



MICROFLEX™ ADVANCE™

MXA310 Table Array Microphone

The Microflex Advance Table Array is a premium networked array microphone ideal for AV Conferencing applications requiring pristine audio and low profile appearance. Proprietary Steerable Coverage™ technology deploys highly flexible coverage zones for best-in-class audio capture around conference tables of different sizes, shapes, and uses.

Configurable Coverage

Set the coverage geometry for up to four areas in 15° increments, and specify the polar pattern for each configuration including cardioid, supercardioid, hypercardioid, omnidirectional, bidirectional and a market-unique, new toroid pattern.



Available in white, aluminum, and black finishes

Flexible Networking

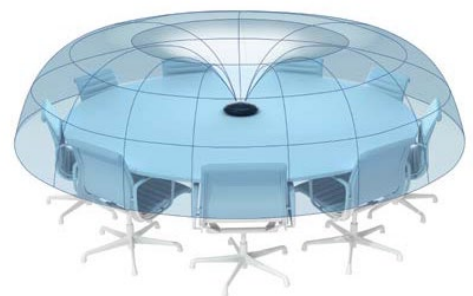
Mix, route and manage the signals from the individual coverage areas as discrete channels on a Dante network over a single Ethernet cable. A separate automix channel provides added flexibility.

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.

Multi-Color LED Displays

Specify one of eight LED colors, displayed as lighted segments or full light ring, to communicate microphone mute status, coverage areas, automix settings or other conditions.



Exclusive **toroid pattern** optimizes the voices of seated or standing meeting participants by rejecting overhead noise from HVAC, projectors and other sources.

Table Array Coverage Examples

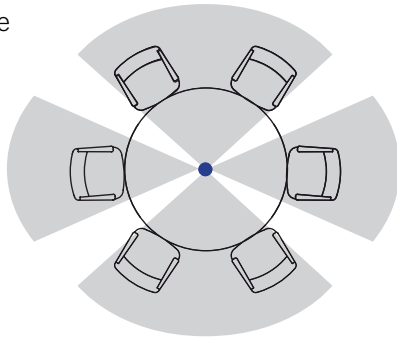
Round Work Surface

Profile

1 Round Table
6 Chairs

Setup

1 Table Array
2 Cardioid Pattern
1 Bidirectional Pattern



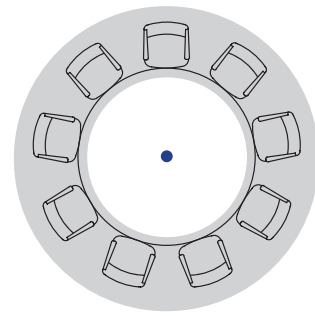
Round Work Surface

Profile

1 Round Table
9 Chairs

Setup

1 Table Array
1 Toroid Pattern



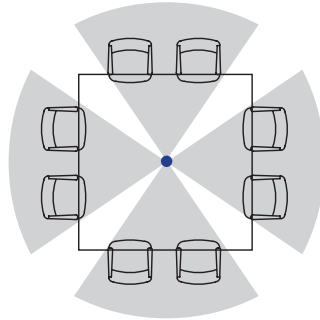
Square Work Surface

Profile

1 Square Table
8 Chairs

Setup

1 Table Array
4 Supercardioid Patterns



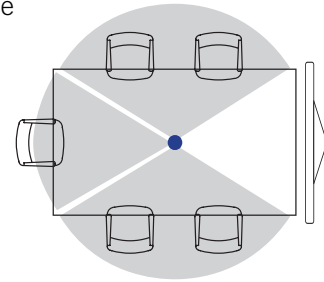
Rectangle Work Surface

Profile

1 Rectangular Table
5 Chairs

Setup

1 Table Array
1 Supercardioid Pattern
2 Cardioid 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 0

Power Consumption

4W, maximum

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

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 to 20,000 Hz

Dante Digital Output

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

Sensitivity

at 1 kHz, -15 dB Gain Setting

-21 dBFS/Pa

Maximum SPL

1 kHz at 1% THD, -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

<1 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, Low-Cut Filter (-12 dB/octave @ 150 Hz)

[1] 1 Pa=94 dB SPL

[2] Assignable to one channel at a time

Networking

Cable Requirements

Cat 5e or higher (shielded cable recommended)