

MX690 Wireless Boundary and MX890 Wireless Desktop Base

Overview

The Microflex Wireless Boundary microphone offers total freedom of placement with no holes to drill or cables to run for installation. The Wireless Boundary Microphone is the perfect solution for conference and meeting spaces where users demand flexibility and high performance. Compatible with Shure SLX® wireless systems, including the SLX4L receiver with logic output for applications requiring logic functionality.

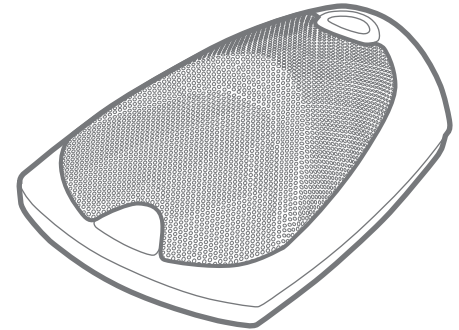
Specifications (subject to change)

MX690 Microphone Specifications

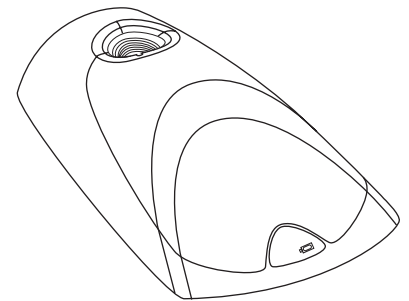
Type	Condenser (electret bias)
Frequency Response	50–17000 Hz
Polar Pattern (at 1 kHz)	Cardioid
Sensitivity (at 1 kHz, open circuit voltage)	-33 dBV/Pa (33 mV) 1 Pascal=94 dB SPL
Dynamic Range	96 dB (1 kΩ load at 1 kHz)
Common Mode Rejection	45 dB minimum (10 Hz to 100 kHz)
Preamplifier Output Clipping Level	-6 dBV (0.5 V) (1% THD)
Polarity	Positive sound pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 of output XLR connector or tip of 1/4" phone plug.

MX690 and MX890 Transmitter Specifications

Operating Range	30 m (100 ft.) Note: Actual range depends on RF signal absorption, reflection, and interference
Frequency Stability	±10 ppm
Maximum Frequency Deviation	45 kHz
Oscillator Type	Phase-locked loop (PLL) controlled synthesizer
Power Requirements	3V (2 AA alkaline or rechargeable batteries)
Battery Life	≥8 hours (alkaline)
Power Consumption	130 mA, ±15 mA
Operating Temperature Range	-18–57 °C (0–135 °F) Note: Battery may limit this range
Dimensions	43 mmH x 87 mmW x 148 mmD (1 11/16 x 3 3/8 x 5 13/16 in.)
Weight	Net: 318 g (11.2 oz) Packaged: 516 g (18.2 oz)



MX690
Wireless Boundary Mic
L x W x H: 5 13/16" x 3 3/8" x 1 11/16"
(148 mm x 87 mm x 43 mm)



MX890
Wireless Desktop Base
L x W x H: 5 3/4" x 3 7/16" x 1 11/16"
(146 mm x 87 mm x 43 mm)

Available Models

MX690	Wireless Boundary Microphone, cardioid, mute switch
MX890	Wireless Desktop Base for MX405 and MX410 models, mute switch

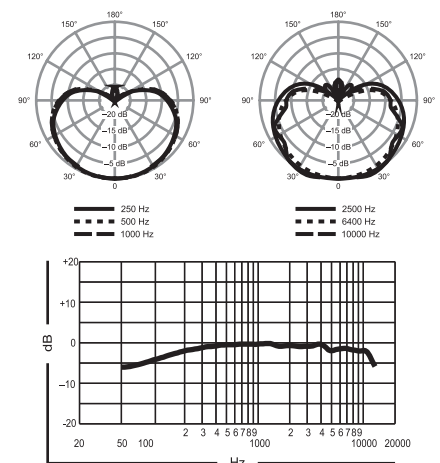
Optional Accessories

SLX4	Wireless Diversity Receiver	SLX4L	Wireless Diversity Receiver with Logic Output
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Architectural Specifications

MX690 – The microphone shall be a surface mounted, black condenser microphone with a cardioid polar pattern. The microphone shall have an integrated wireless transmitter for audio signals with switchable carrier frequencies as well as preprogrammed groups up to 12 compatible channels. An infrared signal shall be used to synchronize the frequency between transmitter and receiver. The microphone shall be resistant to RF interference from portable mobile and handheld devices. The frequency range shall be 50Hz to 17KHz and the sensitivity shall be 33 mV/Pa.

MX890 - The wireless desk stand shall be a transmitter base for audio signals with switchable carrier frequencies as well as preprogrammed groups with up to 12 compatible channels. An infrared signal shall be used to synchronize the frequency between transmitter and receiver. The wireless desk stand shall be used with the MX405 and MX410 series gooseneck microphones.



MX690

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