

[Manuals.plus](#) /

› [KOMISON](#) /

› UHF Mono Wireless in Ear Audio Monitor System, IEM System, Operation, for Stage, Studio, Exhibit, Lecture, Speech (KMS-400) - User Manual

## KOMISON KMS-400

# KOMISON KMS-400 UHF Mono Wireless In-Ear Audio Monitor System User Manual

Model: KMS-400

## INTRODUCTION

The KOMISON KMS-400 is a UHF Mono Wireless In-Ear Audio Monitor System designed for professional audio monitoring in various settings such as stage performances, studio recording, exhibits, lectures, and speeches. This system provides reliable, clear, and high-fidelity audio transmission with minimal latency, ensuring performers and speakers can monitor their sound effectively.

The system utilizes a fixed UHF band to prevent interference and employs PLL (Phase-Locked Loop) technology for stable signal transmission. It offers an operating distance of 164 to 262 feet in open, line-of-sight environments.



Image: The complete KOMISON KMS-400 system, showing the main transmitter unit, two bodypack receivers, and an antenna.

## WHAT'S IN THE BOX

Please check the package contents to ensure all items are present and in good condition:

- 1 x UHF Wireless Transmitter
- 2 x Bodypack Receiver
- 2 x In-ear Earbuds
- 1 x Power Adapter
- 1 x Antenna
- 1 x 3.5mm to 6.35mm Cable
- 1 x 3.5mm to 6.35mm Converter
- 1 x User Manual

*Note: For optimal sound performance, it is recommended to use external monitor earphones with this system, as the*

quality of earphones significantly impacts the monitoring experience.

# Packing List



Transmitter

Receiver x 2, Earphone x 2



3.5mm to 6.5mm cable



6.5mm to 3.5mm converter



Power Supply



User Manual

Image: Visual representation of the items included in the KMS-400 package, including the transmitter, two receivers, two earphones, power supply, cables, and user manual.

## PRODUCT OVERVIEW

### Transmitter Unit

The main transmitter unit is built with metal for durability and features a clear LCD panel displaying system details such as frequency and AF input level. It includes a 6.35mm headphone jack with independent volume control for direct monitoring.

