Apple AirPlay | Multi Room

Thank your for buying our SMART EVO. We hope you'll enjoy it for years to come. Please read these instructions carefully and keep this manual for later reference.

TABLE OF CONTENTS

1. WARNINGS AND SAFETY

- To prevent fire or electric shocks, the device must not be exposed to rain or humidity.
- For your own safety: to prevent electric shocks do not remove the housing.
- Do not try to repair any malfunctioning parts of the device yourself. Ask a professional expert to do this for you.
- When plugged into the mains, the device remains electrically charged even when switched off.

2. INTRODUCTION

ArtSound SMART EVO is a wireless multiroom full digital HiFi amplifier, it can connect to 2.4G and 5.8G Wi-Fi network and supports aptX HD BT transmission and reception. SMART EVO supports Spotify Connect, AirPlay and many famous online music services that you can stream music from. SMART EVO also comes with a rich selection of analog and digital inputs including phono input for using with turntable which needs higher amplification, TV ARC input for use with TV. You can control SMART EVO with remote controller or with our free mobile application for both Android and iOS system, which lets you have full control on the device plus user friendly EQ system. With SMART EVO you can easily build your home audio system.

3. WHAT'S IN THE BOX

Check that the packaging contains the following parts:
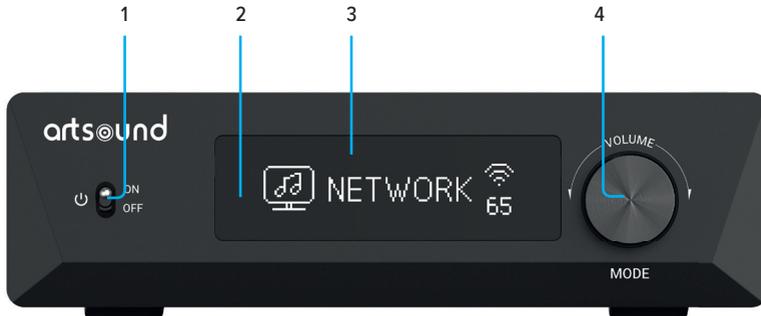- Main Unit x1
- User's Manual x1
- Antenna (3dBi) x2
- Power Adapter 32V / 4.75A x1
- Remote Control x1
- Power Cable x1

4. MAIN FEATURES

- 80W x 2 @ 4Ω RMS, 160W x 2 @ 4Ω PEAK full digital amplifier.
- Streaming music via network without distance limitation or Bluetooth 5.2 up to 10 meters.
- Bluetooth for true high resolution music.
- Spotify Connect, AirPlay, Qplay, DLNA, UPnP streaming protocols supported.
- Support to play music on SMART EVO from other Alexa devices, or controlled by Alexa built-in device with voice.
- Support streaming audio source from online services, mobile phones & tablets, USB disk drive, NAS, Bluetooth, Line input, Optical input and TV ARC.
- 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.
- High quality music streaming support, sample rate decoding up to 24 bit 192kHz.
- Spotify, Qobuz, Amazon Music, Napster, Internet Radio, iHeartRadio, TuneIn, SoundMachine, RadioParadise, Calm Radio, QQMusic, lots of online streaming services integrated to use in the app.
- You can use Apple Music on your iPhone, iPad, Apple TV, Apple Watch, HomePod, or HomePod mini to play music on SMART EVO.
- Free iOS and Android app available.
- Free global online update for new features.
- Full functional remote controller to use without mobile devices.
- Line input, Phono input, Optical input TV ARC for more external audio input.
- Preset EQ and Custom EQ via APP.
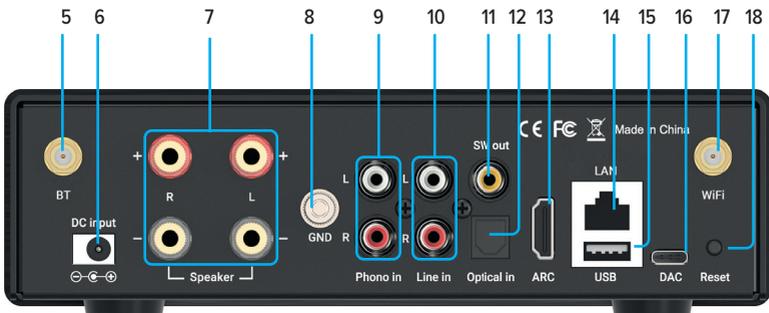- Preset playlist is availble and number buttons on remote controller for one button play.

