

BOMGE 460U-4 Bodypack

BOMGE 4 Channel UHF Wireless Microphone System (Model 460U-4 Bodypack) Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your BOMGE 4 Channel UHF Wireless Microphone System. Designed for versatility and clear audio transmission, this system is ideal for various applications including conferences, broadcasting, weddings, karaoke, and live events in small to medium-sized venues.

The system features 4x50 adjustable UHF frequencies, ensuring stable and interference-free performance up to 300 feet in line of sight. It includes four bodypack transmitters, four lavalier microphones, and four headset microphones, offering flexible options for different users and scenarios.

2. PACKAGE CONTENTS

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

- 1 x UHF Wireless Receiver
- 4 x Bodypack Transmitters
- 4 x Lavalier Microphones
- 4 x Headset Microphones
- 1 x Power Adapter
- 1 x 6.35mm Audio Cable
- 4 x Anti-Rolling Rings
- 2 x Antennas
- 1 x User Manual

Note: AA batteries are not included and must be purchased separately.

A complete set of accessories for the product



Figure 2.1: Complete set of accessories included in the package.

3. PRODUCT OVERVIEW

3.1 UHF Wireless Receiver

Signal connection

UHF Wireless Range



Figure 3.1: Receiver Panel Functions

- **Front Panel:** Power button, LCD display for frequency and status, individual microphone volume controls (A, B, C, D).
- **Rear Panel:** 4 XLR balanced outputs (one for each channel), 1 x 6.35mm (1/4") TRS mixed audio output, power input, and antenna connectors.

3.2 Bodypack Transmitter

Introduction to the function of the receiving panel



Figure 3.2: Bodypack Transmitter Functions

- **Components:** Launch antenna, power indicator, digital display, frequency modulation button, AA battery installation box, audio input (for lavalier/headset mic), and power switch.
- **Microphones:** Includes lavalier (clip-on) and headset microphones for hands-free operation.

