

Aura Studio 5 Wi-Fi

/



OWNER'S MANUAL

harman/kardon

IMPORTANT SAFETY INSTRUCTIONS

Verify Line Voltage Before Use

The Aura Studio 5 Wi-Fi has been designed for use with 100-240 volt, 50/60 Hz AC current. Connection to a line voltage other than that for which your product is intended can create a safety and fire hazard and may damage the unit. If you have any questions about the voltage requirements for your specific model or about the line voltage in your area, contact your selling dealer before plugging the unit into a wall outlet.

Do Not Use Extension Cords

To avoid safety hazards, use only the power cord supplied with your unit. We do not recommend that extension cords be used with this product. As with all electrical devices, do not run power cords under rugs or carpets, or place heavy objects on them. Damaged power cords should be replaced immediately by an authorized service center with a cord that meets factory specifications.

Handle the AC Power Cord Gently

When disconnecting the power cord from an AC outlet, always pull the plug; never pull the cord. If you do not intend to use your speaker for any considerable length of time, disconnect the plug from the AC outlet.

Do Not Open the Cabinet

There are no user-serviceable components inside this product. Opening the cabinet may present a shock hazard, and any modification to the product will void your warranty. If water accidentally falls inside the unit, disconnect it from the AC power source immediately, and consult an authorized service center.

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1 INTRODUCTION

This manual includes information of the Aura Studio 5 Wi-Fi. We encourage you to take a few minutes to read this manual, which describes the products and includes step-by-step instructions to help you set up and get started. Read and understand all the safety instructions before using your product.

This product may have an important software update available. Please follow the instructions to connect the product to Wi-Fi to ensure that your product has the most recent software updates.

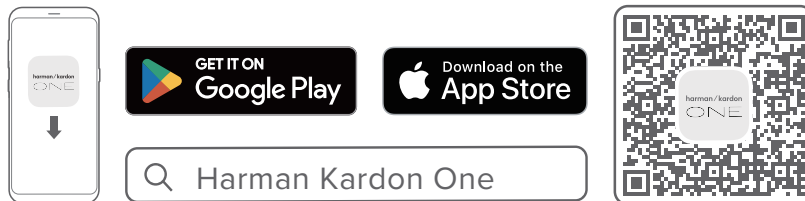
Design and specifications are subject to change without notice. Some features require subscriptions or services not available in all countries.

If you have any questions about this product, its installation or its operation, please contact your Harman Kardon retailer or customer service, or visit us at www.harmankardon.com.

Harman Kardon One app

With the Harman Kardon One app, you can

- easily connect this speaker to your Wi-Fi network;
- access software updates when they are available;
- connect *music streaming services;
- personalize audio and lighting settings;
- create a stereo pair;
- set up multi-speaker connection via Auracast;
- access additional features.



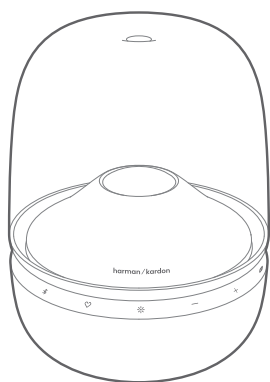
For more information, see [“5.1 Play over your home network”](#).

NOTES:

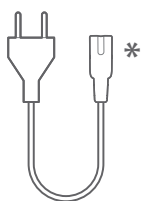
- *Subscription may be needed and not provided by the Harman Kardon One app.
- App screens in this Owner’s Manual may vary due to software updates. Always follow the app instructions.

2 WHAT'S IN THE BOX

Carefully unpack the box and check if the following parts are included. If any part is damaged, do not use it, contact your Harman Kardon retailer or customer service.



