

Onyx Studio

Wireless Speaker System with Rechargeable Battery

Owner's Manual



harman/kardon[®]
by HARMAN

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Introduction

Thank you for purchasing the Harman Kardon Onyx Studio. HK Onyx Studio is a premium wireless speaker with an iconic design and comes with a rechargeable built-in battery that allows you to stream music from any smart phone, tablet or other wireless devices through Bluetooth®.

HK Onyx Studio is a 4-speaker, advanced acoustic platform and its dual passive radiators deliver a truly fantastic sound experience with a balanced soundstage and powerful bass response.

Description and Features

Design and Performance

- Dual passive radiators provide deep bass.
- The built-in rechargeable battery offers up to 5 continuous hours of playtime.

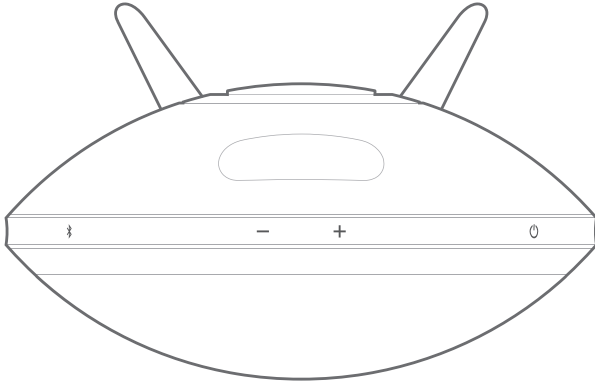
Wireless Connection

Wireless connectivity allows you to place the speaker in any part of the room without having to worry over friends and family tripping over cables. The HK Onyx Studio supports almost every popular wireless device via Bluetooth .

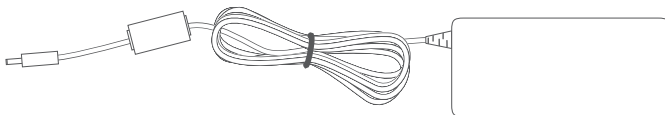
Included Items

HK Onyx Studio speaker system complete accessories consist of:

- HK Onyx Studio speaker



- One AC power adaptor



- Regional power cable
- Quick Start Guide
- Safety sheet
- Warranty Card (for some specific countries)

IMPORTANT: If any included accessory is missing, or if any part of your HK Onyx studio system fails to operate properly, contact your dealer immediately.

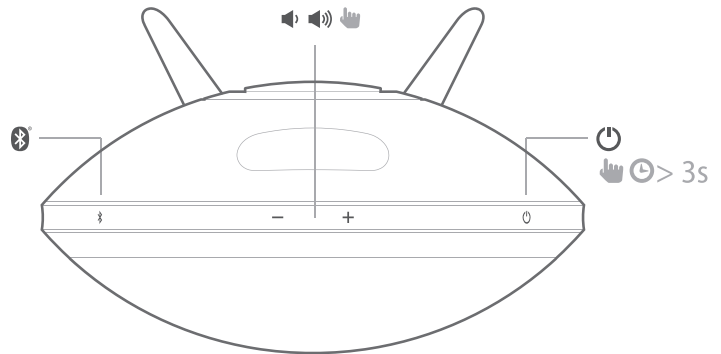
Controls and Connections

This section will help you identify the controls that are provided on the Onyx Studio top and rear panels.

Top Panel Controls

The following control buttons are available on the top panel:

- Power button
- Volume Controls
- Bluetooth



Power Button

This button when pressed turns the HK Onyx Studio ON or OFF and has an LED to indicate the power mode. The two power modes are:

- Operational mode
- OFF mode

When the system is in OFF mode (Power LED is not lit), press the power button for more than 3 seconds to switch on the system. The power LED turns white when the system is turned on.

To turn the speaker off, press the Power button for more than 3 seconds.

When powered by the battery, the speaker will go into off mode automatically after 30 minutes if no music stream is detected. The power LED will be turned off. To turn the speaker on, press the power button for more than 3 seconds.

NOTE: When the system gets into Operational mode from the OFF mode, the last used volume setting will be restored.

Volume Controls

- Press the (-) button to decrease the volume
- Press the (+) button to increase the volume

Bluetooth

This button helps you pair your system with other devices. The system enters into Bluetooth pairing mode automatically when it is turned on.

NOTE: The speaker's Bluetooth device name is HK Onyx Studio and password is 0000.

