

M3DK

TRI-ELEMENT HANGING CEILING MICROPHONE KIT



OVERVIEW

The M3DK is a convenient kit that pairs the Audix M3 hanging ceiling microphone with the Audix DN43 Dante | AES67 microphone interface, providing a simple to install, network-ready way to stream Audix audio performance through Ethernet networks.

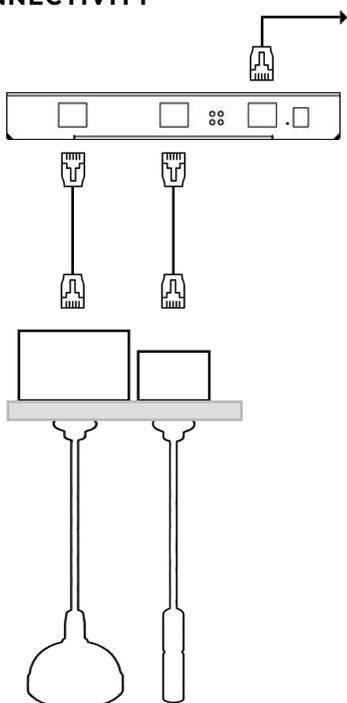
The M3 is an innovative, tri-element hanging microphone designed for applications where aesthetics, sound quality, and ease of installation are critical. The frequency response and polar pattern of its three phase-coherent hypercardioid capsules are tailored for voice clarity and rejection of extraneous noise. Gold diaphragm condenser capsules deliver studio quality sound.

The Audix DN43 interface features one microphone port engineered exclusively for the Audix M3 tri-element microphone and one port for Audix RJ45-equipped single-element microphones. Each channel has selectable, independently controlled pre-amp gain, as well as low- and high-pass filters. It features balanced audio inputs with RFI filtering and delivers high-fidelity 24-bit, 48KHz audio

DANTE MADE SIMPLE - BY AUDIX

The M3DK is designed exclusively for the Audix Dante | AES67 Integrated Microphone System, which delivers high-quality audio and all microphone functions — including on-off contact closure and LED status indicators — through a single CAT5 - CAT7 cable with RJ45 connections at both interface and microphone. This simple configuration eliminates wiring errors, accelerates installation, and reduces cost. And like all Audix microphones in the system, the gain structure is optimized for its intended placement, providing quality audio at the DSP. The result is true plug-and-play installation.

SINGLE CABLE CONNECTIVITY



M3 FEATURES

- 100% RF shielding and immunity
- Very high output, low self-noise
- Frequency and pattern tailored for voice clarity and rejection of extraneous noise
- Evenly dispersed sound with undetectable phase
- High-quality silicone jacketed microphone cable with adjustable length and position
- TAA compliant
- Easy to install

DN43 FEATURES

- Balanced audio inputs with RFI filtering
- High-fidelity 24-bit, 48KHz audio
- Each channel has selectable pre-amp gain, as well as low- and high-pass filters
- Two 5V logic outputs per port, with source/sink capability, for LEDs, if mic is so equipped
- One logic input per single-element microphone port for buttons
- 48V phantom power output
- PoE from any IEEE 802.3af compliant equipment
- Dante Domain Manager (DDM) ready
- Evaluated to the requirement of UL2043 and is suitable for use in above-ceiling applications

APPLICATIONS

- Zone Capture
- Video Conferencing
- Distance Learning
- Hospital and medical procedure
- Courtroom
- Ambient room miking

AUDIX®

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MODEL VARIATIONS

- M3WDK - M3 microphone with white finish
- M3GDK - M3 microphone with gray finish

SUPPLIED ACCESSORIES

- 3 ft. plenum-rated CAT6A shielded cable
- (2) 1.56mm/0.063 inch seismic and fire cable restraint

M3 SPECIFICATIONS*

| | |
|---------------------------|--------------------------|
| Type | Condenser |
| Polar Pattern | Hypercardioid |
| Frequency Response | 30 Hz - 19kHz (Tailored) |
| Impedance | 150 Ohms |
| Sensitivity | 34 mV / Pascal @ 1k |

DN43 SPECIFICATIONS*

| | |
|-----------------------------------|--|
| Max Input (0dB gain) | -14 dBu, 155 mV |
| Input Impedance (balanced) | 1.15 k Ω |
| Frequency Response | 15Hz - 22kHz, +0, -3 dB |
| Channel Crosstalk (1 kHz) | < -80 dB |
| Dante™ / AES67 Channels | 4 |
| Low-pass Options | Off, 5 kHz, 7 kHz, 10 kHz |
| High-pass Options | 15 Hz, 238 Hz |
| Gain Options | 0 dB, +8 dB, +12 dB, +15 dB, +18 dB, +24 dB, 30 dB, +36 dB |
| Power | |
| External DC Jack | +48VDC, 125 mA |
| PoE (IEEE 802.3af) | CLASS 2 (3.84 - 6.49 W) |

*For complete M3 and DN43 specifications, see their individual spec sheets.