4. SETUP GUIDE

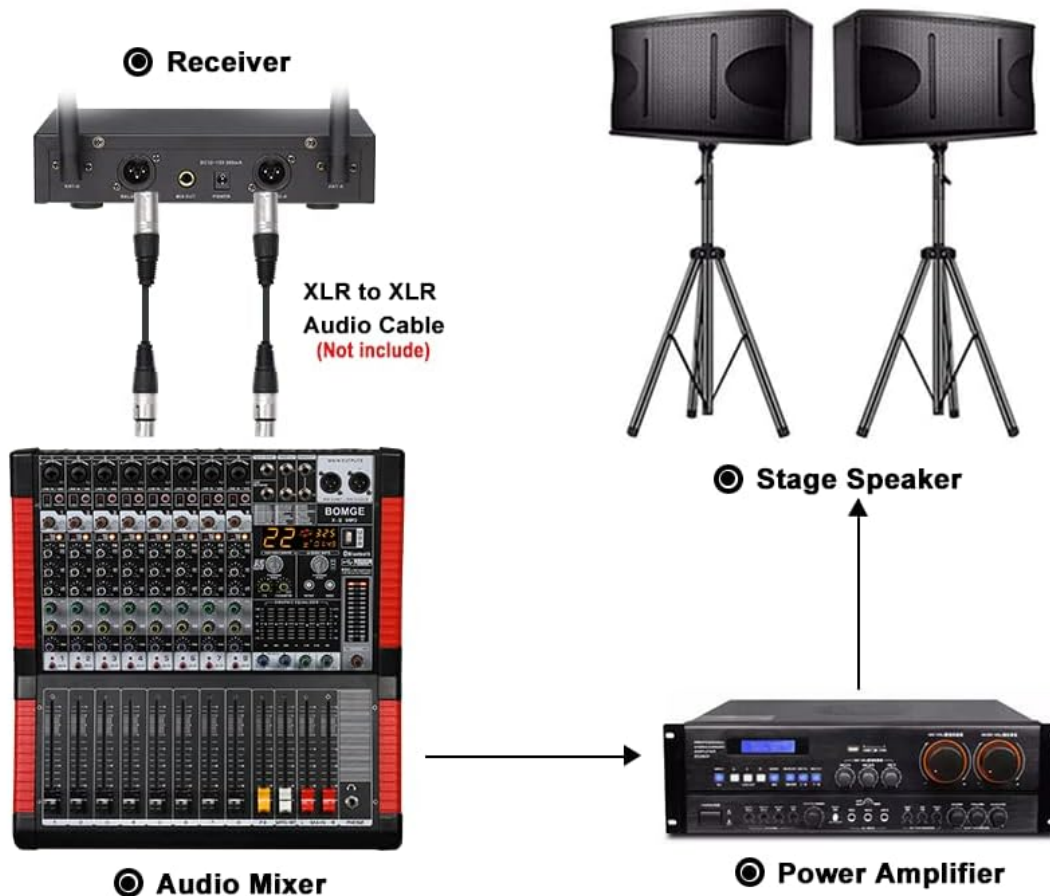
4.1 Receiver Setup

1. **Connect Antennas:** Screw the two included antennas into the ANT A and ANT B connectors on the rear panel of the receiver. Ensure they are securely fastened and positioned upright for optimal signal reception.
2. **Connect Power:** Plug the power adapter into the DC 12-15V 500mA power input on the rear of the receiver, then plug the adapter into a standard electrical outlet.
3. **Connect Audio Output:**
 - For a mixed output of all four microphones, use the provided 6.35mm audio cable to connect the 'MIX OUT' jack on the receiver to the input of your sound mixer, amplifier, or speaker system.
 - For individual microphone outputs, use XLR cables (not included) to connect the 'BAL A', 'BAL B',

'BAL C', and 'BAL D' XLR outputs on the receiver to corresponding inputs on your audio device.

Connection Method TWO

Plug And play solution for Easy setup



Optimum Boot Order:

Aduio Mixer → Audio Amplifier → Speaker → Receiver → Microphone

Optimum Shutdown Order:

Microphone → Receiver → Speaker → Audio Amplifier → Aduio Mixer

Figure 4.1: Receiver Connection Methods

4.2 Bodypack Transmitter Setup

1. **Install Batteries:** Open the battery compartment on each bodypack transmitter and insert two AA batteries, ensuring correct polarity.
2. **Connect Microphone:** Plug your chosen lavalier or headset microphone into the audio input jack on the bodypack transmitter. Ensure the connection is secure.



Figure 4.2: Bodypack Transmitters with Microphones

4.3 Pairing Instructions

The bodypack transmitters and receiver are typically pre-paired from the factory. If re-pairing is necessary or you wish to change frequencies, follow these steps:

1. Ensure all bodypacks are turned off and no microphones are attached.
2. Turn on the receiver. Select the desired channel (A, B, C, or D) on the receiver that you wish to pair.
3. On the receiver, press the 'SET' button twice quickly for the selected channel. The IR indicator on the receiver will flash, indicating it's ready for pairing.
4. Open the battery compartment of the bodypack transmitter you want to pair. Turn on the bodypack.
5. Point the IR window of the bodypack transmitter towards the IR logo on the receiver's selected channel. The bodypack's display will show the new frequency, and the receiver's RF/AF indicators will light up, confirming successful pairing.
6. Repeat for other bodypacks if needed, ensuring each is paired to a unique channel.

Video 4.3: Demonstrates the frequency synchronization and pairing process between the bodypack transmitters and the receiver.

5. OPERATION

5.1 Powering On/Off

- **Receiver:** Press the 'POWER' button on the front panel to turn the receiver on or off.
- **Bodypack Transmitters:** Use the ON/OFF switch located on the bodypack to power it on or off.

5.2 Volume Control

- **Receiver:** Adjust the individual volume knobs (VOL A, VOL B, VOL C, VOL D) on the receiver's front panel to control the output level of each microphone.
- **Bodypack Transmitters:** The bodypacks feature a volume adjustment function. Long press the 'MUTE/VOL' button for 3 seconds to enter volume adjustment mode. The LCD will flash. Click the 'MUTE/VOL' button to increase the volume (up to 40) and the 'SET' button to decrease the volume (down to 0).

5.3 Mute Function

On the bodypack transmitter, a short press of the 'MUTE/VOL' button will mute or unmute the microphone. The power indicator will turn red when muted and green when active.

