

TECHNICAL DATA

ControlSpace EX-4ML

mic/GPIO Dante™ endpoint

Product Overview

Optimized for use with the EX-1280C, the EX-4ML Dante™ endpoint, is a convenient, cost effective solution for connecting up to 4 conferencing microphones over a single Cat 5/6 cable. Whether used under a conference table, daisy-chained with other EX or endpoints, or standalone in a rack, the EX-4ML adds 4 high-quality microphone/line inputs, 4 GPI, and 8 GPO to your networked audio system. Autodiscovery, drag and drop programming, auto-routing, and simplified logic control in ControlSpace Designer make configuring the EX-4ML easy. Tasks such as configuring microphone LED status and microphone mute actions are greatly simplified within ControlSpace Designer without requiring external control system programming.



Key Features

One-cable-to-the table connectivity supports PoE+ and Dante audio networking to maximize ease of integration

Internal 12 volt supply for localized sourcing of power for microphone LEDs

Dual network and power connectors allow daisy-chaining of multiple ControlSpace EX endpoints

Rotatable mounting tabs allow for multiple installation options

Low-profile aluminum enclosure for unobtrusive under-table mounting

Simplified software configuration via ControlSpace Designer software. Supports auto-discovery, auto-routing, and logic presets for microphone LEDs and pushbuttons.

Integrated power and signal indicators via recessed LEDs

Optional magnetic mounting plate simplifies single-handed installation

Accessory 60 W power supply available for increased endpoint connectivity

Applications

Designed for a wide range of applications, including:

- Boardrooms
- Medium/large conference rooms
- Courtrooms
- Distance learning
- Auditoriums
- Multipurpose spaces

TECHNICAL DATA

ControlSpace EX-4ML

mic/GPIO Dante™ endpoint

Technical Specifications

AUDIO INPUTS	
Input channels	Four (4) analog, balanced microphone/line level
Connectors	Four (4) 3.81 mm detachable Euroblock connectors, 7-pin
Phantom power	+48 VDC, software selectable per input
Control GPIO	2 logic outputs (100 mA low, 8 V open, 10 mA @ 2.5 V high) 1 logic input (0 to 5 V, threshold = 1.6 V, 2 kΩ pull-up to 5 V)
Gain settings	0 / +15 / +30 / +45 dB, software selectable
Input impedance	>1.8 kΩ at any gain setting
Equivalent input noise	-115 dBu (+45 dB gain)
Maximum input level	+8 dBu (0 dB gain)
System THD	<0.01 % at any gain setting, input signal 3 dB below maximum
Frequency response	20 Hz — 20 kHz, ±1 dB
NETWORK	
Connectors	Two (2) RJ-45, one front (supports PoE+), one rear
Audio over IP	Dante™ Ultimo X4
POWER	
Microphone LED power	+12 VDC, 200 mA
PoE class	Class 0 802.3at PoE+, PD compliant
Connectors	(2) 3.81 mm Euroblock connector, 2-pin
External power supply	+12 VDC, daisy-chainable
Power consumption	4.3 W plus 1 W for phantom power if used
Maximum PoE+ power	24 W (internal +12 VDC output)
SOFTWARE APPLICATIONS	
Configuration	ControlSpace Designer software v5.0 or later
GENERAL	
LED status indicators	Power LED, four (4) tri-color signal status for input channels
Digital conversion	48 kHz / 24-bit
Certifications	FCC Part 15 Class A; UL 60950-1, 2nd edition, 2014-10-14, CAN/CSA C22.2 No. 60950-1-07, 2nd edition, 2014-10, IEC 60950-1:2005 (2nd edition)
Operating temperature	0 °C to 40 °C (32 °F to 104 °F)
Accessories	ControlSpace EX Endpoint Microphone Extension Cable (790081-0010) ControlSpace EX Endpoint Mounting Bracket (790080-0110) ControlSpace EX Endpoint Power Supply (800446-1110)
PRODUCT CODES	
ControlSpace EX-4ML	CONTROLSPACE EX 4-CH MIC/GPIO Dante UTB (771783-0110)

For additional specifications and application information, please visit [boseprofessional.com](https://www.boseprofessional.com). Specifications subject to change without notice. 03/2023