Rear Panel Connections

The connections on the rear panel are:

1. USB Port (For factory)
2. Power DC input

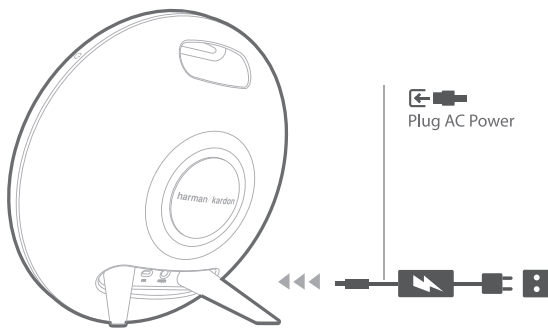
USB Port

The USB port is used to upgrade software only.

Warning message: The USB port is not for music playback or external device charging, it is for 'factory use only'.

Power DC Input

Connect the AC power adapter to this port to charge the built-in battery.



NOTE: battery charging time <5 hours

110/220 volt power source

LED Indications

The LEDs present on the top panel indicates the status of the speaker unit. Refer to the table below to get a fair idea on the speaker LED indications.

LED	State	Indication
Power LED	White, Constant	Operational mode
	White, Slow Flash	Battery Charging
	White, Quick Flash	Low battery
	OFF	OFF mode
Bluetooth LED	White, Constant	Bluetooth connected
	White, Slow Flash	No Bluetooth device connected

Operation

Switching ON and OFF

The power button on the top panel of the speaker allows you to set your speaker to any of the following power modes:

- Operational mode – White constant LED illumination
- Off mode – No illumination

To change the power mode:

- Long press: Off mode – to enter operational mode
- Long press: Operational mode – to enter off mode

Adjusting Volume

The volume buttons on the top panel allow you to increase or decrease volume. Adjust volume using the Volume Up (“+”) and Volume Down (“-”) buttons located on top of the unit.

- Short press - Increase/decrease volume by 1 step
- Press and hold - Increase/ decrease volume continuously (1 step per 0.2 second)

Connecting Bluetooth & Playing Music through Bluetooth

1. Press the Power button. The LED will illuminate white. The speaker enters pairing mode when it is switched on.
2. If the speaker has been paired with any source before, press and hold the Bluetooth button for at least 2.5 seconds.
3. Perform a new device search on your Bluetooth-capable device.
4. Select **HK Onyx Studio** on the device's pairing list and enter password as **0000**. The device will be paired to HK Onyx Studio automatically. If pairing is successful, the Bluetooth LED will change to white.
5. Control playback from your Bluetooth-capable device.

Troubleshooting

If your Harman Kardon Onyx Studio 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 speaker	<ul style="list-style-type: none"> 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. If you have not plugged it to the AC source, make sure that the battery is charged.
Distortion (static, crackling or hissing sounds)	<ul style="list-style-type: none"> Audio source or source material may be the problem. Test the HK Onyx Studio with another source.
Loud hum or buzzing noise	<ul style="list-style-type: none"> It might happen due to ground loop (an unsuitable connection). Turn the HK Onyx Studio OFF and connect it to another wall outlet.
Battery not charging	<ul style="list-style-type: none"> No power to unit. Make sure that your 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.
Bluetooth pairing not successful	<ul style="list-style-type: none"> Make sure the speaker is powered on. Make sure the speaker is not connected to other devices via Bluetooth already. Restart the speaker or re-search Bluetooth resources on your Bluetooth device you would like to pair. Keep the speaker and the Bluetooth device in a proper distance.

Specifications

No of channels	4
Transducers	2 X 3" woofers, 2 X ¾" tweeters, 2 x passive radiators
Bi-amplification	4 X 15W
Maximum SPL	95dB @ 1m
Power requirement	100 – 240 V AC, 50/60 Hz
Power adaptor	19V, 2.0A
Built-in battery	3.7V, 2600mAh, Cylindrical Lithium Ion Rechargeable Battery
Power consumption	38W Maximum < 1W stand by
Speaker impedance	4 ohm per speaker
Frequency Response	60Hz – 20kHz
Frequency range	2402MHz ~ 2480MHz
Transmitter power	< 4dBm
Modulation	GFSK/ π /4-DQPSK/8-DPSK
Wireless	Bluetooth 3.0 A2DP v1.3 AVRCP v1.5
Dimensions (Dia x W x H)	280mm X 161mm X 260mm



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