5. INTERFACE AND FUNCTIONS

A FRONT PANEL

1. **Power Switch:** Turn on/off device
2. **IR Receiver:** For remote controller
3. **Display Panel:** Display the current source input, network status, volume and other info

4. **Volume Knob + Mode Button:** Rotate to change volume / Press to change source input mode / Press and hold to enter stanby mode
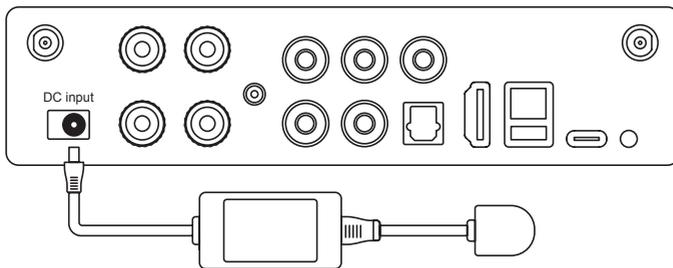
B REAR PANEL

5. **Bluetooth Antenna:** For Bluetooth connection
6. **DC input:** Connect the 24V/4.16A power supply
7. **Speaker Terminals:** For connection to passive stereo speakers
8. **GND:** To connect to Turntable ground wire
9. **Phono in:** Analog input for connection to Turntable.
10. **Line in:** Analog input for connection from external device
11. **SW out:** Subwoofer output for connection to active subwoofer
12. **Optical in:** Digital input for connection from external device
13. **TV ARC:** Digital input for connection to TV
14. **LAN:** RJ45 wired connection to router

15. **USB:** USB host port for USB disk drive
16. **DAC:** For connection to PC to work as USB sound card
17. **Wi-Fi Antenna:** For Wi-Fi connection
18. **Reset Button:**
    Press once to initiate BT RX pairing mode
    Press quickly twice to reset Bluetooth connection
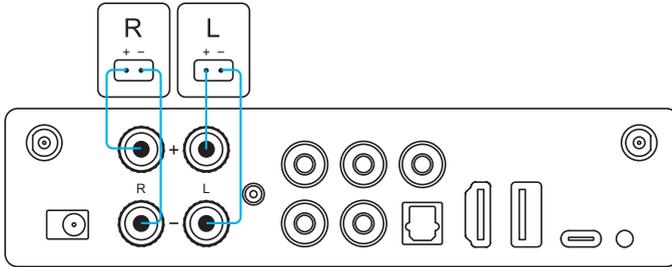   Press and hold to reset Wi-Fi connection

6. REMOTE CONTROLLER

ON/OFF — TX Pair — Mute

Phono in Mode — Phono in — Line in — Line in Mode

Volume + — + — Play/Pause

Volume – — – — Previous/Next (Bluetooth and USB)

Optical Mode — Optical in — ARC — ARC Mode

BT Receive Mode — BT RX

Treble and Bass control — Bass+ Treble+ USB/PC — USB / DAC Mode

Bass- Treble- Flat — Treble and Bass reset

Preset Play list — 1 2 3 / 4 5 6

7. INSTALLATION

Install both antennas to the device and plug in the power adaptor.
(Please make sure power is off before connecting.)

