Aura Plus

Wireless Speaker System

harman/kardon
by HARMAN

Aura Plus

Aura Plus

Introduction

Thank you for purchasing the Harman Kardon Aura Plus. Harman Kardon Aura Plus is a premium, iconic design, wireless speaker that allows you to stream music from any smart phone, tablet or other wireless devices through Bluetooth®, AUX, Wi-Fi, AirPlay®, Spotify Connect®, and DLNA®.

We at Harman Kardon always aim to create new products with high level functionality, beautiful design, and amazing sound quality.

Harman Kardon Aura Plus is a 7-speaker, advanced acoustic platform that delivers a truly fantastic sound experience with a balanced soundstage and powerful bass response. The Harman Kardon Remote app simplifies the setup and lets you stream all your audio content. With its simple setup and quality sound, the Harman Kardon Aura Plus is an essential audio component for every house.

CONTACT US: For queries and clarifications, please contact your service provider or browse www.harmankardon.com for regional contact details.

Included Items

Harman Kardon Aura Plus speaker system consists of the following accessories:

- Harman Kardon Aura Plus speaker
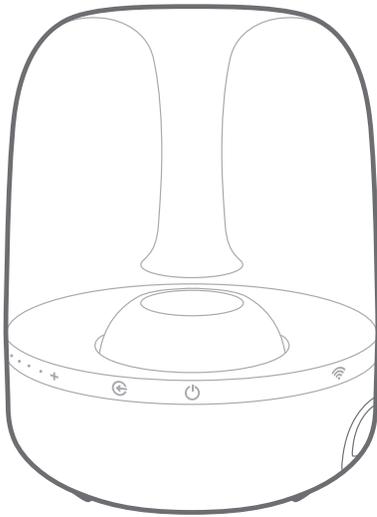
- One AC power adapter
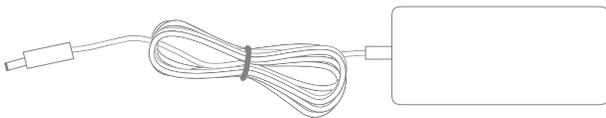
- Regional power cord (varies depending on countries)
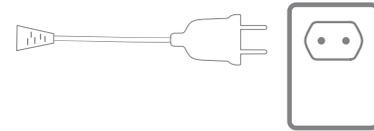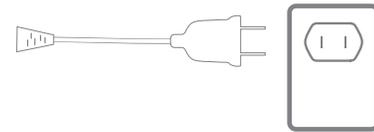
IMPORTANT: If any included accessory is missing, or if any part of your HK Aura Plus system fails to operate properly, contact your dealer immediately.

Controls and Connections

This section will help you identify the controls and connections that are provided on the Aura Plus side and rear panels.

Harman Kardon Aura Plus Front Panel Controls

The following control buttons are available on the front panel of the HK Aura Plus:

1. Source
2. ON/OFF
3. Wi-Fi
4. Volume control
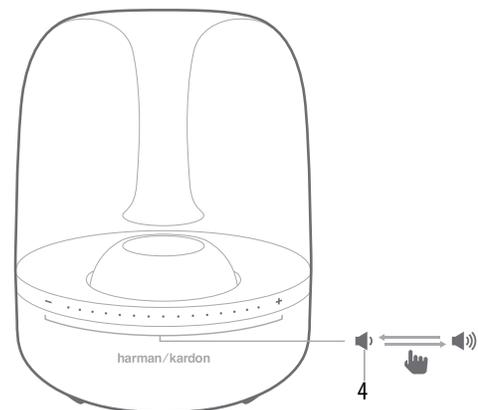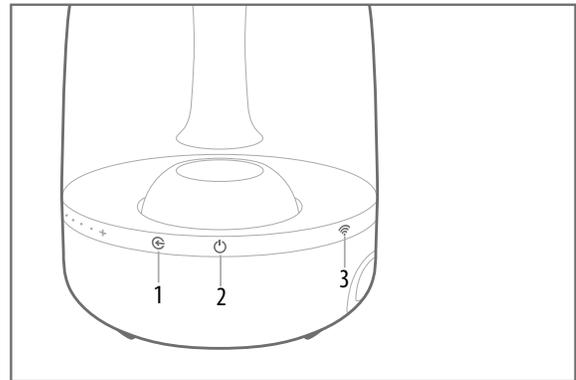
Source: Use the Source button to switch between the sources as required.

