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› **Bolymic** /

› Bolymic 8800S 8 Channel UHF Wireless Microphone System User Manual

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Bolymic 8800S 8 Channel UHF Wireless Microphone System User Manual

Model: 8800S

1. INTRODUCTION

The Bolymic 8800S UHF 8 Channel Wireless Microphone System is designed for professional audio applications in environments such as conferences, meetings, and various events. This system provides reliable performance and includes a main receiver unit along with eight desktop gooseneck microphones/transmitters. Each microphone offers 100 selectable channels, which helps in avoiding interference and allows for flexible system expansion.

2. PACKAGE CONTENTS

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

- 1 x 8 Channel UHF Receiver
- 8 x Metal Gooseneck Microphones
- 1 x 1/4" Audio Cable
- 1 x AC-DC Power Adapter
- 1 x User Manual

3. SYSTEM OVERVIEW

3.1. Main System Components



Figure 3.1: The Bolymic 8800S 8 Channel UHF Wireless Microphone System, showing the main receiver unit and eight gooseneck microphones. This image provides a complete view of the system components as they would be set up for use.

3.2. Receiver Unit Features

The receiver unit is the central hub for the wireless microphone system. Key features include:

- **LCD Display:** Backlit display showing RF level, AF level, and current channel frequency for each of the eight channels.
- **Channel Selection:** Supports 8x100 selectable frequencies per channel, allowing for flexible frequency management.
- **Audio Outputs:** Features eight individual balanced XLR outputs and one mixed 1/4" output for versatile connectivity.
- **Volume Control:** Independent volume control knobs for each channel on the receiver front panel.
- **Frequency Range:** Operates within the UHF 530MHz - 580MHz frequency band.



Figure 3.2: Rear panel of the Bolymic 8800S receiver. This view highlights the various audio output ports (XLR and 6.35 MIX output), antenna connections (Antenna A, Antenna B), and the power input. Proper connection of these ports is crucial for system operation.

3.3. Gooseneck Microphone Features

Each gooseneck microphone/transmitter unit includes:

- **Adjustable Gooseneck:** Flexible design for easy positioning and optimal sound capture.
- **Clear Display:** Integrated display on the microphone base for channel information.
- **Power Switch:** On/Off button located on the microphone base.
- **Volume Control:** Local volume adjustment on the microphone base.
- **IR Window:** For automatic synchronization with the receiver unit.
- **Battery Operation:** Powered by AA batteries, offering approximately 12 hours of continuous use.



Figure 3.3: Detailed view of the Bolyptic gooseneck microphone base. This image highlights the clear display, power switch, volume control, and IR window for synchronization. The adjustable gooseneck allows for precise microphone positioning.

4. SETUP INSTRUCTIONS

4.1. Receiver Connection

1. **Positioning:** Place the receiver unit in a central location, away from potential sources of interference (e.g., Wi-Fi routers, large metal objects). The unit is rack-mountable and fits a standard 19" rack.
2. **Antenna Connection:** Connect the provided antennas to the "Antenna A" and "Antenna B" ports on the rear of the receiver. Ensure they are securely tightened.
3. **Power Connection:** Connect the AC-DC power adapter to the receiver's power input port and then plug it into a suitable power outlet. Do not power on the unit yet.
4. **Audio Output:**
 - o For individual microphone outputs, connect XLR cables from the receiver's "BALANCED XLR" outputs (A, B, C, D, etc.) to your mixer or audio interface.
 - o For a combined output, connect the supplied 1/4" audio cable from the receiver's "MIX output" to your mixer or audio interface.

4.2. Microphone Battery Installation

1. Locate the battery compartment on the underside of each gooseneck microphone base.
2. Open the compartment and insert two AA batteries, ensuring correct polarity (+/-).
3. Close the battery compartment securely.