DC input

7.1 PASSIVE SPEAKERS

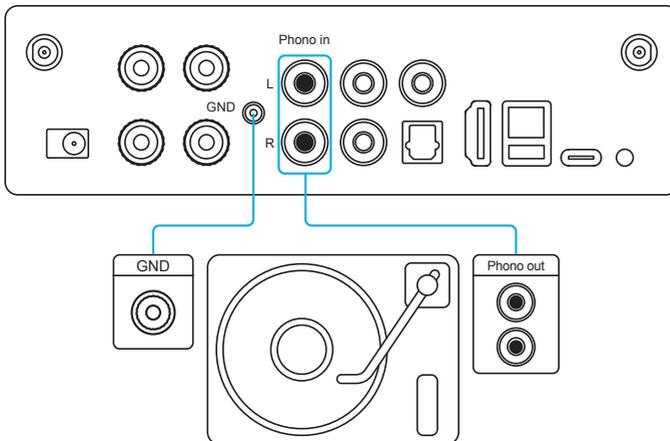Use speaker cable to connect the device to your passive speakers.

7.2 PHONO IN

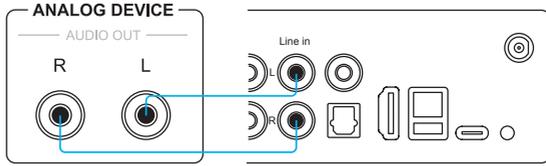Connect the turntable Audio out to the Phono in RCA connectors.
If your turntable has GND socket, you can connect it to the GND socket on the device. This is optional, if your turntable doesn't have GND socket, you can ignore it.

⚠ **Do not connect other device Line out to Phono in, it might damage the device and connected speakers.**
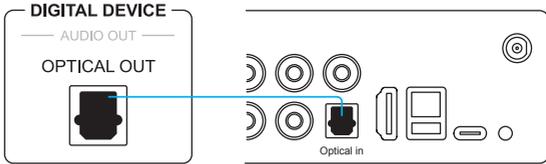
7.3 LINE IN

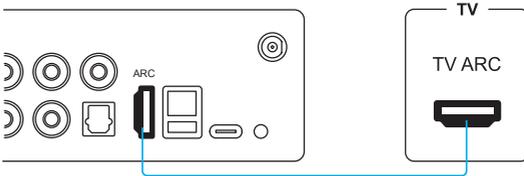Connect any playback device with Audio out/Line out/AUX out to Line in using an RCA cable.

ANALOG DEVICE
AUDIO OUT
R   L

Line in

7.4 OPTICAL IN

Connect any playback device with Optical out to Optical in using an optical cable.
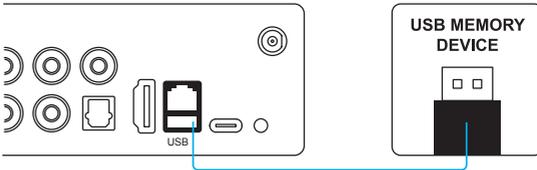
DIGITAL DEVICE
AUDIO OUT
OPTICAL OUT

Optical in

7.5 TV ARC

If you TV has HDMI ARC port, there should be a ARC text beside. You can use a HDMI cable to connect it to the ARC port on the device.
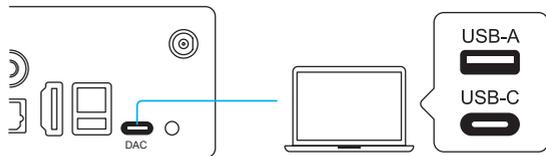
ARC

TV
TV ARC

7.6 USB DISK DRIVE

Plug in USB disk drive to the USB Host to play music.

USB

USB MEMORY DEVICE

7.7 CONNECT TO PC

Connect PC with a USB Type-C cable. Please make sure this cable is a Data link cable and not just a charging cable, or else your PC will not recognize the device.

DAC

USB-A

USB-C

8. HOW TO USE

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, Korean, Simplified Chinese, Traditional Chinese and Japanese.