5.4 Usage Scenarios

This wireless microphone system is versatile and suitable for a wide range of applications:

- Conferences and Meetings
- Broadcasting and Presentations
- Weddings and Social Events
- Karaoke and Entertainment
- Educational Institutions (schools, classrooms)
- Religious Venues (churches)
- Small to Medium-sized Stages

Usage scenarios



meeting



bar



Classroom



Concert

Figure 5.1: Diverse Usage Scenarios

6. MAINTENANCE

- **Battery Replacement:** Replace AA batteries in bodypacks when the low battery indicator appears on the display. Always use fresh batteries for optimal performance.
- **Cleaning:** Use a soft, dry cloth to clean the receiver and bodypack transmitters. Avoid using liquid cleaners or abrasive materials.
- **Storage:** When not in use for extended periods, remove batteries from bodypacks and store the system in a cool, dry place away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

- **No Sound:**
 - Ensure the receiver and bodypack are powered on.
 - Check all cable connections (audio output, microphone to bodypack).
 - Verify that the bodypack is paired to the correct receiver channel (RF/AF lights should be active).
 - Adjust receiver and bodypack volume levels.

- Check if the bodypack microphone is muted.
- **Interference or Static:**
 - Change the operating frequency of the affected channel (refer to pairing instructions).
 - Ensure the receiver antennas are fully extended and unobstructed.
 - Reduce the distance between the bodypack and receiver.
 - Check for other wireless devices operating on similar frequencies nearby.
- **Microphone/Bodypack Not Pairing:**
 - Ensure fresh batteries are installed in the bodypack.
 - Follow the pairing steps carefully, ensuring the IR windows align.
- **Unstable Frequency (when using multiple groups):**
 - Each receiver and bodypack group should be set to a unique frequency to avoid interference.
 - Re-pair microphones according to the 'Steps to Pair' section.

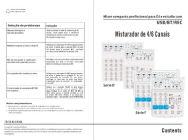
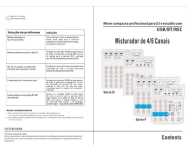
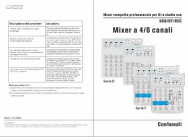
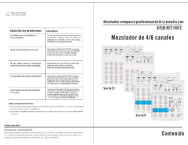
8. SPECIFICATIONS

Feature	Specification
Brand	BOMGE
Model Number	460U-4 Bodypack
Connectivity Technology	UHF
Number of Channels	4
Adjustable Frequencies	4x50 groups (UHF 510-590MHz band)
Operating Range	Up to 300ft (line of sight)
Microphone Form Factor	Headset, Lavalier
Polar Pattern	Omnidirectional
Connector Type	6.35 mm Jack, XLR
Power Source	Battery Powered (2 AA batteries per bodypack)
Material	Metal
Item Weight	3.97 pounds (1800 Grams)
Package Dimensions	13.78 x 10.24 x 5.71 inches

9. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your BOMGE 4 Channel UHF Wireless Microphone System, please refer to the contact details provided in the original product packaging or visit the official BOMGE website. Ensure you have your product model number (460U-4 Bodypack) and purchase details available when contacting support.

Related Documents - 460U-4 Bodypack

	BOMGE Dual Wireless Microphone System User Manual User manual for the BOMGE Dual Wireless Microphone System, detailing setup, operation, features, and specifications for headset, stand, and lavalier microphone configurations.
	Manual do Usuário: Mixer de Estúdio e Gravação BOMGE 4/6 Canais Guia completo do mixer BOMGE de 4/6 canais para DJ e estúdio. Aprenda sobre conexão, operação, solução de problemas e especificações para gravação, streaming e performances ao vivo.
	BOMGE Professional 4/6 Channel DJ and Studio Mixer User Manual Comprehensive user manual for the BOMGE Professional 4/6 Channel DJ and Studio Mixer, detailing its features, setup, troubleshooting, specifications, and usage instructions for DJing, studio recording, and live streaming. Includes USB, Bluetooth, and recording capabilities.
	BOMGE BG250U UHF Wireless Microphone System User Instructions User instructions and FCC compliance information for the BOMGE BG250U UHF Wireless Microphone system, detailing handheld transmitter operation, battery replacement, and interference guidelines.
	BOMGE 4/6 Channel DJ and Studio Mixer User Manual Comprehensive user guide for the BOMGE 4/6 channel DJ and studio mixer, covering features, operation, troubleshooting, and specifications. Includes USB, Bluetooth, and DSP effects for professional audio applications.
	BOMGE 4/6 Channel Professional DJ and Studio Mixer User Manual User manual for the BOMGE 4/6 channel professional DJ and studio mixer. Covers features, operation, troubleshooting, specifications, and connectivity for DJing, studio recording, and live streaming.