

# MG12, MG15, MG18 CONDENSER MICROPHONES

## OVERVIEW:

The MG12, MG15, and MG18 are professional miniature gooseneck condenser microphones designed for applications such as podium, presentation, meetings and teleconferencing. Known for their clarity, excellent sound quality and ease of operation, the MG12/15/18 have the ability to accurately capture and reproduce vocals from a comfortable distance.

The MG12/15/18 are characterized with a uniformly controlled cardioid polar pattern, helping to isolate the speaker from other ambient noise in the room or on the stage. The MG12/15/18 gooseneck mics are also available in a hypercardioid polar pattern for tighter pattern control (see models below). With a wide frequency range of 60 Hz - 19 kHz, the MG12/15/18 provide natural sound with exceptional transient response.

The MG12/15/18 gooseneck system is equipped with a sophisticated dual preamp circuitry – one circuit located in the capsule housing and the other circuit built into the base of the XLR. This circuitry is internally balanced, insuring that the audio path will be isolated from hum and noise. In addition, the circuitry employs protection from RF and spurious emissions from cell phones and wireless GSM devices.

The goosenecks may be mounted with the supplied flange mount (TM1218) or with an optional base with an internal shockmount (SMT1218R). The mics may also be used on a standard mic stand or in conjunction with the Audix ATS-10 table stand with lighted on-off switch.

Manufactured with very high standards and tight tolerances, the MG12/15/18 features a machined brass body, field replaceable capsule, replaceable electronics, and a variety of optional accessories. The MG12/15/18 operate on phantom power of 18 - 52 Volts and are available in non-reflective black matte finish.

## SUPPLIED ACCESSORIES:

Flange table mount (TM1218)  
External foam windscreen (WS21218)

## OPTIONAL ACCESSORIES:

ATS-10 - Table stand  
SMT1218R - Rubber insulated shockmount  
DCLIP- Mic stand adapter  
APS-2 - Two-channel phantom power supply



## FEATURES:

- Natural accurate sound
- Modular threaded capsule(s)
- Low noise electronics, dual circuitry, internally balanced
- RF Immunity
- Low profile design
- Tension fit design for stable positioning

## APPLICATIONS:

- Pulpit, podium
- Board meetings
- Video Teleconferencing

## REPLACEMENT CAPSULES:

- CPSMICRO-C - Cardioid (Black)
- CPSMICRO-HC - Hypercardioid (Black)
- CPSMICRO-O - Omnidirectional (Black)
- CPSMICRO-S - Supercardioid (Black)



ATS-10



APS-2



SMT1218R



DCLIP

# MG12/15/18

**SPECIFICATIONS:**

<b>Transducer Type</b>	<b>Pre-Polarized Condenser</b>
<b>Frequency Response</b>	<b>60 Hz - 19 kHz</b>
<b>Polar Pattern</b>	<b>Cardioid</b>
	<b>Hypercardioid</b>
	<b>(MG12-HC, MG15-HC &amp; MG18-HC)</b>
<b>Output Impedance</b>	<b>150 Ohms balanced</b>
<b>Sensitivity</b>	<b>32 mV / Pa @ 1k</b>
<b>Equivalent Noise Level</b>	<b>22 dB (A weighted)</b>
<b>Signal to Noise Ratio</b>	<b>72 dB</b>
<b>Power Requirements</b>	<b>18 - 52 Volts phantom</b>
<b>Maximum SPL</b>	<b>≥130 dB</b>
<b>Dynamic Range</b>	<b>108 dB</b>
<b>Cable/Connector</b>	<b>3 pin gold plated</b>
	<b>male XLR connector</b>
<b>Polarity</b>	<b>Positive pressure on</b>
	<b>diaphragm produces</b>
	<b>positive voltage on pin</b>
	<b>2 relative to pin 3</b>
<b>Housing/Finish</b>	<b>Machined Brass /</b>
	<b>Black matte</b>
<b>Weight</b>	<b>118 g / 4.16 ounces (MG12)</b>
	<b>126 g / 4.44 ounces (MG15)</b>
	<b>134 g / 4.73 ounces (MG18)</b>
<b>Length</b>	<b>415 mm / 16.3 inches (MG12)</b>
	<b>480 mm / 18.9 inches (MG15)</b>
	<b>570 mm / 22.4 inches (MG18)</b>

**ARCHITECTS AND ENGINEERS SPECIFICATIONS:**

The microphone(s) shall be of the condenser type with a modular threaded capsule. The microphone(s) shall be available in a cardioid and hypercardioid polar pattern and shall have a base terminating in a male XLR plug. The microphone(s) shall operate on 18 - 52 Volts phantom power. The microphone(s) shall have a sensitivity of 32 mV / Pa and a nominal impedance of 150 ohms at 1 kHz. The microphone(s) shall have a maximum SPL level of ≥130 dB and shall be fabricated from aluminum tubing, brass fittings, and coiled steel gooseneck material. The microphone capsule shall be 12 mm and the microphone(s) shall be available in three gooseneck lengths. The microphone(s) shall be the Audix MG12, MG15, MG18.