4STREAM   **GET IT ON** Google Play   **Download on the** App Store

8.2 CONNECTION

8.2.1 First time usage & BLE Wi-Fi Setup

1. Power up the device.
2. Wait until the Wi-Fi indicator appears on screen and starts flashing slowly.
3. Make sure your mobile has connected to your home network using 2.4G and your GPS and Bluetooth is on.
4. Open the 4Stream app and wait for device discovery. This will take a couple of seconds.
5. 4Stream will ask to check the indicator. It should be slowly flashing white, indicating it is waiting for a Wi-Fi connection. Click if the indicator is blinking.
6. 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.
7. 4Stream APP will list out all the device available for setup, choose the one you want.
8. 4Stream APP will then ask you to choose the network you want the device to connect to, choose the one you want to connect.
9. 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.
10. Then you can change the name of the device. You can select a preset one or enter your own.
11. 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 press and hold the reset button in Wi-Fi mode to reset the Wi-Fi connection.

There is another way to setup Wi-Fi if the above method has failed:

1. Power up the device.
2. Wait till the Wi-Fi indicator on screen appears and flashes slowly.
3. Go to your mobile Wi-Fi settings and search for Smart-EVO_XXXX Wi-Fi and connect.
4. Open 4Stream APP and you should see the SmartE-VO_XXXX list in the device list.
   *Your mobile might ask if you want to stay using this Wi-Fi connection, click yes.
5. 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 SMART EVO device connect to (enter password if required) and select continue.
6. Once connected, you can change the name of the device. You can select a preset one or enter your own.
7. 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 SmartEVO_XXXX Wi-Fi 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.
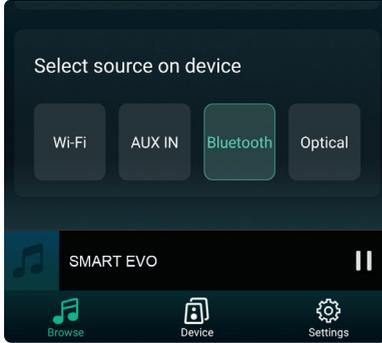
8.2.2 Connection via LAN

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 SmartEVO_XXXX from your phone bluetooth setting and pair it.
You can connect up to 2 mobile devices at the same time, but only one device can play music, the other device needs to wait till the playing device stop/pause playback.

8.3 APP FEATURES

8.3.1 Device setting

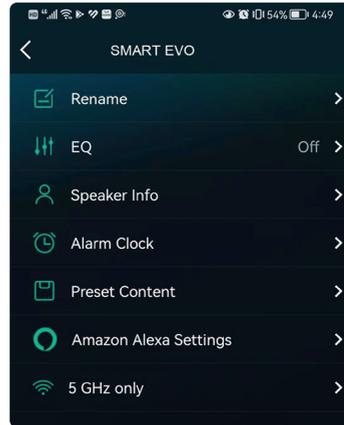**Rename**: Change the device name.
EQ: Setup EQ values or choose preset EQ to your liking.
Speaker info: Display device information like IP address, Mac address, SSID, firmware version, factory reset, etc.
Alarm Clock: Setup up to 4 different alarm clocks with music of your choice.
Amazon Alexa Settings: Setup Alexa language and turn on/off Amazon UHD.
5GHz only: Enable or disable Wi-Fi 5 GHz only mode.

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

Click the "My Music" on the Application and choose the Music ready there. Please note that our system only supports NAS with DLNA feature.

8.3.4 Line in Mode

You can connect any analog device with line out to SMART EVO. You will need to switch to Line in mode with the Mode button on the device, use the remote controller or in the 4Stream APP.
You can also stream Line in audio through Bluetooth and listen from connected Bluetooth receiver devices such as Bluetooth speakers or Bluetooth headphone.

8.3.5 Phono in Mode

SMART EVO is also a turntable amplifier, you can connect your turntable to the Phono in connectors and the GND connector to play music. Press the Mode

button on the device, use the remote controller or in the 4Stream APP to switch to Phono in mode.

You can also stream turntable audio through Bluetooth and listen from connected Bluetooth receiver devices such as Bluetooth speakers or Bluetooth headphone. Please note, compare to Line in mode, Phono in mode has a very high amplification due to the low volume of turntable. Do not connect any analog device line out to Phono in, it will create a very loud voice and risk of damaging the device and connected speakers.

