M55WD

HANGING CEILING MICROPHONE

OVERVIEW

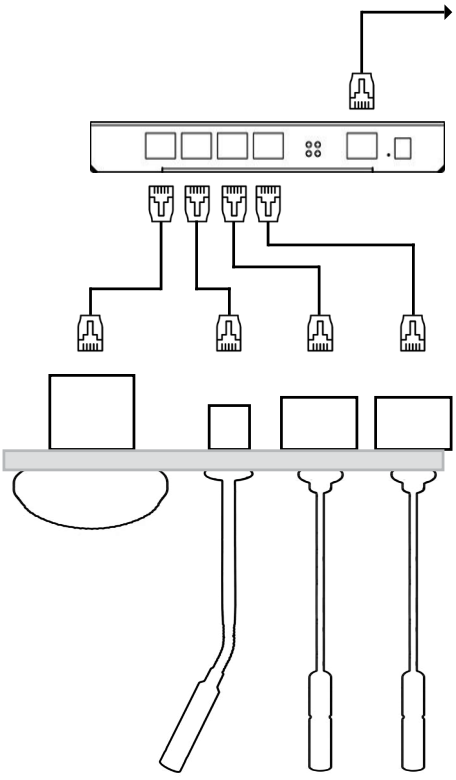
The M55WD is an innovative, hanging ceiling microphone system designed for applications where aesthetics, sound quality, and ease of installation are critical. All electronics are fully integrated with high sensitivity and low noise. The signal output is balanced to eliminate RF interference caused by cell phones and mobile devices.

Installing the M55WD requires just one 5/8-inch hole in the ceiling, with no additional tools needed. The M55WD's mounting hardware easily adjusts the hanging height up to four feet from the ceiling surface without removing ceiling tiles and allows for fingertip height adjustment and rotation control. An optional aiming clip (MCHANGER) easily makes any additional angular adjustments.

DANTE MADE SIMPLE – BY AUDIX

The M55WD 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 allows distance miking
- Optimized for voice recognition
- Low-noise preamp circuitry
- Immunity from RF interference
- 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
- Boardrooms
- Surveillance
- Hospital and medical procedures
- Ambient room miking

AUDIX®

SUPPLIED ACCESSORIES

- 1.56 mm / 0.063 inch seismic and fire cable restraint

OPTIONAL ACCESSORIES

- MCHANGER - Clear plastic clip to adjust microphone angle
- WS20W - White foam windscreen to reduce wind noise

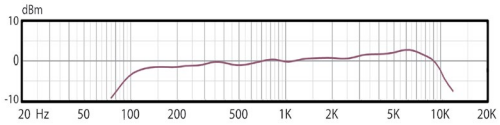
ARCHITECT & ENGINEER SPECIFICATION

The microphone shall be of the condenser type with a modular threaded capsule available in cardioid, hypercardioid, omnidirectional and supercardioid polar patterns. 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 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 (C), 32 mV (HC), 40 mV (O), 60 mV (S) / Pa at 1 kHz. The microphone shall have a maximum SPL level of ≥ 130 dB with THD of 0.5%. 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 machined out of brass and the dimensions shall be 12 mm in diameter. The microphone shall be the Audix M55WD.

SPECIFICATIONS

Transducer Type	Condenser
Frequency Response	60 Hz - 10 kHz
Polar Pattern	Cardioid
Output Impedance	150 ohms
Sensitivity	38 mV (C) / Pa @ 1k
Equivalent Noise Level	22 dB (A-weighted)
Signal to Noise Ratio	72 dB
Equivalent Noise Level	22 dB
Maximum SPL	≥130 dB
Dynamic Range	108 dB
Power Requirements	18 - 52V phantom
Connector	RJ45
Recommended Cable	CAT5, CAT5e, CAT6, CAT6a, or CAT7
Materials / Finish	Aluminum and zinc alloy / white finish
Weight	70 g / 2.4 oz (Mic & Cable) 499 g / 17.6 oz (Junction Box & Safety Cable)

FREQUENCY RESPONSE



POLAR PATTERN

CARDIOID