AUDIX D6

AUDIX D6 Cardioid Dynamic Microphone

Instruction Manual

Introduction

The AUDIX D6 is a cardioid dynamic microphone engineered for capturing the sound of kick drums and bass instruments. Its design focuses on delivering a clear, powerful, and undistorted low-frequency response, making it a preferred choice for both live performances and studio recordings.

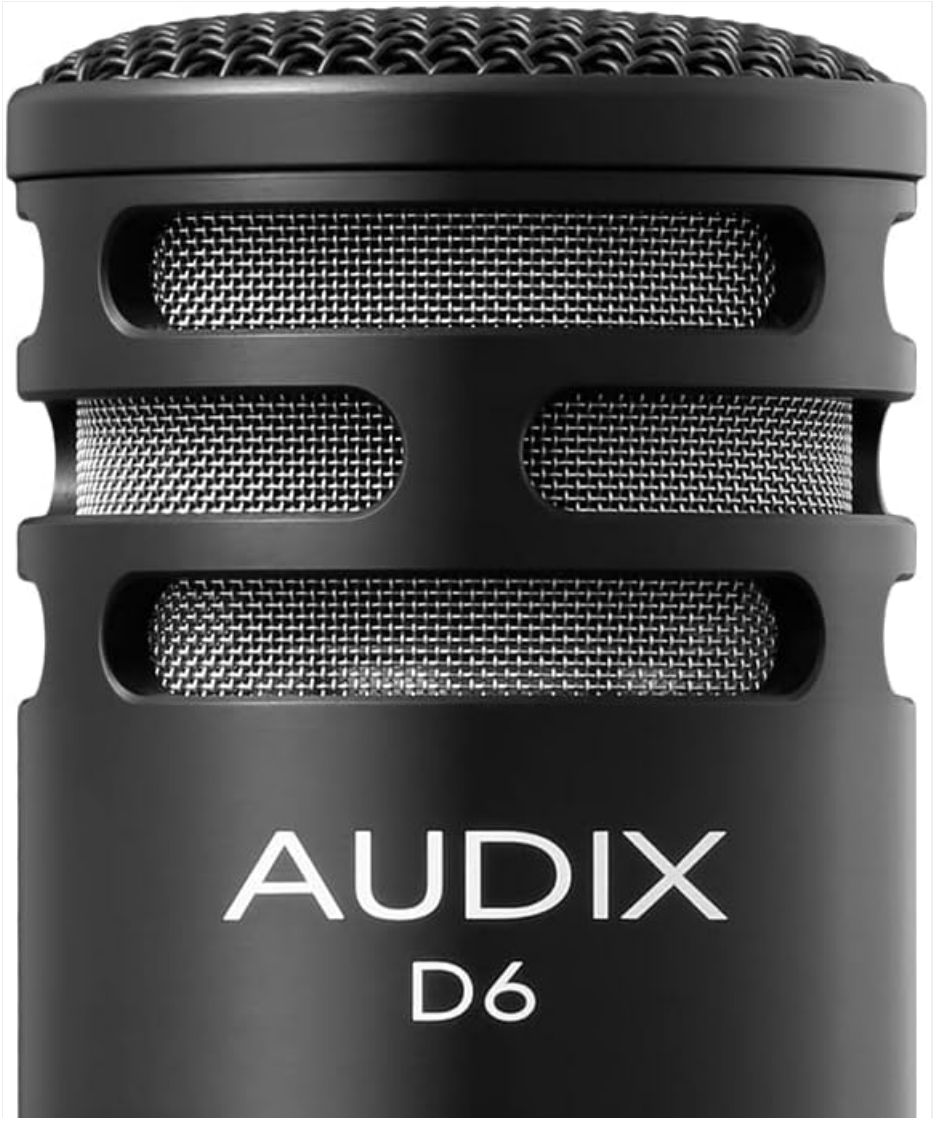

Image: The AUDIX D6 Cardioid Dynamic Microphone, showcasing its robust design.

Key Features

- **Ultimate Kick Drum Microphone:** Specifically designed to capture the pure and undistorted sound of kick drums.
- **Cardioid Pickup Pattern:** Effectively rejects off-axis sounds, ensuring focused and accurate sound reproduction.
- **Swift Response:** Equipped with a Very Low Mass (VLM) diaphragm for quick response to transients, capturing the attack and character of instruments.
- **Deep and Earthshaking Lows:** Features a frequency response of 30Hz to 15kHz, emphasizing low-end frequencies for powerful bass sounds.
- **Versatile Low-Frequency Capture:** Suitable for other low-frequency instruments like bass cabinets, offering flexibility in sound capture.

Setup Instructions

1. **Unpacking:** Carefully remove the AUDIX D6 microphone and its accessories (microphone clip, carrying pouch) from the packaging.
2. **Mounting:** Attach the provided microphone clip to a standard microphone stand. Securely fasten the D6 microphone into the clip.
3. **Connection:** Connect a standard XLR cable (not included) to the microphone's XLR output. Connect the

other end of the XLR cable to your mixer, audio interface, or preamplifier. Ensure phantom power is *not* engaged, as the D6 is a dynamic microphone and does not require it.