# Metal Built Transmitter

- High Fidelity
- UHF frequency band
- metal material built

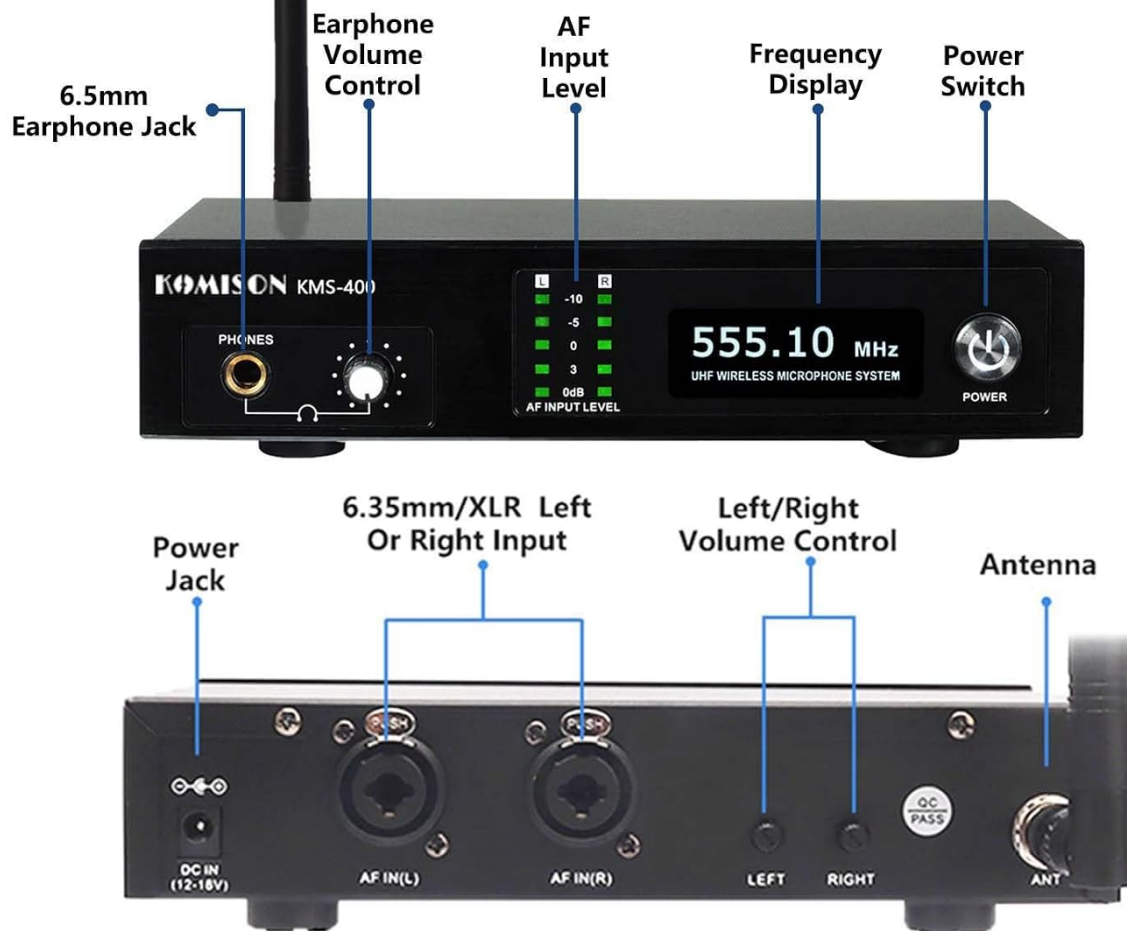


Image: Detailed diagram of the KMS-400 transmitter, highlighting the 6.5mm earphone jack, earphone volume control, AF input level display, frequency display, power switch, power jack, 6.35mm/XLR left/right inputs, left/right volume controls, and antenna port.

- **Earphone Volume Control:** Adjusts the volume for the 6.5mm earphone jack.
- **6.5mm Earphone Jack:** For direct monitoring from the transmitter.
- **AF Input Level:** Displays the audio frequency input level.
- **Frequency Display:** Shows the current operating frequency.
- **Power Switch:** Turns the transmitter on/off.
- **Power Jack:** Connects to the power adapter.
- **6.35mm/XLR Left or Right Input:** Audio input ports for connecting audio sources.
- **Left/Right Volume Control:** Independent volume controls for left and right audio channels.
- **Antenna:** For wireless signal transmission.

## Bodypack Receiver

The bodypack receiver is compact and features a clip for easy carrying. It includes a power switch located within a cover to prevent accidental power-off, a volume adjustment knob, and a frequency display.

# Bodypack Receiver

- Power switch is within cover to avoid turning-off by mistake
- Volume adjustment knob
- Frequency display