8.3.6 Optical in Mode

You can connect any device with digital optical output to SMART EVO. You can press the Mode button on the device, use the remote controller or in the 4Stream APP to switch to Optical in mode.

You can also stream Optical in audio through Bluetooth and listen from connected Bluetooth receiver devices such as Bluetooth speakers or Bluetooth headphone.

8.3.7 TV ARC Mode

Nowadays most TV comes with ARC feature which is a special HDMI port for audio output. SMART EVO has such TV ARC port for you to connect to your TV as an external stereo sound system and play the TV audio to your passive speakers. In order to use TV ARC, you will need to press the mode button on the device, or use the remote controller or in the 4Stream APP to switch to TV ARC mode.

You can also activate the Bluetooth transmitting of SMART EVO and listen from Bluetooth headphone, when you want to watch TV without disturbing others.
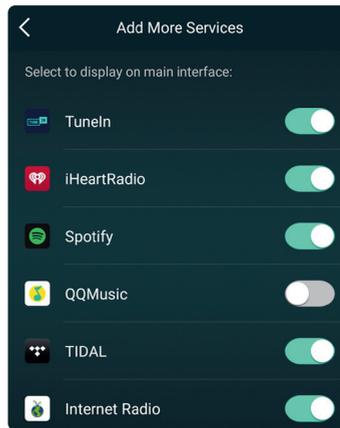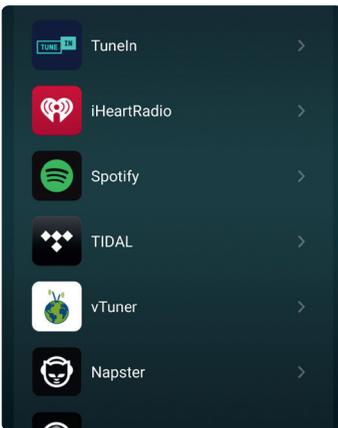
8.3.8 USB Disk Drive Playback Mode

If you have many music files and you want to play them, you can store them in a USB disk drive and playback from SMART EVO. Just plug in the USB disk drive with music files and SMART EVO will auto switch to USB Mode and playback the music.

⚠ **Please note the USB disk drive file format has to be Fat16/Fat32, max 1000 songs**

8.4 STREAMING SERVICES

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

8.4.1 Spotify Connect

Use your phone, tablet or computer as a remote control for Spotify.
Go to spotify.com/connect to learn how.
The Spotify Software is subject to third party licenses found here:
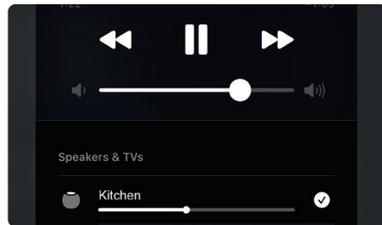https://www.spotify.com/connect/third-party-licenses

8.4.2 Group with Amazon Echo or other Amazon products

1. In the 4Stream app, enter Amazon Alexa in the source menu and login to your Amazon account.
2. Open Amazon Alexa app and login to the same Amazon account.
3. Open devices.
4. Select Plus icon and then select Combine Speakers.
5. Select Multi-room music.
6. Follow the on-screen instruction in the app to complete the setup.

Control your speaker with another Alexa device

8.4.3 AirPlay

With Apple AirPlay, you can enjoy your favorite audio content, such as music or podcasts, on your home audio system and speakers in any room - with a tap or by just asking Siri - right from your iPhone, iPad, HomePod, HomePod mini, or Apple TV. Play a song in the living room and kitchen at the same time or adjust the volume in any room, all in sync.
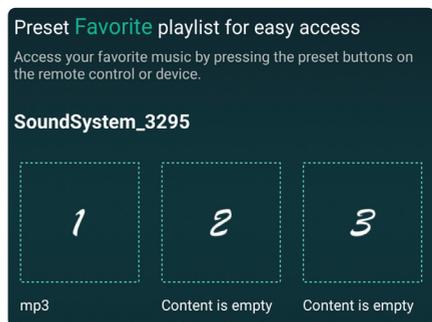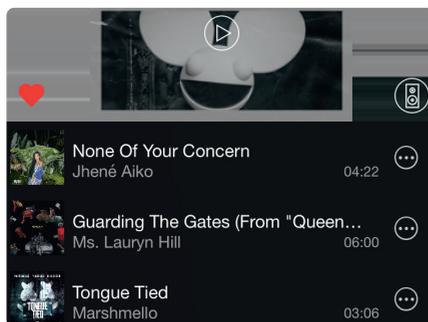

8.5 LEFT AND RIGHT CHANNEL

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.

