DATA SHEET
PARLÉ™ DCM-XA
BEAMTRACKING™ CEILING MICROPHONE WITH AN INTEGRATED TWO-CHANNEL AMPLIFIER FOR DEVIO UCX





The Parlé DCM-XA is a Beamtracking ceiling microphone with an integrated two-channel amplifier, designed specifically for Devio UCX meeting room systems. It combines automatic talker tracking, clear ceiling-mounted voice pickup, and room audio amplification in a single streamlined device.

The black surface-mount finish blends into dark ceilings and modern room designs, while the integrated amplifier helps simplify loudspeaker connectivity for UC rooms. Purpose-built for Devio UCX, DCM-XA delivers professional microphone and amplification performance without requiring a Tesira DSP platform.

FEATURES

- **Built for Devio UCX** — Designed specifically for Devio UCX meeting room systems.
- **Hear every participant clearly** — Beamtracking technology with four 90° zones provides seamless 360° voice pickup and automatically mixes active talkers without lobe aiming or room mapping.
- **Maintain clean room aesthetics** — the 5.90-inch (150 mm) low-profile ceiling design blends discreetly into modern meeting spaces.
- **Simplify installation** — a single CAT5 cable connects the microphone to its network box, which includes onboard DSP and uses only one AEC channel per microphone.
- **Power loudspeakers directly** — the integrated two-channel PoE+ amplifier delivers up to 40 W @ 4 Ω or 30 W @ 8 Ω per channel, with selectable power modes and built-in limiting for protection.
- **Expand your system easily** — an additional RJ-45 port supports a DCM-XEX expansion microphone (up to two microphones per network box).
- **Integrate with leading UC platforms** — Certified for Microsoft Teams ensuring dependable compatibility across enterprise communication systems.
- **Invest with confidence** — the Parlé DCM-XA is UL 2043 plenum rated, CE marked, UL listed, RoHS compliant, TAA compliant, and backed by a comprehensive five-year warranty.

ARCHITECTS & ENGINEERS SPECIFICATIONS

The Beamtracking™ ceiling microphone shall be designed exclusively for use with Biamp® Devio® UCX systems. The Beamtracking ceiling microphone shall be comprised of a ceiling mount microphone and a network box. The Beamtracking ceiling microphone shall connect directly to a PoE+ port on the Devio UCX via an RJ-45 connector, and shall utilize a proprietary digital protocol for audio networking and control. The Beamtracking ceiling mount microphone shall contain a sixteen-element digital microphone array, and shall provide four 90-degree zones for 360 degrees of coverage. The Beamtracking ceiling microphone shall offer multidirectional beamforming and automatic signal tracking capabilities. The Beamtracking technology shall operate in conjunction with acoustic echo cancellation technology (AEC) in accordance with U.S. Patent 9659576. The Beamtracking ceiling microphone shall be automatically discovered and tuned by Biamp Launch through the Devio UCX, and shall support remote monitoring and management through Biamp Workplace. The Beamtracking ceiling microphone shall offer simple installation and shall be mountable directly to the ceiling. The network box of the Beamtracking ceiling microphone shall provide two output channels of 4 watts of continuous power per channel into a 4-ohm load and an 8-ohm load. The network box of the Beamtracking ceiling microphone shall also provide burst power output of 40 watts per channel into a 4-ohm load, and 30 watts per channel into an 8-ohm load in accordance with ANSI/CTA-2006-B. The network box of the Beamtracking ceiling microphone shall provide connections to Biamp Launch-compatible loudspeakers via RJ-45 connectors. The Beamtracking ceiling microphone shall be powered by PoE+ (IEEE 802.3at Class 4, 30W). The Beamtracking ceiling microphone shall be suitable for use in air handling spaces in accordance with UL 2043, and shall provide an additional RJ-45 connector to allow connection of one expander DCM-XEX microphone. The Beamtracking ceiling microphone shall be CE marked, UL listed, and compliant with the RoHS directive. Warranty shall be three years. The Beamtracking ceiling microphone shall be Parlé™ DCM-XA.

