

ControlSpace® ESP-00 4-channel mic/line input card II

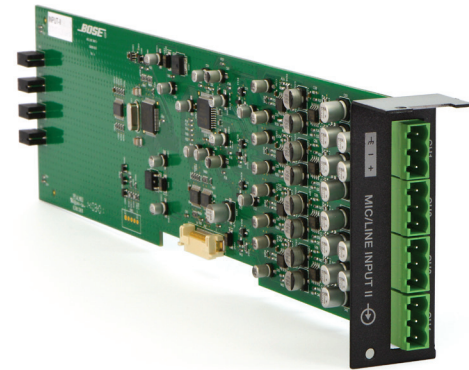


Product Overview

The Bose® 4-channel mic/line input card II for card-frame ControlSpace® engineered sound processors provides four high-quality analog input channels, accommodating a wide range of signals from both line-level devices and microphones using software-selectable gain control up to 64 dB and switchable +48 VDC* phantom power.

Technical Specifications

Audio Inputs	
Input Channels	Four (4) analog, balanced, microphone/line level
Connectors	Four (4) 5.08 mm Euroblock, 3-pin
Input Impedance	12 k Ω @ 1 kHz (with or without active phantom power)
Maximum Input Level	+24 dBu
Equivalent Input Noise (EIN)	-123 dBu (A-weighted, 20 Hz – 20 kHz, 150 Ω input, 64 dB gain setting)
Phantom Power	+48 VDC*, 10 mA per channel, selectable per input
Gain Settings	0 / 14 / 24 / 32 / 44 / 54 / 64 dB
Audio Performance	
Frequency Response	20 Hz – 20 kHz (\pm 0.1 dB)
THD+N	0.002% (A-weighted, 20 Hz – 20 kHz, +4 dBu @1 kHz input)
Channel Separation	< -105 dB at +4 dBu input level, 1 kHz
Dynamic Range	> 118 dB (A-weighted, 20 Hz – 20 Hz)
Indicators	
Signal	Green (-60 to -20 dBFS), Yellow (-20 to -2 dBFS), Red (-2 to 0 dBFS)
Software Application	
ControlSpace® Designer™ Software	v4.1 or later
General	
Product Code	638298-0010
Compatible With	ControlSpace ESP-00 II engineered sound processor* ControlSpace ESP-00 engineered sound processor (+15 VDC phantom) ControlSpace ESP-88 engineered sound processor (+15 VDC phantom)
Box Contents	(1) expansion card, (4) Euroblock connectors, (4) cable ties, (1) installation guide
Slot Requirement	One space
Routing Slot Allocation	1



Key Features

- 4 balanced analog mic/line level inputs
- +48 volts phantom power @ 10 mA/ch
- Selectable input gain up to 64 dB
- Dynamic range of >118 dB

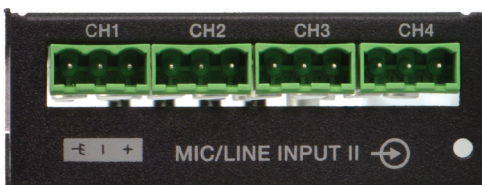
Applications

The ControlSpace ESP-00 4-channel mic/line input card II enables card-frame Bose engineered sound processors to expand the number of mic/line inputs.

Designed for a wide range of applications, including:

- Performing arts venues
- Hotels and conferencing facilities
- Religious and worship facilities
- Health clubs
- Retail and shopping centers
- Sports venues
- Schools and universities

Connector Panel



*Available on ESP-00 II processors with product code 370610 only, otherwise +15 VDC phantom power.

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