

DATA SHEET

PARLÉ™ TCM-XEX

EXPANSION AVB BEAMTRACKING™ CEILING MICROPHONE

The Parlé™ TCM-XEX is an expansion AVB low-profile ceiling microphone for use in Tesira® systems. Each microphone includes Beamtracking™ technology with four 90-degree zones, providing full 360-degree coverage of the meeting space. The TCM-XEX microphone delivers Beamtracking performance in a sleek, unobtrusive design that mounts to the ceiling. The TCM-XEX actively tracks and intelligently mixes conversations from around the table, allowing far-end participants to experience the conversation as they would a face-to-face meeting. The Parlé TCM-XEX is intended to be used as a second microphone in conjunction with the TCM-X or TCM-XA; it cannot operate as a standalone device. The TCM-XEX is well suited for a variety of room types and sizes with 10 foot (3 meter) ceilings or lower that require high-quality audio solutions and low profile or unobtrusive microphones.



FEATURES

- Must be used with a Parlé TCM-X or TCM-XA microphone
- Low profile circular ceiling microphone that measures 5.9 inches (150 mm) in diameter
- Mounts directly to the ceiling to virtually disappear in room
- Beamtracking technology actively tracks and intelligently mixes conversations
- Four 90-degree zones for full 360-degree room coverage
- Uses only one channel of AEC per microphone
- Single cable connection via category cable
- Beamtracking technology works out-of-box without any lobe aiming or room mapping
- LED mute status indicator
- Available in either black or white
- Evaluated to the requirements of UL 2043 and is suitable for use in air handling spaces
- CE marked, UL listed, and RoHS compliant
- Covered by Biamp Systems' five-year warranty

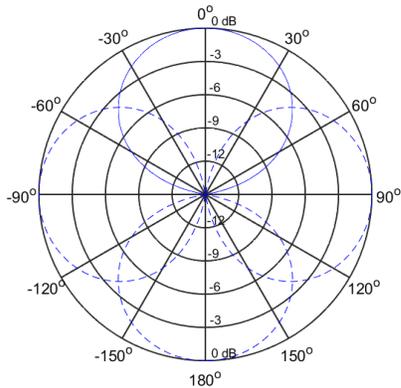
ARCHITECTS & ENGINEERS SPECIFICATIONS

The expansion Beamtracking™ ceiling microphone shall be designed exclusively for use with Biamp® Tesira® systems. The expansion Beamtracking ceiling microphone shall utilize a proprietary digital protocol via an RJ-45 connector for audio networking with a TCM-X or TCM-XA Beamtracking ceiling microphone. The expansion Beamtracking ceiling mount microphone shall contain sixteen-element microphones, and shall provide four 90-degree zones for 360 degrees of coverage. The expansion 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 signal processing of the expansion Beamtracking ceiling microphone shall be configurable via the Tesira design software, including but not limited to: signal routing and mixing, equalization, filtering, dynamics, and delay, as well as control, monitoring, and diagnostic tools. The expansion Beamtracking ceiling microphone shall offer simple installation and shall be mountable directly to the ceiling. The Beamtracking ceiling microphone shall be suitable for use in air handling spaces in accordance with UL 2043. The expansion Beamtracking ceiling microphone shall be CE marked, UL listed, and compliant with the RoHS directive. Warranty shall be five years. The expansion Beamtracking ceiling microphone shall be Parlé™ TCM-XEX.

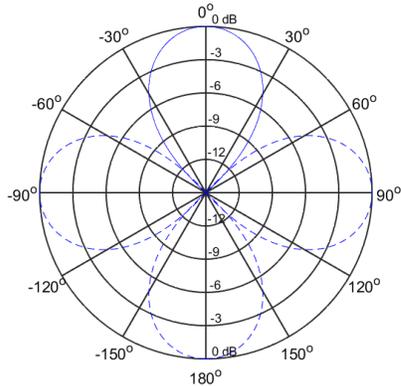
PARLÉ TCM-XEX SPECIFICATIONS

CEILING MOUNT MICROPHONE		Power:	Custom/Proprietary
Microphone Technology:	16-Element Digital Array	Max Distance Between Devices:	33 feet (10 meters) between TCM-X/-XA network box and TCM-XEX
Frequency Response (150 Hz - 16 kHz):	± 3dB	Environmental	
Polar Pattern:	Active Beamformed	Ambient Operating Temperature Range:	32 - 104° F (0 - 40° C)
SNR (at 1kHz, 94dB SPL A-Weighted):	> 76dB	Humidity:	0-95% relative humidity (non-condensing)
Maximum SPL (at < 1% THD):	109dB	Altitude:	0-10,000 ft (0-3000m) MSL
Dynamic Range (THD+N < 1%):	92dB, A-Weighted	Compliance:	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
Indicators:	Mute Indicator (Green/Red LED)		
Digital Interface:	Custom/Proprietary		
Connector:	RJ-45 (cable length 10 feet [3 meters])		
Overall Dimensions			
Height (excluding ceiling mount):	0.6 inches (15 mm)		
Diameter:	5.9 inches (150 mm)		
Weight:	TBD		

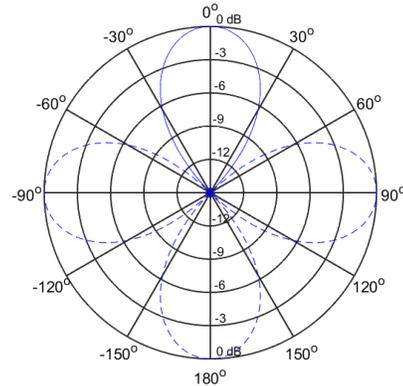
BEAMFORMING RANGE
Polar Pattern Shown at 1000Hz at an elevation of 30°



BEAMFORMING RANGE
Polar Pattern Shown at 2000Hz at an elevation of 30°



BEAMFORMING RANGE
Polar Pattern Shown at 4000Hz at an elevation of 30°



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