

ENGLISH

ACCUVOICE[®]
S Y S T E M S

STREAM S3 USER GUIDE

High End Audio Systems
designed and handcrafted in
Scandinavia

Accuvoice Systems Stream S3 User Guide Rev1

I M M E R S E Y O U R S E L F I N H I G H - D E F I N I T I O N A U D I O

Thank you!

We are very pleased that you have chosen **STREAM S3** from ACCUVOICE SYSTEMS.

Two years in the making, STREAM S3 is our answer to the ultimate high-end music system that's easy to integrate in a modern living room. S3 blends radical audio engineering with sophisticated aesthetics. Designed for the most demanding audiophiles, recording engineers and music lovers who want true high-end sound quality without the fuss of selecting and matching a classic component hi-fi system. S3 is easy to use with the intuitive remote and system APP which includes features like; Automatic Room Correction, advanced 2.1 bass management with time alignment, individual personal EQ tuning with 3 presets (full lossless parametric EQ) and streaming lossless music from the leading suppliers Spotify, Tidal & Qobuz Connect. Add to that all the connectivity you will need: Analogue Line Input, HDMI-eARC, Optical, Coaxial, PC/MAC Audio + subwoofer out on RCA and WiSA. Stream S3 will seamlessly adapt to your living space...

Just add music...

Anders Wijk
CEO & Chief Designer
ACCUVOICE SYSTEMS AB



"Impressive sound quality"



"From the first tones
I was blown away"

DOWNLOAD THE APP

The APP lets you take advantage of all the cool features built into the 24Bit High Resolution WiSA Streamer:

- Automatic ROOM Correction
- User defined EQ settings
- 2.1 Bass management
- L/R Channel configuration
- Select input
- Adjust volume
- And much more...

Download Platin Harmony from
Apple App Store



Download Platin Harmony from
Google Play



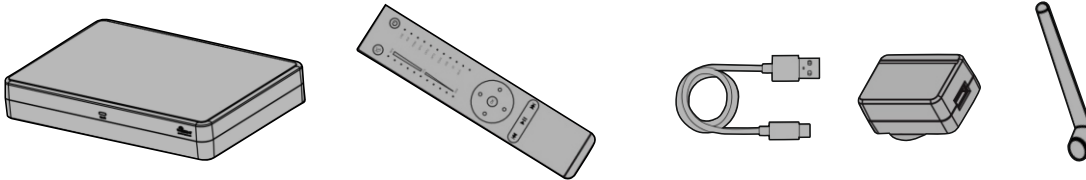
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STREAM S3 - What's included

ACCUVOICE
SYSTEMS



2x STREAM S3 Active High End Speakers
2x 2m Regional Specific Power cables
1x WiSA High Res 24Bit/96KHz Streamer/Hub
1x Rechargeable Aluminium remote
1x Wi-Fi Antenna for Streamer/Hub
1x Power supply with regional adapters
1x USB-A to USB-C power cable



Installation – Speakers and WiSA Streamer

1. System setup

To simplify the installation process, we run a full system setup before final packaging and shipping. The only thing you need to do is connect the Streamer to your own Wi-Fi network. Your local dealer can help you out if you need assistance.

2. Selecting a Wi-Fi Network

During installation and daily use **your smartphone** (or tablet) **must be connected to the same Wi-Fi network as the Streamer. Note: use 2,4GHz.** Don't place the Router in between the speakers and the Streamer. Keep some distance (>3m) between the Router and the Streamer. Try to avoid MESH networks. If you have an Ethernet outlet nearby, we suggest using this after the installation.

When connected to both Ethernet and Wi-Fi, the streamer will prioritize the Ethernet connection.

3. Install the system control APP

Start with installing Platin Harmony from the APP Store onto your smart phone or tablet.

4. Unpacking

Start with the Streamer and mount the supplied Wi-Fi antenna (upper right corner of streamer) and position the Streamer where it best suits your needs, e.g. close to a TV or an analogue source component like a Turntable.

5. Power up the Streamer

Connect the included power supply with the included USB-C cable. (Never mix this up with a standard USB

charger. They sound terrible if used as replacement!) The front LED will blink rapidly - this indicates it searches for a Wi-Fi network.