1



2



3

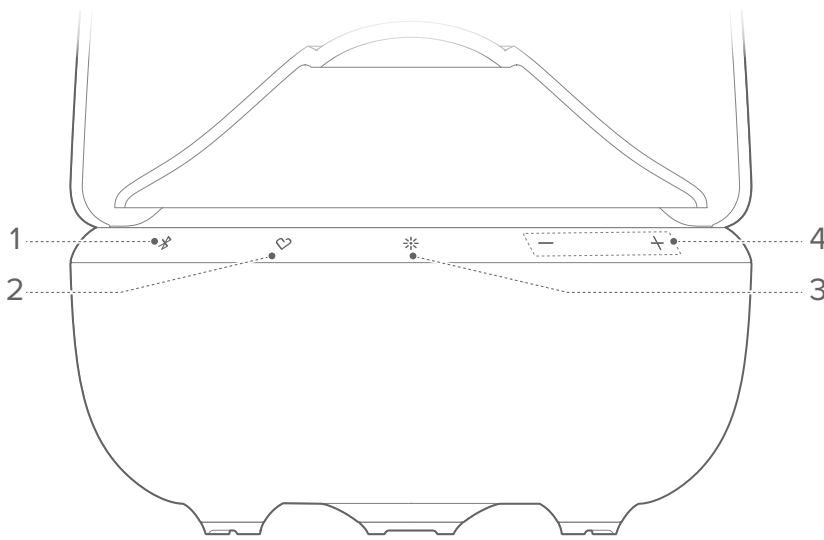
1. Speaker
2. Power cable (2m / 6.5ft)*
3. Product information

*Power cable quantity and plug type vary by regions.

3

PRODUCT OVERVIEW

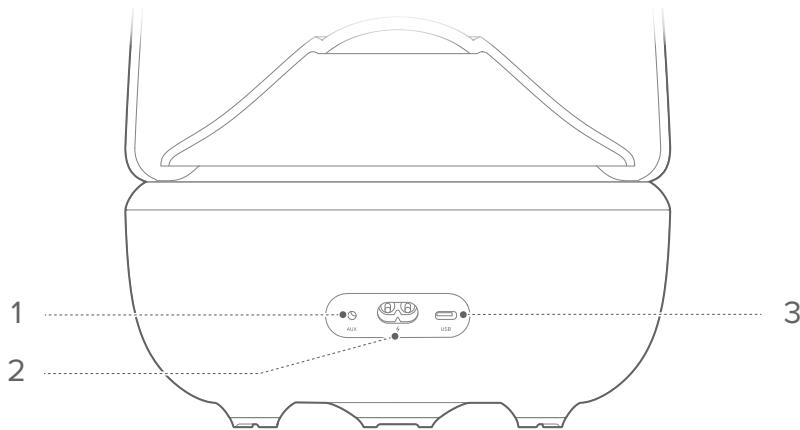
3.1 Front view



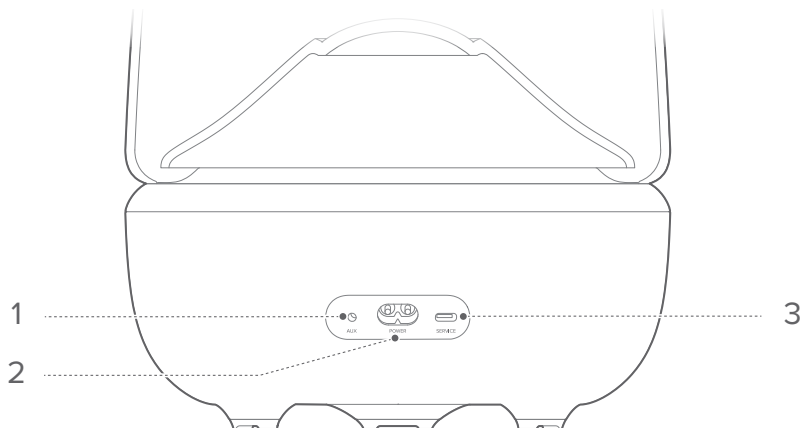
1. 
 - Press to enter Bluetooth pairing mode.
2.  (Moment)
 - Press to play / stop the ambient sound or your personalized music playlist in the Harman Kardon One app.
3. 
 - Press to turn the light effect on or off.
 - Hold for more than 2 seconds to adjust the brightness of the light.
 - Press twice to switch between different lighting themes.
4.  (Volume)
 - Decrease or increase the volume.
 - Hold to decrease or increase the volume continuously.
 - Press both buttons together to mute or unmute.
 - Press both buttons together to disconnect multi-speaker connection.

3.2 Back view

North American version



All other versions



1. AUX

- Connect to an external audio device through a 3.5 mm audio cable (not supplied).

