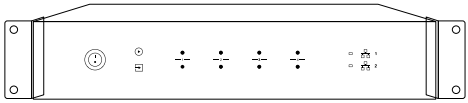
USER MANUAL

# Smart Zone 4 AMP

artsound
smart solutions in audio

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Thank your for buying our Smart Zone 4 AMP multi-room system. We hope you'll enjoy it for years to come. Please read these instructions carefully and keep this manual for later reference. .

## 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. WHAT'S IN THE BOX

Check that the packaging contains the following parts:

- Smart Zone 4 AMP
- User Manual
- Rack Mount Brackets x2
- 12V/2A Power Cable

## 3. INTRODUCTION

The Smart Zone 4 AMP is a multi-room system that enables you to enjoy your favorite music anywhere in your home. Smart Zone 4 AMP contains 4 amplified audio streamers for you to use as a complete audio system. You can easily play music from various online music services, your phone or tablet, NAS and other sources by using the 4Stream app on your iOS or Android device.

- Multi-room audio function: play different music in different rooms or the same music in every room.
- Amplification: Each zone can provide 2 x 50W (8 ohm) or 2 x 105W (4 ohm). Speaker outputs can be used in bridge mode for even more power.
- Easy network setup: Connect to your home network and it is ready to use.
- Rich I/O interface: Each zone has various analog and digital inputs and outputs. There is also a master source.
- Compatible with Artsound Smart family of products. You can combine the Smart Zone 4 AMP with other Smart products from ArtSound and control everything from the same app.

## 4. SYSTEM REQUIREMENTS

**HIGH SPEED INTERNET CONNECTION:**

The Smart Zone 4 AMP needs a wired ethernet internet connection to stream music from online music services and to get online firmware updates. You may experience performance issues with slower internet connections.

**WIRELESS ROUTER:**

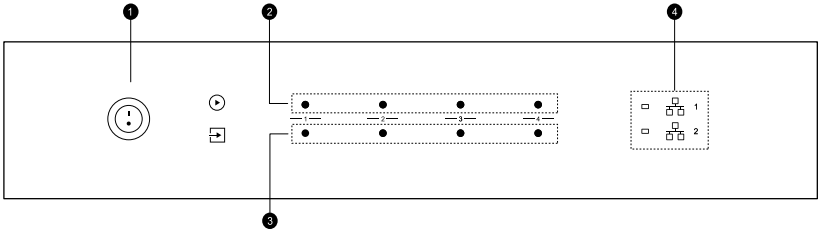
In order to use the Smart Zone 4 AMP, you will need to have a working Wi-Fi network in your home, since the control app on your mobile device needs to be in the same network as the streamer.

**CONTROL APP – 4STREAM:**

You can control the Smart Zone 4 AMP using our free 4Stream app on any recent iOS and Android device.

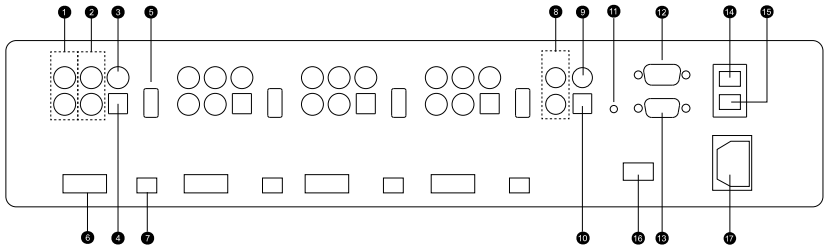
## 5. INTERFACE AND FUNCTIONS

### 5.1 FRONT PANEL



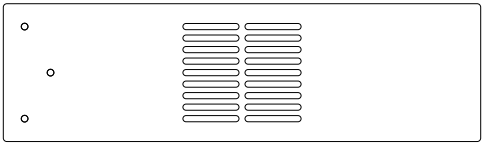

1. Power Button
2. Streaming Indicator – LED on when streaming
3. Input Source Indicator – LED Color: White for Network Audio, Green for Line in 1 (Zone Line in), Yellow for Line in 2 (Master Line in), Magenta for Master Optical in, Cyan for Master Coaxial in, Red for USB
4. Network Indicators – LED on when network is available