- Press the source button for 0.5 seconds to change the source from Bluetooth/Optical/Aux-in.

- Press the source button for more than 2.5 seconds to disconnect all the Bluetooth connections and switch to Bluetooth source.

ON/OFF: This button turns the Harman Kardon Aura Plus ON and OFF. Press and hold this button for more than 2.5 seconds to put the unit into Standby mode. Press the button again to bring it back to Operational mode.

NOTE: Harman Kardon Aura Plus gives out a sound prompt when the system wakes up from the Standby mode, and when the power is turned OFF.

Wi-Fi: This button helps you connect your Wi-Fi enabled device to the Harman Kardon Aura Plus.

Volume control: These touch sensitive buttons control the volume of the unit. Roll your finger on these buttons to increase or decrease the volume.

- Roll your finger in the direction of (+) to increase the volume.

- Roll your finger in the direction of (-) to decrease the volume.

Harman Kardon Aura Plus Rear Panel Controls

The rear panel of the Harman Kardon Aura Plus allows you to work on the following:

- Service
- Aux in
- Optical
- Power
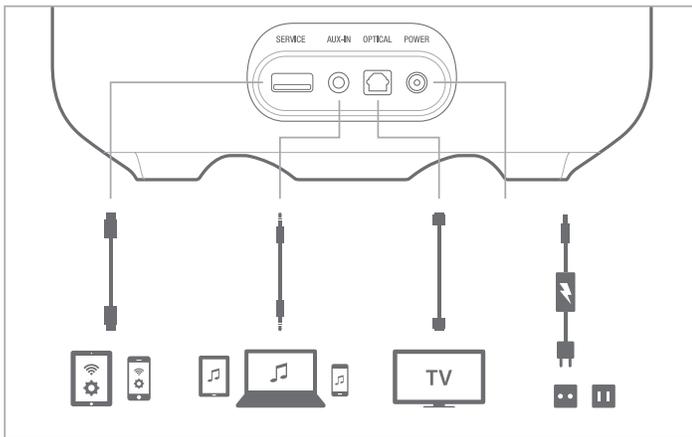
Service: The USB port is used for firmware upgrade or Wi-Fi set up only and will not charge attached devices.

AUX-IN: The speaker includes a 3.5 mm stereo mini analog auxiliary input.

Optical: The speaker supports Digital Optical Input. Connect your optical input cable here.

Power: Connect the AC power cord here.

Connections

This section helps you understand how to connect your device correctly to a power source, and different input sources.

Power Connections

Connect the supplied AC power cord to the rear panel of Harman Kardon Aura Plus.

Source Connections

The speaker offers the following source connection options:

- Wi-Fi (Using AirPlay, DLNA, or Spotify Connect)

- Bluetooth

- Aux input

- Digital Optical Input
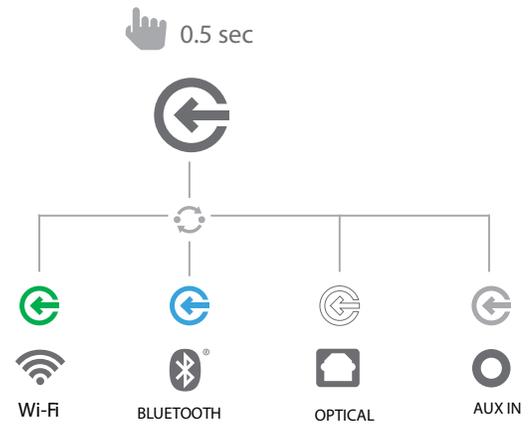
Wi-Fi: You can connect your speaker to your Wi-Fi by three different modes depending on the device you are using.