2. ⚡ / POWER

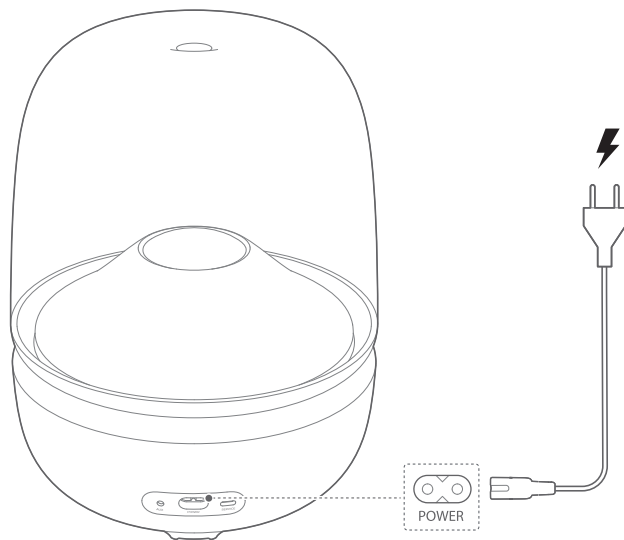
- Connect to power (with the supplied power cord).

3. USB / SERVICE

- USB connector for software update (for service only).
- Connect to USB storage device for MP3 file playback (for US version only).

4 POWER ON

4.1 Connect power



Connect the speaker to power by using the supplied power cord.

→ The speaker switches on automatically.

NOTE:

- Use the supplied power cord only.

4.2 Auto standby

- If the speaker is inactive for more than 10 minutes, it will enter standby mode automatically.
- To disable or re-enable the auto standby feature, hold **—**, **+**, and **⌘** together for more than 5 seconds.

4.3 Auto wakeup

In standby mode, the speaker will wake up automatically when

- you press any button on the speaker;
- the speaker is connected to your home network and you control the setup and playback through the Harman Kardon One app;
- the speaker is connected to your home network and starts Wi-Fi streaming.

5 PLAY

5.1 Play over your home network

5.1.1 Wi-Fi connection with your home network

Connect the speaker to your home Wi-Fi network. Through the Harman Kardon One app and supported streaming services (Google Cast, AirPlay, Spotify Connect, or other services), you can stream music from your smartphone or tablet to the speaker.

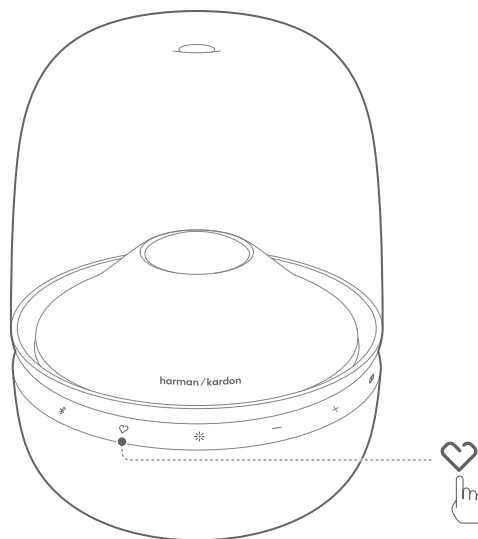
- 1) Make sure the speaker is connected to power.
- 2) Connect your Android™ or iOS device to your home Wi-Fi network. Download the Harman Kardon One app.
- 3) Launch the Harman Kardon One app. Follow the app instructions to complete the speaker setup.
- 4) After successful setup, start Wi-Fi music streaming.

NOTES:

- The speaker can support audio streaming, but not video streaming.
- Make sure that your speaker is connected to the same Wi-Fi network as your Android or iOS device.
- If your speaker is not discovered by the Harman Kardon One app, hold  (Moment) and  together for more than 10 seconds to re-enter the Wi-Fi setup mode.

5.1.2 Access your presets with the ♥ (Moment) button

- 1) In the Harman Kardon One app, personalize the ♥ (Moment) feature.
- 2) On the speaker, press ♥ to play the ambient sound or your music playlist that you have personalized in the Harman Kardon One app.