### 5.2 BACK PANEL



1. Pre-Out
2. Line In
3. Digital Coaxial Out
4. Digital Optical In
5. USB Port
6. Speaker output
7. Stereo / Bridge Switch
8. Master Line In
9. Master Coaxial In
10. Master Optical In
11. Reset Button
12. RS232 Pass Through Port
13. RS232 Port
14. Network Port
15. Network Port
16. Voltage Switch
17. Power Plug

### 5.3 SIDE PANEL

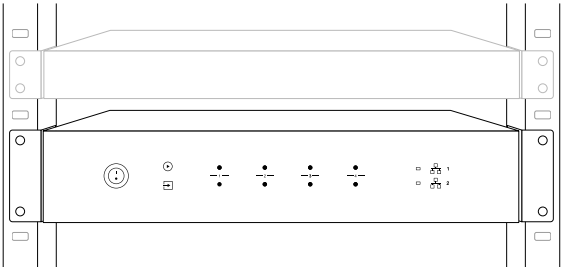


Screw holes for mounting brackets

## 6. PLACING THE SMART ZONE 4 AMP

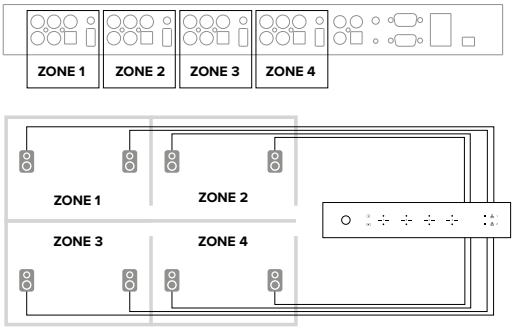
Smart Zone 4 AMP is designed to fit in a 2U equipment rack for easy installation. Attach the included rack mounting brackets on each side of the unit if you want to mount it in a standard 19 inch equipment rack.

- Align the rack mounting brackets with the screw holes and screw 3 screws that come with the package on both sides, make sure they are tightly secured.



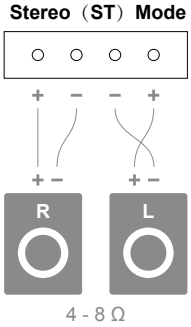
## 7. ZONE CONNECTION

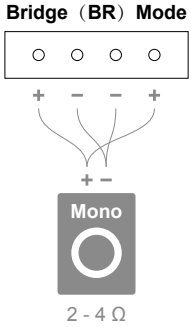
You can play the same audio source in all four zones at the same time, you can also play different audio sources in different zones.



### 7.1 CONNECT TO SPEAKERS

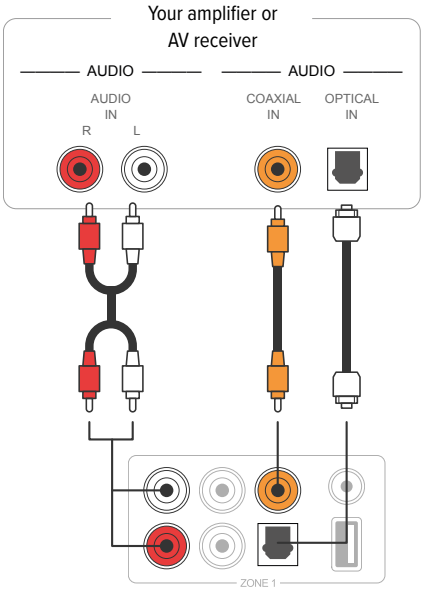
Connect your stereo speaker to the speaker output using the phoenix connector. You can also switch to Bridge mode (BR) to connect to a Mono speaker.



