Onyx

Wireless Speaker System with Rechargeable Battery

Owner's Manual

harman/kardon®
by HARMAN

Onyx

Onyx

Introduction

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

HK Onyx 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. The Harman Kardon Remote app simplifies the setup and lets you stream all your audio content. With its simple setup, quality sound, and easy portability, the HK Onyx 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 complete details.

Description and Features

Design and Performance

- HK Onyx is designed with steel and leather.

- Dual passive radiators provide deep bass.

- The built-in rechargeable battery offers up to 6 continuous hours of playtime.

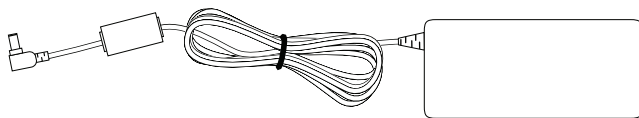- HK Onyx is compatible with Harman Kardon Remote app.

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 supports almost every popular wireless device via Bluetooth or Wi-Fi connections.

Included Items

HK Onyx speaker system complete accessories consist of:

- HK Onyx speaker

- One AC power adaptor

- Regional power cable

- Quick Start Guide

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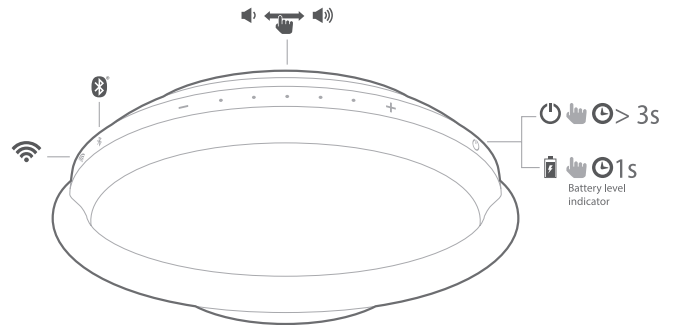
Controls and Connections

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

Onyx Top Panel Controls

The following control buttons are available on the top panel of the HK Onyx:

- Power button

- Volume Controls

- Bluetooth

- Wi-Fi

- Battery level indicator

Power Button

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

- Operational mode

- Sleep mode

- OFF mode

When the system is in OFF mode (Power LED is not lit), touch the power button for more than 2 seconds to switch on the system. The power LED turns white when the system is turned on.

While the unit is powered on, touch the power button for at least one second to check the battery status. The 5 volume LEDs will light up to show the battery status.

One LED lit indicates 20% battery life; two LEDs indicate 40% battery life, and so on. When all 5 LEDs are lit, the internal battery is fully charged.

To turn the speaker off, touch the Power button for more than 2 seconds.

The speaker will go into power saving mode automatically after 10 minutes if no music stream is detected. The power LED will turn amber and all other LEDs will be turned off. To turn the speaker on, press the power button for more than 2 seconds.

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NOTE: When the system gets into Operational mode either from the Sleep/ Standby mode or OFF mode, the last used settings will be restored – volume, source, Wi-Fi settings.volume, source, Wi-Fi settings.

Volume Controls

These touch-sensitive buttons control the volume of the unit. These buttons are touch-sensitive. A gentle finger touch can increase or decrease the volume.

- 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 for the first time. If you want to switch to different wireless connection when you are already connected to a source, press and hold the Bluetooth button for more than 4 seconds to put the speaker into pairing mode again.

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

Wi-Fi

This button is used to connect your HK Onyx to your Wi-Fi network. The use of the button depends on the set up method of your system.

Battery Level Indicator

This LED on HK Onyx indicates the status of the battery.

Onyx Rear Panel Connections and Controls

The connections and controls on the rear panel of the HK Onyx are:
1. USB Port (For charging and Wi-Fi setup with iOS devices)
2. Power DC input
3. Aux input
4. WPS

USB Port (Charger)

The USB charger port can be used to charge most of the devices when the HK Onyx is connected to the AC adapter in Operational, Sleep, or OFF modes.
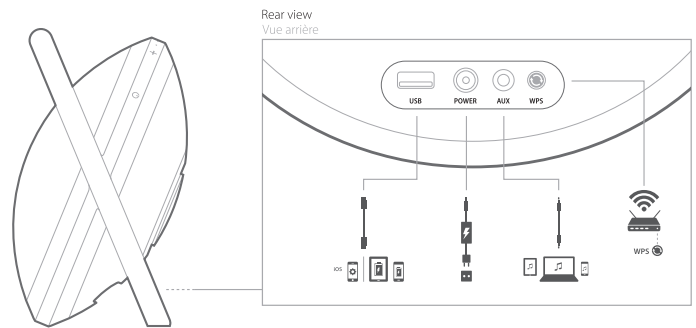
Power DC Input

Connect the AC power adapter to this port to charge the inbuilt battery.

