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FONESTAR MSH-110

FONESTAR MSH-110 VHF Wireless Microphone System User Manual

Model: MSH-110 | Brand: FONESTAR

INTRODUCTION

This manual provides detailed instructions for the proper setup, operation, and maintenance of your FONESTAR MSH-110 VHF Wireless Microphone System. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

The FONESTAR MSH-110 is a compact VHF wireless microphone system operating in the 174 to 194 MHz frequency range. It includes a receiver unit and a high-quality unidirectional dynamic handheld microphone, designed for clear audio transmission.

SAFETY INFORMATION

Always follow basic safety precautions when using this product to reduce the risk of fire, electric shock, and injury.

- Do not expose the unit to rain or moisture.
- Do not open the casing; refer all servicing to qualified personnel.
- Ensure proper ventilation around the receiver.
- Use only the provided power adapter for the receiver.
- Dispose of batteries responsibly.

PACKAGE CONTENTS

Verify that all components are present in the package:

- 1 x FONESTAR MSH-110 VHF Receiver
- 1 x FONESTAR Handheld Wireless Microphone
- 1 x Power Adapter (for receiver)
- Batteries (for microphone)



Image: The FONESTAR MSH-110 system, showing the compact receiver with its antenna and the handheld wireless microphone.

SETUP

Receiver Setup

1. **Placement:** Position the receiver on a stable, flat surface, away from sources of interference (e.g., computers, Wi-Fi routers). Ensure adequate ventilation.
2. **Antenna:** Extend the receiver's antenna fully for optimal signal reception.
3. **Power Connection:** Connect the provided 12V DC power adapter to the receiver's power input and then plug it into a 230V AC wall outlet. The "POWER" indicator light on the receiver should illuminate.
4. **Audio Output:**
 - **Balanced Output (XLR/Cannon):** Connect an XLR cable from the receiver's balanced output to a balanced input on your mixer or amplifier. This provides a low-impedance, interference-resistant signal.
 - **Unbalanced Output (6.3mm Jack):** Connect a 6.3mm jack cable from the receiver's unbalanced output to an unbalanced input on your mixer or amplifier.

Microphone Setup

1. **Battery Installation:** Unscrew the lower part of the handheld microphone to access the battery compartment. Insert the required AA batteries, ensuring correct polarity.
2. **Power On:** Slide the power switch on the microphone to the "ON" position. The microphone's indicator light should illuminate.

OPERATING INSTRUCTIONS

Powering On the System

1. Ensure the receiver is connected to power and an audio system.
2. Turn on the receiver. The "POWER" indicator will light up.
3. Turn on the handheld microphone. The microphone's indicator will light up.
4. When the microphone is active and transmitting, the "MIC ON" indicator on the receiver should illuminate, and the "AF" (Audio Frequency) indicator will light up when audio is detected.

Adjusting Volume

- Use the volume control knob on the receiver to adjust the output level of the microphone.
- Further volume adjustments can be made on your connected mixer or amplifier.

Squelch Control

The receiver features a squelch control to suppress unwanted background noise or static when no audio signal is being transmitted from the microphone. Adjust this control to find the optimal balance between signal reception and noise suppression.

Frequency Information

The system operates on a fixed VHF frequency within the 174-194 MHz range, controlled by a quartz crystal. No manual frequency tuning is required or possible.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the receiver and microphone. Do not use liquid cleaners or solvents.
- **Battery Replacement:** Replace microphone batteries when the indicator light dims or audio quality degrades. Remove batteries if the microphone will not be used for an extended period.
- **Storage:** Store the system in a cool, dry place, away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from microphone.	<ul style="list-style-type: none">◦ Microphone off or low battery.◦ Receiver off or not powered.◦ Incorrect audio cable connection.◦ Receiver volume too low.◦ Squelch set too high.	<ul style="list-style-type: none">◦ Turn on microphone, replace batteries.◦ Ensure receiver is powered and on.◦ Check audio cable connections to mixer/amplifier.◦ Increase receiver volume.◦ Adjust squelch control.

Problem	Possible Cause	Solution
Poor sound quality, static, or dropouts.	<ul style="list-style-type: none"> ◦ Interference from other devices. ◦ Microphone too far from receiver. ◦ Obstructions between microphone and receiver. ◦ Low microphone battery. 	<ul style="list-style-type: none"> ◦ Relocate receiver away from interference sources. ◦ Reduce distance between microphone and receiver. ◦ Ensure clear line of sight. ◦ Replace microphone batteries.
Receiver "MIC ON" or "AF" indicator not lighting up.	<ul style="list-style-type: none"> ◦ Microphone not transmitting. ◦ Microphone out of range. 	<ul style="list-style-type: none"> ◦ Ensure microphone is on and has fresh batteries. ◦ Move microphone closer to the receiver.

SPECIFICATIONS

Model Name	MSH 110
Frequency Range	VHF 174 - 194 MHz (Fixed Frequency)
Microphone Type	Handheld, Dynamic, Unidirectional
Frequency Response	50 - 15,000 Hz
Receiver Audio Output (Balanced)	1 x XLR/Cannon, 600 Ω , 0-20 mV
Receiver Audio Output (Unbalanced)	1 x 6.3mm Jack, 10,000 Ω , 0-100 mV
Receiver Power Supply	230V AC / 12V DC (adapter included)
Microphone Power Supply	AA Batteries (not rechargeable)
Receiver Dimensions (L x D x H)	220 x 114 x 35 mm
Item Weight	1 Kilogram
Material	Brass
Special Features	Wireless operation
Recommended Uses	Live vocal performances, karaoke, public speaking

WARRANTY AND SUPPORT

Information regarding warranty coverage and customer support for the FONESTAR MSH-110 system is typically provided at the point of purchase or on the official FONESTAR website. Please refer to your purchase documentation for specific warranty terms and contact information for technical assistance.

For further assistance, please visit the official FONESTAR website or contact your local distributor.