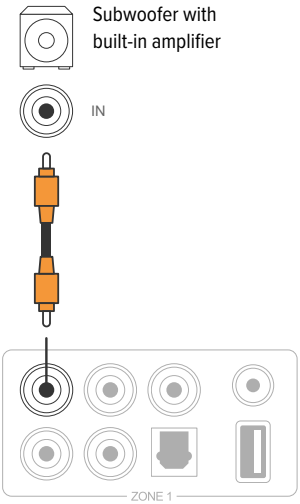

### 7.2 CONNECT TO EXTERNAL AMPLIFIER OR AV RECEIVER

Connect the LINE OUT output to the input on your amplifier or AV receiver using the appropriate cable. The Smart Zone 4 AMP supports both analog output (RCA) and digital output (Optical & Coaxial).



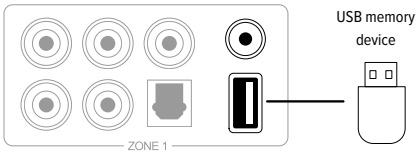

### 7.3 CONNECT TO EXTERNAL SUBWOOFER

Connect the LINE OUT “L” output to the input on your active subwoofer or subwoofer amplifier.



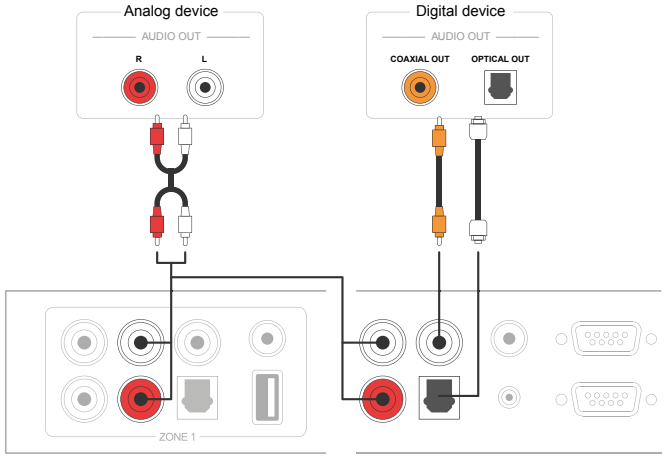

### 7.4 CONNECT TO USB STORAGE DEVICE

To play music stored on a USB storage device, just plugin a USB storage device containing music files to the USB port of the Zone you want to play it with.



### 7.5 CONNECT TO AUDIO PLAYBACK DEVICE

Connect the LINE IN in each zone or LINE IN, COAXIAL IN, OPTICAL IN in the master input area to an audio playback device, it can be a TV, CD player, mixer, portable music player or any device with audio output using the same connector. In the APP, LINE IN in each zone is represent as Line in, LINE IN in the master input area is represent as AUX. Optical IN in each zone is represent as OPT1, Optical IN and Coaxial IN in the master input area is represent as OPT2 and COX.

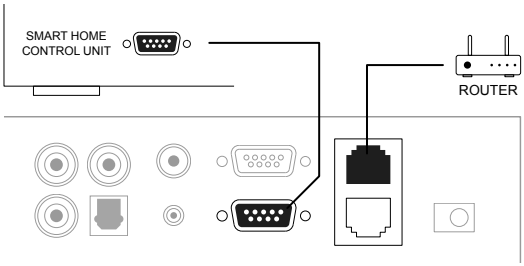



### 7.6 RS232 SERIAL PORT

RS232 serial port is reserved for connection to smart home control unit to control the Smart Zone 4 AMP. You can use the Pass-Through port to connect to another Smart Zone 4 AMP for group control. The Switches on the side are used to assign a device ID for each zone to let the control unit distinguish each zone.

### 7.7 CONNECT TO NETWORK

Connect the Smart Zone 4 AMP to your home router using a LAN cable to add it into your home network. You can use the NETWORK OUT port to connect another device to the same network.




## 8. DOWNLOAD 4STREAM APP

The 4Stream app is the controller of the whole system. Install 4Stream app in your mobile device and you can control and stream music anywhere in your home.
The application supports English, Spanish, French, German, Italian, Portuguese, Korean, Simplified Chinese, Traditional Chinese and Japanese.
You can download 4Stream app for iOS or Android by searching “4Stream” in App Store or Google Play Store.