6. Connect Streamer to your Wi-Fi

Now open the APP and setup the new Wi-Fi for the Streamer. When finished the front LED will turn solid white.

7. Remote Control

Unpack the remote control and check the charging level by pressing the OK button (~2sec). It's shipped at 30-50% charge level, charge if necessary. The green LED indicates when it's on-line with the Streamer. To re-connect the remote to the Streamer: Push WiSA PAIR button on the Streamer (3sec) and then press any button on the remote while it's active.

8. Installing the speakers

Unpack the speakers and position them according to the Left/Right labels or use the serial number located on the product sign on the back indicating L/R. The Left/Right channels are pre-configured by us. We suggest using good high-quality speaker stands ~60cm high. Connect the power cables and set the power button to on = signal sensing AUTO ON.

9. Connecting the speakers with WiSA

Make sure the speakers are powered up. The streamer will automatically connect to the speakers within ~90s.

10. Check speaker L/R in APP

You can check the speaker position in the APP, press speaker symbol and then press and hold the Left speaker symbol and pink noise should be heard from

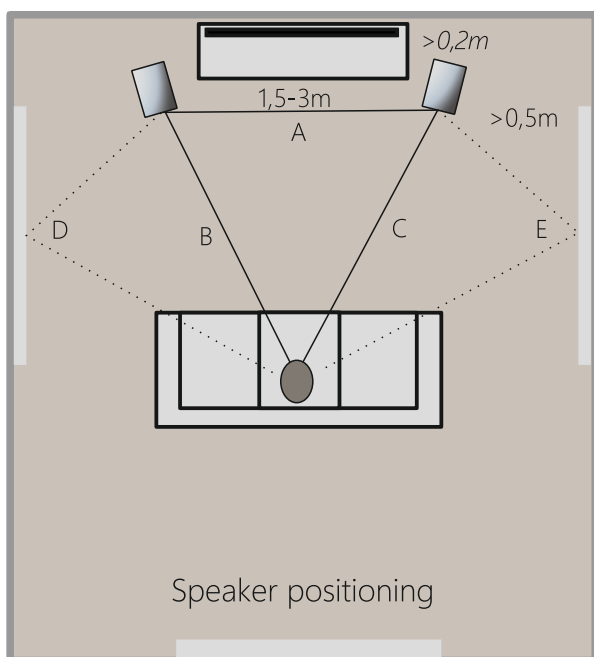
the left speaker position. Repeat with right speaker to make sure channels are configured correctly.

11. **Select 2.0 or 2.1 setup**

In the system APP it's possible to select 2.0 or 2.1 system layout if you wish to add a subwoofer. This is where you find bass management, channel levels and distance (timing between subwoofer and main speaker).

12. **Speaker positioning**

When the system is ready it is time to adjust the speaker positioning to find the best possible sound staging and bass response before using features like our ROOM EQ. The setup procedure should be carried out with the same precision as any standard passive high-end speaker system. Avoid placing in corners, use a slight toe-in toward the listening position. Try to find the neutral positions in the room and try to have a symmetrical layout around the speakers. Try to form an equilateral triangle of distance A-B-C. This needs to be optimized in each individual room. Distance B and C should be identical. If distance B and C is kept shorter than A, a wider soundstage will be the result.



13. **Using the ROOM Correction**

When the optimum speaker positioning has been found you can use Automatic Room Correction to optimise the system in your room. The system measures and corrects for standing waves and room modes below the room transition frequency (~200-300Hz) and will not degrade midrange and high frequency reproduction. This is a great feature and can save a problematic room! Experiment and fine tune to your

taste. Recommended low frequency limit is 35Hz when not using an external subwoofer. When making a Room Correction measurement move the mic slowly around the listening position +/- 0,8m horizontally, +/-0,5m vertically and +/- 0,3m in depth during the automatic 60sec measurement time.

14. **Microphone for measurement**

Room Correction can use the built-in mic in recent iPhones, or you can purchase (or lend from your dealer) our measurement microphone for best possible results. Android users need to use this Mic.

