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AKG 5100247-00

AKG DMS100 Digital Wireless Microphone System User Manual

Model: 5100247-00

INTRODUCTION

Thank you for choosing the AKG DMS100 Digital Wireless Microphone System. This system combines signature AKG sound quality with reliable, license-free 2.4 GHz operation, advanced security features, extended battery life, and ease-of-use. Designed for performers and presenters, the DMS100 delivers crisp, studio-quality sound with ultra-low latency, leveraging 24-bit/48kHz uncompressed audio coding and AES 256-bit encryption for secure signal transmission.

SAFETY INFORMATION

Please read and understand all safety instructions before operating this device. Keep this manual for future reference.

- **Power Source:** Use only the specified power adapter.
- **Batteries:** Ensure correct battery polarity when inserting. Do not mix old and new batteries or different types of batteries. Remove batteries if the device will not be used for an extended period.
- **Moisture:** Do not expose the device to rain, moisture, or extreme humidity.
- **Heat:** Keep away from heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
- **Ventilation:** Do not block any ventilation openings. Ensure proper airflow around the receiver.
- **Cleaning:** Clean only with a dry cloth.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

WHAT'S IN THE BOX

Verify that all components are present in the packaging:

- 1x HT100 Handheld Microphone/Transmitter
- 1x SR100 Stationary Receiver
- 1x Universal AC Power Adapter
- 1x Microphone Stand Adapter

- 2x AA Batteries

PRODUCT OVERVIEW



Image: The AKG DMS100 Digital Wireless Microphone System, showing the SR100 stationary receiver and the HT100 handheld microphone. The receiver is a black rectangular unit with a power button, signal indicator, and volume knob on the front. The microphone is black with a mesh grille, and features a power/mute switch and an indicator light on its body.

SR100 Stationary Receiver

The SR100 is the central unit of the DMS100 system, receiving audio signals from the HT100 microphone. It features a compact design with intuitive controls.

- **Power Button:** Turns the receiver on/off.
- **Status Indicator:** Displays connection and operational status.
- **Volume Control:** Adjusts the audio output level.
- **Antennas:** Internal antennas for reliable signal reception.
- **XLR Output:** Balanced audio output for connecting to mixers or PA systems.

HT100 Handheld Microphone/Transmitter

The HT100 is a high-quality handheld microphone that transmits audio wirelessly to the SR100 receiver.

- **Microphone Capsule:** Authentic AKG microphone capsule for clear audio capture.
- **Power/Mute Switch:** Controls power and mutes the microphone output.
- **Status LED:** Indicates power, battery status, and mute status.
- **Battery Compartment:** Houses two AA batteries.

SETUP

1. Receiver Placement

Place the SR100 receiver in a location where it has a clear line of sight to the area where the microphone will be used. Avoid placing it near large metal objects, Wi-Fi routers, or other 2.4 GHz devices that could cause interference.

2. Powering the Receiver

1. Connect the universal AC power adapter to the DC input on the rear of the SR100 receiver.
2. Plug the power adapter into a suitable electrical outlet.
3. Press the power button on the front of the receiver to turn it on. The status indicator will illuminate.

3. Connecting the Receiver to an Audio System

Use an XLR cable (not included) to connect the XLR output on the rear of the SR100 receiver to an input on your mixer, PA system, or audio interface.

4. Installing Batteries in the Microphone

1. Unscrew the bottom part of the HT100 microphone to reveal the battery compartment.
2. Insert two AA batteries, ensuring correct polarity (+/-).
3. Screw the bottom part back onto the microphone securely.

5. Pairing the Microphone and Receiver

The DMS100 system is designed for seamless setup. The microphone and receiver should automatically pair upon power-up if they are within range and on the same channel. If pairing does not occur automatically:

- Ensure both the receiver and microphone are powered on.
- Check the status indicators on both devices. The receiver's signal indicator should show a stable connection.
- If issues persist, refer to the Troubleshooting section or consult the full manual for manual pairing instructions if applicable (though typically not needed for DMS100).

OPERATING INSTRUCTIONS

Turning On/Off

- **Receiver:** Press the power button on the front panel.
- **Microphone:** Slide the power/mute switch on the HT100 microphone to the "POWER" position.

Muting the Microphone

To temporarily silence the microphone output without turning it off, slide the power/mute switch on the HT100 microphone to the "MUTE" position. The status LED on the microphone will change to indicate mute status.

Adjusting Volume

Adjust the output volume of the receiver using the volume knob on the front panel of the SR100. It is recommended to start with a lower volume and gradually increase it to avoid sudden loud sounds.

Battery Life

The HT100 microphone provides extended battery life. The status LED on the microphone will indicate low battery status, typically by changing color or flashing. Replace batteries promptly when indicated to ensure uninterrupted performance.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the surfaces of the receiver and microphone. Do not use liquid cleaners or solvents.
- **Storage:** When not in use, store the system in a cool, dry place, away from direct sunlight and extreme

temperatures. Remove batteries from the microphone if storing for an extended period.

