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.



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 undertable 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

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Technical Specifications

Input channels Four (4) analog, balanced microphone/line level
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
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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)

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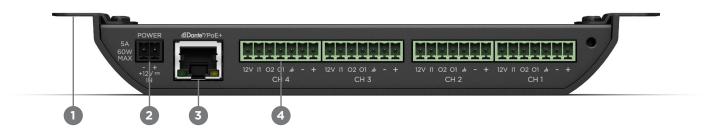
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TECHNICAL DATA

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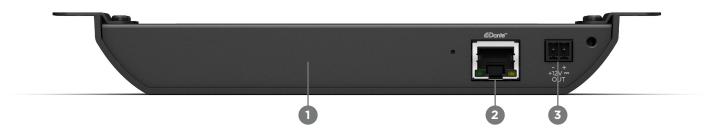
mic/GPIO Dante™ endpoint

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



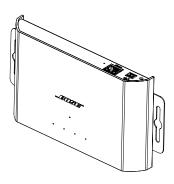
- 1. Rugged Metal Enclosure: Sleek and unobtrusive for under-table use
- 2. Dante/Network Connector: Daisy-chainable Dante or service port
- 3. Daisy-Chainable Power Output: For daisy-chaining power to additional EX endpoints

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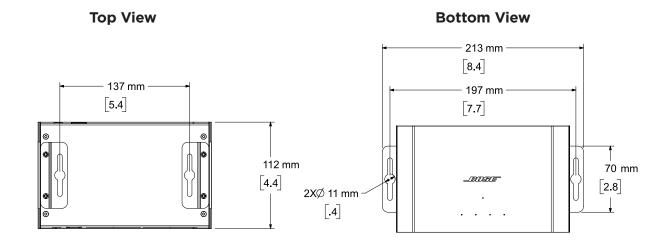
Mechanical Diagrams¹



Front View



Rear View DIMENSIONS APPLY TO BOTH SIDES 29 mm [1.1]



1. DIMENSIONS ARE SHOWN IN MILLIMETERS OVER INCHES.

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