

HOTEC K25

HOTEC UHF Wireless Microphone System User Manual

Model: K25 | Brand: HOTEC

1. INTRODUCTION

The HOTEC UHF Wireless Microphone System (Model H-K25) is designed to deliver superior sound quality and professional features for a wide range of applications. With 64 selectable UHF frequencies, it offers stable signal transmission and strong anti-interference capabilities, ensuring clear voice transmission without feedback or distortion. This plug-and-play system is easy to use and ideal for vocal transmission or recording in various settings, including live performances, sound reinforcement, studio recording, classes, public speaking, training, church events, interviews, and business presentations.



Figure 1.1: Overview of the HOTEK UHF Wireless Microphone System components.

The system features full compatibility, allowing connection to the 6.35mm (1/4") mic input of various sound systems such as PA systems, mixers, speakers, amplifiers, and karaoke machines. The receiver includes two XLR individual outputs and one 1/4"/6.35mm mixed output for versatile connectivity. The bodypack transmitters are powered by built-in rechargeable batteries, providing convenience and portability.

WIRELESS MICROPHONE SYSTEM

High Quality Sound Transmission / Stable and Clear Voice



240Feet
Distance



0ms Latency



Stable Signal
Transmission



240feet

160feet

80feet



Figure 1.2: Key features of the wireless microphone system, highlighting range and signal stability.

2. WHAT'S IN THE BOX

Upon unboxing your HOTECH UHF Wireless Microphone System, please ensure all the following components are present:

- One box receiver and two bodypack transmitters
- Two lapel mics and two headset microphones
- 1/4" to 1/4" cable, dual charging cable and US power cable



Figure 2.1: All items included in the product package.

3. SETUP GUIDE

Setting up your HOTEC wireless microphone system is straightforward. Follow these steps to get started:

1. **Power Connection:** Plug the AC adapter into a power socket and connect it to the DC 12V input on the back of the receiver.
2. **Audio Output Connection:** Connect the receiver to the 6.35mm (1/4") mic input of your sound system (PA, mixer, speaker, amplifier, karaoke machine) using the provided 1/4" to 1/4" cable. Alternatively, use the XLR individual outputs for professional setups.
3. **Microphone Connection:** Plug either the headset microphone or the lapel microphone into the MIC input port on the bodypack transmitter. Ensure the connection is secure.
4. **Power On:** Turn on the receiver and then turn on the bodypack transmitters. The system is designed for plug-and-play operation, and the transmitters and receiver are paired by default.



Figure 3.1: Visual guide for connecting the wireless microphone system to a sound device.

3.1. Pairing and Frequency Change

The system has 64 selectable UHF frequencies (32 for each transmitter) to minimize interference. If you experience interference or need to re-pair the devices, follow these steps:

1. **Power On Transmitter:** Turn on the transmitter.
2. **Initiate Pairing on Transmitter:** Hold and press both the power button and the volume up button on the transmitter together until the LCD screen starts to flash.
3. **Power Cycle Receiver:** Power on the receiver and wait for a few seconds. Then, power off the transmitter and power it back on. The devices should now be paired.
4. **Change Frequency (if needed):** To change the frequency on a transmitter, short press both volume buttons simultaneously.

Steps for repairing:

NOTE:

The transmitter and receiver are paired by default.

If not, connect them again.



Power on the transmitter. Hold and press the power button and volume up button together until the LCD screen starts to flash.



Power on the receiver and wait for a few seconds. Power off the transmitter and then power it back on. Done.



Short press both volume buttons to change frequency.

Figure 3.2: Steps for re-pairing or changing the frequency of the bodypack transmitters.

4. OPERATING INSTRUCTIONS

Once set up, operating the HOTEC UHF Wireless Microphone System is intuitive. Here's how to use its features:

4.1. Microphone Usage

The system includes two unidirectional condenser headset microphones and two lavalier lapel microphones. Both types are designed for comfortable wear and pick up your voice clearly, delivering warm, clear, and loud high-fidelity sound.