- **Microphone Grille:** Periodically check the microphone grille for debris. Clean gently with a soft brush if necessary.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from microphone	Microphone or receiver not powered on. Microphone muted. Low or dead batteries in microphone. Receiver not connected to audio system. Volume on receiver or mixer too low. Microphone and receiver not paired.	Ensure both devices are powered on. Check mute switch on microphone. Replace batteries in microphone. Verify XLR cable connection to audio system. Increase volume on receiver and mixer. Power cycle both devices to re-establish pairing.
Interference or dropouts	Too far from receiver. Obstructions between microphone and receiver. Interference from other 2.4 GHz devices (Wi-Fi, Bluetooth). Multiple DMS100 systems too close.	Reduce distance between microphone and receiver (max 30 meters/100 feet). Ensure clear line of sight. Move receiver away from other wireless devices. Ensure proper channel management if using multiple systems (DMS100 supports up to four simultaneous systems).
Poor audio quality	Low battery. Microphone too far from sound source. Input gain on mixer/PA system incorrect.	Replace batteries. Hold microphone closer to the speaker/singer. Adjust input gain on your audio system.

SPECIFICATIONS

Feature	Detail
Model Name	DMS100 Wireless Microphone System
Microphone Form Factor	Microphone System (Handheld)
Connectivity Technology	Wireless (2.4 GHz Digital)
Audio Resolution	24-bit, 48kHz
Encryption	AES 256-bit
Operating Range	30 meters (100 feet)

Feature	Detail
Number of Channels	4 (simultaneous systems)
Microphone Power Source	2 AA Batteries (included)
Receiver Power Source	AC Power Adapter
Item Weight	1.4 pounds
Product Dimensions (L x W x H)	3 x 3 x 3 inches (approximate, for receiver)
Signal-to-Noise Ratio	90 dB
Audio Sensitivity	54 dB

WARRANTY AND SUPPORT

AKG products are designed for reliability and performance. For information regarding warranty coverage, technical support, or service, please visit the official AKG Pro Audio website or contact their customer service department. You can find more information and support resources by visiting the [AKG Store on Amazon](#) or the official AKG website.

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Related Documents - 5100247-00

	<p>AKG C535 EB Reference Condenser Vocal Microphone - User Manual</p> <p>Comprehensive user manual for the AKG C535 EB Reference Condenser Vocal Microphone, covering features, applications, technical specifications, and servicing. Learn how to use and maintain your professional condenser microphone.</p>
	<p>AKG CK 55 Miniature Clip-On Condenser Microphone User Manual and Specifications</p> <p>Comprehensive user manual for the AKG CK 55 miniature clip-on condenser microphone, detailing setup, operation, features, specifications, and cleaning. Includes connection diagrams and safety precautions.</p>

 <p>AKG Ara QUICK START GUIDE</p> <p>CONGRATULATIONS</p> <p>For the purchase of an AKG Ara. This guide will get you up and running with the basics needed to set up and use your microphone right out of the box. For more detailed information, refer to the AKG Ara User Manual included in the box.</p> <p>WHAT'S IN THE BOX</p> <ul style="list-style-type: none"> AKG Ara Microphone USB Cable (USB C to USB A) AKG XLR to 3.5mm Microphone Stand Adapter Quick Start Guide Regulatory Documents Product Line 1 Year Registration Card <p>SYSTEM REQUIREMENTS</p> <ul style="list-style-type: none"> Windows 8.1 and higher Mac OS X and higher Android 5.0 and higher Windows 10 and higher USB 2.0 port required 3.5mm and XLR audio connection AC and external power source 	<p>AKG Ara Quick Start Guide: Setup and Operation</p> <p>Get started quickly with the AKG Ara professional dual-pattern USB condenser microphone. This guide covers setup, connections, controls, and capture modes for optimal audio recording.</p>
 <p>C451 B REFERENCE CONDENSER VOCAL MICROPHONE</p>	<p>AKG C451 B Reference Condenser Vocal Microphone User Manual</p> <p>User guide for the AKG C451 B, a high-quality reference condenser vocal microphone, providing essential instructions for operation and setup.</p>
 <p>PERCEPTION 120 PERCEPTION 220</p>	<p>AKG Perception 120 & 220 Condenser Microphones User Manual</p> <p>Comprehensive user manual for AKG Perception 120 and Perception 220 condenser microphones, covering features, setup, usage, troubleshooting, and specifications.</p>
 <p>P120 P220</p>	<p>AKG P120 & P220 Condenser Microphones User Manual</p> <p>Comprehensive user manual for AKG P120 and P220 condenser microphones, covering features, setup, operation, cleaning, troubleshooting, and technical specifications for studio, broadcast, and live sound applications.</p>