- 3) To stop the playback, press ♥ again.

5.1.3 Play with Google Cast

With Google Cast, stream audio on your Android or iOS device to the speaker.

On your Android or iOS device,

- 1) Launch the Harman Kardon One app, and check that you have enabled Google Cast.

- 2) In a Google Cast compatible music streaming app, play music, tap the cast icon  and select the connected speaker.

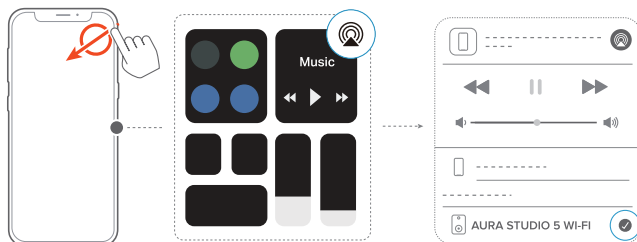


5.1.4 Play through AirPlay

Through AirPlay, stream audio on your iOS device to the speaker.

On your iOS device,

- 1) Swipe down from the upper right corner to enter the Control Center.
- 2) Tap  to select the connected speaker and then start audio streaming on your iOS device.



NOTE:

- On your iOS device, add the speaker to the Apple Home app and manage it together with other AirPlay-compatible speakers.

5.1.5 Play through Spotify Connect

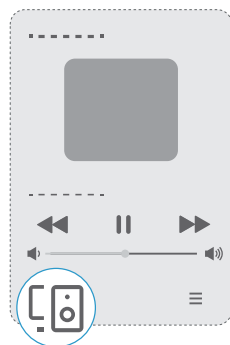
Through Spotify Connect, stream audio from your Android or iOS device to the speaker.

NOTE:

- Subscription is required for Spotify Connect.

On your Android or iOS device:

- 1) Launch the Spotify app and select a song to play.
- 2) Tap the speaker icon  in the bottom corner of your screen.



- 3) Select the connected speaker from the device list, and then start audio streaming.

5.1.6 Play through Tidal Connect

Through Tidal Connect, stream audio from your Android or iOS device to the speaker.

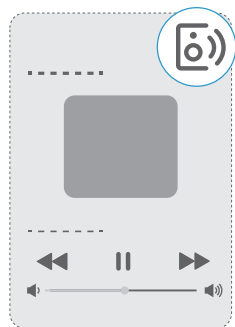
NOTE:

- Subscription is required for Tidal Connect.

On your Android or iOS device:

- 1) Launch the Tidal app and select a song to play.

- 2) Tap on the device selector  at the top right of the screen.



- 3) Select the connected speaker from the device list, and then start audio streaming.

5.1.7 Play through Qobuz Connect

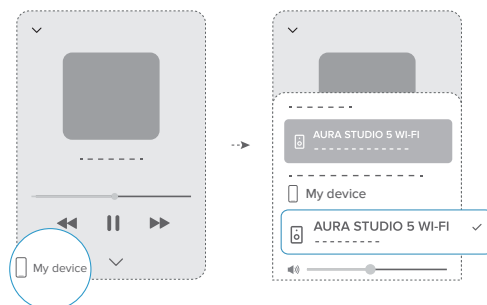
Through Qobuz Connect, stream audio from your Android or iOS device to the speaker.

NOTE:

- Subscription is required for Qobuz Connect.

On your Android or iOS device:

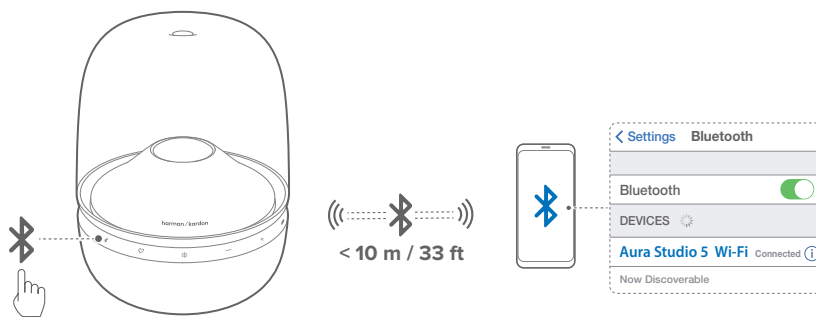
- 1) Launch the Qobuz app and select a song to play.
- 2) Tap the “Audio Output” icon on the “Now Playing” screen.
- 3) Select the connected speaker from the device list.