8.6 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).

Preset Favorite playlist for easy access

Access your favorite music by pressing the preset buttons on the remote control or device.

SoundSystem_3295

1	*2*	*3*
mp3	Content is empty	Content is empty

8.7 SOURCE MODE CHANGE

- Method 1: Change on Application
  Users can change play mode on the application, Wi-Fi, Bluetooth, Line input and USB. To change from Bluetooth/line input/USB to Wi-Fi, only need choose the online streaming services such as Qobuz 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 source input mode.
- Method 3: Press the Mode Button
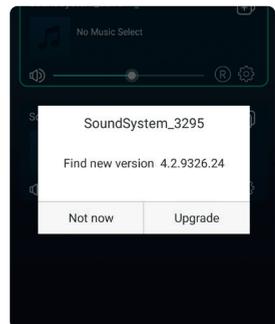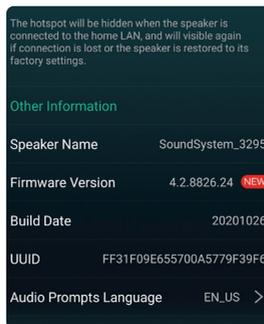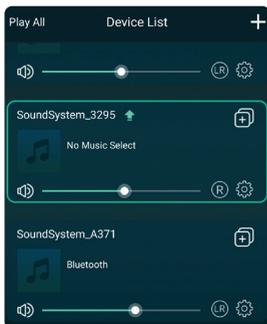 User can press the mode button once to switch source input mode.

8.8 RESTORE FACTORY SETTING

Two methods to restore device to factory settings.
- Method 1: Hold and press the power button on the remote controller.
- 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.
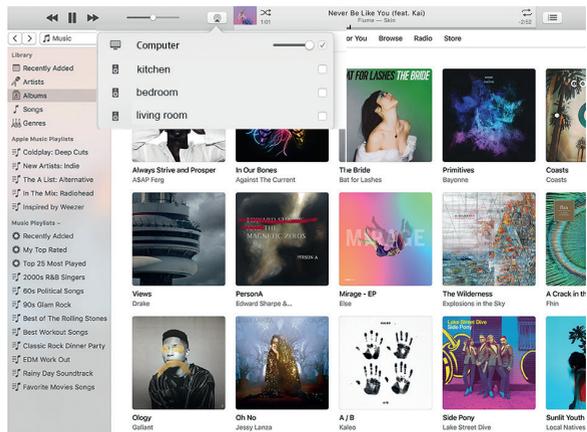
9. PLAY ON PC

There are several tools to play music from the PC.

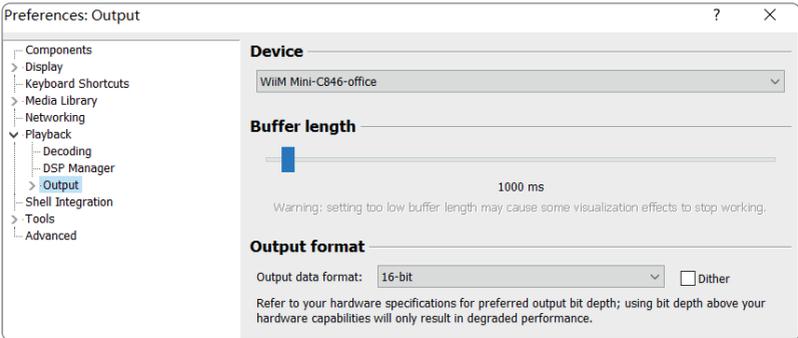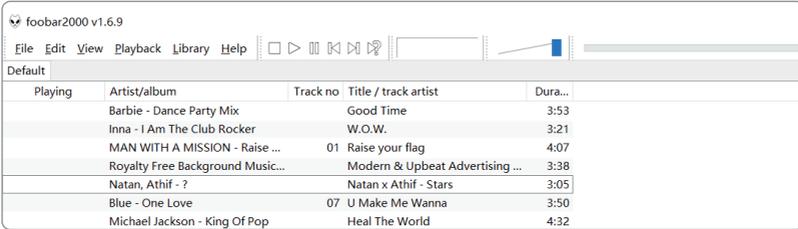**9.1 TO PLAY MUSIC FROM ITUNES ON WINDOWS PC**

