M44 MINIATURE CONDENSER MICROPHONE

OVERVIEW

The M44 is a miniaturized condenser microphone with a fully integrated preamp and detachable cable. This microphone is designed for close miking instruments and sound effects with high SPLs. The microphone has the unique ability to be used in a wide variety of live, studio and broadcast applications. A variety of clips and accessories enable the microphone to be used for drums and percussion. It has a precision machined brass body, interchangeable capsules, black multi-layer class 'A' liquid finish and gold plated XLR connector. The M44 is manufactured to exacting standards and tight tolerances.

MODEL VARIATIONS

M44 - Cardioid capsule
M44HC - Hypercardioid capsule

SUPPLIED ACCESSORIES

CBLM25 - 25'cable with mini-XLRf - XLRm connectors
DCLAMPMICRO - Lug mount adapted for hand percussion instruments with shockmount ring
DVICEMICRO - Drum rim mount attachment with shockmount ring
WS10 - External foam windscreen
P1 - Carrying pouch

OPTIONAL ACCESSORIES

SMTMICRO - Stand adapter with rubber insulated shockmount
MCMICRO - Mic stand adapter
WS1218 - Heavy duty external foam windscreen

FEATURES

- Small, lightweight, low profile
- Miniaturized integrated preamp circuitry
- No external power adapter needed
- 12 mm gold vapor diaphragm
- Extremely low noise, high SPL handling
- Designed, assembled, manufactured & tested in the USA
- 3 year warranty

APPLICATIONS

- Cymbals
- Percussion
- Brass
- Drums
- Sound Effects


CBLM25


DCLAMPMICRO


DVICEMICRO

P1

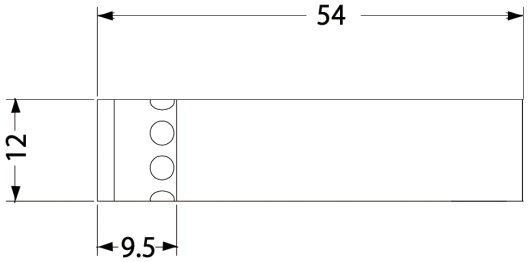

SMTMICRO


MCMICRO

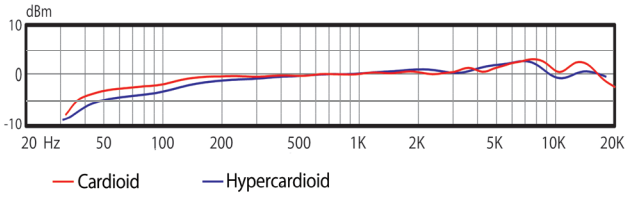
SPECIFICATIONS

Transducer	Condenser
Frequency Response	50 Hz - 19 kHz
Polar Pattern	Cardioid, Hypercardioid
Output Impedance	150 ohms
Sensitivity	1.5 mV / Pa @ 1k
Signal/Noise Ratio	69 dB
Equivalent Noise Level	25 dB (A-weighted)
Maximum SPL	≥150 dB
Dynamic Range	125 dB
Power Requirements	18 - 52 V
Connector	3 pin mini-XLRm
Materials / Finish	Machined brass / Black Finish
Weight	20 g / 0.7 oz
Length	54 mm / 2.1 in

DIMENSIONS (mm)

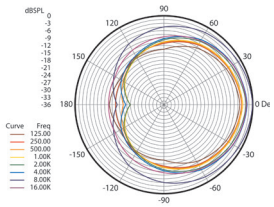


FREQUENCY RESPONSE

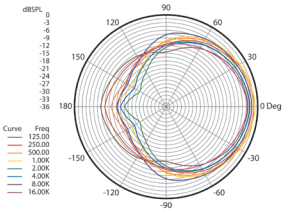


POLAR PATTERNS

Cardioid



Hypercardioid



ARCHITECT AND ENGINEER SPECIFICATIONS

The microphone shall be of the condenser type with a modular threaded capsule available in cardioid and hypercardioid polar patterns. The microphone shall have a fully integrated preamp circuitry thereby eliminating the need for a remote preamplifier. 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 at of 3 mV / Pa at 1 kHz. The microphone shall have a maximum SPL level of ≥150 dB with THD of 0.5% and the microphone shall be machined out of brass and the dimensions shall be 12 mm in diameter by 54 mm in length. The microphone shall be the Audix M44.

OPERATION

The M44 is a low impedance microphone and should be plugged into a "mic level" input on your console, mixer or recording device. The M44 requires phantom power and will NOT operate without phantom power voltage (48 Volts recommended) which is available on most professional mic preamps and mixing devices. If phantom power is not available on your equipment, use a phantom power supply such as the Audix APS2. Avoid plugging or unplugging the microphone from a PA 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 PA system, studio monitors or headphones.

USER TIPS

The M44 is designed with extremely low sensitivity and very high sound pressure capabilities, is ideally suited for close miking loud instruments such as drums, percussion, brass and sound effects.

Polar pattern: The M44 is offered in 2 different polar patterns to help you achieve optimum results.

Cardioid: The cardioid pattern is the most widely used as it offers a good balance between the sound of the instrument or voice within the context of the room or venue. The cardioid pattern is also helpful with resistance to feedback. The working range will depend on the sound pressure levels produced by the instrument, but in general the mic should be within 1-2 inches of the sound source.

Hypercardioid: This pattern may be used to achieve the optimum amount of feedback control and isolation, which can be valuable on a loud stage or where there are a large number of open microphones.

Further miking techniques may be found on our website at www.audixusa.com.

PRODUCT REGISTRATION: Please register your product online at www.audixusa.com/docs_12/about/product_registration.shtml.
SERVICE AND WARRANTY: This microphone is under warranty for a period of 3 years to be free of defects in material and workmanship. In the event of a product failure due to materials or workmanship, Audix will repair or replace said product at no charge with proof of purchase. Audix does not pay or reimburse shipping costs for warranty repairs or returns. The warranty excludes any causes other than manufacturing defects, such as normal wear, abuse, environmental damage, shipping damage or failure to use or maintain the product per the supplied instructions. No Implied Warranties: All implied warranties, including but not limited to implied warranties of merchantability and fitness for a particular purpose are hereby excluded. The liability of Audix, if any, for damages relating to allegedly defective products shall be limited to the actual price paid by Dealer for such products and shall in no event include incidental or consequential damages of any kind. Should your microphone fail in any way, please contact the Audix Service department at 503.682.6933. A Return Authorization is required before returning any product. OTHER THAN THIS WARRANTY, AUDIX MAKES NO WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE PRODUCTS, THE USE OF THE PRODUCTS, THE PERFORMANCE OF THE PRODUCTS. AUDIX SHALL NOT BE LIABLE FOR SPECIAL INCIDENTAL, CONSEQUENTIAL, INDIRECT OR SIMILAR DAMAGES ARISING FROM OR BASED ON THE SALE, USE, STORAGE OR DISPOSAL OF THE PRODUCTS, AUDIX'S SERVICE WORK, BREACH OF WARRANTY, BREACH OF CONTRACT. NEGLIGENCE, OR ANY OTHER THEORY OF LIABILITY, EVEN IF AUDIX HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

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