Aux Input

The speaker includes a 3.5 mm stereo mini analog auxiliary input. The system automatically detects an audio signal from the auxiliary input.

WPS

The Wi-Fi Protected Setup (WPS) helps your device establish a secure wireless network easily to any WPS enabled router.

Rear view
Vue arrière

Speaker Placement

The HK Onyx being wireless and portable can be placed at a place of your choice and convenience.

You can place it anywhere in the room for the best sound experience.

Connections

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

Power Connections

To charge the inbuilt battery, connect the AC adapter to a 110/220 volt power source.

Source Options

The speaker offers the following source connection options:

- Bluetooth

- Wi-Fi using AirPlay®

- Wi-Fi using DLNA
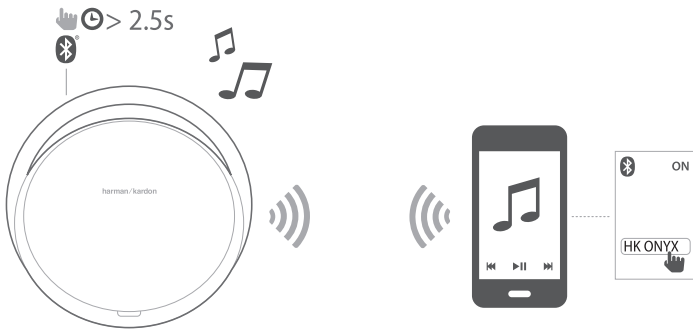
- Aux Input

Wi-Fi Connection

You can connect your Onyx to Wi-Fi compatible devices through the following options.

- WPS – If you have a WPS-enabled router

- 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 Connection

You can connect your Onyx to Bluetooth compatible devices.

- Press the Bluetooth button for more than 4 seconds to enable Bluetooth pairing mode.
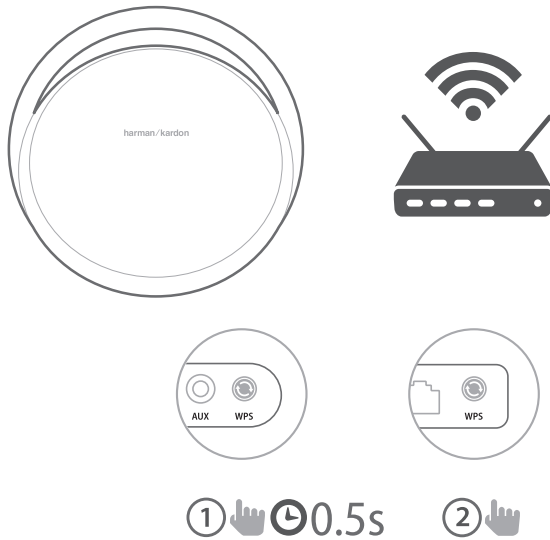
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WPS Connection

Wi-Fi Protected Setup (WPS) is a simple way of getting your speaker to connect to the desired network. Your router may support WPS. To confirm WPS connection to be active on your system, look for the logo ⟳ or the letters '**WPS**' on your router.

To activate WPS connection:

- Press the **WPS** button on your router .

- Press the **WPS** button on the Harman Kardon Onyx within 1 minute.

The speaker and router will then exchange Wi-Fi settings and connect to each other. Check your Wi-Fi router manual for compatibility and more information.

iOS Wireless Wi-Fi Sharing

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

1. Connect your iPhone, iPad or iPod Touch to the speaker using Bluetooth.
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 Onyx 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 Onyx and Onyx will be connected to your Wi-Fi network. This takes at least 40 seconds.

