

M70

HIGH OUTPUT FLUSH CEILING MIC

OVERVIEW:

The M70 is an innovative flush mount condenser microphone designed for distance miking. Featuring a fully integrated preamp, extremely high sensitivity rating of 38 millivolts, and a small footprint of only 3 inches in diameter. The M70 applications include ceiling mount for video conferencing, distance learning, hospital rooms, surveillance, and ambient room miking. The M70, which offers a flush mount solution and easy installation, allows the microphone to completely disappear from view without sacrificing sound quality.

The M70 capsule is housed within a proprietary machined cradle that enables the microphone to be aimed and focused up to an angle of 45 degrees towards the source. In addition, the M70 has complete immunity from RF interference caused by cell phones and GSM devices.

The M70 terminates in a Phoenix connector and is easy to install, requiring only that a 2 inch hole to be drilled with no additional tools necessary. The M70 comes in stock white and is also available in a satin nickel finish.

SUPPLIED ACCESSORIES:

1' integrated mic cable terminating with Phoenix connector (CONN170F).
The mating Phoenix connector (CONN170M) is also provided for easy solderless connection.
JBM70 - Metal Safety Junction Box to house connectors and plenum rated cable where required by code.

MODEL VARIATIONS:

M70N - Satin nickel finish
M70W - White finish



FEATURES:

- High output for distance miking
- Optimized for voice recognition
- Immunity from RF interference
- Operates on 18-52 volts phantom power
- Point and shoot directivity
- Miniaturized integrated preamp circuitry
- No external power adapter needed
- 12 mm gold vapor diaphragm
- Extremely low noise, high sensitivity

APPLICATIONS:

- Video Conferencing
- Distance Learning
- Surveillance
- Hospital and Medical Procedures
- Ambient Room Miking

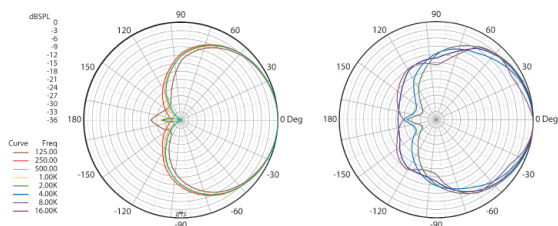
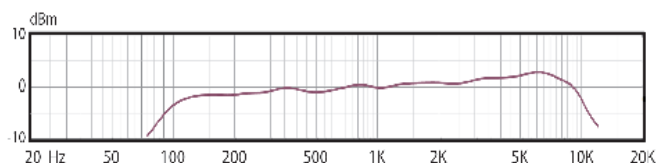


Side View

Front View

SPECIFICATIONS:

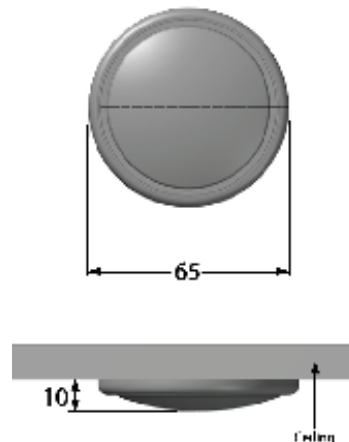
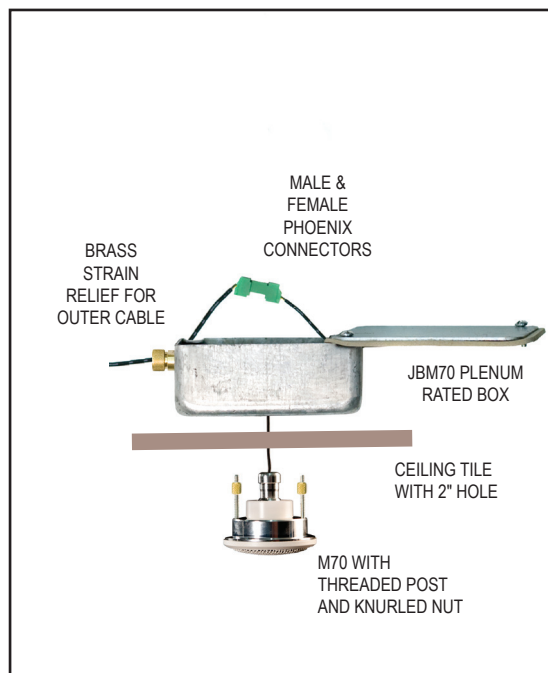
Transducer Type	Condenser
Frequency Response	60 Hz - 10 kHz
Polar Pattern	Cardioid
Output Impedance	150 ohms
Sensitivity	38 mV / Pa @ 1k
Signal/Noise Ratio (A-weighted)	72 dB
Equivalent Noise Level (A-weighted)	22 dB
Maximum SPL @ .5% THD	≥130 dB
Dynamic Range	108 dB
Power Requirements	18 - 52 V phantom
Connector	Phoenix Connector
Polarity	Positive pressure on diaphragm produces positive voltage on pin 2 relative to pin 3
Housing / Finish	Brass, Aluminum and Steel White or Nickel

FREQUENCY / POLARS:**ARCHITECTS AND ENGINEERS SPECIFICATIONS:**

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 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 ≥130 dB with THD of 0.5%. The microphone shall be machined out of brass and aluminum and the dimensions shall be 65 mm in diameter by 10 mm in depth. The microphone shall have the ability to be aimed and rotated within a radius of 60 degrees. The microphone shall be housed within a plenum rated junction box which will conceal and protect wiring from the microphone and the terminal connectors. The microphone shall be the Audix M70.

OPERATION:

The M70W is a low impedance microphone and should be plugged into a "mic level" input on your console, mixer, or recording device. The M70 requires phantom power and will NOT operate without phantom power voltage (18-52 Volts) which is available on most professional mic preamps and mixing devices. If phantom power is not available on your equipment, you will have to procure a phantom power supply (such as the Audix APS2). Avoid plugging or unplugging the microphone into or out of the audio system unless the channel is muted or the volume of the system turned down. Failure to do so may result in a loud "popping" noise which could seriously damage the speakers in the sound system.

DIMENSIONS (MM):**EXPLODED VIEW:**

***All specifications subject to change without notice.

SERVICE AND WARRANTY:

This microphone is under warranty for a period of 3 years from any and all manufacturing defects. Should your microphone fail in any way, please contact the Audix Service department at 503-682-6933. A Return Authorization number is required before returning any products.

CARE AND MAINTENANCE:

The M70W is manufactured to exacting specs with roadworthy construction. However, the capsule is highly sensitive and should be handled with care. Moisture of any kind can adversely affect the sound and performance of your microphone.



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