SHURE

STEM
ECOSYSTEM

STEM CEILING
CEILING MICROPHONE ARRAY

OVERVIEW

Stem Ceiling Microphone Array mounts above the conferencing space, providing uncompromising performance while keeping the technology out of sight. With adjustable beam options and the aesthetics needed to blend with any environment, Stem Ceiling eliminates distractions and keeps the focus on the conversation.

FEATURES

- 100 built-in microphones create a wide, medium, or narrow beam to cover the room or a specific area as needed.
- Audio fencing mode completely removes outside noise and unwanted distractions (available in narrow beam setting only).
- Built-in digital signal processing includes state-of-the-art acoustic echo cancellation, automatic gain control, noise cancellation, and de-reverberation algorithms.
- Automatic configuration and control with Stem Ecosystem platform.
- LED light ring indicates when the device is active, muted, and other statuses.
- Compatible with leading video conferencing platforms.
- Directly connect the standalone device to a PC via USB or use Stem Control Touch Controller to integrate a Stem Ecosystem room solution for video conferencing.
- Power over Ethernet (PoE+).
- Dual mounting options: Low profile with square mount or suspended in chandelier mode.

STEM CEILING
Suspension Mount

STEM CEILING
Low Profile Mount

SPECIFICATIONS (subject to change)

GENERAL

Connector Type	RJ45 and USB Type B
Power Requirements	Power over Ethernet Plus (PoE+) 802.3 at Type 2
Control Application	Stem Ecosystem Platform
Weight	Microphone: 9 lbs (4.1 kg) Square Ceiling Mount: 7.5 lbs (3.4 kg)
Product Dimensions	Microphone: 21.5 x 1.75 in (54.6 x 4.4 cm) D x H at center; H at edge: 0.5 in (1.8cm) Square Ceiling Mount: 23.5 x 23.5 x 1.25 in (59.7 x 59.7 x 3.2 cm) L x W x H Suspension Cable Length: 120 in (304.8 cm)
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

Beam Width	Narrow (20 degrees), Medium (45 degrees), Wide (60 degrees)
Frequency Response	50 Hz to 16 kHz
Built-in DSP	Automatic Voice-Level Adjustment (AGC); 100% Full Duplex, no attenuation in either direction
Noise Cancellation	>15dB (without pumping noise)
Acoustic Echo Cancellation	>40dB with conversion speed of 40dB/sec; residual echo is suppressed to the environment noise level, preventing artificial ducking of signal; High-end performance conforms to ITU-T G.167

ACCESSORIES (included in the box)

CAT 6 Ethernet Cable: 15 ft. (4.6 m)
USB Type A to USB Type B Cable: 12 ft. (3.7 m)
Square Ceiling Mount
Suspension Kit
Gripple Kit