- iOS Wireless Wi-Fi sharing – If you have an iPhone or iPad with Bluetooth

- iOS Wi-Fi sharing – If you have an iPhone or iPad and a USB to 30pin or USB to Lightning cable

- Ad-hoc mode – If you want to set up the speaker from a computer or other device

Bluetooth: To wirelessly stream audio to the Harman Kardon Aura Plus from a Bluetooth-enabled device:

1. Confirm that the Harman Kardon Aura Plus is in the Bluetooth pairing mode (the Bluetooth button LED will be flashing blue). If the LED is not flashing blue, press and hold the source button until its LED begins to flash blue.
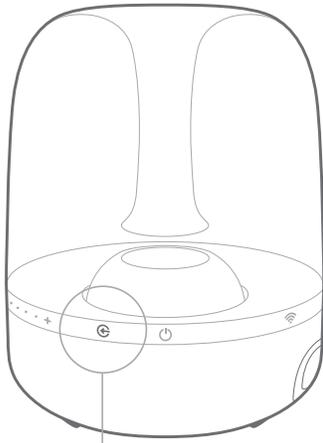
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2. Use the device's Bluetooth pairing menu to pair it with the Harman Kardon Aura Plus. The unit will appear as **HK Aura BT** in the list of Bluetooth available devices. When the Harman Kardon Aura Plus's source button LED illuminates blue constantly, it is paired with the device and you can stream audio via Bluetooth from the device to the Harman Kardon Aura Plus.

NOTE: Harman Kardon Aura Plus gives out a sound prompt when the Bluetooth is switched on and when you attempt to pair another Bluetooth device.

Aux Input: Connect your source device to the Harman Kardon Aura Plus's Aux In. Press the source button until the LED turns off. This indicates that the source input is set to Aux in.

Digital Optical Input: Connect your digital optical input here. Harman Kardon Aura Plus supports PCM raw stream. Press the source button until the LED turns white. This indicates that the source input is set to optical input.

Headphone Output: The Harman Kardon Aura Plus also has a 3.5 mm headphone output jack to enable easy connection of headphones for pesonal listening. Connect your headphones and use the capacitance touch control to adjust the volume to the desired level.

iOS Wireless Wi-Fi Sharing

If you have an Apple device, use the following method to connect your Harman Kardon Aura Plus to the Wi-Fi network:

1. Connect your iPhone, iPad or iPod touch to the speaker's Bluetooth connection.
2. Ensure your iPhone, iPad or iPod Touch is connected to your Wi-Fi network.
3. Press the Wi-Fi button on the Harman Kardon Aura Plus for less than a second.
   A pop-up window will be displayed on your iPad, iPhone or iPod Touch with a message **Share Wi-Fi Settings?**
4. Press **Allow**.

The iPhone, iPad or iPod Touch will then share Wi-Fi settings with the Harman Kardon Aura Plus and it will be connected to your Wi-Fi network. This takes at least 40 seconds.

Once the Harman Kardon Aura Plus is connected to the network, the Wi-Fi LED will light constantly and a sound prompt can be heard.

iOS Wi-Fi Sharing with Cable

If you have an Apple device without Bluetooth connection, use the following method to connect your Harman Kardon Aura Plus to the Wi-Fi network:

1. Connect your iPhone, iPad or iPod touch to the speaker using the USB to 30-pin or USB to Lightning cable provided with your iPhone, iPad or iPod touch.
2. Ensure your iPhone, iPad or iPod touch is connected to your Wi-Fi network.
3. Press the Wi-Fi button on the Harman Kardon Aura Plus for less than a second.
   A pop-up window will be displayed on your iPad, iPhone or iPod Touch with a message **Share Wi-Fi Settings?**
4. Press **Allow**.
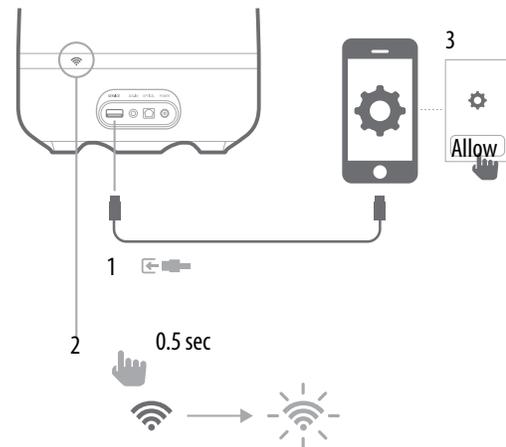
The iPhone, iPad or iPod Touch will then share Wi-Fi settings with the Harman Kardon Aura Plus and it will be connected to your Wi-Fi network. This takes at least 40 seconds.