**OPERATION AND MAINTENANCE:**

The MG12/15/18 are low impedance microphones and should be plugged into a "mic level" input on your console, mixer, or recording device. The MG12/15/18 require phantom power and will NOT operate without phantom power voltage (minimum of 18- 52 Volts) which is available on most professional mic preamps and mixing devices. 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.

**Changing Capsules:** Capsules can easily be replaced or interchanged by simply screwing them on and off the capsule housing.

**Permanent Installation:** The MG12/15/18 can be conveniently plugged into any standard XLR female connector or receptacle. For permanent installation onto a table, podium or flat surface, use the supplied flange shockmount. The base of the MG12/15/18 will fit securely into the flange and a standard XLR-f microphone cable or panel jack may be used. If further shockmount or isolation is required, it is recommended to use the optional SMT1218R rubber shockmount which requires boring out a 2 inch hole.

**USER TIPS:**

**Speaking distance and angle of microphone:** The two flexible portions of the microphone will enable you to position the mic according to height and speaking style of the user. In general, the microphone can be angled at 60-75 degrees towards the speaker and be 12-16 inches away from the mouth. A shorter distance can be used for a fuller sound or for weaker voices.

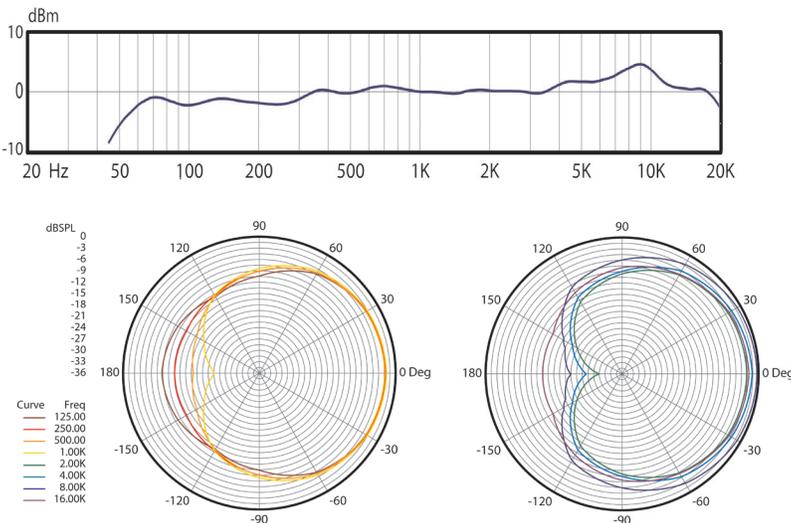
**Windscreens:** The supplied windscreens should be used to help minimize pop noise and breath noise. If breath or pop noise appears to be excessive, either move further away from the microphone or try speaking over the top of the microphone rather than directly into it.

**Using with ATS-10 Table Stand:** For ultimate flexibility and portability, the optional ATS-10 heavy duty table stand is ideal. Since the electronics for the MG12/15/18 are built right into the base of the microphone, all that is necessary is to plug the mic directly into the table stand connector on the top of the base. The mic cable will be plugged into the back of the base and connected to a low impedance mic level input on the mixer or recording device. Remember that phantom power is required in order to operate. There is a noiseless 2 position on-off switch located in the table stand. The down position is 'on' and the up position is 'off'. The LED indicator light will be lit when the mic is turned on. This is not a push-to-talk system so you need not hold down the switch, just push and click to on or off position. A standard XLR-XLR microphone cable can be used to connect the ATS-10 to the mixer or recording device.

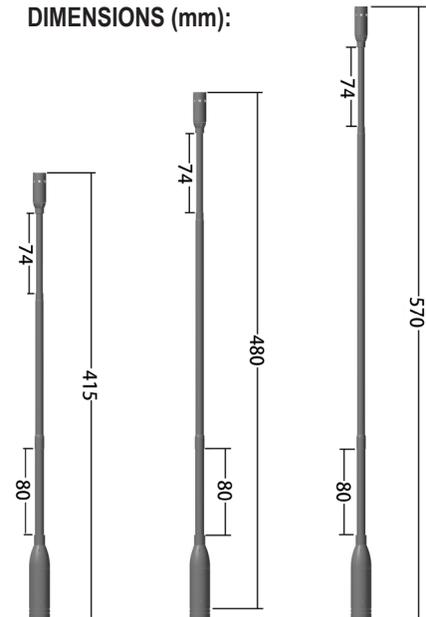
**To use on microphone stand:** The MG12/15/18 may be used on any standard microphone stand by using the D-Clip. The XLR base of the microphone will snap securely into the D-Clip and can be used at any angle.

\*Further miking techniques may be found on our web site at [www.audixusa.com](http://www.audixusa.com)

**FREQUENCY / POLARS:**



**DIMENSIONS (mm):**



\*\*\*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 MG12, MG15 and MG18 are manufactured to exacting specs with roadworthy construction. However, the capsule is highly sensitive and should be handled with care. Avoid extreme temperatures and be sure to store your microphone in the pouch provided when not in use. Moisture of any kind can adversely affect the sound and performance of your microphone.

To register your microphone, please visit [www.audixusa.com](http://www.audixusa.com)



[www.audixusa.com](http://www.audixusa.com) Call: 503-682-6933 Fax: 503-682-7114  
Audix Corporation 9400 SW Barber Street, Wilsonville, OR 97070