



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

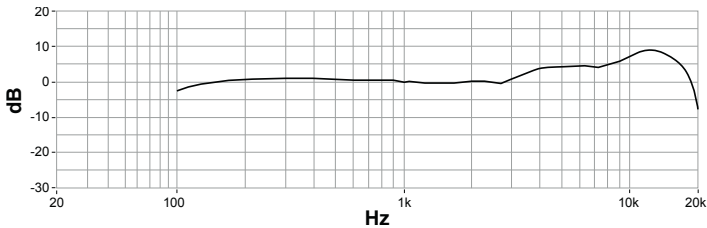
Cable Requirements	Cat 5e or higher (shielded cable recommended)
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Data subject to change without notice in interest of product improvements.

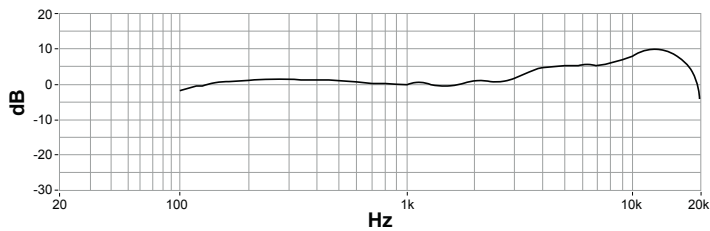
MXA710 Frequency Response

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