→ Music will stream directly from Qobuz to the selected speaker, and you can control playback through the app.

5.2 Play from your Bluetooth device

Through Bluetooth, stream audio from your Bluetooth device to the speaker.



- 1) Press to start pairing.
- 2) On your Bluetooth device, enable Bluetooth and search for “**Aura Studio 5 Wi-Fi**” within three minutes.
 - You will hear a confirmation tone when the connection is successful.
- 3) Start audio play on your Bluetooth device.
 - Audio is steamed from your Bluetooth device to the speaker.
- 4) Adjust the volume on the speaker or your Bluetooth device.

5.2.1 Reconnect the last paired device

Your Bluetooth device is retained as a paired device when the speaker goes to standby mode. Next time you press , the speaker reconnects the last connected device automatically.

5.2.2 Connect to another Bluetooth device

- 1) Press .
- 2) Follow Step 2 under [“5.2 Play from your Bluetooth device”](#).

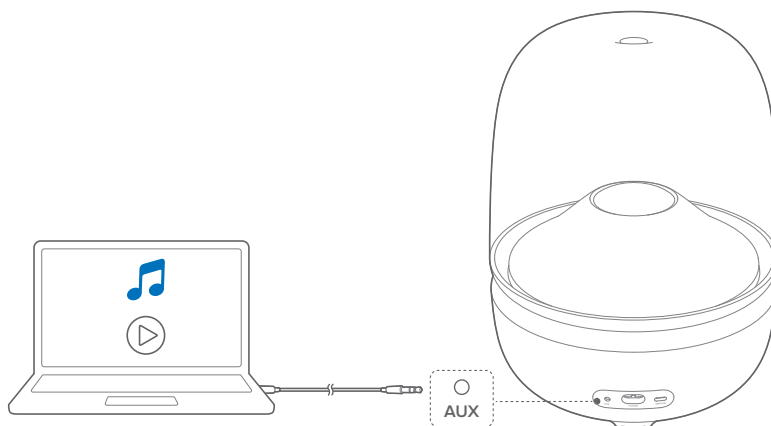
NOTES:

- The speaker supports multi-point connection. You can pair a second Bluetooth device without disconnecting the first one.
- The Bluetooth connection will be lost if the distance between your speaker and Bluetooth device exceeds 10 m / 33 ft.
- Electronic devices may cause radio interference. Devices that generate electromagnetic waves must be kept away from the speaker, such as microwaves and wireless LAN devices.
- Music streaming through Bluetooth will stop when you start streaming from another source.

5.3 Play from an external device

NOTE:

- To play audio through the audio cable, stop streaming over Bluetooth and Wi-Fi.



- 1) Connect an external audio device to the speaker through a 3.5 mm audio cable (not supplied).
- 2) Start audio playback on the external device.

5.4 Multi-room playback

With the multi-room playback, you can stream music on your Android or iOS device to multiple Google Cast / AirPlay-enabled speakers.

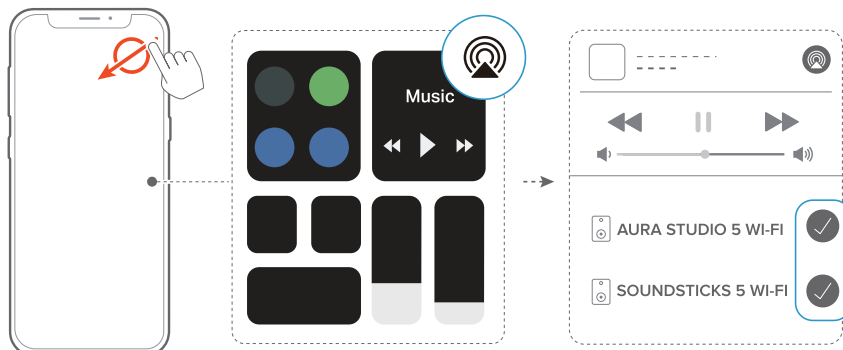
Google Cast

- 1) Through the Google Home app, connect multiple Google Cast-enabled speakers to the same network, assign them to multiple rooms, and create groups as needed.
- 2) Run the Google Cast-enabled app on your smartphone or tablet.
- 3) Play music. Tap the  icon and select the grouped speakers.