Once the Harman Kardon Onyx is connected to the network, the Wi-Fi LED will light constant white and a sound prompt will be heard.
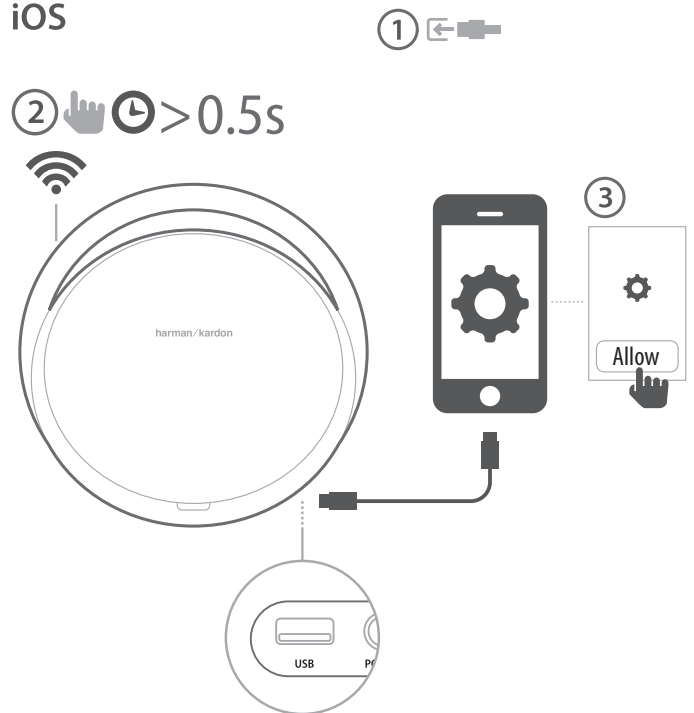
iOS Wi-Fi Sharing with Cable

If you have an Apple device without Bluetooth connection, use the following method to connect your Harman Kardon Onyx 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 Onyx 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 Onyx and Onyx will be connected to your Wi-Fi network. This takes at least 40 seconds.

Once the HK Onyx is connected to the network, the Wi-Fi LED will light constant white and a sound prompt will be heard.
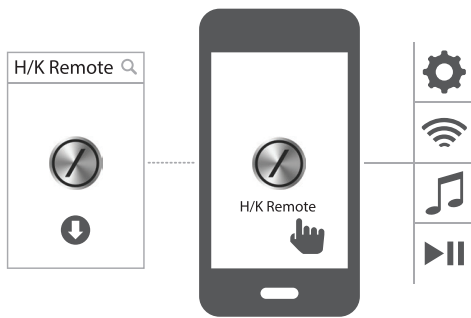

To connect using the H/K remote app:

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

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 Onyx 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).
2. Go to the **Wi-Fi Settings** page on your Mac, PC or Phone and connect to the network with the name **HK_Onyx*****.**
    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.
    The following page will be displayed.

4. Select the name of the Wi-Fi network you want to connect from the drop-down menu **Device Wireless SSID**.
5. Enter the password for your network and click **Connect**.
    A warning box will be displayed.
6. Ensure that you have entered the password correctly. If you are not sure, click **Cancel** and enter the password again without any mistake.

The Harman Kardon Onyx will then attempt to connect to your Wi-Fi network. If the connection is successful, the Wi-Fi LED will turn white and the connection successful tone can be heard.

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

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
*   Sleep mode – Amber constant LED illumination
*   OFF mode – No illumination

To change the power mode:

*   Short press - Operational/Sleep mode: show battery status
*   Long press - OFF mode: wake up to Operational mode, Operational/Sleep mode: enter OFF mode
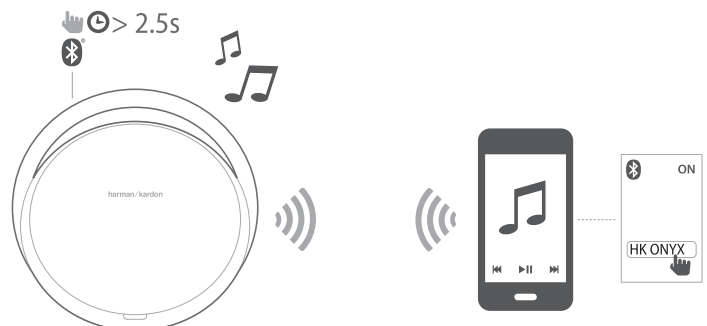
Adjusting Volume

The volume buttons on the top panel allow you to increase or decrease volume. These buttons are touch-sensitive, allowing volume control with a gentle finger-touch of the buttons. 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)

Playing Music through Bluetooth

1. Press the Power button. The LED will illuminate white.
    The HK Onyx enters pairing mode the first time it is switched on.
2. If HK Onyx has been paired with any source before, touch and hold the Bluetooth button for at least 4 seconds.
3. Perform a new device search on your Bluetooth-capable device.
4. Select **HK Onyx BT** on the device's pairing list and enter pasword as **0000**.
    The device will be paired to HK Onyx automatically. If pairing is successful, the Onyx's Status LED will change to white.