Once the Harman Kardon Aura Plus is connected to the network, the Wi-Fi LED will light constant white and a sound prompt will be heard.

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To connect using the Harman Kardon remote app:

1. Go to the Apple App store or Google Play store and download the **Harman Kardon Remote** app.
2. Click **+** icon on the home screen to add a new device to your network and choose **Harman Kardon Aura** from the list.
3. Follow the setup instructions in the app.
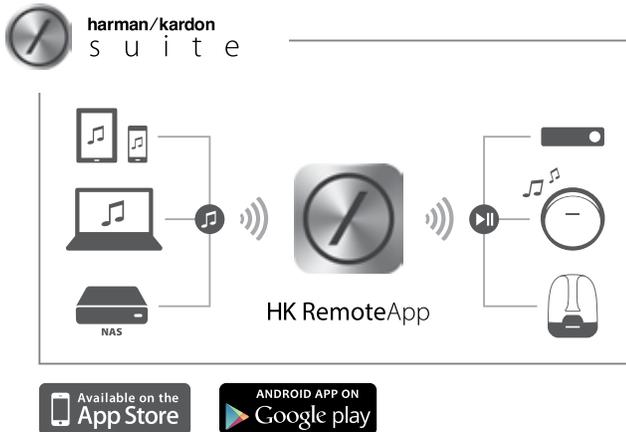
Ad-hoc Mode

If you have a Mac or PC computer, or other phone or tablet, use the following method to connect to the system:

1. Put the Harman Kardon Aura Plus into Ad-hoc mode by touching the Wi-Fi button for more than 5 seconds (ensure there are no USB devices plugged into the USB port). The Wi-Fi LED will flash twice.
2. Go to the **Wi-Fi Settings** page on your Mac, PC or Phone and connect to the network with the name **HK_Aura*****.**
   This may take around 40 seconds depending on your device.
3. Open your web browser and enter the IP address as **192.168.1.1** in the address bar of your browser.

4. Select the name of the Wi-Fi network you want to connect from the drop-down menu.
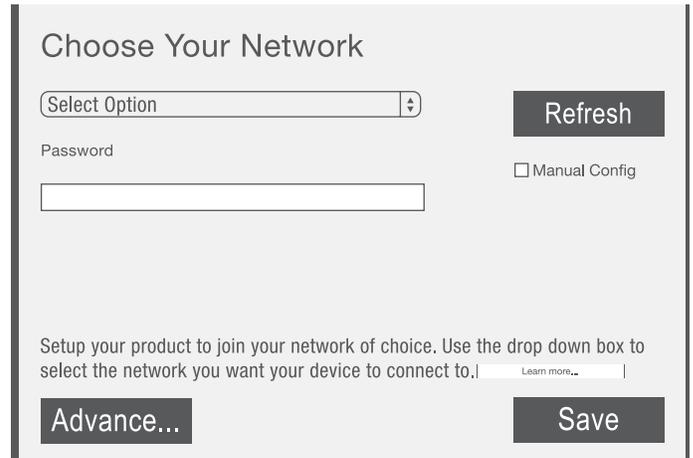
5. Enter the password for your network and click **Save**.
6. Ensure that you have entered the password correctly. If you are not sure, enter the password again without any mistake.

The Harman Kardon Aura Plus will then attempt to connect to your Wi-Fi network. This may take up to one minute depending on your Wi-Fi router. If the connection is successful, the Wi-Fi LED will turn green and the connection successful tone can be heard. If the connection is unsuccessful or your password incorrect, the Wi-Fi LED will flash quickly. To try again, start from step 1.

NOTE: To restore the factory default settings, long press Source and Power button in Operational mode.

Operation
Switching to Different Power Modes

The power button on the side panel of the Harman Kardon Aura Plus allows you to set the wireless speaker to any of the following power modes:

- Operational mode
- Sleep mode
- Standby mode
- Off mode

To change the power modes:

- Press the power button to enter into Operational mode from Standby mode.
- Press the power button again if you want to make the system enter into Standby mode from Operational mode.