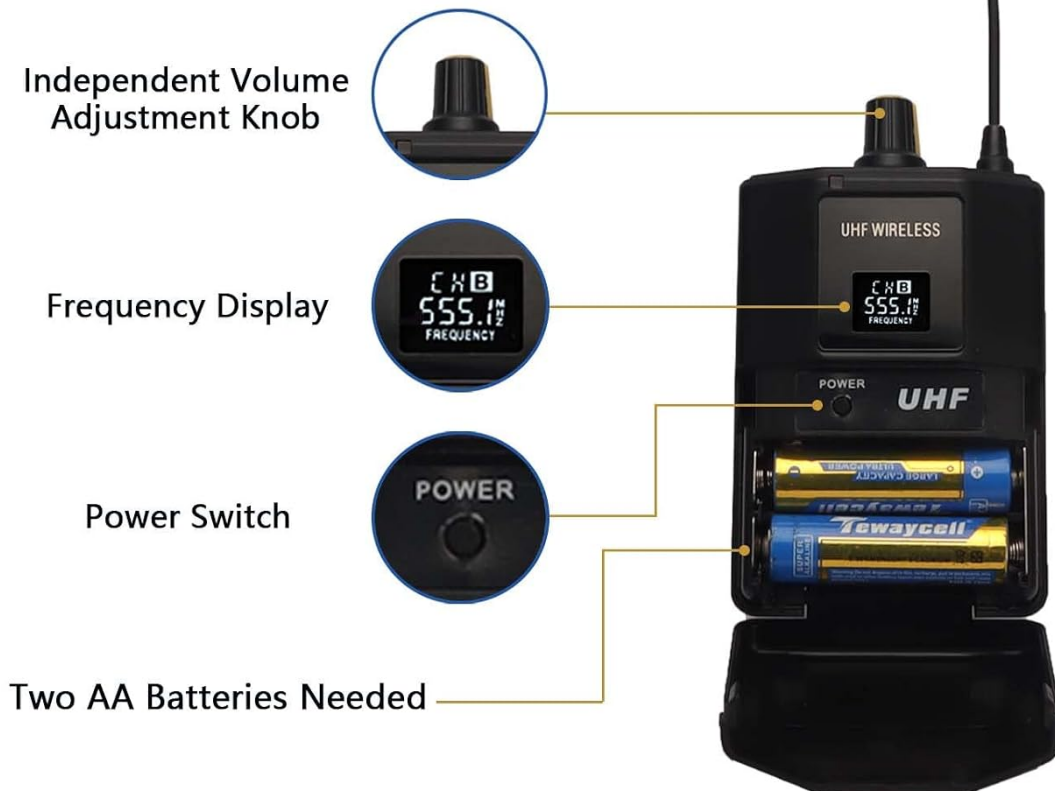


Image: Detailed diagram of the KMS-400 bodypack receiver, showing the independent volume adjustment knob, frequency display, power switch, and battery compartment for two AA batteries.

- **Independent Volume Adjustment Knob:** Controls the monitoring volume.
- **Frequency Display:** Shows the current operating frequency.
- **Power Switch:** Located under a protective cover to prevent accidental activation/deactivation.
- **Battery Compartment:** Requires two AA batteries for operation.
- **3.5mm Earphone Jack:** For connecting in-ear monitors or headphones.



Image: (Left) Bodypack receiver showing the low power indication light. (Middle) Rear view of the bodypack receiver with its integrated belt clip. (Right) Top view of the bodypack receiver, highlighting the 3.5mm earphone jack.

## SETUP INSTRUCTIONS

1. **Power Connection:** Connect the provided power adapter to the UHF Wireless Transmitter's power jack and plug it into a suitable power outlet.
2. **Antenna Installation:** Screw the antenna securely into the designated antenna port on the rear of the transmitter unit.
3. **Audio Input:** Connect your audio source (e.g., mixer, audio interface) to the 6.35mm/XLR Left or Right input ports on the transmitter using the appropriate cables.
4. **Receiver Batteries:** Open the battery compartment on each bodypack receiver and insert two AA batteries, ensuring correct polarity.
5. **Earphone Connection:** Plug your in-ear earbuds or preferred monitor earphones into the 3.5mm earphone jack on each bodypack receiver.
6. **Power On:** Turn on the transmitter unit using its power switch. Then, turn on each bodypack receiver by sliding its power switch.
7. **Automatic Pairing:** The transmitter and receivers are designed to automatically match frequencies upon power-on. Verify the frequency displayed on both the transmitter and receiver LCD panels matches.
8. **Volume Adjustment:** Adjust the independent volume control on each bodypack receiver to a comfortable listening level. You can also adjust the earphone volume on the transmitter for direct monitoring.

# KOMISON

## Mono Personal In-Ear Monitor System

UHF wireless performance, Plug and play, Clear & Pure sound



### Reliable monitoring partner

By using advanced circuit design,  
the system offers stable signals



Image: Illustration demonstrating how the KOMISON KMS-400 transmitter connects to an audio mixer, emphasizing its role as a reliable monitoring partner.

## OPERATING INSTRUCTIONS

### Basic Operation

- **Monitoring Audio:** Once connected and powered on, the audio signal from your source will be transmitted wirelessly to the bodypack receivers. Listen through your connected earphones.
- **Volume Control:** Use the volume adjustment knob on each bodypack receiver to control the individual monitoring volume. The transmitter's earphone volume control affects only the direct monitoring output from the transmitter itself.
- **Signal Range:** The system operates effectively within a range of 164 to 262 feet (50-80 meters) in open, line-of-sight conditions. Obstacles like walls or large metal objects can reduce this range.

# LONG DISTANCE 50M~80M in Open Space Line Of Sight

## Metal Bodypack Reception

Model: KMS-400  
Frequency: 555.10 MHz  
Power: 10W  
Range: 50M~80M  
Channel: 12



Image: The KOMISON KMS-400 system illustrating its long-distance operational capability, indicating a range of 164-262 feet (50-80 meters) in open space.

## Advanced Features

- **UHF Band Operation:** The system utilizes a fixed UHF band for stable and interference-free audio transmission. This technology helps prevent frequency drops and series frequency issues.
- **High Fidelity Sound:** Advanced circuit design and upgraded chips improve the signal-to-noise ratio, delivering clear sound and high fidelity without noticeable latency.
- **Mono Output:** While the transmitter supports stereo input, the bodypack receivers provide a mono output for monitoring.