5. Control playback from your Bluetooth-capable device.
6. You can change the name of the speaker for easy identification using the H/ K Remote app.

Playing Music through Wi-Fi

To play music in your Onyx through Wi-Fi:

1. Press the Power button. The LED will illuminate white.
2. Connect to your Wi-Fi network by following the above procedures.
3. If Harman Kardon Onyx is on Wi-Fi network, the Wi-Fi LED becomes constant white.
4. Control playback from your Wi-Fi enabled device.

Playing Music through AirPlay®

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

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

*   MAC or PC running a compatible version of iTunes

Playing Music through an Auxiliary Device

1. Connect the auxiliary device to the Aux-in jack using a stereo 3.5mm (1/8" auxiliary cable).
2. Press the Power button on top panel of the unit.
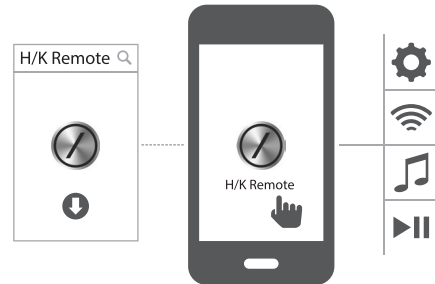3. Control music playback through the auxiliary device.

Connecting through DLNA

DLNA in the HK Onyx helps in sharing audio data over a home network and stream audio.

H/K Remote

HK Onyx can be operated through the H/K Remote app available in the App Store for Apple products or Google Play for Android products. You can use the H/K Remote app to stream music to, and control the HK Onyx through your smart phone or tablet.

APP

LED Indications

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

LED	State	Indication
Power LED	White, Constant	Operational mode
	Amber, Constant	Sleep mode
	Amber, Regular Flash	Low battery in Operational or Sleep mode
	White, Flash Twice	Factory settings restored
	OFF	OFF mode
Wi-Fi LED	White, Constant	Wi-Fi connected (Including connected in Ad-hoc mode)
	White, Regular Flash	Wi-Fi connecting
	White, Flash Twice	Wi-Fi info sharing
	White, Quick Flash	Waiting connecting in Ad-hoc mode
	Amber, Constant	Wi-Fi connection failed
	Amber, Quick Flash	WPS PBC mode
	Amber, Double Quick Flash,	WPS PIN mode
Bluetooth LED	White, Constant	Bluetooth connected
	White, Slow Flash	No Bluetooth device connected
Grouped LEDs	White, Constant	Battery level or volume level
	White, Left to Right Rolling	Upgrading
	White, Constant Last one, Slow Flash	Charging per battery levels
	OFF	Charge complete or no charge.
All LEDs	White, Constant for 2 seconds	Power ON/OFF
	White, Regular Flash	Upgrade Failed
Volume +/- LED	White, Constant for 5 seconds	Volume change or volume slider/button is touched

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Troubleshooting

If your Harman Kardon Onyx 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 HK Onyx	• 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)	• Audio source or source material may be the problem. Test the HK Onyx 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.
HK onyx 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 connection). Turn the HK Onyx OFF and connect it to another wall outlet.
HK Onyx unit is not charging	• 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.

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Specifications

Frequency Range	2402MHz – 2480MHz
Frequency Response	60Hz – 20kHz
No of channels	4
Transducers	2 X 3 woofers, 2 X ¾ tweeters, 2 passive radiators
Bi-amplification	4 X 15W
Maximum SPL	95dB @ 1m
Power Requirement	100 – 240 V AC, 50/60 Hz
Power adaptor	19V, 3.4 A
Built-in Battery	11.1V, 2500mAh Lithium
Power consumption	54M Maximum, <1W stand by
Speaker impedance	4 ohm per speaker
Transmitter power	<4dBm
Modulation	GFSK/ . /4-DPQSK/8-DPSK
Wireless	DLNA, Bluetooth, Airplay, 3.0A2DP V 1.3AVRCPv1.5
Dimensions (Dia x W x H)	345mm X 222mm X 325mm

Bluetooth®

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