



# MICROFLEX<sup>®</sup> ADVANCE<sup>™</sup>

## MXA710 LINEAR ARRAY MICROPHONE

### OVERVIEW

The Shure Microflex<sup>®</sup>Advance<sup>™</sup> 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<sup>™</sup> 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  $\pm 3$  dB of these specifications unless otherwise noted.

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

#### PRODUCT DIMENSIONS

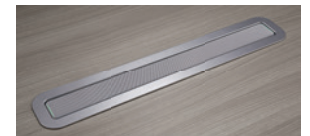
<b>MXA710-2FT</b>	0.87 x 2.36 x 25.04 in. (22.09 x 60 x 636 mm) H x W x L
<b>MXA710-4FT</b>	0.87 x 2.36 x 49.12 in. (22.09 x 60 x 1247.76 mm) H x W x L
<b>Operating Temperature Range</b>	-6.7°C (20°F) to 40°C (104°F)
<b>Storage Temperature Range</b>	-29°C (-20°F) to 74°C (165°F)

#### AUDIO

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

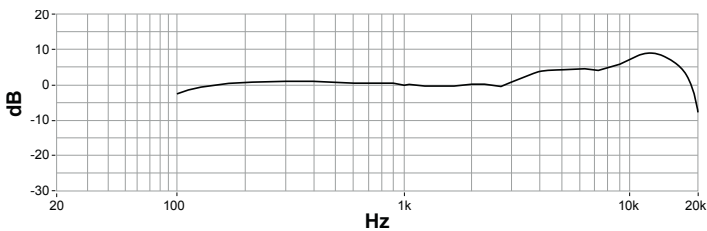
Cable Requirements	Cat 5e or higher (shielded cable recommended)
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Data subject to change without notice in interest of product improvements.

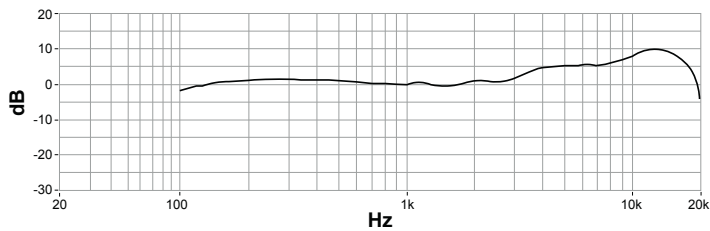
## MXA710 Frequency Response

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