

MX405 and MX410 Miniature Gooseneck Microphones

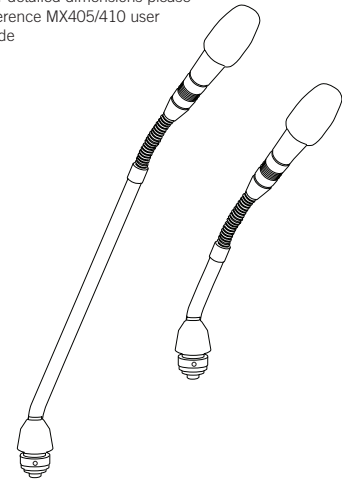
Overview

Flexible in more ways than one, Microflex Miniature Gooseneck microphones deliver unsurpassed style and performance for conference rooms and similar applications. Offering desktop or mounted bases, wired or wireless options, and even interchangeable cartridges, it's easy to get the perfect fit for your conferencing installation. Fully compatible with SLX® wireless systems, including the SLX4L wireless receiver with logic output for applications requiring logic functionality.

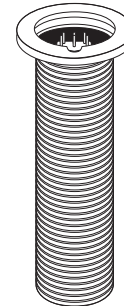
Specifications (subject to change)

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| Type | Condenser (electret bias) |
| Frequency Response | 50–17000 Hz |
| Polar Pattern (at 1 kHz) | MX405/C, MX410/C: Cardioid MX405/S, MX410/S: Supercardioid |
| Output Impedance | EIA Rated at 150 Ω (170 Ω actual) |
| Output Configuration | Active Balanced |
| Sensitivity (at 1 kHz, open circuit voltage) | Cardioid: -35 dBV/Pa (18 mV) Supercardioid: -34 dBV/Pa (21 mV) 1 Pascal=94 dB SPL |
| Maximum SPL (1 kHz at 1% THD, 1 kW load) | Cardioid: 121 dB Supercardioid: 120 dB |
| Equivalent Output Noise (A-weighted) | Cardioid: 28 dB SPL Supercardioid: 27 dB SPL |
| Signal-to-Noise Ratio (referenced at 94 dB SPL at 1 kHz) | Cardioid: 66 dB Supercardioid: 68 dB |
| Dynamic Range (1 kΩ load at 1 kHz) | 93 dB |
| Common Mode Rejection (10 Hz to 100 kHz) | 45 dB minimum |
| Preamplifier Output Clipping Level (1% THD) | -8 dBV (0.4 V) |
| Polarity | 3-Pin XLR: Positive sound pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 of output XLR connector. 5-Pin XLR: Positive sound pressure on diaphragm produces positive voltage on pin 4 relative to pin 2 of output XLR connector. |
| Weight | MX405: 0.054 kg (0.119 lbs) MX410: 0.068 kg (0.150 lbs) MX400DP: 0.516 kg (1.138 lbs) MX400SMP (w/ Kit): 0.125 kg (0.275 lbs) |
| Logic Connections | LED IN: Active low (≤1.0V), TTL compatible. Absolute maximum voltage: -0.7V to 50V. LOGIC OUT: Active low (≤1.0V), sinks up to 20mA, TTL compatible. Absolute maximum voltage: -0.7V to 50V (up to 50V through 3kΩ). |
| Mute Switch Attenuation | -50 dB minimum |
| Cable | MX400DP: 6.1 m (20 ft) attached cable with shielded audio pair terminated at a 3-pin male XLR and three unterminated conductors for logic control |
| Environmental Conditions | Operating Temperature: -18–57 °C (0–135 °F) Storage Temperature: -29–74 °C (-20–165 °F) Relative Humidity: 0–95% |
| Power Requirements | 48–52 Vdc phantom, 8.0 mA |

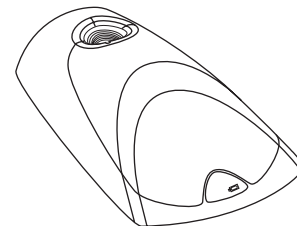
*for detailed dimensions please reference MX405/410 user guide



MX410 and MX405
Miniature Goosenecks



MX400SMP
Surface Mount Preamp



MX400DP
Wired Desktop Base (also available as MX890 Wireless Desktop Base)

Available Models

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

| | |
|----------------------|---|
| MX405/C, MX405/S | 5 inch (127 mm) Gooseneck, bi-color status indicator ring, includes surface mount preamp |
| MX405R/N | 5 inch (127 mm) Gooseneck, light ring, includes surface mount preamp |
| MX410/C, MX410/S | 10 inch (254 mm) Gooseneck, bi-color status indicator ring, includes surface mount preamp |
| MX410R/N | 10 inch (254 mm) Gooseneck, no cartridge, light ring, includes surface mount preamp |
| MX405LP/C, MX405LP/S | 5 inch (127 mm) Gooseneck, bi-color status indicator ring, less preamp |
| MX405RLP/N | 5 inch (127 mm) Gooseneck, no cartridge, light ring, less preamp |
| MX410LP/C, MX410LP/S | 10 inch (254 mm) Gooseneck, cardioid, bi-color status indicator ring, less preamp |
| MX410RLP/N | 10 inch (254 mm) Gooseneck, no cartridge, light ring, less preamp |