NOTES:

- To create a multi-room speaker group in the Google Home app, make sure that you have connected all the speakers to the same home network and have used the same Google login account. Refer to the Google Home app for more details.

AirPlay

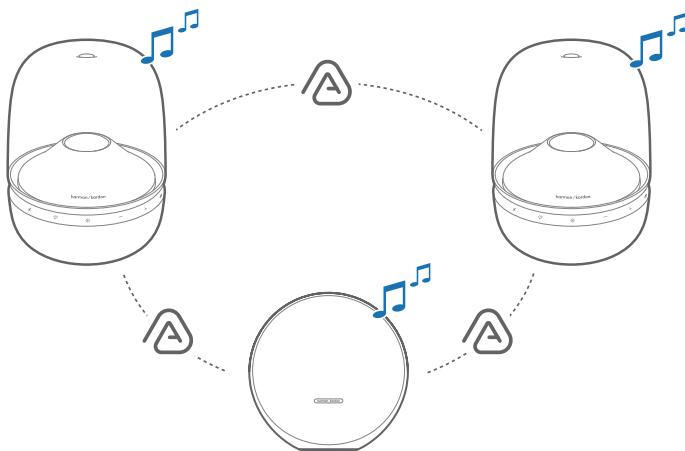


- 1) On an iOS device, enter the Control Center.
- 2) Tap  to select multiple connected speakers as needed.
- 3) Start music streaming from an app.

5.5 Play from multiple speakers

Using the Harman Kardon One app, you can connect two or more Harman Kardon speakers simultaneously. By grouping these speakers together, you can enjoy an immersive sound experience from the group.

- 1) Make sure the speakers are turned on.
- 2) In the Harman Kardon One app, follow the app instructions to add the compatible speakers to create a party.
- 3) Start music playback on any of the grouped speakers.
→ Music will stream to all other speakers in the group.



NOTE:

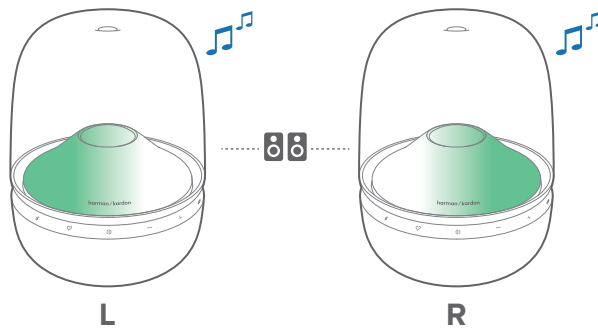
- Check the list of compatible speaker models in the Harman Kardon One app.

5.6 Create a stereo pair

Through the Harman Kardon One app, you can create a stereo pair by connecting the speaker with another Aura Studio 5 Wi-Fi speaker (sold separately).

- When the two speakers are connected to the same network, follow the app instructions to group them as a stereo pair.
 - When the stereo pair is successfully created, the left and right channels are assigned automatically. Playback is controlled from the left-channel speaker, and both channels can be adjusted via the Harman Kardon One app.

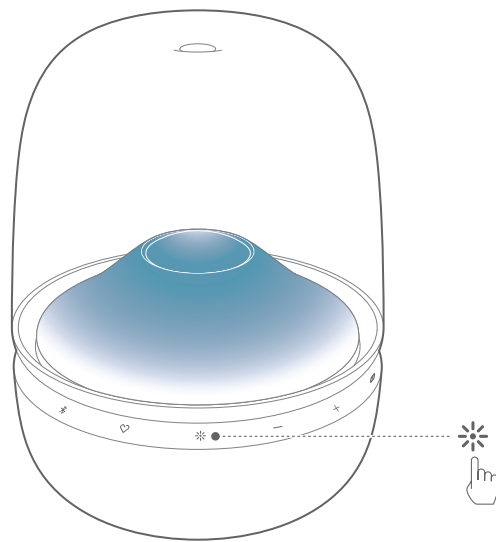
When paired:



Left-channel speaker (L)	The left LED flashes green 3 times to confirm left-channel assignment.
Right-channel speaker (R)	The right LED flashes green once to confirm right-channel assignment.