15. **Tune the sound with lossless EQ**

Personal EQ settings can be used to fine tune your setup to match your room and your sound preferences. Three separate "custom signature EQ" can be designated by the user.

16. **Stand by time**

The Streamer and S3 will enter automatic standby mode after 20 minutes without audio signal. The system will become active again when it receives a signal. The standby time can be adjusted in the settings menu in the APP, but we strongly advise NOT to have the system set to always on. The electric bill, the environment and the electronics will have a prolonged and happy life.

17. **Automatic input selection**

The streamer has automatic input detection. This means it will automatically wake up and detect an active input. Should more than one input have signal, it will choose the input with highest priority. The priority order is: 1-Streaming, 2-Bluetooth, 3-HDMI, 4-USB Disc, 5-PC/MAC, 6-Coax, 7-Optical and 8-Line Input.

18. **Available inputs and MAX input levels**

The line input utilize an Audiophile grade Texas Instruments AD converter for best possible performance. Connecting an LP player requires an external RIIA. Some turntables have a built in RIIA, these can be connected directly to the line input. **Note: MAX input level is 2,5V.**

19. **Recommended use of the system**

When streaming music from Spotify, Tidal or Qobuz we recommend using the "Connect" feature in the apps for best possible sound quality – and ease of use.

20. **Break-in period**

A loudspeaker system consists of many finely tuned mechanical moving parts and they all benefit from being used for 30-50h or more to loosen up and give full sonic performance. Still, our Stream S3 system will sound excellent right out of the box. Please note that

especially bass drivers need to be exercised from the first time for a couple of hours. Also, the amplifiers and electronics sound best when fully warmed up (>20min).

Installing and using the Measurement Mic

21. Check Mic battery

Charge the mic and when ready press the on/off button. The LED will blink rapidly (ready to configure). If you are lending the device its Wi-Fi settings need to be reset by pressing the on/off button for 10 seconds. Then it will be ready to configure. Open the Platin Harmony APP and the mic will be available to connect via Wi-Fi (2,4GHz). When connected the LED will turn solid green.

22. Using the mic

To use the mic in the System App, click the mic icon in the upper right corner.

23. How to measure the room acoustics

When making a Room Correction measurement move the mic slowly around the listening position +/- 0,8m horizontally, +/-0,5m vertically and +/- 0,3m in depth during the automatic 60sec measurement time. It's not necessary to move about in the entire room. The process is easy to redo at any time and open for experimentation.

24. Set low frequency limit

In the setup you should choose 35Hz as lower limit for the speakers if no subwoofer is connected. You can fine tune the level of the bass frequencies in steps of 1dB in the Room Correction setup depending on room size and personal preferences. **Note:** Using too much gain below 40Hz will limit ultimate loudness capability of the speakers.

25. Where are the ROOM correction and personal EQ stored?

The Room Correction file and personal EQ is stored and applied in the Streamer DSP not in the speaker's internal DSP. The S3 has a high-precision high-end finely tuned sound quality and does not need to use either ROOM EQ or personal EQ in a well set up listening room with good acoustics.

Using the remote

26. Check battery charging level

Press and hold OK button for 2-3s. Battery level is indicated on volume indicator LEDs will light up (1-10). 5 LEDs = 50%

27. RF Technology

The remote operates with radio frequency transmission and it's not necessary to aim at the streamer. The remote is actively connected and uses a motion sensor to activate. When the led above the power button is

green the remote is connected to the streamer.

Using the speakers analogue XLR input

28. Select input sensitivity

The slider selector on the back of each speaker has a selector for changing gain levels. It can be set to +6dB/0dB/-6dB.

29. Automatic input selection

When inserting an XLR cable the S3 will automatically select the analogue signal.

30. Using the speaker's analogue input

The Accuvoice S3 can easily be used as an analogue high-end active loudspeaker. S3 sounds exceptional on its own in a well set up listening room with good acoustics using the analogue XLR input. Connect it to a High End preamp with variable output and only use high-quality signal cables.

ROOM Correction and Personal EQ are not available as these are stored in the streamer DSP.

