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› [AKG](#) /

› [AKG D112 MkII Professional Bass Drum Microphone User Manual](#)

AKG D112 MKII

AKG D112 MkII Professional Bass Drum Microphone User Manual

Model: D112 MKII

INTRODUCTION

The AKG D112 MkII is a professional dynamic bass drum microphone, renowned for its high SPL capability, punchy EQ, and robust construction. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your microphone to ensure optimal performance.



Figure 1: Side view of the AKG D112 MkII microphone, showcasing its integrated flexible mount and robust design.

SETUP

Proper setup is crucial for achieving the best sound quality from your D112 MkII microphone.

1. Unpacking and Inspection

- Carefully remove the microphone and included accessories (built-in swivel mount, windscreen) from its packaging.
- Inspect the microphone for any visible damage.

2. Mounting the Microphone

The D112 MkII features an integrated flexible mount for easy positioning.

- Attach the microphone to a standard microphone stand using the integrated mount.
- Adjust the angle and position as needed for the sound source.



Figure 2: Front view of the AKG D112 MkII, showing the microphone grille and the AKG logo.

3. Connecting to Equipment

- Connect a balanced XLR cable (not included) to the microphone's 3-pin male XLR output.
- Connect the other end of the XLR cable to an audio interface, mixer, or preamplifier.
- Ensure all connections are secure before powering on any equipment.



Figure 3: The AKG D112 MkII microphone mounted on a stand and connected via an XLR cable, demonstrating typical setup.

OPERATING THE MICROPHONE

The D112 MkII is a dynamic microphone and does not require phantom power. Its design is optimized for low-frequency sound sources.

1. Recommended Applications

- **Bass Drums:** Position the microphone inside or outside the bass drum for a powerful and solid low-end response.
- **Electric Bass Cabinets:** Ideal for capturing the full range of electric bass tones.
- **Trombones:** Suitable for miking trombones, providing clear and rich sound.

2. Sonic Characteristics

- **High SPL Capability:** Can handle sound pressure levels exceeding 160 dB without distortion, making it suitable for loud instruments.
- **Punchy EQ:** Features a large diaphragm with a low resonance frequency for a solid low-end, complemented by a narrow-

band presence boost at 4 kHz for impactful sound.

- **Hum-Compensation Coil:** An integrated coil minimizes noise, ensuring a clean signal.
- **Polar Pattern:** Cardioid, providing excellent off-axis rejection and focusing on the sound source directly in front of the microphone.

MAINTENANCE

To ensure the longevity and optimal performance of your AKG D112 MkII, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the microphone body. Avoid using liquid cleaners or solvents, as they may damage the finish or internal components.
- **Storage:** Store the microphone in a protective case when not in use to prevent dust accumulation and physical damage.
- **Handling:** Despite its robust construction, avoid dropping or subjecting the microphone to excessive force.
- **Environmental Conditions:** Keep the microphone away from extreme temperatures, high humidity, and direct sunlight.

TROUBLESHOOTING

If you encounter issues with your AKG D112 MkII, consider the following common problems and solutions:

- **No Sound Output:**
 - Check all XLR cable connections to ensure they are secure at both the microphone and the input device (mixer, interface).
 - Verify that the input channel on your mixer or interface is selected and its gain is appropriately set.
 - Ensure the input device is powered on.
- **Low or Weak Sound:**
 - Increase the gain on your mixer or audio interface.
 - Ensure the microphone is positioned correctly relative to the sound source. For bass drums, ensure it's not too far from the head or inside the drum.
 - Check the XLR cable for damage; try a different cable if available.
- **Unwanted Noise or Hum:**
 - The D112 MkII has an integrated hum-compensation coil. If hum persists, check for ground loops in your audio system.
 - Ensure all cables are properly shielded and not running parallel to power cables.
 - Test with different cables and input channels to isolate the source of the noise.
- **Distorted Sound:**
 - While the D112 MkII handles high SPL, ensure the input gain on your mixer or interface is not set too high, causing clipping.
 - Move the microphone slightly further away from extremely loud sound sources if distortion occurs.

SPECIFICATIONS

Feature	Detail
Audio Frequency Bandwidth	20 to 17000 Hz
Sensitivity	1.8 mV/Pa

Electrical Impedance	210 Ohms
Recommended Load Impedance	2000 Ohms
Polar Pattern	Cardioid (Unidirectional)
Audio Output Type	Balanced XLR, 3-pin Male
Dimensions (L x H x D)	115 mm x 126 mm x 70 mm (approx. 4.7 x 5.9 x 2.8 inches)
Net Weight (microphone only)	300 g (approx. 0.66 lbs)
Color	Black
Included Components	Built-in swivel mount, windscreen

WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official AKG website or contact AKG customer service directly. Warranty terms may vary by region and retailer.

You can visit the [AKG Store on Amazon](#) for more product information and resources.