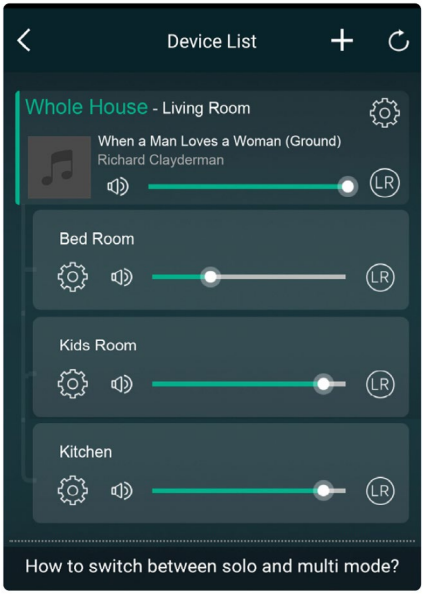
## 9. USING THE SMART ZONE 4 AMP

Once you have connected your Smart Zone 4 AMP to your network and have installed the 4Stream app on your mobile device, you can start playing music to different rooms. You can listen to different music in different room or the same music in all rooms in sync.

### 9.1 SELECTING A ZONE

In 4Stream app you will see all the connected devices in the same network.

1. Select the device you want to control, the selected device will have a green bar that appears on the left side.
2. Swipe to the left to open the list of music sources.
3. Select an online or local music source from the list to start streaming your music.

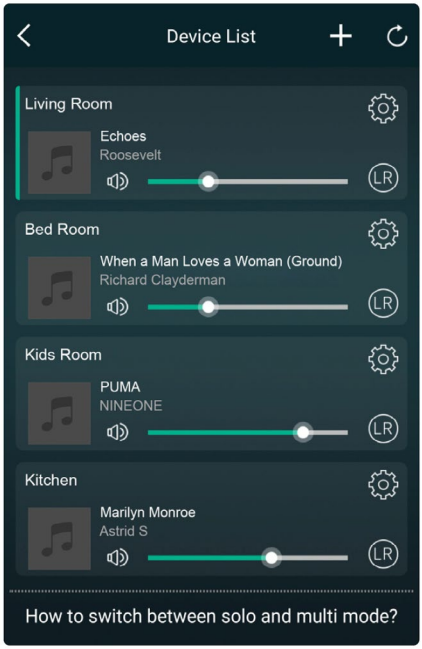



### 9.2 PLAY SAME MUSIC TO MULTIPLE ROOMS

You can play the same music to multiple rooms simultaneously by pulling a device over another device to from a group. The device list on top of the group is the master device, the music streaming to the master device will also play back on the other devices in the same group.

If your music source is from the master source input, there is no need to group the devices, since all the devices can access the master source input.

*There will be a small delay between the audio source and the 4 zones when in multizone mode, all 4 zones will be in sync with no delay between them.
*There is no delay when you use the master source input as input source for the 4 zones. No need to group them together, ungroup them to play in sync with the input source.



### 9.3 LISTEN TO ONLINE MUSIC

Smart Zone 4 AMP can work with various online streaming music services like Spotify, Tidal, Qobuz, Deezer, Amazon Music, QQ Music, TuneIn, vTuner Internet radio, iHeartradio. You can easily stream music or playlist from your account wirelessly and play on your home audio system.

### 9.4 SPOTIFY

To use Spotify, you need to have a Spotify premium account. You will find the different zones from the Smart Zone 4 AMP in the device list in the Spotify application.