- **Headset Microphones:** Wear the headset microphone with the mic positioned near your mouth for optimal voice capture.
- **Lavalier Lapel Microphones:** Clip the lapel microphone onto your clothing, typically near the collar, ensuring it is positioned to capture your voice effectively.



Figure 4.1: Examples of multi-use applications for the microphone system.

4.2. Volume Control

You can control the microphone volume for Channel A and Channel B independently directly from the receiver unit. Use the dedicated volume knobs on the receiver's front panel to adjust the output level for each channel.

LCD display



Figure 4.2: Receiver controls, including independent volume knobs for each channel.

The bodypack transmitters also feature volume control buttons (Volume Up and Volume Down) to fine-tune the input level directly from the microphone source.



Figure 4.3: Bodypack transmitter controls and indicators.

4.3. Battery Life and Charging

The bodypack transmitters are equipped with built-in 650mAh Lithium batteries. A full charge takes approximately 2 hours and provides up to 6 hours of working time. Use the provided dual charging cable to recharge the transmitters.

RECHARGEABLE WIRELESS MICROPHONE SYSTEM

- Plug and Play •
- Built-in 650mAh Lithium Battery •
- 2h Charging time •
- 6h Working time •



Figure 4.4: Recharging the wireless bodypack transmitters.

5. MAINTENANCE

To ensure the longevity and optimal performance of your HOTEK UHF Wireless Microphone System, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe down the receiver, transmitters, and microphones with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the system in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity. When not in use for extended periods, store components in their original packaging or a protective case.
- **Battery Care:** For rechargeable transmitters, avoid completely draining the battery frequently. Recharge them regularly, even if not in constant use, to maintain battery health. If storing for a long time, charge them to about 50% capacity.
- **Cable Management:** Handle cables carefully. Avoid sharp bends or kinks that can damage the internal wiring.

6. TROUBLESHOOTING

If you encounter issues with your HOTECH UHF Wireless Microphone System, please refer to the following common troubleshooting tips:

- **No Sound Output:**

- Ensure all power connections are secure and devices are turned on.
- Verify the receiver is correctly connected to your sound system's mic input.
- Check the volume levels on both the receiver and the transmitters.
- Confirm the transmitters and receiver are properly paired (refer to Section 3.1).

- **Interference or Static:**

- Change the operating frequency on the transmitters (refer to Section 3.1) to find a clearer channel.
- Ensure there are no strong electromagnetic interference sources nearby (e.g., Wi-Fi routers, other wireless devices).
- Maintain line of sight between the transmitters and the receiver within the operating range (up to 240 feet).

- **Weak or Distorted Sound:**

- Check the battery level of the transmitters and recharge if necessary.
- Ensure the microphone is positioned correctly to capture sound effectively.
- Adjust the volume levels on both the transmitter and receiver.

- **Microphone Not Responding:**

- Ensure the microphone is securely plugged into the bodypack transmitter.
- Check if the transmitter is powered on and has sufficient battery.

7. SPECIFICATIONS

Feature	Specification
Brand	HOTEC
Model Name	Wiireless lavalier/ headset microphone system
Item Model Number	K25
Connectivity Technology	1/4" jack, XLR
Connector Type	6.35 mm Jack, XLR
Microphone Form Factor	Microphone System
Polar Pattern	Unidirectional
Frequency Range	902-928MHz
Number of Channels	64
Operating Range	Up to 240 feet (line of sight)
Signal-to-Noise Ratio	96 dB
Impedance	140 Ohm
Power Source	Battery Powered
Batteries	2 Lithium Ion batteries required (included)
Material	Aluminum
Item Weight	3.16 pounds
Package Dimensions	14.65 x 11.54 x 2.91 inches
Country of Origin	China
First Available Date	January 15, 2019

8. WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the official HOTEC website or contact their customer service. A comprehensive User Guide (PDF) is also available for download, providing additional information and diagrams.

User Guide (PDF): [Download Here](#)