6 SETTINGS

6.1 Lighting control



- Press ✨ to turn the light effect on or off.
- Hold ✨ for more than 2 seconds to adjust the brightness of the light.
- Press ✨ twice to switch between different lighting themes.

NOTE:

- More lighting personalization options are available in the Harman Kardon One app.

6.2 Equalizer (EQ) settings

With the Harman Kardon One app, you can adjust the EQ settings to customize the sound.

6.3 Self-tuning

To optimize the sound for your unique listening environment, the speaker automatically starts self-tuning each time it is connected to power and music playback starts.

6.4 Software upgrade

The software of this speaker will be automatically upgraded to the latest version when it is connected to the Internet via your home network.

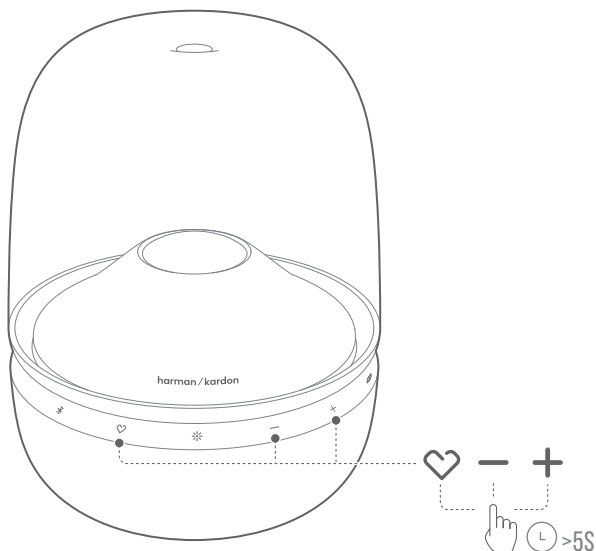
NOTE:

- During the upgrade process, the LED light pulses white and turns off when the upgrade is complete.

6.5 Factory reset

On the speaker, hold **♡ (Moment)**, **—**, and **+** together for more than 5 seconds to restore the default settings.

→ When the factory reset is complete, the speaker will automatically power off and restart.



7 SPECIFICATIONS

- Transducers: 40 mm x 6 pcs (Mid-high range); 25 mm x 1 pc (tweeter), 143 mm x 1 pc (Subwoofer)
 - Output power: 2 x 20 W + 1 x 20 W + 1 x 100 W RMS
 - Networked standby power: < 2.0 W
 - Operation temperature: 0 °C – 45 °C
 - Frequency response: 45 Hz – 20 kHz (-6 dB)
 - Signal to noise ratio: 80 dB A-weighted
 - Power supply: 100 – 240 V ~ 50/60 Hz
 - Bluetooth version: 6.0
 - Bluetooth profile: A2DP 1.3.2, AVRCP 1.5.1
 - Bluetooth transmitter power: ≤ 15 dBm (EIRP)
 - Bluetooth transmitter frequency range: 2.400 – 2.4835 GHz
 - Bluetooth transmitter modulation: GFSK, $\pi/4$ DQPSK, 8DPSK
 - Wi-Fi network: IEEE 802.11 a/b/g/n/ac/ax (2.4 GHz / 5 GHz)
 - 2.4G Wi-Fi transmitter frequency range: 2412 – 2472 MHz (2.4 GHz ISM Band, USA 11 Channels, Europe and others 13 Channels)
 - 2.4G Wi-Fi transmitter power: ≤ 20 dBm (EIRP)
 - 5G Wi-Fi transmitter frequency range: 5.15 – 5.35 GHz, 5.470 – 5.725 GHz, 5.725 – 5.825 GHz
 - 5G Wi-Fi transmitter power:
5.15 – 5.25 GHz ≤ 23 dBm (EIRP),
5.25 – 5.35 GHz & 5.470 – 5.725 GHz ≤ 20 dBm (EIRP),
5.725 – 5.825 GHz ≤ 14 dBm (EIRP)
- Note:** Band 5.6 - 5.64 GHz will be disabled when shipped to Australia / New Zealand.
- USB port: Type C
 - USB rating: 5 V DC, 0.5 A
 - Supporting file formats: MP3

- USB specification: Audio playback is for US version only.
For other versions, USB is for Service only.
- Dimension (H x W x D):
307 x 234 x 234 mm / 12.1" x 9.2" x 9.2"
- Weight: 4.2 kg / 9.3 lbs

8 TROUBLESHOOTING

Do not attempt to repair the product yourself. If you encounter any issues while using it, please check the following points first before requesting service.