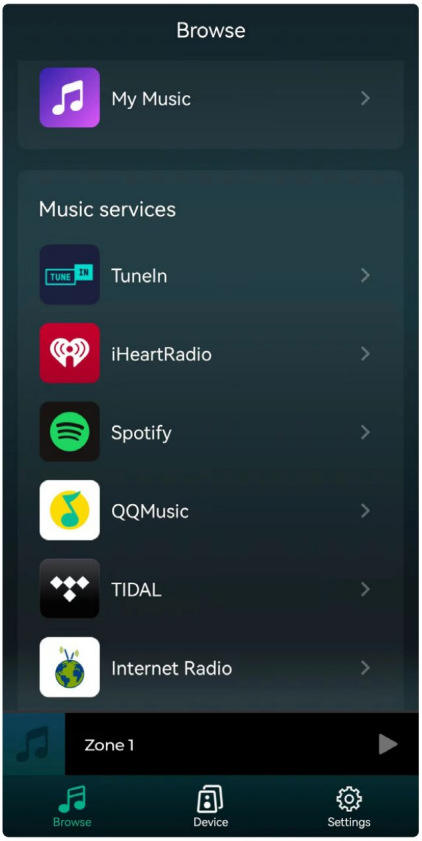
### 9.5 AIRPLAY

The device supports Airplay1, you can choose Airplay in iOS device and play music.

### 9.6 LISTEN TO LOCAL MUSIC

Smart Zone 4 AMP can stream local music stored in your mobile phone or tablet, USB storage drive, NAS using DLNA protocol or UPnP/DLNA 3rd party software.
Click on “My Music” to select the local device you want to play from.

*Our system only supports NAS systems using DLNA protocol.

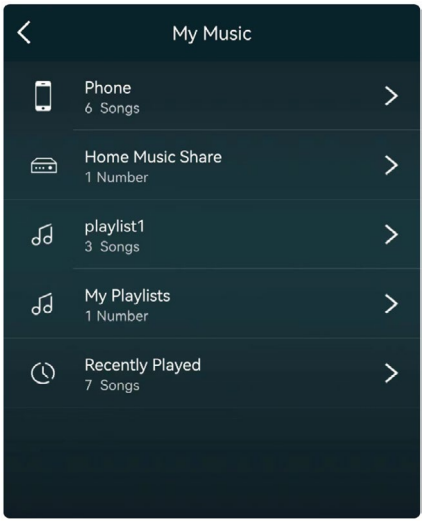



### 9.7 MUSIC PLAYLIST

You can create a music playlist and add local music to the list for streaming.

### 9.8 PLAY MUSIC FROM LINE IN

- Connect an external audio source to line-in port using RCA cable.
- Choose line in mode in the 4Stream application to switch to line in mode.
- Line in 1 is the line in port of the current zone, Line in 2 is the line in port of the master input source.



### 9.9 PLAY MUSIC FROM OPTICAL/COAXIAL IN

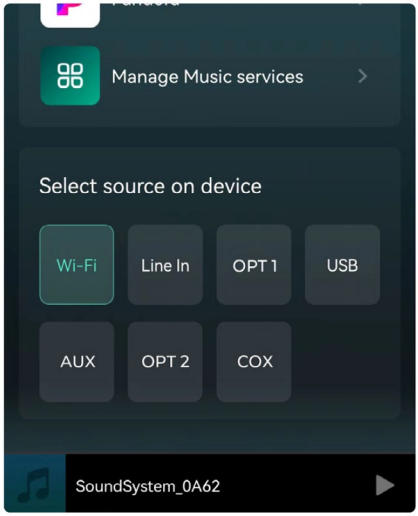
- Connect an external audio source to Optical in of a zone or Optical, Coaxial in of the master input source.
- Choose OPT1 (zone), OPT2 (master) or COX in the 4Stream application to switch to the corresponding mode.

### 9.10 PLAY MUSIC FROM PC

You can stream audio stored in your Mac and Windows PC by using iTunes, 3rd party UPnP/DLNA streaming program like Foobar2000, Music Bee or Serviio.

### 9.11 CHANGING OUTPUT CHANNELS

You can change the output channel of the zone, you can change between Left channel only, Right channel only or Stereo. You can set Zone 1 to play Left channel and Zone 2 to play right channel, group them together to make stereo. By default it is set to Stereo.




## 10 DEVICE SETTINGS

### RENAME

You can rename each zone to different name to fit your needs.

### SPEAKER INFO

You will see the device information like device's IP address, Device name, Firmware Version and Restore Factory Default.