If the speaker remains inactive for more than 10 minutes, it automatically enters the Sleep mode.

- Press the power button to enter into standby mode while the speaker is in sleep mode. The speaker can also enter into standby mode from sleep mode if it remains inactive for more than 30 minutes without Wi-Fi connection.

- Press the Volume and the Source buttons to enter into operational mode from sleep mode. The speaker also enters into operational mode from sleep mode if Bluetooth is active.

Adjusting Volume

The volume buttons on the side panel allows you to increase or decrease the volume. These touch-sensitive buttons allow you to control volume with a gentle finger touch on the buttons. Adjust volume using the Volume Up (+) and Volume Down (−) buttons located on the system.

- Short press - Increase/decrease volume by 1 step

- Press and hold - Increase/ decrease volume continuously (1 step per 0.2 second)
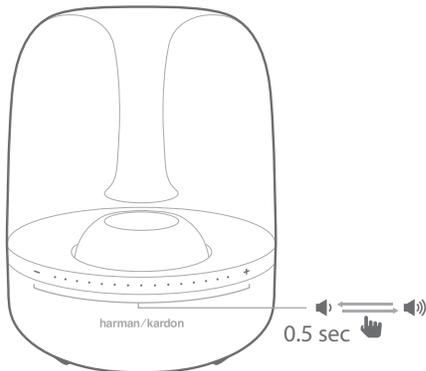
Playing Music through Wi-Fi

To play music in your Harman Kardon Aura Plus through Wi-Fi:

1. Press the Power button.
2. Connect to your Wi-Fi network following the above procedures.
3. If Harman Kardon Aura Plus is on the Wi-Fi net-work, the Wi-Fi LED becomes constant white.
4. Control playback from your Wi-Fi enabled device.

Playing Music through Bluetooth

Harman Kardon Aura Plus supports the audio played from Bluetooth enabled devices.

1. Connect the Harman Kardon Aura Plus to the Bluetooth-enabled device.
2. Control playback from your Bluetooth-capable device.
3. The Harman Kardon Aura Plus will appear as a Bluetooth speaker called **HK Aura BT**.
4. Check your phone or tablet manual for more information.

Playing Music through AirPlay®

AirPlay® allows you to wirelessly stream audio content from your Mac or PC, iPhone, iPad or iPod touch to Harman Kardon Aura Plus.

- iPhone, iPod touch, or iPad (running iOS version 4.2 or higher)

- MAC or PC running a compatible version of iTunes

The Harman Kardon Aura Plus will appear as a Wi-Fi speaker in the AirPlay menu named HK Aura WF.

Check your iPod or iPhones manual for more information on how to stream music.

Using This Device With Spotify Connect

Spotify lets you listen to millions of songs – the artists you love, the latest hits and discoveries just for you.

If you are a Spotify user, you can control this device using your Spotify app.

Step 1 Connect your device to the same wifi network as your phone, tablet or PC running the Spotify app.

Step 2 Open the Spotify app, and play any song.

Step 3 Tap the song image in the bottom left of the screen.

Step 4 Tap the Connect icon 🔊

Step 5 Pick your speaker from the list.

For information on how to set up and use Spotify Connect please visit www.spotify.com/connect

Licenses

The Spotify Software is subject to third party licenses found here : www.spotify.com/connect/third--party--licenses.

Harman Kardon Remote

Harman Kardon Aura Plus can be operated through the Harman Kardon Remote app available in the App Store for Apple products or Google Play for Android products. You can use the Harman Kardon Remote app to stream music to, and control the Harman Kardon Aura Plus through your smart phone or tablet.
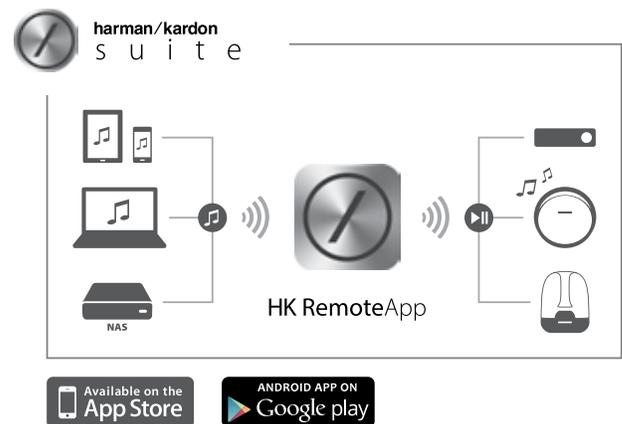
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Harman Kardon Aura Plus LED Indication Table

