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HAYDEN HY-X7

HAYDEN HY-X7 Wireless Karaoke System User Manual

Model: HY-X7



INTRODUCTION

The HAYDEN HY-X7 Echo Mic is a wireless karaoke system designed for home use, featuring two UHF handheld microphones and support for one external microphone. This system allows for a customizable singing experience with independent volume controls for each microphone. It offers versatile connectivity options, including Optical, AUX, and Bluetooth, enabling connection to Smart TVs, phones, tablets, or laptops. Audio output can be directed through a soundbar, home theater system, or external speakers. The microphones operate on AA batteries (not included), and the receiver is powered by a 5V 2A USB-C cable adapter (included). The HY-X7 is suitable for home karaoke, parties, and small events.

PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 2 x Metal Handheld Microphones
- 1 x Metal Receiver Unit
- 2 x Optical Cables
- 1 x AUX to AUX Cable
- 1 x AUX to RCA Cable
- 1 x RCA to RCA Cable
- 1 x 5W USB Adapter
- 1 x Type-A to Type-C USB Cable
- 2 x Silicone Microphone Sleeves
- 1 x User Manual

PRODUCT OVERVIEW

Familiarize yourself with the components and controls of your HAYDEN HY-X7 Wireless Karaoke System.



Image: Front and back panels of the HY-X7 receiver. The front panel shows controls for microphone volume, echo, and music. The back panel features various input/output ports.



Image: Close-up of the receiver's front panel, highlighting the 6.35mm microphone jack, wired microphone volume, wireless microphone A volume (VOL.A), wireless microphone B volume (VOL.B), echo adjustment, music adjustment, and power switch.

Receiver Controls and Ports:

- **MIC (6.35mm Jack):** For connecting an external wired microphone.
- **MIC/VOL:** Adjusts the volume for the external wired microphone.
- **VOL.A:** Adjusts the volume for Wireless Microphone A.
- **VOL.B:** Adjusts the volume for Wireless Microphone B.
- **ECHO:** Controls the echo effect level for all microphones.
- **MUSIC:** Adjusts the volume of the background music.
- **POWER:** On/Off switch for the receiver.
- **DC 5V IN:** Power input for the receiver (USB-C).
- **AUX IN:** 3.5mm audio input for connecting external devices.
- **AUX OUT:** 3.5mm audio output to connect to speakers/amplifier.
- **OPTICAL IN:** Optical audio input for connecting to a TV or other optical source.

- **OPTICAL OUT:** Optical audio output to connect to a soundbar or amplifier.
- **SUM OUT:** Combined audio output.
- **ANT.A / ANT.B:** Antennas for wireless microphone reception.

SETUP GUIDE

1. Powering the System

- **Receiver:** Connect the included Type-A to Type-C USB cable to the "DC 5V IN" port on the receiver and plug the other end into the 5W USB adapter. Plug the adapter into a power outlet.
- **Wireless Microphones:** Each handheld microphone requires 2 AA batteries (not included). Open the battery compartment at the bottom of the microphone and insert the batteries, observing correct polarity.

2. Connecting to Your Audio System

The HY-X7 offers multiple ways to connect to your TV and audio output devices. Before connecting, ensure your TV's audio output format is set to **'PCM' mode**. Refer to your TV's settings menu (often under 'Expert Settings' or 'Sound Output') to make this adjustment.



Image: Connection Diagram 1: Optical Connection. Illustrates connecting the TV's optical output to the receiver's optical input, and the

receiver's optical output to an amplifier or speaker system.

Option A: Optical Connection (Recommended for Smart TVs/Soundbars)

1. Connect one end of an Optical cable to the **Optical Output** port on your Smart TV.
2. Connect the other end of the same Optical cable to the **OPTICAL IN** port on the HY-X7 receiver.
3. Connect a second Optical cable from the **OPTICAL OUT** port on the HY-X7 receiver to the Optical Input port on your soundbar, home theater system, or amplifier.
4. Ensure your TV's audio output is set to 'PCM' mode for proper sound transmission.