Tuning and optimizing the system performance

31. Using optional High End power cables

Changing the supplied power cables with high-end alternatives is a worthwhile improvement. It can be costly but worth checking out if you want to extract the very last % of available sound quality of the system.

32. Using optional High End power supply

You can replace the Streamers power supply, but it must have DC 5V >1A output with USB-C connector. Several types are available on the market.

Troubleshooting

A. Change speaker channels Left/Right

If the speakers are inverted (L/R) Either reposition the speakers physically or change speaker L/R position in the app: Open the APP and select speaker setup. If you press on the speaker symbol you will hear pink noise from one speaker. Now drag and move that speaker to your preferred channel. Update both channels to get correct Stereo reproduction.

B. Reconnect a WiSA speaker

To reconnect to the Streamer: Press the pairing button on the speaker amplifier for 3 seconds and release, now the amplifier searches for a WiSA transmitter. Do this to the incorrectly positioned speaker or to both speakers. When one or both speakers are in pairing mode – press the pairing button once on the Streamer (rear side). Now the Streamer will connect to the speakers again in default mode (both will be Left Channel). Open the APP and select speaker setup. If you press on the speaker symbol you will hear pink noise from the device. Now drag and move the speaker to the correct channel. **Note:** Remove any old unused

previously connected speaker symbols in the app.

C. Reconnect a remote control

Unpair the remote, hold both navigation arrow left and down for 5 seconds. All LEDs will light up when reset is done. To Factory reset: Press the pinhole button once on the bottom of the remote next to the USB-C charging. To reconnect: Hold the WiSA Pair button on the rear of Streamer for 3 Sec, then push any button on the remote.

D. Updating software in Streamer

The Streamer needs a power cycling to receive updates and to reset. Try this if the system does not respond. Unplug the device and wait for 30s before reconnecting.

E. Erase cached memory in Player APP

At times it can be necessary to clear your smart device cached memory in the Tidal & Spotify app.

F. Connect streamer to a new Wi-Fi network

Power-cycle the Streamer (unplug power to the unit for 30s) - this will allow you to setup the Wi-Fi connection again or click 'Network Reset' in settings in the app.

G. Unstable Wi-Fi connection

Try to avoid MESH networks for best performance. Reposition the closest MESH device, avoid having two MESH devices in same distance of the Streamer. Use an Ethernet cable if possible as it will always be the most stable and connection to internet.

H. Dropouts in only one speaker

If only one speaker loses input (as opposed to all speakers in your setup losing their input at the same time), it indicates that there may be signals interfering with the WiSA connection.

Make sure there are at least 3m between your Wi-Fi router and the streamer.

Avoid having walls between the streamer and the speakers.

Avoid having the Wi-Fi router in between the streamer and the speakers.

Important Note

The design of the Stream S3 system is carefully tuned for maximum performance. We want to keep the dynamic range of the music intact as far as possible – this means we have not fully protected the woofers from overloading – which would degrade the system performance too much to meet our high demands for accuracy and musical fidelity. This means that the powerful amplifier CAN destroy drive units if a user keeps pushing the volume beyond the systems capability. If you hear noticeable distortion or subwoofer drivers reaching their mechanical excursion limits – turn down the volume one or two steps and every part of the system will have a long and happy life.

The same applies to a classic passive speaker with a 600W amplifier, you need to be careful.

Legal information

Google Cast built-in is a trademark of Google LLC. The Spotify software is subject to third party licenses found here:

<https://www.spotify.com/connect/third-party-licenses> The Bluetooth word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Platin is under license. Other trademarks and trade names are those of their respective owners. Streamer & power amplifiers are designed by PLATIN GATE ApS Denmark.

TECHNICAL SPECIFICATIONS

SPEAKERS

Size: H:400mm, W:200mm, D:310mm

Weight: 15kg each

Frequency range: 30-22KHz

Frequency response: 35-20KHz +/- 2dB @ 1m on axis

Woofers: 2x 5,5" High performance Long Throw Subwoofers with low distortion magnet systems.

Midrange: 2x 5,5" High performance coated paper cones with low distortion magnet systems.

