

A photograph of a modern meeting room. A large screen is mounted on the wall, displaying a person's hands. Below the screen, a Shure MXA710 linear array microphone is mounted. To the left, a window shows an outdoor view. The Shure logo is in the top right corner.

SHURE

CONSISTENT PERFORMANCE. UNMATCHED FLEXIBILITY.

+ MICROFLEX® ADVANCE™

MXA710 LINEAR ARRAY MICROPHONE

Whether it's under or next to a wall-mounted display, suspended from the ceiling or flush mounted in a table, the MXA710 subtly blends into any meeting room aesthetic, without sacrificing the premium audio capture you would expect from the newest addition to the innovative Microflex Advance portfolio.



+ COLLABORATION REIMAGINED

Steerable Coverage™ provides directional lobes easily configured depending on installation. Autofocus™ technology continually fine-tunes the position of each lobe in real time, for consistent sound if meeting participants shift in their seats.

+ ENTERPRISE-WIDE DEPLOYMENT

Unprecedented flexibility to meet varying room requirements from small to large, the MXA710 provides audio capture at scale that's easier than ever.

+ INTELLIMIX® DSP

Onboard digital signal processing delivers a single channel of auto-mixed, noise-free, and echo-free audio in AV conferencing applications, using Shure's proprietary IntelliMix DSP algorithms.

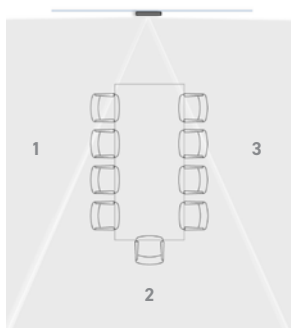


+ WELL CONNECTED

Intuitive, programming-free LED mute sync functionality with leading third party software codecs solutions when connected to the IntelliMix® P300 or ANIUSB-MATRIX Audio Network Interface.

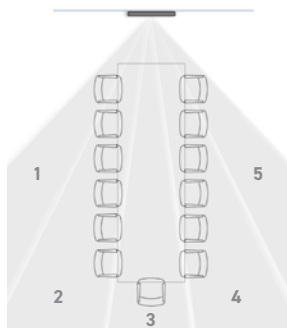
+ APPLICATIONS

Match arrays to the audio needs of rooms of any size, configuration or installation type including wall, table or ceiling mount options.



SMALL CONFERENCE ROOM

Wall Horizontal
2 Foot Array
3 Lobes Deployed



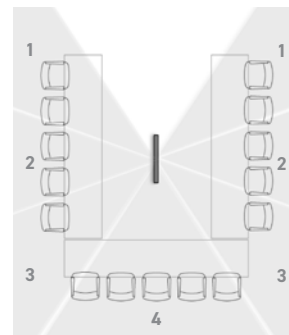
MEDIUM CONFERENCE ROOM

Wall Horizontal
4 Foot Array
5 Lobes Deployed



MEDIUM CONFERENCE ROOM

Table
2 Foot Array
4 Lobes Deployed



LARGE CONFERENCE ROOM

Ceiling
4 Foot Array
4 Lobes Deployed

+ INSTALLATION

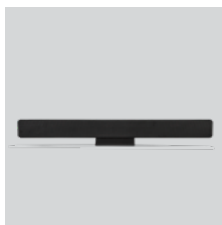
The sleek, linear form factor of the MXA710 (available in two lengths and three colors) allows for placement virtually anywhere in a meeting space, including on a wall, around a display, ceiling, or into a conference room table.



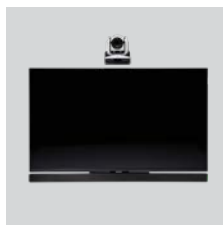
WALL MOUNT
(on wall with provided wall bracket)



SUSPENSION MOUNT
(suspension eyelets provided - wire rope not included)



DESK STAND MOUNT
(optional accessory)



DISPLAY MOUNT
(With third-party accessory)



MIC STAND ADAPTER
(optional accessory)



**FLUSH MOUNT
TABLE OR WALL**
(optional accessory)

+ CONFIGURATION

With free **Designer System Configuration Software** you can easily pre-configure room coverage layouts offline and fine-tuned live on-site. Complete audio routing ahead of time to save installation time.