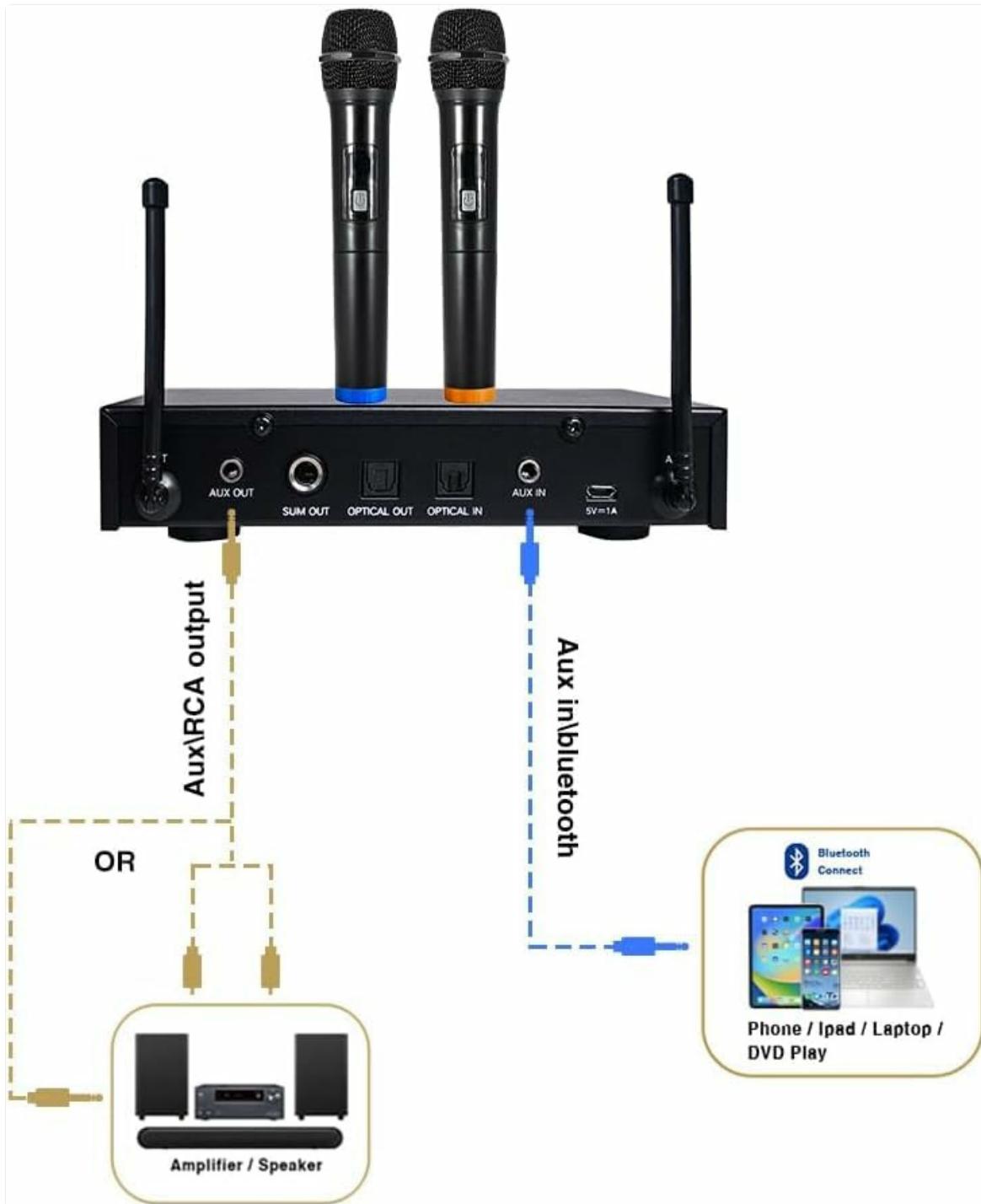


Image: Connection Diagram 2: AUX/RCA and Bluetooth Connection. Shows connecting a mobile device via Bluetooth to the receiver, and the receiver's AUX/RCA output to an amplifier or speaker system. Also depicts connecting a TV's AUX output to the receiver's AUX input.

Option B: AUX/RCA Connection

1. **For TV Audio Input:** Connect the included AUX cable from your TV's 3.5mm Audio Out (Headphone Jack) to the **AUX IN** port on the HY-X7 receiver.

2. **For Audio Output to Speakers:** Connect the included AUX to RCA cable or RCA to RCA cable from the **AUX OUT** or **SUM OUT** port on the HY-X7 receiver to the corresponding RCA input ports on your amplifier or speaker system.

