



# MXA902

Specifications for Shure MXA902 integrated conferencing array microphone and loudspeaker.  
Version: 0.1 (2023-D)

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# Table of Contents

<b>MXA902</b>	<b>3</b>	<b>Specifications</b>	<b>3</b>
		MXA902 Microphone Frequency Response	5
		Dimensions	5

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# MXA902

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## Specifications

### General

#### Coverage Area Size

20 x 20 ft (6.1 x 6.1 m)

#### Coverage Type

Single-zone automatic

#### Power Requirements

Power over Ethernet Plus (PoE+), Class 4

#### Power Consumption

24 W maximum

#### Control Software

Designer

#### Cable Requirements

Cat5e or higher (shielded cable recommended)

#### Connector Type

RJ45

#### Plenum Rating

UL2043 (Suitable for Air Handling Spaces)

#### Dust Protection

IEC 60529 IP5X Dust Protected

#### 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)

### Microphone

#### Frequency Response

125 Hz to 20 kHz

## AES67 or Dante Digital Output

<b>Channel Count</b>	1 output channel
<b>Sampling Rate</b>	48 kHz
<b>Bit Depth</b>	24

## Sensitivity

*at 1 kHz*

-1.74 dBFS/Pa

## Maximum SPL

*Relative to 0 dBFS overload*

95.74 dB SPL

## Signal-to-Noise Ratio

*Ref. 94 dB SPL at 1 kHz*

75.76 dB A-weighted

## Latency

*Does not include Dante latency*

26.6 ms

## Self Noise

18.24 dB SPL-A

## Dynamic Range

77.5 dB

## 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)

## Acoustic Echo Cancellation Tail Length

Up to 250 ms

## Loudspeaker

## AES67 or Dante Digital Input

<b>Channel Count</b>	2 input channels
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## Frequency Range (-10 dB)

120 Hz to 20 kHz

## Maximum Output Level

*At 1 meter*

<b>Pink noise</b>	86 dB SPL
<b>1 kHz sine tone</b>	88 dB SPL

## Coverage Angle

Average of 1 octave band centered on 4 kHz

80°

## Digital Signal Processing

Delay, compressor, signal generator, equalizer (4-band parametric)

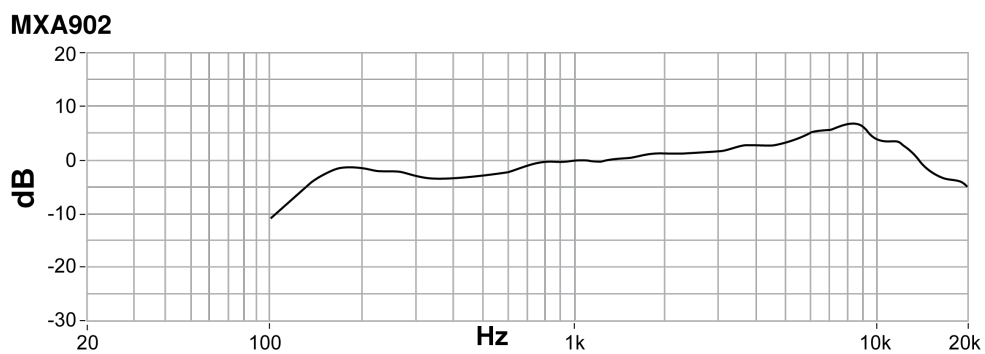
## Latency

Not including Dante latency

6.3 ms

## MXA902 Microphone Frequency Response

Frequency response measured directly on-axis from a distance of 6 feet (1.83 m).



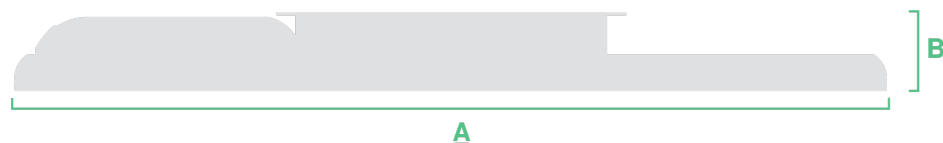
## Dimensions

### MXA902-S:



- A (Flange): 0.41 in. (10.5 mm)
- B (Edge to edge): 23.77 in. (603.8 mm)
- C (Height): 2.2 in. (56.04 mm)

### MXA902-S-60CM:



- A (Edge to edge): 23.38 in. (593.8 mm)
- B (Height): 2.2 in. (56.04 mm)

## Weight

- MXA902-S or MXA902-S-60CM: 12.7 lb. (5.8 kg)