Tweeter: 1x29mm High performance textile dome tweeter with back chamber for low compression, copper cap low distortion magnet system.

Inputs: WiSA Wireless connection or analogue XLR

Power: 100-120VAC/220-240VAC 50/60Hz

STREAMER/HUB

Size: H: 35mm, W:210mm, D:150mm

Weight: 0,5kg

Wireless connection: WiSA 24/96KHz, 2.1 Channels

Power: 100-120VAC/220-240VAC 50/60Hz

Inputs

1x HDMI with eARC

3x Optical digital input (24/192KHz)

1x RCA Coax digital input (24/192KHz)

1x USB-B Audio PC/MAC

2x RCA Line level input (**NOTE: MAX 2,5V**)

1x USB-A USB hard drive playback

1x Bluetooth input

Outputs

1x RCA Subwoofer out

WiSA 24/96KHz, 2.1 Channels

Wireless

Apple Airplay

Google Cast

Bluetooth

Supported Streaming Services

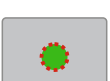
Spotify Connect (Lossless)

Tidal Connect

Qobuz Connect

ROON Ready

LED indication Streamer & Measurement MIC

	Solid White: Connected to network		Solid Green: Connected / battery full
	White (slow blinking): Booting		Solid Red: Recording / Charging
	White (rapid blinking): Wi-Fi configuration		Red blinking: <20% power
	White (irregular blinking): Updating software		White (slow blinking): Searching for network
	Solid Green: Spotify Streaming		White (rapid blinking): Wi-Fi configuration
	LED off: Device in standby or power off		LED off: Power off

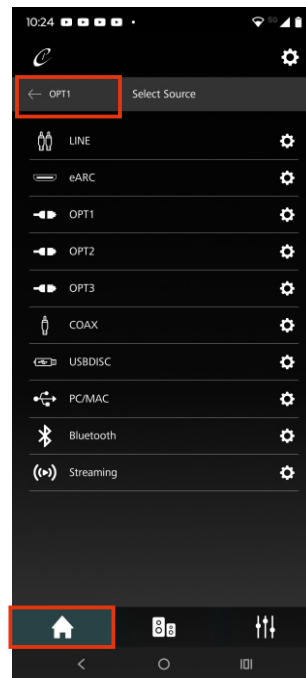
Streamer/Hub

LED signals on the front the streamer.

Measurement MIC

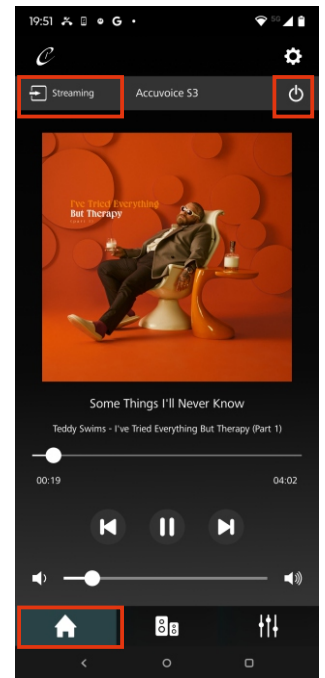
LED signals on the MIC.

A quick guide and overview of the APP



Home

Input selection page. Note: The Streamer has automatic input activation when a signal is present on an input.



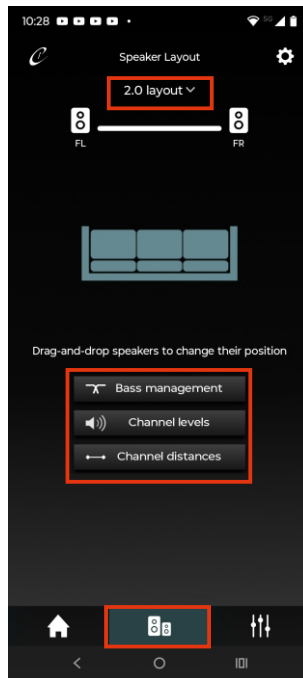
Home

Home view when streaming music via Spotify, Tidal or Qubuz.