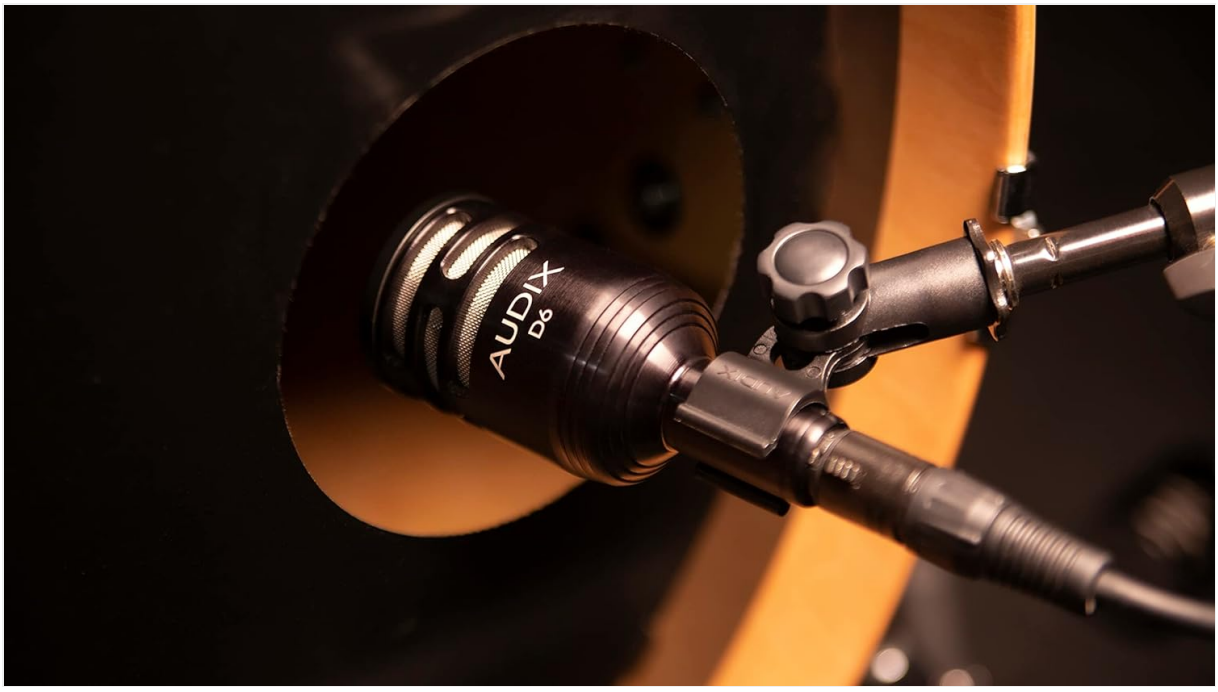

Image: The AUDIX D6 microphone shown with its included carrying pouch and microphone clip.

Operating Instructions

The AUDIX D6 is optimized for low-frequency sound sources. Proper placement is crucial for achieving the best sound.

- **Kick Drum Placement:** For optimal kick drum sound, place the microphone inside the kick drum, aiming towards the beater for more attack, or towards the shell for more resonance. Experiment with distance from the drum head and angle to achieve the desired tone. The cardioid pattern helps isolate the kick drum sound from other instruments.

Image: AUDIX D6 microphone positioned inside a kick drum, illustrating typical placement for capturing drum sound.

- **Bass Instrument Placement:** When miking bass cabinets, position the D6 close to the speaker cone, either on-axis or slightly off-axis, to capture the full low-end and clarity. The microphone's extended low-frequency response is ideal for bass.
- **Polar Pattern:** The D6 features a cardioid polar pattern, which means it is most sensitive to sounds coming from directly in front of it and rejects sounds from the sides and rear. This helps minimize bleed from other instruments in live or studio environments.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the microphone body. For the grille, a soft brush can be used to gently remove dust or debris. Avoid using liquid cleaners or solvents, as these can damage the microphone.
- **Storage:** When not in use, store the D6 in its provided carrying pouch to protect it from dust, moisture, and physical damage.

Troubleshooting

- **No Sound:**
  - Check all cable connections (XLR cable securely connected at both ends).
  - Ensure the mixer/interface input gain is set appropriately.
  - Verify that phantom power is *not* activated for the dynamic D6 microphone.
  - Test with a different XLR cable or input channel if possible.
- **Poor Sound Quality (Distortion, Weak Signal):**
  - Adjust the input gain on your mixer/interface. Too high gain can cause distortion, too low can result in a weak signal.
  - Check microphone placement. Moving the microphone too close to a sound source can cause proximity effect (excessive bass boost).
  - Ensure the microphone is correctly oriented towards the sound source.
  - Inspect the microphone grille for any obstructions.

Specifications

Feature	Detail
Brand	AUDIX
Model Name	D6
Connectivity Technology	XLR
Connector Type	XLR
Special Feature	30Hz–15kHz frequency, Dynamic Microphone, Maximum SPL of 144dB
Compatible Devices	Radio, Amplifier, Speaker
Color	Black
Included Components	Microphone
Polar Pattern	Unidirectional (Cardioid)
Audio Sensitivity	144 Decibels
Impedance	200 Ohms
Microphone Form Factor	Microphone Only
Power Source	Corded Electric
Signal-to-Noise Ratio	85 dB
Frequency Response	30 Hz - 15 KHz
Enclosure Material	Aluminum, Nylon
Item Weight	0.93 Pounds
Item Dimensions	8.85 x 4.4 x 2.7 inches

Feature	Detail
Model Number	D-6B

Warranty Information

The AUDIX D6 microphone comes with a **1-year warranty**. For specific terms and conditions, please refer to the official AUDIX warranty documentation or contact AUDIX customer support.

Support

For further assistance, technical support, or service inquiries regarding your AUDIX D6 microphone, please visit the official AUDIX website or contact their customer service department through the contact information provided on their website.