PARLÉ DCM-XA SPECIFICATIONS

GENERAL:

Height:	1.2 inches (30 mm)
Width:	6.8 inches (172 mm)
Depth:	5.2 inches (132 mm)
Diameter:	5.9 inches (150 mm)
Weight:	1.5 lbs (680 g)

ENVIRONMENTAL:

Ambient Temperature Range:	32-104° F (0–40° C)
Humidity:	0–95% relative humidity (non-condensing)
Altitude:	0-10,000 ft (0–3000m) MSL

POWER:

Power:	PoE (IEEE 802.3at Class 3, 15.4W)
Power Indicators:	Power Indicator (Green/Yellow/Red LED)

NETWORK:

Network Connection(s):	
Network Box Connectors - Three RJ-45 One:	One between DCM-X network box and switch
	One between the network box and microphone
	One between DCM-X network box and DCM-XEX

AMPLIFIER:

Number of Channels:	2
Connectors:	RJ-45
Amplifier Topology:	Class D
Burst Power Output (per ANSI/CTA-2006-B @ 1kHz):	
4Ω (per channel):	40W
8Ω (per channel):	30W
Continuous Power Output:	
Single Channel Driven, (4Ω, 8Ω):	8W
Dual Channel Driven (4Ω, 8Ω):	4W
THD+N (20Hz-20kHz, at continuous power):	< 0.3%
Frequency Response (20Hz-20kHz):	± 1dB
Dynamic Range (20Hz-20kHz BW):	> 85dB
Minimum Operational Load:	4Ω
Intermodulation distortion (SMPTE):	< 0.3%
Cross Talk (channel to channel @ 1kHz):	< -90dB

AUDIO:

Microphone Technology:	16-Element Digital ArrayAmbient
Frequency Response:	(150 Hz - 16 kHz): ± 3dB
Polar Pattern:	Active Beamformed
SNR (at 1kHz, 94dBSPL A-Weighted):	> 76dB
Maximum SPL (at < 1% THD):	109dB
Dynamic Range (THD+N < 1%):	92dB, A-Weighted
Indicators:	Mute Indicator (Green/Red LED)
Digital Interface:	Custom/Proprietary
Connector:	RJ-45 (cable length 6.6 feet [2 meters])
Digital Interface:	Custom/Proprietary
Max Distance Between Devices:	330 feet (100 meters) from switch to DCM-X network box
	33 feet (10 meters) between DCM-X network box and DCM-XEX

CERTIFIED SOLUTIONS:

TAA Compliant:	TAA Compliant

COMPLIANCE:

Certifications:	FCC Part 15B (USA)
	CE marked (Europe)
	UL and C-UL listed (USA and Canada)
	RoHS Directive (Europe)
	Evaluated to the requirements of UL 2043 and is suitable for use in air handling spaces

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OPTIONAL ACCESSORIES



BPAK
Backpack adapter kit



Seismic Cable Adapter
Cable adapter for TCM plenum boxes



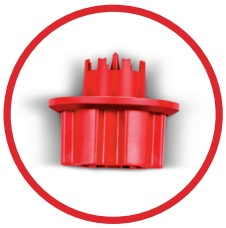
TB-1
Tile bridge for TCM plenum boxes



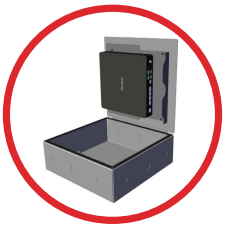
TCM-X-FM
Flush Mount Kit



TCM-X-DK
Plenum attachment for drywall ceilings



TCM-X Installation Tool
Hole saw and driver



Plenum Box 12x12
Chicago compliant plenum box



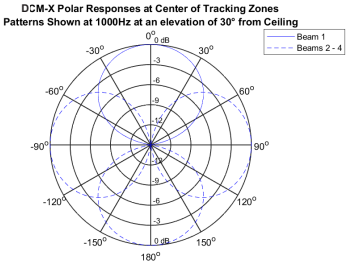
C5E-10-P, C5E-25-P
10ft and 25ft pre-terminated plenum rated Cat 5e cables

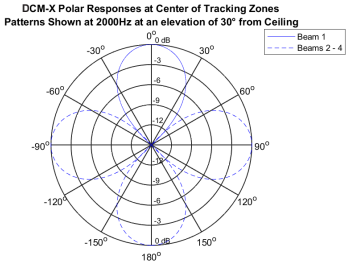


TCM-X-PM
Pole Mount Solution



CCA
Euroblock to category cable adapter





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