

# M70WD

## FLUSH-MOUNT CEILING MICROPHONE

### OVERVIEW

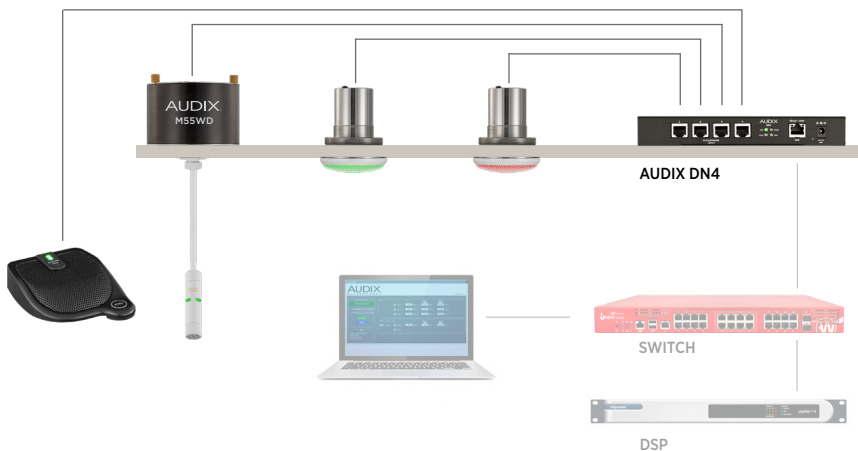
The M70WD is a steerable, flush-mount condenser microphone designed for distance miking in a variety of applications, including video conferencing, distance learning, hospital rooms, surveillance, and ambient room miking. The flush-mount configuration and a footprint of only three inches in diameter allow the M70WD to virtually disappear.

The M70WD capsule is housed within a patented cradle that allows the microphone to be aimed up to an angle of 45 degrees. Other features include a fully integrated preamp and an extremely high sensitivity rating of 38 millivolts. In addition, the M70WD has complete immunity from RF interference caused by cell phones and GSM devices. Installing the M70WD requires just one 2-inch hole in the ceiling, with no additional tools needed.

### DANTE MADE SIMPLE BY AUDIX

The M70WD 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 use, providing quality audio at the DSP. The result is true plug-and-play installation.

### SINGLE-CABLE CONNECTIVITY



### FEATURES

- High output for distance miking
- Aimable up to a 45-degree angle
- Miniaturized integrated preamp circuitry
- Immunity from RF interference
- 12 mm gold vapor diaphragm
- Two-color LED status indicator
- RJ45 connectors for plug-and-play integration with the Audix Dante-AES67 Integrated Microphone System
- No external power adaptor required
- Designed, assembled, and tested by Audix in the USA
- 3-year warranty

### APPLICATIONS

- Video teleconferencing (VTC)
- Distance learning
- Surveillance
- Hospital and medical procedures
- Ambient room miking

## SUPPLIED ACCESSORIES

- 1.56 mm / 0.063 inch seismic and fire cable restraint

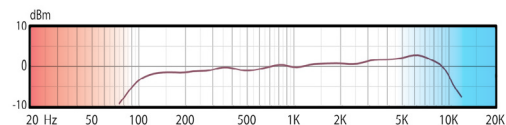
## ARCHITECT & ENGINEER SPECIFICATION

The microphone shall be of the condenser type with a cardioid polar pattern. The microphone shall be protected from RF interference. The microphone shall have a fully integrated preamp circuitry thereby eliminating the need for a remote preamplifier module. The microphone shall have a two-color LED status indicator. The microphone shall operate on 18-52 Volts DC and the nominal output impedance shall be equal to 150 ohms at 1 kHz. The microphone shall have a sensitivity of 38 mV / Pa at 1 kHz. The microphone shall have a maximum SPL level of  $\geq 130$  dB with THD of 0.5%. The microphone shall be machined out of brass, aluminum and the dimensions shall be 65 mm in diameter. The microphone shall have the ability to be aimed and rotated within a radius of 60 degrees. The microphone shall be housed within a module which will conceal and protect wiring from the microphone and the terminal connectors. The microphone shall have a two-color LED status indicator. The microphone shall terminate in an RJ45 connector. The microphone shall be the Audix M70WD.

## SPECIFICATIONS

<b>Transducer Type</b>	Condenser
<b>Frequency Response</b>	60 Hz - 10 kHz
<b>Polar Pattern</b>	Cardioid
<b>Output Impedance</b>	150 ohms
<b>Sensitivity</b>	38 mV / Pa @ 1k
<b>Signal to Noise Ratio</b>	72 dB
<b>Equivalent Noise Level</b>	22 dB
<b>Maximum SPL</b>	$\geq 130$ dB
<b>Dynamic Range</b>	108 dB
<b>Power Requirements</b>	18 - 52V phantom
<b>Connector</b>	RJ45
<b>Recommended Cable</b>	CAT5, CAT5e, CAT6, CAT6a, or CAT7
<b>Materials / Finish</b>	Brass, Aluminum and steel / white

## FREQUENCY RESPONSE



## POLAR PATTERNS

