

M65 Tabletop Installed Microphone

OVERVIEW

The M65 is an innovative tabletop microphone system designed for applications where aesthetics, sound quality, and ease of installation are critical. The M65 is an excellent alternative to a standard gooseneck microphone for government, courtroom, boardroom, video teleconferencing (VTC), distance learning, house of worship and hospitality applications.

The M65 features the Micros™ hypercardioid condenser capsule with solid brass rigid tube construction, black nickel plating, and a unique pivoting swivel mount that provides a much quieter and smoother motion than conventional gooseneck microphones. All electronics are fully integrated preamp circuitry with high sensitivity and low noise. The signal output is balanced to eliminate RF interference caused by cell phones and mobile devices. The rigid tube design helps to provide uniform placement and gain structure when multiple mics are deployed, such as in legislative applications. When not in use, the M65 can be simply laid horizontally for an unobstructed view. Built to withstand daily use, the M65 also comes with an attached foam windscreen to reduce plosives.

Installing the M65 requires drawing and drilling one 1 ¼" hole and three ⅛" holes into a surface, with no additional tools needed. The M65's mounting hardware easily secures the microphone in place.

All M65 microphones are manufactured in a black nickel-plated finish with 8 ft. cable terminating in terminal block connectors. Both male and female terminal block connectors are provided.

SUPPLIED ACCESSORIES

Rigid tube microphone assembly
Field-replaceable windscreen with thread on adapter
3 x mounting screws
Specification sheet with mounting instructions
3-pin Phoenix type connectors

OPTIONAL ACCESSORIES

LCB1 - discreet button designed to remotely control the on-off functions of a microphone



LCB1



FEATURES

- Optimized for speech
- Unique pivoting swivel mount technology
- Immunity from RF interference
- Low noise preamp circuitry
- Designed, machined, assembled, and tested in the USA
- 3-year warranty

APPLICATIONS

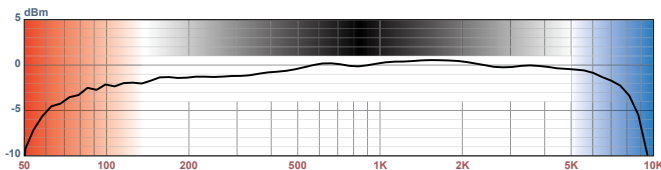
- Government
- Courtroom
- Boardrooms
- Video teleconferencing (VTC)
- Distance learning

M65

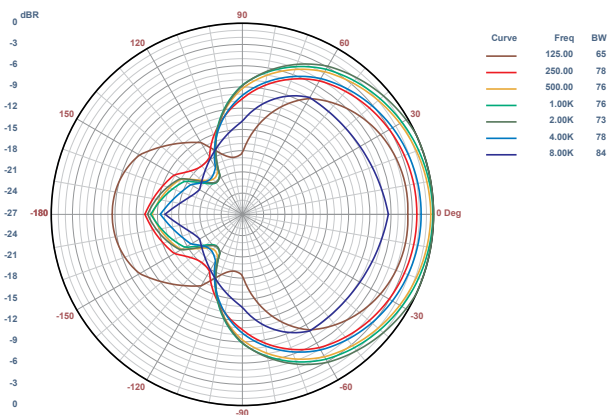
SPECIFICATIONS

Transducer Type	Condenser
Frequency Response	60 Hz - 10 kHz
Polar Pattern	Hypercardioid
Output Impedance	150 ohms
Sensitivity	32 mV
Equivalent Noise Level	22 dB (A-weighted)
Signal to Noise Ratio	72 dB
Maximum SPL	≥130 dB
Dynamic Range	108 dB
Power Requirements	18 - 52 V phantom
Connector	Terminal block connector
Polarity	Positive pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 of output XLR connector
Materials / Finish	Brass / black nickel finish
Weight	370 g / 13 oz
Length	456 mm / 14 in

FREQUENCY AND POLAR RESPONSE



- **Low Frequency Noise**
Frequencies below 70 Hz minimized in order to reduce boominess, hum, rumble, table noises, HVAC, ambient interference.
- **Ideal for Vocal Clarity and Voice Recognition**
Frequencies between 200 Hz - 1kHz are optimized for speech.
- **High Frequency Noise**
Frequencies above 9 kHz minimized in order to reduce unwanted noise from paper shuffling, keyboards, HVAC, fan noise, ambient interference.



ARCHITECT AND ENGINEER SPECIFICATIONS

The microphone shall be of the condenser type with a hypercardioid polar pattern. The microphone shall be protected from RF interference. The microphone shall have a rigid tube construction with pivoting swivel mount design. 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 32 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 the dimensions shall be 50 mm in diameter (base) by 356 mm in length, including a 12 mm wide mic. The microphone shall be the Audix M65.

OPERATION AND MAINTENANCE

The M65 is a low impedance microphone and should be plugged into a mic level input on the console, mixer, or recording device. The M65 requires phantom power (18-52 V), which is available on most professional mic preamps, mixing devices and digital signal processors. If phantom power is not available, use an external phantom power source such as the Audix APS2. Avoid plugging the microphone into or removing it from the audio system unless the channel is muted or the relevant faders are turned down.

Further miking techniques may be found at www.audixusa.com.