Our devices can stream audio sources from local storage, media library in 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. ACPWORKBENCH (SOLD SEPARATELY)

Connect the SMART EVO 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.

11. TECHNICAL SPECIFICATIONS

AMPLIFIER	
Amplifier Power	80Wx2 @ 4Ω RMS, 160Wx2 @ 4Ω PEAK
Speaker Impedance	4-8Ω
Frequency Response	20Hz to 20kHz
THD+N	<0.1% @ 1W 1kHz
SNR	>93dB @ Max Power

NETWORK	
Wi-Fi	IEEE802.11 b/g/n 2.4 GHz / 5 GHz
Ethernet	RJ45

BLUETOOTH	
Bluetooth Standard	5.2
Codec	aptX HD, aptX LL, aptX AD, AAC, SBC

AUDIO I/O		
Audio input	Bluetooth Receive	2x Bluetooth RX, able to connect up to 2 Bluetooth transmitter devices
	Line in	Analog RCA, Max 2Vrms input
	Phono in	Analog RCA, Support MM / MC
	Optical in	Max 192kHz/24bit / PCM only
	TV ARC	PCM only
	USB Host	USB disk drive playback
	USB Type-C	USB DAC for PC connection, Sample Rate: 48kHz
Audio output	Subwoofer out	Max 3Vrms output, Cutting Frequency: 250Hz
	Speaker out	Stereo output

MUSIC SOURCES	
Streaming Protocol	Spotify Connect, AirPlay 2, Tidal Connect, DLNA, UPnP, Qplay
Online Music	Internet Radio, Spotify, Tidal, Qobuz, Napster, Amazon Music, iHeartRadio, vTuner, SoundMachine, RadioParadise, Calm Radio, QQ Music, QQ FM
Local Music	Mobile device music, NAS storage music files, USB disk drive music files
Multizone Function	AirPlay 2, Alexa

GENERAL	
Power Input	32V / 4.75A
Display	2.23" OLED display panel
Size	185 x 155 x 50mm
Weight	901g

FAQ

Q: Do your devices support third-party DLNA apps?
A: Yes. They support third-party apps like foobar2000, 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 Wi-Fi router, you can stream your music anywhere there is a Wi-Fi 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, Quboz, 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?
A: Through Bluetooth, our device can work with Google Assistant.

…….

WARRANTY CONDITIONS

2 year warranty from date of purchase. The warranty is limited to the repair of replacement of the defective material insofar as this defect is a result of normal use and the device has not been damaged. Artsound is not responsible for any other costs that ensue as a result of the defect (e.g. transport). For details, please consult our general terms and conditions of sale.

…….

This product bears the selective sorting symbol for waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European Directive 2002/96/EC in order to be recycled or dismantled to minimize its impact on the environment.For further information, please contact your local or regional authorities.

I, House Of Music NV, hereby declare that the type of radio equipment ARTSOUND complies with Directive 2014/53/EU. The full text of the EU Declaration of Conformity can be found at the following internet address: http://www.artsound.be/en/support/downloads

Disclaimer: All trademarks are the property of their respective owners. All specifications and information are subject to change without further notice. Slight variations and differences might appear between printed photos and actual product due to product enhancement.
House Of Music NV - Belgium

WE SPEAK SOUND

artsound