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KOMISON 4-1

KOMISON 2 Channel UHF Wireless Microphone System User Manual

Model: 4-1

INTRODUCTION

Thank you for choosing the KOMISON 2 Channel UHF Wireless Microphone System. This system is designed for reliable audio transmission with clear sound quality, suitable for various applications such as singing, karaoke, classroom teaching, and conferences. Please read this manual thoroughly before operating the system to ensure proper setup and optimal performance.

Key Features:

- Two-channel UHF wireless system with a 260 ft (approx. 80 meters) operation range.
- 200 adjustable frequencies per channel for interference-free operation.
- IR synchronization for quick and easy pairing.
- Automatic frequency scanning to find the best available channel.
- Durable metal construction for both receiver and microphones.
- Lock function to prevent accidental operation changes.

WHAT'S IN THE BOX

Carefully unpack your KOMISON Wireless Microphone System and ensure all items listed below are present and in good condition:

- 2 x Handheld Cordless Microphones
- 1 x Receiver Unit
- 1 x 6.35mm Audio Cable
- 1 x Power Supply for Receiver
- 1 x User Manual (this document)

Note: 2 x AA batteries are required for each microphone and are not included.

WIRELESS MICROPHONE SYSTEM

2 x 100 Adjustable Frequency, Clear Sound Transmission



260Ft Distance



0ms Latency



Stable Signal
Transmission



Image: The package contents include two handheld microphones, one receiver, a 6.35mm audio cable, a power supply, and the user manual.

PRODUCT COMPONENTS

Receiver Overview

Professional 2 x 100 Channels Wireless Microphone

metal built, automatically search best frequency function



Image: Detailed view of the receiver showing the front panel with display, controls, and IR window, and the rear panel with audio outputs, power input, and antenna connections.

- **Frequency Infrared Pairing Window (IR):** Used for automatic synchronization between the receiver and microphones.
- **Channel Display Window:** Shows current frequency and channel information.
- **Volume + or - Buttons:** Adjusts the output volume for each channel.
- **Channel Selection Buttons:** Used to manually select channels.
- **Frequency Pairing Button (SET):** Short press to pair selected frequency, long press to automatically pair the best frequency.
- **Power Button:** Turns the receiver on or off.
- **Antenna A/B Interface:** Connects the included antennas for signal reception.
- **MIC-A/B Output (Balanced XLR):** Individual balanced audio outputs for each microphone channel.
- **MIXED Output (Unbalanced 6.35mm):** Combined unbalanced audio output for both microphone channels.
- **Power Interface (DC 12V):** Connects the power adapter.

Handheld Microphone Overview

Professional Full Metal Built Microphone

- Clear and pure sound quality, suitable for professional use
- Auto pairing with receiver



Image: The handheld microphone with its dimensions, a close-up of the battery compartment requiring two AA batteries, the battery indicator on the display, and the ON/OFF switch.

- **Microphone Head:** Captures audio.
- **Color Ring Design:** Helps distinguish between microphones (e.g., green and gold).
- **Battery Compartment:** Holds two AA batteries.
- **Battery Indicator:** Displays current battery level on the microphone's LCD.
- **ON/OFF Switch:** Powers the microphone on or off.
- **LCD Display:** Shows channel, frequency, and battery status.

SETUP INSTRUCTIONS

1. Battery Installation (Microphones)

1. Unscrew the bottom part of each handheld microphone to reveal the battery compartment.
2. Insert two fresh AA batteries into each microphone, ensuring correct polarity (+/-).
3. Screw the bottom part back on securely.

2. Connecting the Receiver

The receiver requires connection to an audio mixer, amplifier, powered speaker, or PA system. It offers both balanced XLR outputs and an unbalanced 6.35mm (1/4") mixed output.

1. Connect the included power adapter to the receiver's DC 12V power interface and plug it into a power outlet.
 2. Attach the two antennas to the ANT-A and ANT-B interfaces on the rear of the receiver. Position them vertically for optimal signal reception.
 3. Choose your preferred audio output method:
 - **For individual microphone control (recommended):** Use XLR cables (not included) to connect the MIC-A Output and MIC-B Output to separate input channels on your audio mixer or amplifier.
 - **For combined output:** Use the included 6.35mm audio cable to connect the MIXED Output to a 6.35mm (1/4") input on your audio device.
- Ensure your audio mixer/speaker/amplifier has an available AUX (3.5mm or 1/4") or XLR input port.