### PRESET

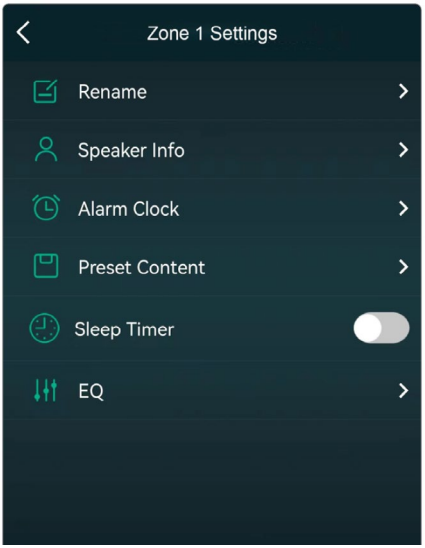
You can store 10 different playlist or radio stations to the Preset list for quick access.
Any list or station with the speaker icon can be preset. Click on the speaker icon and you can assign it to the preset list.

### RESTORE FACTORY SETTINGS

Long press the Reset button for 8 sec to restore the device to factory default settings.
This will reset all the zone names, volume and current input source.

### ALARM CLOCK

Setup music alarm clock, music can come from Preset list, vTuner Internet Radio, iHeartRadio, Napster, Tidal, Spotify, Deezer and NAS




### SLEEP TIMER

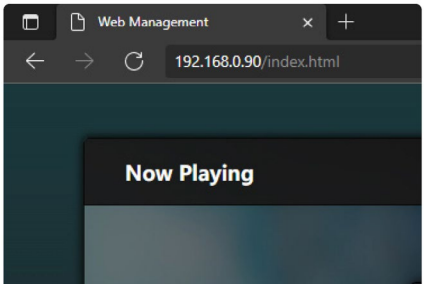
Setup a Countdown timer to stop the music playback.

### EQ

You can control treble and bass of the device.

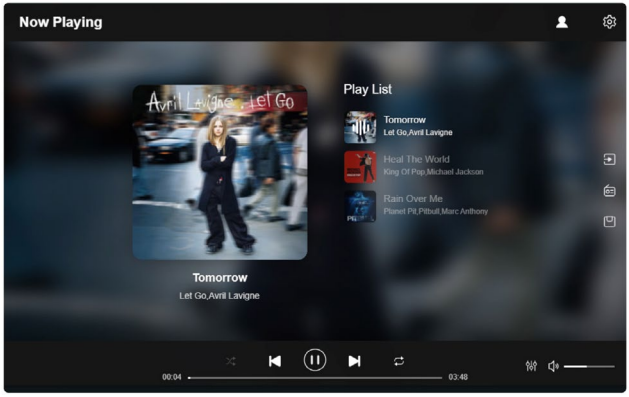
## 11 WEB PLAYER INTERFACE

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.



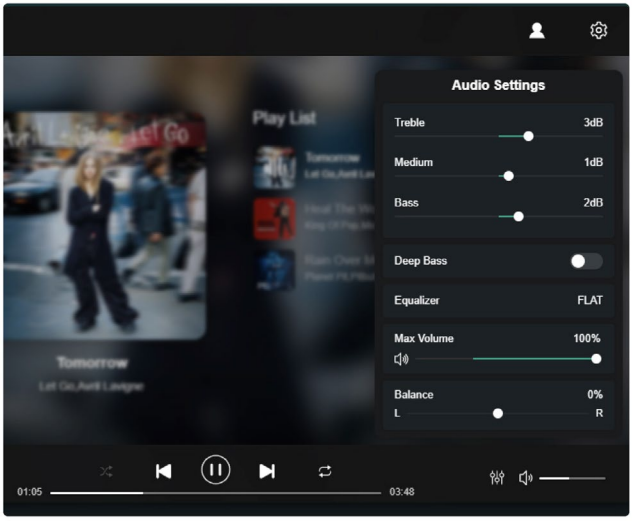

### 11.1 PLAYBACK INTERFACE

You can control the volume, Play/Pause, previous/next song, repeat and shuffle function for songs or station you currently playing or access the preset songs/stations you have setup.
You can also change the input source of the device.
If you have favoirte internet radio station and know it's streaming URL, you can input it in the URL Play list for easy access.



