Microflex® Advance™

TABLE ARRAY MICROPHONE

The Microflex Advance Table Array is a networked array microphone ideal for AV Conferencing applications where premium audio and a low profile appearance are paramount. Shure IntelliMix® DSP Suite Steerable Coverage™ technology deploys four discrete zones of table coverage for best in class audio capture, configuring all parameters seamlessly through a browser-based graphical user interface.

Available in white, black and aluminum finishes

Steerable Coverage™ Technology

Set the coverage geometry for up to four areas in 15˚ increments, and specify the polar pattern for each configuration including cardioid, supercardioid, hypercardiod, omnidirectional, bi-directional and a patent pending toroid pattern.

Flexible Networking

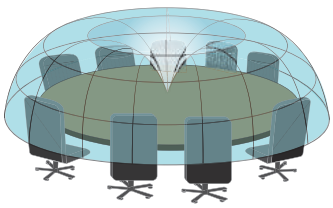
Mix, route and manage the signals from up to four coverage areas as discrete channels on a Dante network over a single Ethernet cable. An individual automix channel provides added flexibility.

Mute Control

Program the touch-sensitive mute button for toggle, push-to-mute, push-to-talk or disable settings or to send controls to external devices.

Configurable LED

The configurable multi-colored LED light ring shows the mute status of the microphone in use and displays lighted segments during set-up to confirm coverage areas and automix settings.



Toroid Pattern

Optimizes the voices of seated or standing participants and rejects overhead noise from projectors or other sources.

SHURE®

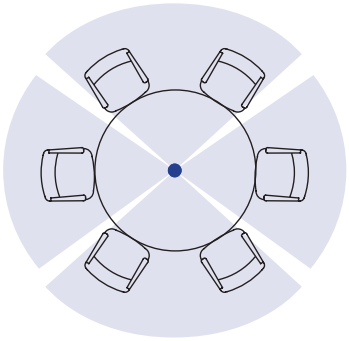
www.shure.com/mxa

MXA310 Table Array Coverage Examples

Round Work Surface
1 Table Array

Profile
6 Chairs
1 Round Table

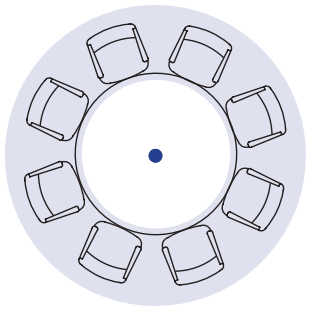
2 Cardioid Patterns
2 Supercardioid Patterns



Round Work Surface
1 Table Array

Profile
8 Chairs
1 Round Table

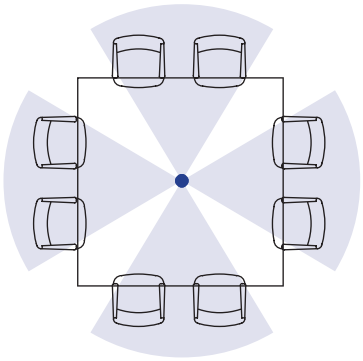
1 Toroid Pattern



Square Work Surface
1 Table Array

Profile
8 Chairs
1 Square Table

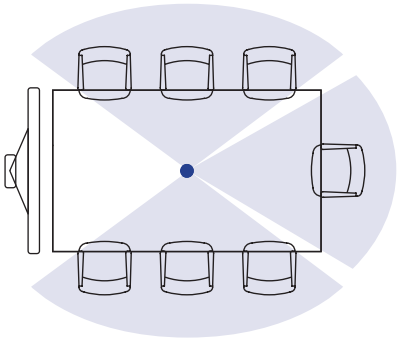
2 Bi-Directional Patterns



Rectangular Work Surface
1 Table Array

Profile
7 Chairs
1 Rectangular Table

2 Cardioid Patterns
1 Supercardioid Pattern



Specifications

All specifications measured from cardioid polar pattern. Values for all patterns are within ± 3 dB of these specifications unless otherwise noted.

Polar Pattern
All channels independently adjustable
Cardioid, Hypercardioid, Supercardioid, Toroid, Omnidirectional, Bidirectional

Connector Type
RJ45

Power Requirements
Power over Ethernet (PoE)
Class 2 or Class 0

Logic Connections
Sent as Ethernet command strings
LED IN, MUTE OUT

Weight
362 g (0.8 lbs)

Dimensions
H x W x D
3.6 x 13.4 x 13.4 cm (1.4 x 5.3 x 5.3 in.)

Control Application
HTML5 Browser-based

Audio

Frequency Response
100 to 20,000 Hz

Dante Digital Output

Channel Count	5 total channels (4 independent transmit channels, 1 IntelliMix® Automatic mixing transmit channel)
Sampling Rate	48 kHz
Bit Depth	24

Sensitivity
at 1 kHz, open circuit voltage, -15 dB Gain Setting
-21 dBFS/Pa

Maximum SPL
1 kHz at 1% THD, 1 kΩ load, -15 dB Gain Setting
115.2 dB SPL

Signal-To-Noise Ratio
Ref. 94 dB SPL at 1 kHz, -15 dB Gain Setting

Cardioid	75 dB
Toroid	67 dB

Latency
Not including Dante latency
0.65 ms

Self Noise
-15 dB Gain Setting

Cardioid	19.2 dB SPL-A
Toroid	26.8 dB SPL-A

Dynamic Range
-15 dB Gain Setting

Cardioid	96 dB
Toroid	90 dB SPL

Built-in Digital Signal Processing

Per Channel	Equalizer (4-band Parametric)[2], Mute, Gain (140 dB range)
System	IntelliMix Automatic mixing

Networking

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