

MX412, MX418, MX424 STANDARD GOOSENECK MICROPHONES

Microflex Standard Gooseneck Microphones provide the added length and flexibility needed for speakers in environments like lecterns, pulpits, and courtrooms. Available in four models with a variety of lengths and mounting styles to choose from, Microflex Gooseneck microphones feature high sensitivity and balanced, transformerless output for maximum resistance to electromagnetic hum and RF interference, even over long cable runs.

Specifications

Type	Condenser (electret bias)
Frequency Response	50 Hz – 17 kHz
Polar Pattern	MX412/C, MX418/C, MX424/C: Cardioid MX412/S, MX418/S, MX424/S: Supercardioid Omnidirectional cartridge available separately
Output Impedance	EIA rated at 150 Ω (170 Ω actual)
Sensitivity at 1 kHz, open circuit voltage; 1 Pascal = 94 dB SPL	Cardioid: -35 dBV/Pa (17.8 mV) Supercardioid: -33.5 dBV/Pa (21.1 mV) Omnidirectional: -27.5 (42.2 mV)
Maximum SPL 1 kHz at 1% THD, 1 k Ω load	Cardioid: 124.2 dB Supercardioid: 122.7 dB Omnidirectional: 116.7 dB
Equivalent Output Noise A-weighted	Cardioid: 28 dB SPL Supercardioid: 26.5 dB SPL Omnidirectional: 20.5 dB SPL
Signal-to-Noise Ratio referenced at 94 dB SPL at 1 kHz	Cardioid: 66 dB Supercardioid: 67.5 dB Omnidirectional: 73.5 dB
Dynamic Range 1 k Ω load at 1 kHz	96.2 dB 100 dB at 0 gain (internal modification)
Common Mode Rejection	45 dB minimum (10 Hz – 100 kHz)
Preamplifier Output Clipping Level 1% THD	-6 dBV (0.5 V)
Polarity	Positive sound pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 of output XLR connector.
Mute Switch Attenuation	-50 dB minimum
Cable	MX412D and MX418D: The 3 m attached custom cable contains a shielded audio pair and three unshielded conductors for logic control. Overall diameter = 4 mm
Environmental Conditions	Operating temperature range: -18° – 57° C Relative humidity: 0 – 95%
Power Requirements	11 – 52 Vdc phantom, 8.0 mA

*for detailed dimensions please
reference MX412/418/424 user
guides



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Available Models

The polar pattern of the cartridge is indicated by the model number suffix: C = Cardioid, S = Supercardioid, N = No Cartridge

MX412/C, MX412/S, MX412/N	331 mm (13 inch) gooseneck, attached XLR preamp, shock mount, flange mount, snap-fit foam windscreen
MX418/C, MX418/S, MX418/N	473 mm (19 inch) gooseneck, attached XLR preamp, shock mount, flange mount, snap-fit foam windscreen
MX412S/C, MX412S/S, MX412S/N	334 mm (13 inch) gooseneck, attached XLR preamp, shock mount, flange mount, snap-fit foam windscreen, mute switch, LED Indicator
MX418S/C, MX418S/S, MX418S/N	473 mm (19 inch) gooseneck, attached XLR preamp, shock mount, flange mount, snap-fit foam windscreen, mute switch, LED indicator
MX412SE/C, MX412SE/S, MX412SE/N	305 mm (12 inch) gooseneck, in-line preamp, shock mount, flange mount, 3 m side-exit (or bottom-exit) cable, snap-fit foam windscreen
MX418SE/C, MX418SE/S, MX418SE/N	457 mm (18 inch) gooseneck, in-line preamp, shock mount, flange mount, 3 m side-exit (or bottom-exit) cable, snap-fit foam windscreen
MX412D/C, MX412D/S, MX412D/N	305 mm (12 inch) gooseneck, desktop base with 3 m cable, logic functions, programmable switch and LED indicator, snap-fit foam windscreen
MX418D/C, MX418D/S, MX418D/N	457 mm (18 inch) gooseneck, desktop base with 3 m cable, logic functions, programmable switch and LED indicator, snap-fit foam windscreen
MX424/C, MX424/S, MX424/N	623 mm (25 inch) gooseneck, attached XLR preamp, shock mount, flange mount, snap-fit foam windscreen

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Furnished Accessories

MX412, MX418, MX412S, MX418S, MX424 Models		MX412SE, MX418SE Models		MX412D, MX418D Models	
65B8264	Flange	A12C	Flange and nut	RK412WS	Snap-fit foam windscreen (1 furnished, 4 in replacement pack)
65B8265	Retainer	80A476	Clamp		
80A439	Isolation ring	A400SM	Shock mount		
RK412WS	Snap-fit foam windscreen (1 furnished, 4 in replacement pack)	RK412WS	Snap-fit foam windscreen (1 furnished, 4 in replacement pack)		
A400SM	Shock mount	31B1762A	Shock mount adapter		
80A67	Hex wrench #4				

Optional Accessories and Replacement Parts

A412B	Desktop base	C130	Custom logic cable (specify length)	R185B	Black cardioid cartridge for all Microflex models
A412MWS	Metal locking windscreen	RK100PK	Replacement in-line preamplifier (SE models)	R189B	Black lobar mini-shotgun cartridge for Microflex models
A99WS	Foam ball windscreen	R183B	Black omnidirectional cartridge for all Microflex models		
A57F	Stand adapter	R184B	Black supercardioid cartridge for all Microflex models		