Image: A connection diagram illustrating the receiver connected to an audio mixer via XLR cables, which then connects to an audio amplifier, and finally to speakers.

OPERATING INSTRUCTIONS

1. Powering On/Off

1. **Receiver:** Press the POWER button on the receiver's front panel. The display will illuminate.
2. **Microphones:** Slide the ON/OFF switch on each microphone to the 'ON' position. The microphone's LCD will light up.
3. To power off, reverse these steps.

2. Frequency Pairing and Selection

The system uses IR synchronization for easy pairing. It also features an auto-scan function to find the best available frequency.

1. Automatic Pairing (Recommended):

- Ensure both the receiver and the microphone are powered on.
- On the receiver, **long press** the 'SET' (Frequency Pairing) button. The receiver will automatically scan for the best available frequency.
- While the receiver is scanning, align the microphone's IR window with the receiver's IR window (Frequency Infrared Pairing Window). The microphone will synchronize with the new frequency.
- Repeat for the second microphone.

• Manual Frequency Selection:

- On the receiver, use the 'Channel Selection' buttons (up/down arrows) to browse through the 200 available frequencies for the desired channel (A or B).
- Once a frequency is selected, **short press** the 'SET' button.
- Align the microphone's IR window with the receiver's IR window to synchronize.

2 x 100 Channels Receiver Premium feature

- Scan best frequency function
- Lock function to avoid operation by mistake



More than 100 units and be used simultaneously ,
No more interruption and interference at important occasions.



Image: The receiver's front panel highlighting the frequency infrared pairing window and the frequency pairing button with

instructions for short press (pair selected frequency) and long press (automatically pair best frequency).

3. Volume Adjustment

Use the 'Volume + or -' buttons on the receiver's front panel to adjust the output volume for each microphone channel independently. Adjust to a suitable level on your connected audio device as well.

4. Lock Function

The receiver features a lock function to prevent accidental changes to settings.

- To **lock** the receiver settings, long press the 'LOCK' button. The display will indicate that the settings are locked.
- To **unlock**, long press the 'LOCK' button again.



Image: A section of the receiver's control panel, illustrating the 'SCAN/SET' button for automatic frequency selection and the 'LOCK' button for locking and unlocking settings.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the receiver and microphones. Avoid using liquid cleaners or solvents.
- **Battery Care:** Remove batteries from the microphones if they will not be used for an extended period to prevent leakage.
- **Storage:** Store the system in a cool, dry place away from direct sunlight and extreme temperatures.
- **Antennas:** Handle antennas carefully to avoid bending or breaking.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from microphones	Microphone off; low batteries; receiver off; incorrect cable connection; receiver not paired; audio device input incorrect.	Ensure microphones and receiver are powered on. Replace microphone batteries. Check all cable connections. Re-pair microphones with the receiver. Verify correct input selection on your audio mixer/amplifier.
Interference or static noise	Other wireless devices nearby; operating range exceeded; weak signal; frequency conflict.	Move closer to the receiver. Use the auto-scan function to find a clear frequency. Ensure antennas are properly positioned. Avoid placing the receiver near other electronic devices that may cause interference.
Microphone not pairing	IR windows not aligned; incorrect pairing procedure.	Ensure IR windows are facing each other closely during pairing. Follow the automatic or manual pairing steps carefully.
Short operating range	Obstructions; antenna position; environmental factors.	Ensure a clear line of sight between microphones and receiver. Position antennas vertically and away from metal objects.

SPECIFICATIONS

Feature	Specification
Microphone Form Factor	Handheld
Power Source (Microphones)	2 x AA Batteries (not included)
Power Source (Receiver)	Corded Electric (DC 12V)
Material	Metal
Signal-to-Noise Ratio	95 dB
Number of Channels	200 Adjustable Frequencies (per channel)
Operating Range	Up to 260 ft (approx. 80 meters)
Connectivity Technology	Wireless (UHF)
Connector Type (Receiver Output)	6.35 mm Jack (unbalanced mixed), XLR (balanced individual)
Polar Pattern	Unidirectional
Audio Sensitivity	100 Decibels
Item Weight	4.58 pounds (total package)
Package Dimensions	17.87 x 11.65 x 2.91 inches

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your KOMISON 2 Channel UHF Wireless Microphone System, please refer to the contact information provided with your purchase or visit the official KOMISON website. Keep your purchase receipt as proof of purchase for warranty claims.