Option C: Bluetooth Connection (for Mobile Devices)

1. Ensure the HY-X7 receiver is powered on.
2. On your smartphone, tablet, or laptop, enable Bluetooth and search for available devices.
3. Select "HY-X7" from the list of devices to pair.
4. Once connected, audio from your mobile device will be routed through the HY-X7 receiver. Ensure the receiver's output is connected to your speakers as described in Option B.

3. Microphone Setup

- Turn on the wireless microphones by pressing their power buttons. The microphones will automatically pair with the receiver. The RF-AF indicators on the receiver will light up when connected.
- If using an external wired microphone, plug its 6.35mm jack into the "MIC" port on the receiver.

OPERATING INSTRUCTIONS

1. Adjusting Volumes

- **Wireless Microphones:** Use the "VOL.A" and "VOL.B" knobs on the receiver to adjust the volume of each wireless microphone independently.
- **Wired Microphone:** Use the "MIC/VOL" knob to adjust the volume of the external wired microphone.
- **Background Music:** Use the "MUSIC" knob to adjust the volume of the audio source (from TV, Bluetooth device, or AUX input).

2. Applying Echo Effect

- Turn the "ECHO" knob on the receiver to increase or decrease the echo effect applied to all microphones.

3. Multi-Device Connectivity



Multi-device connection



Image: Multi-device connection diagram. Illustrates the versatility of the HY-X7 system, showing connections to a home theater, audio mixer, computer, and a KTV setup, emphasizing its adaptability for various audio environments.

The HY-X7 system is designed for flexible integration with various audio setups, including home theaters, audio mixers, computers, and dedicated KTV systems. Use the appropriate input/output ports (Optical, AUX, Bluetooth) to connect your desired devices.

MAINTENANCE

- Cleaning:** Wipe the receiver and microphones with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- Storage:** Store the system in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- Battery Replacement:** Replace AA batteries in the microphones when the low battery indicator appears or audio quality degrades. Remove batteries if the microphones will not be used for an extended period to prevent leakage.
- Cable Care:** Handle all cables gently to prevent damage. Avoid sharp bends or kinks.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from microphones.	Microphones are off or batteries are low. Microphone volume knobs (VOL.A, VOL.B, MIC/VOL) are too low. Receiver is not powered on. Receiver not connected to speakers/amplifier.	Ensure microphones are on and have fresh batteries. Increase relevant microphone volume knobs on the receiver. Turn on the receiver. Verify audio output connection from receiver to speakers.
No background music.	Music volume knob is too low. Audio source (TV, phone) not connected or playing. Incorrect input selected on TV/audio source. TV audio output format not set to PCM.	Increase the "MUSIC" volume knob. Check connection to audio source and ensure it's playing. Verify correct input on your TV or audio source. Set TV audio output to 'PCM' mode.
Poor sound quality or interference.	Low microphone batteries. Microphones too far from receiver or obstructions. Interference from other wireless devices.	Replace microphone batteries. Move microphones closer to the receiver and ensure clear line of sight. Move other wireless devices away from the system.

SPECIFICATIONS

Feature	Detail
Brand	HAYDEN
Model	HY-X7
Product Dimensions	14 x 10 x 6 cm (Receiver)
Item Weight	1.35 kg (Total)
Microphone Type	UHF Wireless, Dynamic Microphone Core
Wireless Frequency	720–800 MHz (Carrier Frequency)
Frequency Stability	0.002%
Connectivity Technology	Auxiliary, Bluetooth, Optical (Toslink), UHF
Compatible Devices	External Speakers, Home Theater, Karaoke Machine, PA System, Audio Mixer, Amplifier, Smart TV, Smartphone
Special Features	Adjustable Echo Effect, Bluetooth Connection, Optical/AUX Connectivity for Soundbars/TVs
Microphone Power Source	AA Batteries (not included)
Receiver Power Source	5V 2A USB-C (Adapter and cable included)

Feature	Detail
Country of Origin	China

WARRANTY AND SUPPORT

For warranty information or technical support, please contact HAYDEN AUDIO directly. The manufacturer and importer details are provided below:

- **Manufacturer/Importer:** Hayden Audio, WZ-30/B2, Prithvi Park, Tilak Nagar, New Delhi-110018
- **Phone:** 9212347774

Please retain your purchase receipt for warranty claims.

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