TECHNICAL DATA

ControlSpace EX-4ML

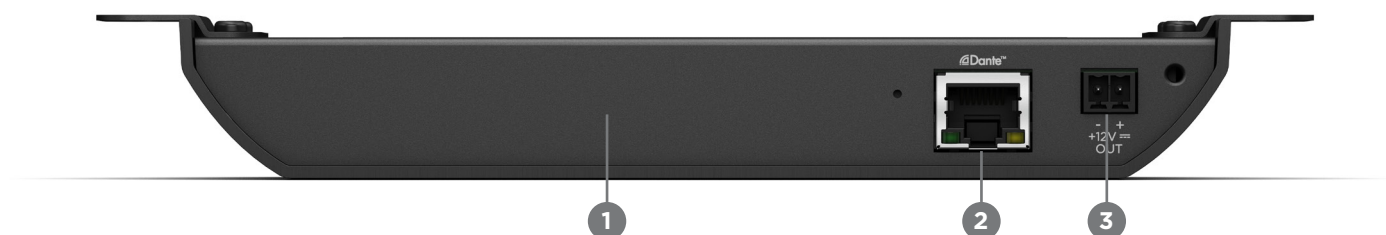
mic/GPIO Dante™ endpoint

Front Panel



1. **Rotatable Mounting Tabs:** For multiple mounting options
2. **+12 VDC Connector:** External DC power supply input
3. **Gigabit Network Port:** Supports PoE+, Dante and network control
4. **Microphone Analog Inputs (4):** Provides connection to conference mic: +48V phantom power, 2 GPO, 1 GPI, +12V per channel

Rear Panel

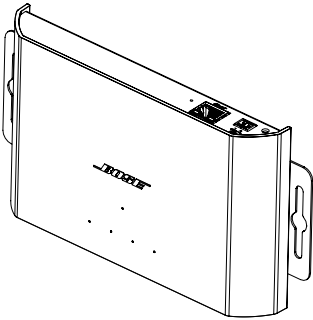


1. **Rugged Metal Enclosure:** Sleek and unobtrusive for under-table use
2. **Dante/Network Connector:** Daisy-chainable Dante or service port
3. **Daisy-Chainable Power Output:** For daisy-chaining power to additional EX endpoints

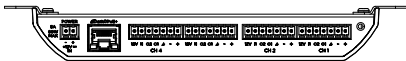
TECHNICAL DATA

ControlSpace EX-4ML
mic/GPIO Dante™ endpoint

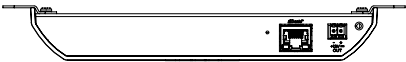
Mechanical Diagrams¹



Front View

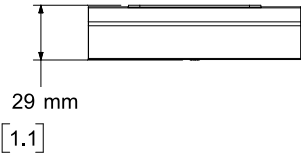


Rear View

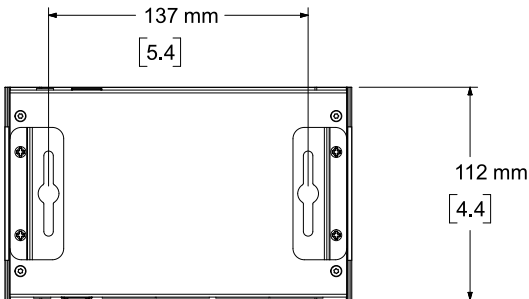


Right View

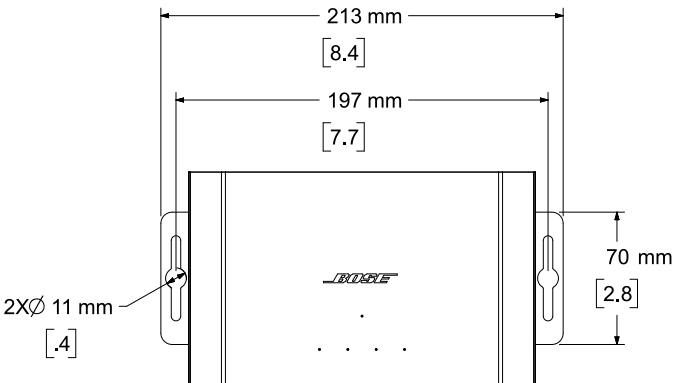
DIMENSIONS APPLY TO BOTH SIDES



Top View



Bottom View



1. DIMENSIONS ARE SHOWN IN MILLIMETERS OVER INCHES.

Bose is a trademark of Bose Corporation. ControlSpace is a trademark of Transom Post OpCo LLC. Dante® is a registered trademark of Audinate Pty Ltd. All other trademarks are the property of their respective owners.

For additional specifications and application information, please visit [boseprofessional.com](https://www.boseprofessional.com). Specifications subject to change without notice. 03/2023