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AKG WMS40

AKG WMS40 Mini Dual Vocal Set Wireless Microphone System

User Instruction Manual

Introduction

The AKG WMS40 Mini Dual Vocal Set is a compact and user-friendly wireless microphone system designed for clear vocal reproduction. This system offers a true plug-and-play experience, making it ideal for various applications requiring reliable wireless audio transmission. It features two handheld transmitters and a dual receiver, providing flexibility and ease of use.

Package Contents

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

- 1 x SR40 Mini Dual Receiver
- 2 x HT40 Mini Handheld Transmitters
- 1 x AA Battery (for each transmitter)
- 1 x Power Supply Unit for Receiver
- 1 x 1/4 inch Jack Audio Cable

Product Overview



Figure 1: AKG WMS40 Mini Dual Vocal Set components. This image displays the two HT40 Mini handheld transmitters on the left and the SR40 Mini Dual Receiver on the right. The transmitters feature an AKG logo, "Mini PRO" branding, and a three-position switch for OFF, MUTE, and ON. The receiver includes two volume knobs, an ON/OFF switch, and indicator LEDs for AF CLIP (Audio Frequency Clip) and RF OK (Radio Frequency OK) for each channel, along with the AKG logo and "Mini PRO2" branding.

HT40 Mini Handheld Transmitter

- **Microphone Grille:** Protects the dynamic cardioid capsule.
- **Power/Mute Switch:** A three-position slide switch for Off, Mute, and On.
- **Battery Compartment:** Located at the bottom, holds one AA battery.
- **Status LED:** Indicates power on/off and low battery.

SR40 Mini Dual Receiver

- **Antennas:** Two fixed antennas for stable signal reception.
- **Volume Controls:** Independent volume knobs for each channel (1 and 2).
- **ON/OFF Switch:** Main power switch for the receiver.
- **RF OK LED (Green):** Illuminates when a stable radio frequency signal is received from the corresponding transmitter.
- **AF CLIP LED (Red):** Illuminates when the audio input signal is too strong, indicating potential clipping.
- **Output Jacks:** Two 1/4 inch (6.3mm) unbalanced output jacks on the rear for connecting to a mixer or amplifier.
- **Power Input:** DC input for the included power supply.

Setup

1. Receiver Placement and Connection

1. **Position the Receiver:** Place the SR40 Mini Dual Receiver in a location free from obstructions and away from other wireless devices that might cause interference. Ensure the antennas are extended and positioned for optimal reception.
2. **Connect Power:** Connect the supplied power adapter to the DC input on the rear of the SR40 Mini Dual Receiver and plug it into a suitable power outlet. Do not power on the receiver yet.
3. **Connect Audio Output:** Connect the 1/4 inch output jacks of the receiver to the input channels of your mixer, amplifier, or PA system using appropriate audio cables. Ensure the volume controls on the receiver are set to minimum before connecting.

2. Transmitter Battery Installation

1. Unscrew the bottom part of each HT40 Mini Handheld Transmitter to reveal the battery compartment.
2. Insert one AA battery into each transmitter, observing the correct polarity (+/-) as indicated inside the compartment.
3. Screw the bottom part back onto the transmitter securely.

Operating Instructions

1. Powering On the System

1. Ensure all connections are secure and volume levels on your mixer/amplifier are low.
2. Turn on the SR40 Mini Dual Receiver using the ON/OFF switch on the front panel. The power LED will illuminate.
3. Slide the power/mute switch on each HT40 Mini Handheld Transmitter from "OFF" to "ON". The status LED on the transmitter will illuminate.
4. Observe the SR40 Mini Dual Receiver: The green "RF OK" LED for each active channel should illuminate, indicating a stable wireless connection.

2. Adjusting Volume and Monitoring

1. Slowly increase the volume on your mixer/amplifier to a comfortable listening level.
2. Speak or sing into the HT40 Mini Handheld Transmitter.
3. Adjust the individual volume knobs on the SR40 Mini Dual Receiver to achieve the desired output level for each microphone.
4. Monitor the "AF CLIP" LED on the receiver. If this red LED flashes frequently or stays lit, the audio input signal is too strong. Reduce the input gain on your mixer/amplifier or speak/sing further from the microphone to prevent distortion.

3. Using the Mute Function

To temporarily silence a transmitter without powering it off, slide the power/mute switch on the HT40 Mini Handheld Transmitter to the "MUTE" position. The status LED will remain lit, but no audio will be transmitted. Slide it back to "ON" to resume audio transmission.

4. Powering Off the System

1. Slide the power/mute switch on each HT40 Mini Handheld Transmitter to "OFF".
2. Turn off the SR40 Mini Dual Receiver using its ON/OFF switch.

3. Turn off your mixer/amplifier.

Maintenance

- **Battery Replacement:** Replace the AA battery in the HT40 Mini Handheld Transmitter when the status LED starts to flash or when audio quality degrades. Always use fresh alkaline batteries for optimal performance and battery life (up to 30 hours).
- **Cleaning:** Clean the exterior of the receiver and transmitters with a soft, dry cloth. Do not use liquid cleaners or solvents. For microphone grilles, a soft brush can be used to remove debris.
- **Storage:** When not in use for extended periods, remove batteries from the transmitters to prevent leakage. Store the system in a cool, dry place, away from direct sunlight and extreme temperatures.

Troubleshooting

Problem	Possible Cause	Solution
No sound from microphone.	Transmitter or receiver not powered on. Transmitter battery is dead or low. Transmitter is in MUTE mode. Receiver not connected to mixer/amplifier. Mixer/amplifier input volume is too low. Out of range.	Ensure both transmitter and receiver are powered on. Replace transmitter battery. Slide transmitter switch to "ON". Check audio cable connections. Increase input volume on mixer/amplifier. Move transmitter closer to receiver.
Interference or static.	Other wireless devices nearby. Obstructions between transmitter and receiver. Weak signal.	Move receiver away from other electronic devices. Ensure clear line of sight between transmitter and receiver. Check "RF OK" LED; if it flickers, move closer.
Distorted audio (AF CLIP LED on).	Input signal too strong.	Reduce volume on the receiver. Speak/sing further from the microphone. Adjust input gain on your mixer/amplifier.

Specifications

Feature	Detail
Model Name	WMS40 Mini Dual Vocal Set Wireless Microphone System
Brand	AKG
Microphone Form Factor	Microphone System
Number of Channels	2

Feature	Detail
Connectivity Technology	Auxiliary, Wireless
Connector Type	1/4 inch jack
Power Source	Battery Powered (Transmitter), AC Adapter (Receiver)
Transmitter Battery Type	1 x AA battery per transmitter
Transmitter Battery Life	Up to 30 hours (with alkaline battery)
Audio Sensitivity	110 dB
Frequency Response	20 KHz
Noise Level	110 dB
Polar Pattern	Unidirectional (Cardioid)
Material	Plastic, Metal
Color	Black
Product Dimensions (Receiver)	5.2 x 5.2 x 1.7 inches
Item Weight (System)	6.9 ounces
UPC	885038038924

Warranty and Support

AKG products are designed for reliability and performance. For detailed warranty information, please refer to the warranty card included with your product or visit the official AKG website. Warranty terms and conditions may vary by region.

For technical support, troubleshooting assistance beyond this manual, or service inquiries, please contact AKG customer support through their official website or authorized service centers. Keep your purchase receipt as proof of purchase for warranty claims.

Online Resources: For the most up-to-date information, drivers, and software (if applicable), please visit the official AKG website: www.akg.com

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