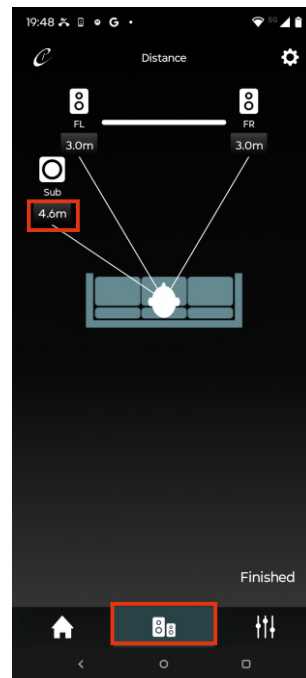
Streaming APP

Use connect mode in streaming apps like Spotify, Tidal and Qubuz for best possible sound quality and ease of use.



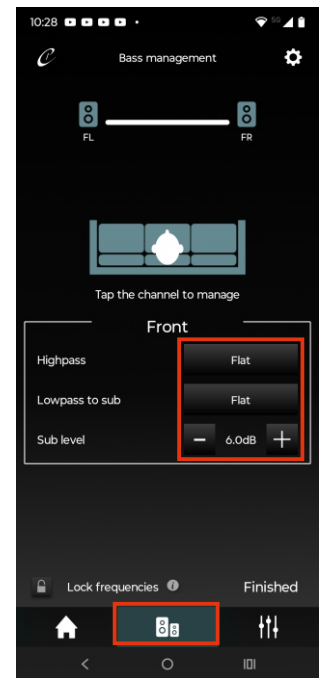
Speaker layout

Select 2.0 (Stereo) or 2.1 (Stereo with mono subwoofer) Bass management, Channel levels & Channel distances (timing)



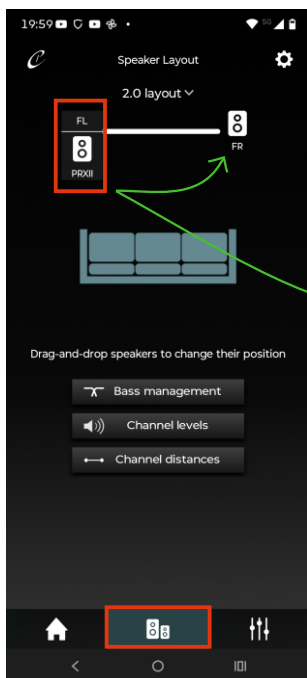
Speaker layout

Use channel distances to fine tune timing between S3 and a subwoofer. Experiment is necessary to get a perfect result. Adjust phase and crossover on the sub, or use the built in LP filter in the Streamer.



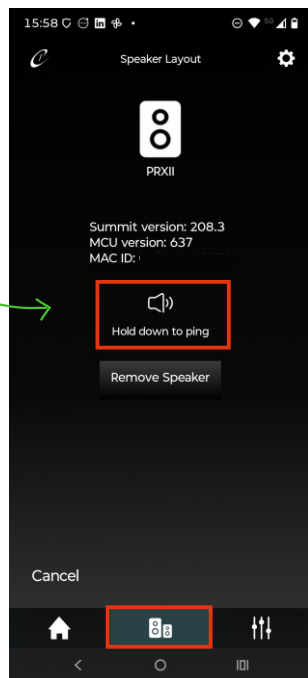
Speaker layout

In Bass management you can activate a High Pass filter to S3 (normally we suggest to set this to flat) and a Low Pass filter to an external Subwoofer. Use Sub Level to trim the loudness of an external subwoofer.



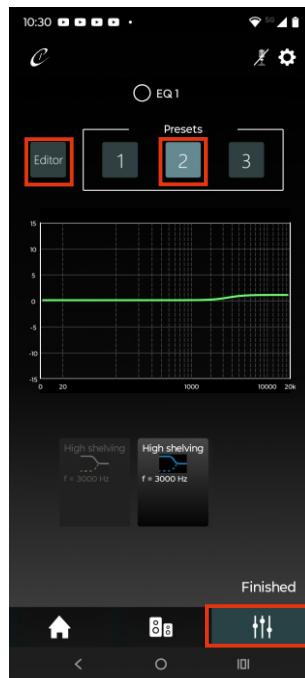
Speaker layout

To change L/R position - simply drag speaker symbol to the other channel. Make sure you have one speaker/channel.