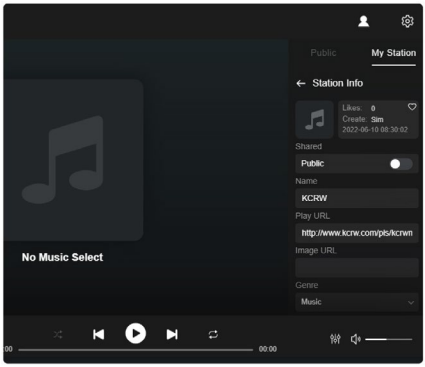

### 11.2 EQ INTERFACE

In the EQ menu, you can setup different EQ Settings. You can change the Treble/ Medium/Bass level, turn on/off Deep Bass, select Equalizer, Set the max volume level and change L/R channel balance.



### 11.3 RADIO STATION INTERFACE

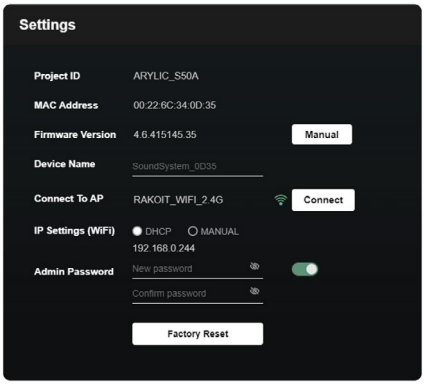
In the Radio Station Menu, you can add your own internet radio station if you have the URL.
Once you added your own internet radio station, you can check it's info and change the settings.
You can also share it to Public, so other user can also use your station in their device.
*You will need to first register an account to use this function.
In the Public Tag, you will see all the radio stations shared by our users. You can sort them by Genre, Language or Country.




### 11.4 SETTINGS INTERFACE

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 broswer input 10.10.10.254 (this is the default ip address when there is no network being setup)
3. Goto setings and click on connect button under Connect to AP option.
4. Select the router 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)

## 12. FIRMWARE UPDATE

Whenever a new firmware is available, you will be notified by a "new" icon. Click on the "new" icon to begin firmware update, it will take couple minutes.
It is recommended to update firmware when it is available, it might not only correct bugs or improve performance, but also might add new features or services.

## 13. FAQ

**Q: Do your devices support airplay and third-party DLNA apps?**
A: Yes. They support AirPlay and third-party apps like MusicBee, Foobar2000, Serviio.
**Q: How many zones can you group in one system?**
A: The system can work with up to 32 different zones. However, when you want to group zones together 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, Tidal, Qobuz, Amazon Music, Napster, TuneIn radio, internet radio (vTuner), iHeartRadio.

**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: Basic operating functions can be controlled with the web interface. With a browser by surfing to the IP address of the device. Save the bookmark and place an icon on the desktop for easy access.

**Q: Can all music sources play in multiroom mode?**

A: Yes, the online music services, digital and analog input all can stream in multiroom mode.

## 14. SPECIFICATION

| | | |
|---|---|---|
| **Audio Input (Zone)** | Line in | Max 2V RMS input |
| | Optical In Max 192kHz/24bit PCM | |
| | USB | USB Playback |
| **Audio Output (Zone)** | Line out | Max 2V RMS output |
| | Coaxial | 44.1KHz/16Bit output, multiroom function |
| | Speaker Output: 2 x 60W (8 ohm) or 2 x 105W (4 ohm), bridge mode (2 - 8 ohm) | |
| **Entrée Audio (Master)** | Line in | Max 2V RMS input |
| | SPDIF Optical | Max 192KHz/24Bit Sample Rate Decode PCM encoding |
| | Coaxial | |
| **Network** | | |
| **Ethernet** | 2 x RJ45 | |
| **General** | | |
| **Power** | AC 115-230V 50/60Hz | |
| **Control Interface** | Dual-way RS232 | |
| **Dimensions (h x w x d)** | 90x430x300 mm | |
| Weight | 9 kg | |

## 15. 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.

CE 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 - Legen Heirweg 23D, B-9890 Gavere