+ DEVICE MANAGEMENT

SystemOn Audio Asset Management Software allows you to conveniently manage large-scale deployments of MXA710s across rooms, floors and buildings. Remotely monitor your inventory and troubleshoot on the go.

MXA710 with IntelliMix® Architect Specifications

The linear array microphone shall be available in two variants, and three colors, white, black and aluminum. The microphone shall provide up to consist of up to four (2FT) or eight (4FT) directional pickup lobes to capture individual talkers and deliver discrete audio signals over a single network cable. The microphone shall support 10 total channels [4FT] (8 independent transmit channels, 1 automatic mixing transmit channel, and 1 AEC Reference Input receive channel) or 6 total channels [2FT] (4 independent transmit channels, 1 automatic mixing transmit channel, and 1 AEC Reference Input receive channel). The microphone shall provide built-in IntelliMix® digital signal processing to deliver acoustic echo cancellation, noise reduction, automatic mixing, automatic gain control, compression, delay and equalization on the Automix Output channel. Audio routing shall be controlled through a computer on the Dante™ or AES67 network. The microphone shall connect to the network using one category cable that carries PoE, audio, and control. The accessory shall be compatible with third party control systems using programmable control strings. Designer control software shall provide Steerable Coverage™ with ability to aim individual lobes based on participant seating. Autofocus™ technology shall continually fine-tune lobe location in real time based on participant location for consistent coverage. Pickup lobe width shall be selectable, with narrow, medium, and wide settings. Mounting options shall include flush or to a wall, hard ceiling or suspension mounting, and VESA mounting options. The microphone shall be the MXA710 Linear Array Microphone.



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

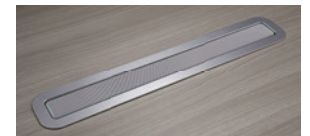
MXA710-2FT	0.87 x 2.36 x 25.04 in. (22.09 x 60 x 636 mm) H x W x L
MXA710-4FT	0.87 x 2.36 x 49.12 in. (22.09 x 60 x 1247.76 mm) H x W x L
Operating Temperature Range	-6.7°C (20°F) to 40°C (104°F)
Storage Temperature Range	-29°C (-20°F) to 74°C (165°F)

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

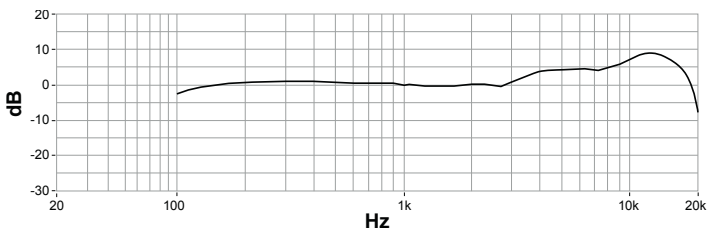
Cable Requirements	Cat 5e or higher (shielded cable recommended)
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Data subject to change without notice in interest of product improvements.

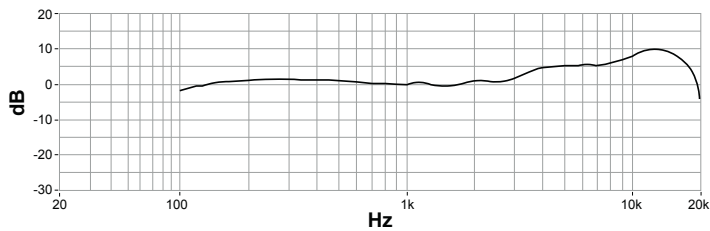
MXA710 Frequency Response

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