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› Sonew Intercom Microphone System (Model Sonewmtea3u5bfq-01) - Instruction Manual

Sonew Sonewmtea3u5bfq-01

Sonew Intercom Microphone System (Model Sonewmtea3u5bfq-01) - Instruction Manual

Comprehensive guide for setup, operation, and maintenance.

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Sonew Intercom Microphone System, Model Sonewmtea3u5bfq-01. This dual-way intercom system is designed to facilitate clear communication across barriers such as windows in various professional settings, including banks, offices, stores, and service counters. It features anti-interference technology for clear, noise-free audio.

2. PRODUCT OVERVIEW

2.1 Components

- Main Unit with Gooseneck Microphone
- External Speaker
- Power Adapter



Figure 2.1: Main components of the Sonew Intercom Microphone System.

2.2 Controls and Ports

The main unit features intuitive controls and essential ports for seamless operation.



Figure 2.2: Front panel controls including IN (internal) and OUT (external) volume adjustments and the power switch.



Figure 2.3: Rear ports for power, recording, and microphone/speaker connections.

- **IN Volume Knob:** Adjusts the volume of the internal microphone.
- **OUT Volume Knob:** Adjusts the volume of the external speaker.
- **Power Switch:** Toggles the unit on/off.
- **Power LED:** Indicates power status.
- **Inside Audio LED:** Lights up when the internal microphone is active.
- **Outside Audio LED:** Lights up when the external speaker is active.
- **Power Port:** Connects to the power adapter.
- **Rec Port:** For connecting a recording device.
- **Inner Microphone Port:** For the gooseneck microphone.
- **Outer Speaker Port:** For the external speaker.

3. SETUP INSTRUCTIONS

Follow these steps to set up your intercom system:

1. **Connect the Gooseneck Microphone:** Insert the gooseneck microphone into the designated port on the main unit.
2. **Connect the External Speaker:** Plug the external speaker into the 'Outer Speaker' port on the main unit.
3. **Connect Power:** Plug the power adapter into the 'Power' port on the main unit, then connect the adapter

to a power outlet.

4. **Positioning:** Place the main unit with the gooseneck microphone on the inside of the counter or window. Position the external speaker on the outside, ensuring there is a physical barrier (like glass) between the two units to prevent feedback and noise.



Figure 3.1: Example of easy installation at a service counter.



Figure 3.2: Single cable connection for streamlined setup.

Setup Video Guide

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Video 3.1: General setup and connection of a window intercom system. This video provides a visual guide to connecting the main unit, external speaker, and power.

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Video 3.2: Installation guide for a similar window intercom system (Note: The unit shown in the video may differ in color from your Sonew model, but the installation principles are generally applicable).

4. OPERATING INSTRUCTIONS

Once the system is set up, follow these steps for operation:

1. **Power On:** Flip the power switch on the main unit to the 'ON' position. The Power LED will illuminate.
2. **Adjust Volume:** Use the 'IN' volume knob to adjust the sensitivity of the internal microphone and the 'OUT' volume knob to control the loudness of the external speaker. Adjust to a comfortable level for both parties.

3. **Two-Way Communication:** The system automatically detects and processes voice during a conversation, allowing for natural two-way communication without manual switching.
4. **Mute Function:** The system features a dedicated anti-sound processing chip with an automatic mute function to reduce interference and noise.
5. **Recording (Optional):** If a recording device is connected to the 'Rec' port, conversations can be recorded. The stereo jack output mode prevents voice recording from being controlled by the power switch and function buttons.



Figure 4.1: Illustration of the two-way voice output and recording capability.

Operation Video Guide

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Video 4.1: Demonstration of the Sonew Intercom Microphone System in operation, highlighting clear two-way communication.

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Video 4.2: Overview of controls and basic operation for a similar window intercom system (Note: The unit shown in the video may differ in model and color from your Sonew model, but the operational principles are generally applicable).

5. MAINTENANCE

To ensure optimal performance and longevity of your Sonew Intercom Microphone System, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the main unit, microphone, and external speaker. Avoid using abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, store the system in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Ensure all cables are not kinked or pinched, which can damage the wiring.

6. TROUBLESHOOTING

If you encounter any issues with your intercom system, refer to the following common problems and solutions:

- **No Sound:**
 - Ensure the power adapter is securely connected and the unit is powered on.
 - Check that the 'IN' and 'OUT' volume knobs are not set to minimum.
 - Verify all cables (microphone, external speaker) are properly connected to their respective ports.
- **Excessive Noise/Feedback:**
 - Ensure there is a physical barrier (e.g., glass) between the main unit and the external speaker.
 - Adjust the 'IN' and 'OUT' volume levels to prevent feedback.
 - The system has a dedicated anti-sound processing chip; ensure it is functioning correctly.
- **Intermittent Communication:**
 - Check for loose cable connections.
 - Ensure the microphone is positioned correctly for optimal voice pickup.

7. SPECIFICATIONS

Power Source	Corded Electric
Material	Plastic
Signal-to-Noise Ratio	70 dB
Number of Channels	2
Manufacturer	Sonew
UPC	713135559342
Item Weight	1.46 pounds
Item Model Number	Sonewmtea3u5bfq-01

Voltage	1 Volts
Wattage	3 watts
Connectivity Technology	XLR or TRS (1/4 inch)
Connector Type	XLR or 1/4 inch TRS
Special Feature	Mute Function
Compatible Devices	Speaker
Included Components	Microphone
Polar Pattern	Unidirectional
Audio Sensitivity	38 Decibels
Microphone Form Factor	Lavalier

8. WARRANTY AND SUPPORT

Your complete satisfaction is our number one priority. If you encounter any quality problems or operational issues with your Sonew Intercom Microphone System, please contact us through your order details. We are committed to resolving any non-man-made damage issues as quickly as possible.