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Optional Accessories and Replacement Parts

| | | | | | | | |
|-----------------|---|--------------|--|----------------|----------------------------|--------------|---------------------|
| MX400SMP | Surface Mount Preamp | R185B | Black Cardioid Cartridge for All Microflex Models | A412MWS | Metal Locking Windscreen | A99WS | Big Foam Windscreen |
| MX400DP | Wired Desktop Base. Includes 10 ft. (6.1 M) attached cable | R184B | Black Supercardioid Cartridge for All Microflex Models | 95A2487 | Tapered Windscreen | | |
| MX890 | Wireless Desktop Base. Compatible with SLX wireless systems | R183B | Black Omnidirectional Cartridge for All Microflex Models | RK412WS | Microflex Windscreen (4pk) | | |

Furnished Accessories

| Models with included Preamp | | All Models | |
|-----------------------------|------------------------|----------------|--------------------------|
| MX400SMP | Surface Mount Preamp | RK513WS | Snap-Fit Foam Windscreen |
| 65A2166 | Rubber Isolation Rings | | |
| 65A2190 | Wing Nut | | |
| 95A1118 | 5 Pin XLR-F | | |
| 65A2166 | Cap | | |

Architectural Specifications

MX405/C - The microphone shall be an electret condenser 5" gooseneck microphone (12,7 cm) with cardioid polar pattern, black finish, and logic controlled bi-colored status indicator. The microphone shall be mounted in the included MX400SMP preamp. The microphone shall be resistant to RF interference from portable mobile and handheld devices. The frequency response shall be 50 Hz to 17 kHz and the sensitivity shall be 18 mV/Pa.

MX405/S - The microphone shall be an electret condenser 5" gooseneck microphone (12,7 cm) with supercardioid polar pattern, black finish, and logic controlled, upper red light ring status indicator. The microphone shall be mounted in the included MX400SMP preamp. The microphone shall be resistant to RF interference from portable mobile and handheld devices. The frequency response shall be 50 Hz to 17 kHz and the sensitivity shall be 21 mV/Pa.

MX410R/N - The microphone shall be an electret condenser 10" gooseneck microphone (25,4 cm) with no included cartridge, black finish, and logic controlled, upper red light ring status indicator. The microphone shall be mounted in the included MX400SMP preamp. The microphone shall be resistant to RF interference from portable mobile and handheld devices.

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MX405LP/C - The microphone shall be an electret condenser 5" gooseneck microphone (12,7 cm) with cardioid polar pattern, black finish, and logic controlled bi-colored status indicator. The microphone shall be compatible with the MX400SMP or MX890. The microphone shall be resistant to RF interference from portable mobile and handheld devices. The frequency response shall be 50 Hz to 17 kHz and the sensitivity shall be 18 mV/Pa.

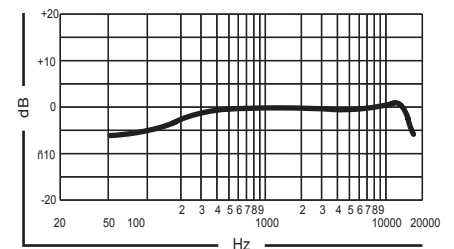
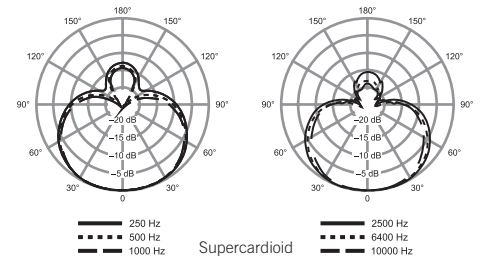
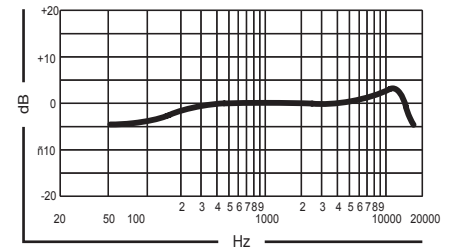
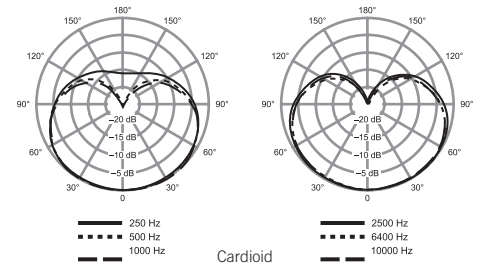
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