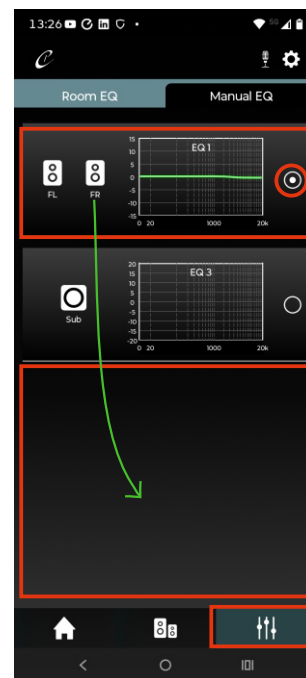
Speaker layout

Push and hold the speaker symbol to activate pink noise to identify speaker position. Remove any speakers that are shown as offline here.



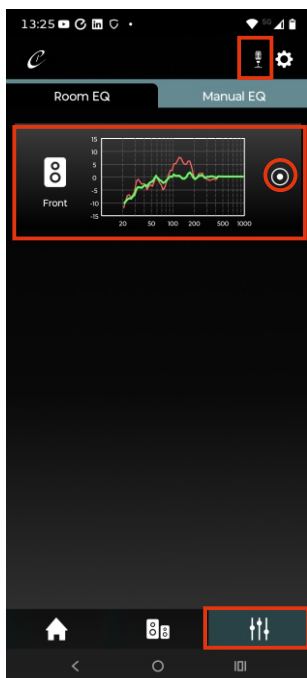
Manual EQ

Select Editor and design your preferred EQ curve. Up to 3 presets can be stored.



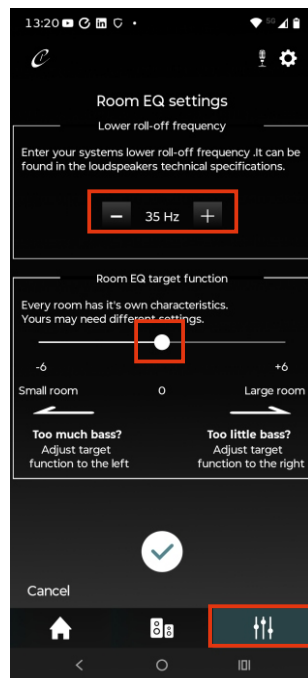
Manual EQ

It's possible to adjust the EQ individually (L/R) or together (L+R), to make the EQ individual for L/R - drag one speaker to the empty area.



Automatic Room EQ

To make a Room EQ measurement; make sure the mic is turned on and connected - shows up in upper right corner (or use the built-in in an iPhone - they show up as smartphone symbol).



Room EQ Setup

Before measurement - set lower roll off frequency and adjust bass level. Especially Room EQ target needs to be experimented with. We recommend to set the lower roll off frequency to 35Hz when used without subwoofer.



Automatic Room EQ

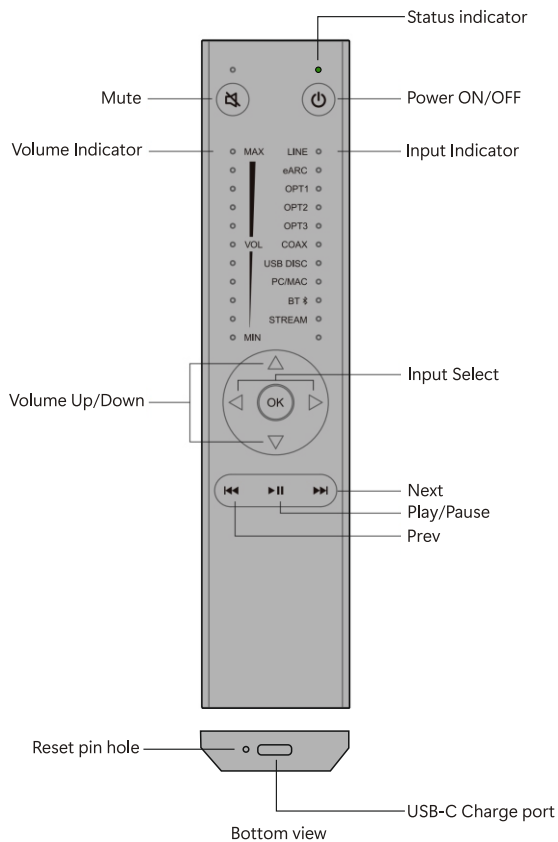
Press begin and make the measurement during the 60 seconds time window. See instructions #23 in this manual.