System

The speaker will not turn on.

- Make sure that the power cord is properly connected.

No response to button presses

- Restore the speaker to factory settings (See “[6.5 Factory reset](#)”).

The speaker will not enter standby mode automatically.

- Check if the auto standby feature is disabled. If so, hold **—**, **+**, and **⌘** together for more than 5 seconds to enable it.

Sound

No sound from the speaker

- Make sure that the speaker is not muted.
- Restore the speaker to factory settings (See “[6.5 Factory reset](#)”).

Bluetooth

A device cannot be connected to the speaker.

- Check if you have enabled Bluetooth on the device.
- If the speaker has been paired with another Bluetooth device, re-enter the Bluetooth pairing mode (see “[5.2.2 Connect to another Bluetooth device](#)”).

Poor audio quality from a connected Bluetooth device

- The Bluetooth reception is poor. Move the source device closer to the speaker, or remove any obstacle between the source device and the speaker.

Wi-Fi

Failed to connect to Wi-Fi

- Make sure that your Wi-Fi is working.
- Make sure that you have selected the right network and entered the correct password.
- Make sure that your router or modem is turned on and within the range.
- In your router settings, make sure that you have set the security type to WPA2 or auto.
- Make sure that your speaker is connected to the same Wi-Fi network as your smartphone or tablet.
- Hold  and  together for more than 10 seconds to enter the Wi-Fi setup mode and try again.

Playback

AirPlay cannot find the speaker as an AirPlay speaker for music streaming.

- On your Apple device, update the software to the latest version: iOS 13.4 and later, macOS 10.15.4 and later, or tvOS 14.3.
- Make sure that your Apple device has been connected to the same network as the speaker.
- For a PC running iTunes for Windows, you can stream music from your PC to the speaker through Bluetooth.

Music playback does not work smoothly when the sound source switches from Bluetooth to Google Cast or AirPlay.

- Audio streaming quality depends on your Wi-Fi signal strength.

9 TRADEMARKS



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Google Assistant is not available in certain languages and countries. Availability and performance of certain features, services, and applications are device and network dependent and may not be available in all areas.



Use of the Works with Apple badge means that an accessory has been designed to work specifically with the technology identified in the badge and has been certified by the developer to meet Apple performance standards.

Apple, and AirPlay are trademarks of Apple Inc., registered in the U.S. and other countries and regions.

To use AirPlay with Harman Kardon Aura Studio 5 Wi-Fi, the latest version of iOS, iPadOS, or macOS is recommended.



Use your phone, tablet or computer as a remote control for Spotify. Go to [spotify.com/connect](https://www.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>.



The Wi-Fi CERTIFIED™ Logo is a registered trademark of Wi-Fi Alliance®.

ROON READY

Being Roon Ready means that HARMAN uses Roon streaming technology, for an incredible user interface, simple setup, rock-solid daily reliability, and the highest levels of audio performance, without compromise.



With Qobuz Connect, use your phone, tablet, or computer as a remote to play music directly on your device. Enjoy effortless setup, reliable streaming, and the unmatched sound of Qobuz Hi-Res.

10 OPEN SOURCE LICENSE NOTICE

This product contains open source software licensed under GPL. For your convenience, the source code and relevant build instruction are also available at

https://harman-webpages.s3.amazonaws.com/Harman_One_OS_C_package_license_list.htm

Please feel free to contact us at:

Harman Deutschland GmbH

ATT: Open Source, Gregor Krapf-Gunther, Parkring 3

85748 Garching bei Munchen, Germany

or OpenSourceSupport@Harman.com if you have additional question regarding the open source software in the product.

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