LED	State	Indication
Wi-Fi LED	White, Constant	Wi-Fi connected
	Off / Slow Flash	Wi-Fi connection failed
	White, Quick Flash	Wi-Fi connecting to router
	White, Quick Double Flash	Waiting connection in JB Connect mode, or waiting iOS device reply after triggering Wi-Fi info share
Source LED	Blue, Constant	Bluetooth source is active with Bluetooth connected
	Blue, Slow Flash	Bluetooth source is active, but no Bluetooth device is connected
	White, Constant	Optical source is active
	Green, Constant	Wi-Fi source is active
	Off	Aux-in source is active
All LEDs	White, Regular Flash	Upgrade Failed

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Harman Kardon Aura Plus LED Ring Pattern Indication

Status	Pattern	
Booting up from Standby Mode	Two Spot Clockwise	
Booting Complete	Fully On	
Operational Mode	Fully On	
Sleep Mode	Fully On, but in lower brightness.	
Off/ Standby Mode	OFF	
Volume Change	When volume change is complete, the same LED ring pattern stays for 5s, and then turns to Fully On smoothly.	
Bass Volume Change (by App)	When volume change is complete, the same LED ring pattern stays for 5s, and then turns to Fully On smoothly.	
Connecting to Wi-Fi Router	If successful, the LED ring pattern changes to Fully On smoothly. If failed, the LED ring pattern flashes 4 times, then changes to fully On smoothly.	
Adhoc Connect Mode	If any other device is connected, the LED ring pattern changes to fully on smoothly.	
Wi-Fi Info Sharing	The LED pattern is One Spot Clockwise, when waiting for feedback from iOS device.	
Firmware Upgrading	Fully Quick Breathing until upgrading finished	
Firmware Upgrading Failed	Fully Regular Flash.	

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Troubleshooting

If your Harman Kardon Aura Plus is not performing the way you think it should, check if the problem is covered in this section before calling your dealer or contacting a Harman Kardon representative.

Problems	Solutions
There is no sound coming from the Harman Kardon Aura Plus	• No power to unit. Make sure that the wall outlet or power strip has power. • Make sure that all switches for outlet/power strip are ON and that all switches for the unit are ON.
Distortion (static, crackling or hissing sounds)	• Audio source or source material may be the problem. Test the Harman Kardon Aura Plus with another source. • Volume level may be too high from auxiliary-device output. Check the volume of the source and turn it down if necessary.
Harman Kardon Aura Plus emits a loud hum or buzzing noise	• Input cable is not plugged in properly. Check the input cable connection. • Cable may have problems. Replace the cable. • It might happen due to ground loop (an unsuitable con-nection). Turn the Harman Kardon Aura Plus OFF and connect it to another wall outlet.

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Specifications

Power supply	19VDC, 3A
Power consumption	57W maximum, <0.5W eco-standby mode
Transducers	4.5"(112mm) for Woofer, 1.5"(40mm) for Tweeter
Amplifier power	1x30W + 2x15W
Frequency response	50Hz - 20KHz
Signal-to-noise ratio	80dB at 30W(woofer), 80dB @15W(tweeter)
Bluetooth transmitter frequency range	2.402 - 2.480GHz
Bluetooth transmitter power	Max 4dBm
Bluetooth transmitter modulation	GFSK, p/4 DQPSK, 8DPSK
AirPlay transmitter Frequency range	2412MHz~2472MHz (2.4GHz ISM Band, USA 11 Channels, Europe 13 Channels)
AirPlay Transmitter power	<20 dBm
AirPlay transmitter Modulation	802.11b:DSSS (DBPSK, DQPSK, CCK) ; 802.11g:OFDM (BPSK, QPSK, 16QAM, 64QAM);
AirPlay network compatibility	802.11b/g

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