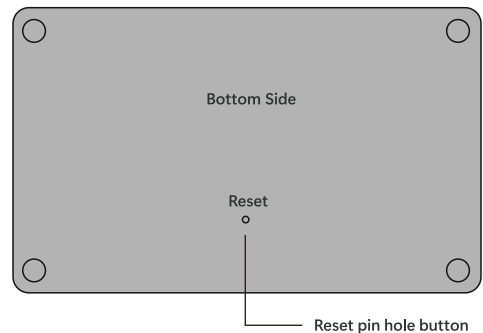
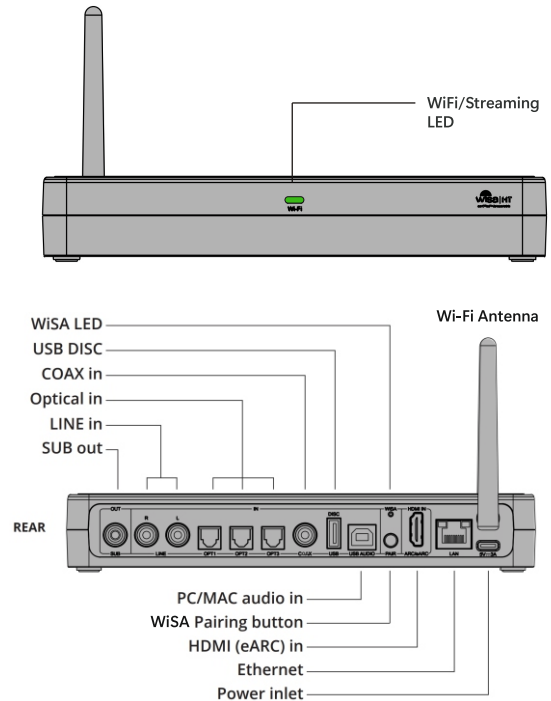
Automatic Room EQ

Select disable or redo to make a new room measurement. Click Finished to save the ROOM EQ setting.

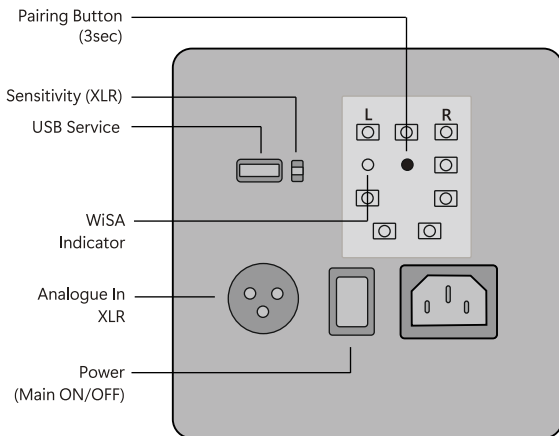
Remote Control



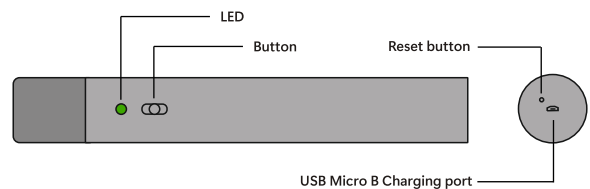
WiSA Streamer



Speaker/Amplifier



Measurement Mic (accessory)



IMMERSE YOURSELF IN HIGH-DEFINITION AUDIO



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Warranty
Electronics 2 years
Parts 5 years



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