



MXA902

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

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MXA902

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

Channel Count	1 output channel
Sampling Rate	48 kHz
Bit Depth	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

Channel Count	2 input channels
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Frequency Range (-10 dB)

120 Hz to 20 kHz

Maximum Output Level

At 1 meter

Pink noise	86 dB SPL
1 kHz sine tone	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)

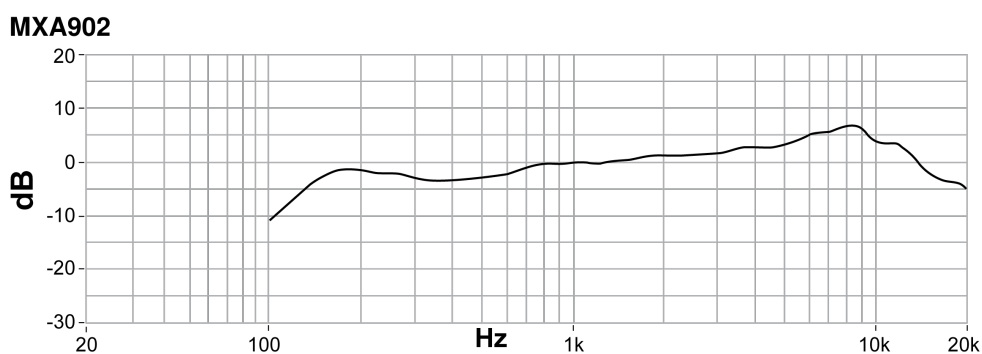
Latency

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).



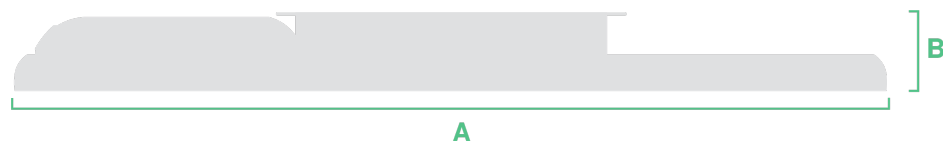
Dimensions

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)