4.3. Powering On and Synchronization

1. **Power On Receiver:** Press the power button on the receiver unit. The LCD display should illuminate.
2. **Power On Microphones:** Press the power switch on each gooseneck microphone base.
3. **Automatic Synchronization:** The system features automatic transmitter setup. The receiver and microphones will typically synchronize their channels automatically upon power-up. If manual synchronization is required, refer to the specific instructions on the receiver's front panel or the microphone's IR window for pairing procedures. Ensure the microphone's IR window is facing the receiver's IR sensor during synchronization.

5. OPERATING INSTRUCTIONS

5.1. Microphone Usage

- Position the gooseneck microphone approximately 15-30 cm (6-12 inches) from the speaker's mouth for optimal sound capture.
- Ensure the microphone is powered on and synchronized with the receiver. The microphone's display will show its active channel.

5.2. Volume Control

- **Receiver Volume:** Adjust the individual volume knobs on the receiver's front panel for each microphone channel to achieve the desired output level.
- **Microphone Volume:** Some microphones may have a local volume control on their base. Use this for fine-tuning the input sensitivity before it reaches the receiver.

5.3. Channel Selection and Interference Management

- Each channel offers 100 selectable frequencies. If you experience interference, you can change the frequency of a specific microphone and its corresponding receiver channel. Refer to the receiver's manual for detailed instructions on manual frequency selection.
- The system is designed to allow up to 20 units (160 microphones) to be used simultaneously, provided appropriate frequency planning is implemented to avoid inter-channel interference.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the receiver and microphone surfaces. Avoid using liquid cleaners or solvents, as they may damage the finish or internal components.
- **Battery Replacement:** Replace AA batteries in the microphones when the low battery indicator appears on the microphone's display or when audio quality degrades. Always use fresh, high-quality batteries.
- **Storage:** When not in use for extended periods, remove batteries from the microphones to prevent leakage. Store the system in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Antenna Care:** Ensure antennas are not bent or damaged. Damaged antennas can impair wireless performance.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from microphone	<ul style="list-style-type: none"> Microphone not powered on Low or dead batteries Microphone not synchronized with receiver Receiver volume turned down Audio cable disconnected or faulty 	<ul style="list-style-type: none"> Ensure microphone is powered on. Replace batteries with fresh AA batteries. Perform synchronization procedure. Increase receiver channel volume. Check audio cable connections and test with a different cable.
Interference or static noise	<ul style="list-style-type: none"> Operating on a crowded frequency Proximity to other wireless devices Antennas obstructed or improperly connected 	<ul style="list-style-type: none"> Change the operating frequency of the microphone and receiver. Relocate the receiver away from other wireless equipment. Ensure antennas are securely connected and unobstructed.
Short wireless range	<ul style="list-style-type: none"> Obstructions between microphone and receiver Antennas improperly positioned Low microphone battery 	<ul style="list-style-type: none"> Ensure clear line of sight between microphone and receiver antennas. Adjust antenna positioning for optimal reception. Replace microphone batteries.

8. SPECIFICATIONS

Feature	Detail
Model	8800S (BL-8800SB-4GM)
Frequency Range	UHF 530MHz - 580MHz
Frequency Response	45Hz~18KHz
Number of Channels	8 (with 100 selectable frequencies per channel)
Wireless Range	Up to 300 feet (80 meters)
Microphone Battery Life	Approximately 12 Hours (AA batteries)
Audio Outputs	8 x Balanced XLR, 1 x 1/4" Mixed Output
Microphone Polar Pattern	Omnidirectional
Material	Metal (Receiver and Microphones)
Receiver Rack Mountable	Yes, fits 19" rack
Item Weight	26.4 pounds
Package Dimensions	21.65 x 17.72 x 11.81 inches
UPC	699920169760

9. WARRANTY INFORMATION

Specific warranty terms and conditions for the Bolymic 8800S system may vary by region and retailer. Please refer to your original purchase documentation, product registration details, or contact Bolymic customer support for comprehensive warranty information.

10. CUSTOMER SUPPORT

For technical assistance, troubleshooting guidance beyond this manual, or any other product-related inquiries, please contact Bolymic customer support. Contact details can typically be found on the official Bolymic website or through your product retailer.