



MICROFLEX® ADVANCE™

MXA710 LINEAR ARRAY MICROPHONE

OVERVIEW

The Shure Microflex® Advance™ MXA710 Linear Array Microphone represents the next evolution in Shure array microphone technology, designed for high-quality audio capture in premium AV conferencing environments. The linear form factor of the MXA710 allows for placement virtually anywhere in a meeting space, including on a wall, around a display, on a ceiling, or in a conference room table.

FEATURES

- Steerable Coverage™ technology to capture audio anywhere in the room (up to 4 lobes with a 2-foot array, 8 lobes with a 4-foot array)
- Autofocus technology fine-tunes each lobe position in real time, even if meeting participants lean back or stand up.
- Default room coverage template enables quick and easy lobe optimization for wall, ceiling, or table installations.
- IntelliMix DSP includes automatic mixing, acoustic echo cancellation, noise reduction, and automatic gain control.
- Shure Designer System Configuration software for easy setup and configuration
- SystemOn Audio Asset Management software for remote management and troubleshooting
- PoE powered
- LED status bars with configurable colors and brightness
- Dante & AES67 audio networking protocols
- Shure network audio encryption compatible
- Multiple mounting accessories for wall, ceiling, or table installation

SPECIFICATIONS (subject to change)

GENERAL

All specifications measured from narrow lobe width. Values for all widths are within ± 3 dB of these specifications unless otherwise noted.

Lobe Width (adjustable)	Narrow 30 degrees, Medium 40 degrees, Wide 70 degrees
Connector Type	RJ45
Power Requirements	Power over Ethernet (PoE), Class 0
Power Consumption	10 W maximum
Control Software	Shure Designer
Plenum Rating	UL2043 (Suitable for Air Handling Spaces)
Dust Protection	IEC 60529 IP5X Dust Protected
WEIGHT	
MXA710-2FT	2 lbs (0.91 kg)
MXA710-4FT	3.7 lbs (1.67 kg)

PRODUCT DIMENSIONS

MXA710-2FT	0.87 x 2.36 x 25.04 in. (22.09 x 60 x 636 mm) H x W x L
MXA710-4FT	0.87 x 2.36 x 49.12 in. (22.09 x 60 x 1247.76 mm) H x W x L
Operating Temperature Range	-6.7°C (20°F) to 40°C (104°F)
Storage Temperature Range	-29°C (-20°F) to 74°C (165°F)

AUDIO

Frequency Response	100 Hz to 20 kHz
AES67 or Dante Digital Output	
Channel Count MXA710-2FT	6 total channels (4 independent transmit channels, 1 Automix output, 1 AEC reference in channel)
Channel Count MXA710-4FT	10 total channels (8 independent transmit channels, 1 Automix output, 1 AEC reference in channel)
Sampling Rate	48 kHz
Bit Depth	24
Sensitivity at 1 kHz	
MXA710-2FT	-7.4 dBFS/Pa
MXA710-4FT	-7.9 dBFS/Pa



MXA710
Microflex Advance Linear Array
Microphone



MXA710
Flush Mount



MXA710
with Full Box Contents



A710-DS Desk Stand



A710-MSA Mic Stand Adapter



Maximum SPL Relative to 0 dBFS overload

MXA710-2FT 101.4 dB SPL

MXA710-4FT 101.9 dB SPL

Signal-To-Noise Ratio (Ref. 94 dB SPL at 1 kHz) 71.2 dB A-weighted

Latency (Does not include Dante latency)

Direct Outputs 8.7 ms

Automix output (Includes IntelliMix processing) 19.3 ms

Self Noise

MXA710-2FT 22.9 dB SPL-A

MXA710-4FT 22.8 dB SPL-A

Dynamic Range

MXA710-2FT 78.5 dB

MXA710-4FT 79.1 dB

Built-in Digital Signal Processing

Automatic mixing, Acoustic Echo Cancellation (AEC), Noise Reduction, Automatic Gain Control, Compressor, Delay, Equalizer (4-band Parametric), Mute, Gain (140 dB range)

Networking

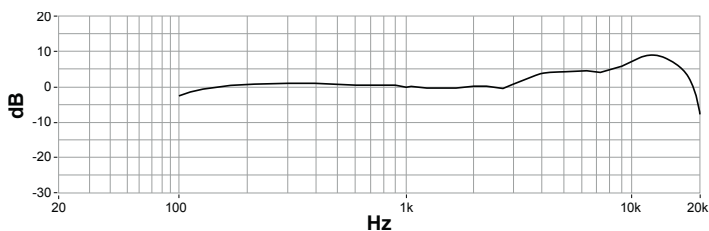
Cable Requirements Cat 5e or higher (shielded cable recommended)

Data subject to change without notice in interest of product improvements.

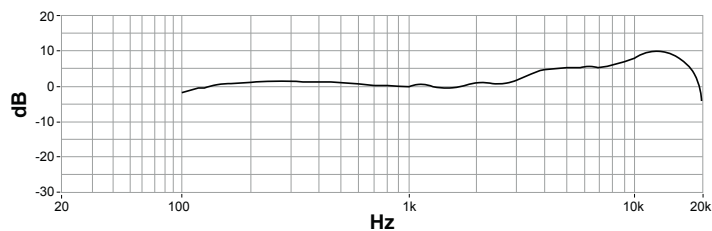
MXA710 Frequency Response

Frequency response measured directly on axis from a distance of 6 feet (1.83 m)

MXA710-2FT



MXA710-4FT



OPTIONAL ACCESSORIES

- A710-FM-2FT Flush Mount Kit - 2 Foot
- A710-FM-4FT Flush Mount Kit - 4 Foot
- A710B-DS Desk Stand, Black
- A710AL-DS Desk Stand, Aluminum
- A710-MSA Mic Stand Adapter
- A710-TB Tile Bridge