# Real-time monitoring

## High Fidelity, Great sound for your stage



Image: A musician performing on stage, using the KOMISON in-ear monitor system for real-time monitoring, highlighting the system's high fidelity and suitability for live environments.

## APPLICATIONS

The KOMISON KMS-400 system is versatile and suitable for a wide range of audio monitoring applications:

- **Stage Performance:** Provides musicians and vocalists with clear, personal monitoring during live shows.
- **Studio Recording:** Enables precise monitoring for artists and engineers in recording environments.
- **Exhibits and Events:** Useful for presenters and staff requiring discreet audio monitoring.
- **Lectures and Speeches:** Ensures speakers can hear themselves clearly, improving delivery.
- **Instructional Settings:** Facilitates clear communication for instructors and participants.

# Applications

Stage/Studio/Band/Speech

Easy setup with fixed frequency.  
for stage performance, studio, big event show, speech and so on.



Image: A collage depicting various usage scenarios for the KMS-400 system, including stage performance, studio recording, and public speaking events.

## MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the transmitter and receivers. Avoid using liquid cleaners or solvents, as they may damage the components.
- **Battery Care:** Remove batteries from the bodypack receivers if the system will not be used for an extended period to prevent leakage and damage.
- **Storage:** Store the system in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Management:** Handle cables carefully to prevent kinks or damage.

## TROUBLESHOOTING

| Problem                        | Possible Cause                                                                                                                                                                                                                                                                         | Solution                                                                                                                                                                                                                                                                                                               |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No sound from receiver         | <ul style="list-style-type: none"><li>◦ Receiver not powered on.</li><li>◦ Low or dead batteries in receiver.</li><li>◦ Earphones not properly connected.</li><li>◦ Transmitter not powered on.</li><li>◦ Audio source not connected or muted.</li><li>◦ Frequency mismatch.</li></ul> | <ul style="list-style-type: none"><li>◦ Ensure receiver power switch is ON.</li><li>◦ Replace batteries.</li><li>◦ Check earphone connection.</li><li>◦ Ensure transmitter power switch is ON.</li><li>◦ Verify audio source connection and volume.</li><li>◦ Power cycle both units to re-sync frequencies.</li></ul> |
| Static or interference         | <ul style="list-style-type: none"><li>◦ Operating outside range.</li><li>◦ Obstacles blocking signal.</li><li>◦ Interference from other wireless devices.</li></ul>                                                                                                                    | <ul style="list-style-type: none"><li>◦ Move closer to the transmitter.</li><li>◦ Ensure clear line of sight between transmitter and receiver.</li><li>◦ Identify and minimize other wireless device usage in the area.</li></ul>                                                                                      |
| Low audio quality / Distortion | <ul style="list-style-type: none"><li>◦ Input level too high/low.</li><li>◦ Poor quality earphones.</li></ul>                                                                                                                                                                          | <ul style="list-style-type: none"><li>◦ Adjust AF input level on transmitter.</li><li>◦ Consider using higher quality monitor earphones.</li></ul>                                                                                                                                                                     |

## SPECIFICATIONS

| Feature                           | Detail                                             |
|-----------------------------------|----------------------------------------------------|
| Model Number                      | KMS-400                                            |
| Wireless Communication Technology | RF (UHF Band)                                      |
| Operating Distance                | 164 - 262 ft (50-80m) in open space, line of sight |
| Transmitter Connectivity          | 6.35mm/XLR Left/Right Input, 6.5mm Headphone Jack  |
| Receiver Output                   | 3.5mm Earphone Jack (Mono)                         |
| Receiver Power Source             | 2 x AA Batteries (required)                        |
| Transmitter Material              | Metal                                              |
| Bodypack Material                 | Hard Plastic or Metal                              |
| Item Weight                       | 2.2 Pounds (total system)                          |

| Feature            | Detail                    |
|--------------------|---------------------------|
| Product Dimensions | 8.27 x 3.74 x 9.84 inches |
| Manufacturer       | KOMISON                   |
| UPC                | 768497240193              |

### WARRANTY AND SUPPORT

KOMISON products are designed for reliability and performance. For any issues or support needs, please refer to the following:

- **Customer Service:** For technical assistance or warranty inquiries, please contact KOMISON customer support through the official KOMISON website or your point of purchase.
- **Product Registration:** Registering your product may provide additional benefits and streamline support processes.
- **Online Resources:** Visit the [KOMISON Store on Amazon](#) for additional product information, FAQs, and updates.

Please retain your proof of purchase for warranty claims.