

# ControlSpace® ESP-00 CobraNet® I/O expansion card



## Product Overview

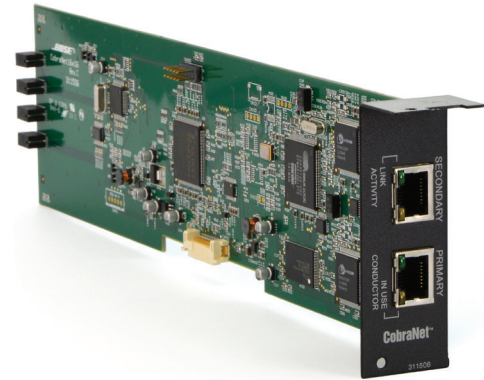
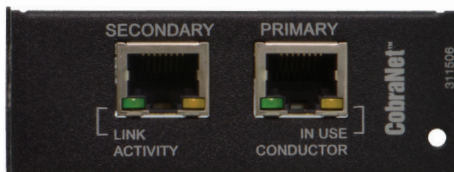
The CobraNet® network card for card-frame Bose® ControlSpace® engineered sound processors provides 16 input and 16 output channels of digital audio using CobraNet audio networking technology. Each card provides dual 100 Mb Ethernet ports. The secondary port is used for redundant connections.

Bose ControlSpace Designer™ software offers device configuration and control for Bose processors and PowerMatch® configurable professional power amplifiers using CobraNet to help streamline system design and installation.

## Technical Specifications

Audio Channels	
Channels In/Out	16x16
Interface	
Connectors	Two 100 Mb Ethernet RJ-45
Channel Modes	16x16, 16x8, 8x16, 8x8, 16x0, 0x16, 8x0, 0x8
Secondary Port	Redundant, auto-failover on physical connection loss
Format	48 kHz PCM
Bit Depth Settings	16, 20 (default), and 24 bit
Latency settings	5.33 (standard), 2.66, 1.33ms
Input Bundle	0 (default, disabled)
Output Bundle	0 (default)
Interface Data	CobraNet network audio
Indicators	
Signal	Green (-60 to -20 dBFS), Yellow (-20 to -2 dBFS), Red (-2 to 0 dBFS) LED 1: CobraNet input channels 1-8 (top LED) LED 2: CobraNet input channels 9-16 LED 3: CobraNet output channels 1-8 LED 4: CobraNet output channels 9-16 (bottom LED)
Rear Panel	In Use/Conductor indicator: Solid yellow if Performer, flashing if Conductor Link/Act indicator: solid green (link established), flashing green (data activity)
Software Application	
ControlSpace® Designer™ Software v3.0 or later	
General	
Product Code	311506
Compatible With	ControlSpace ESP-00 II engineered sound processor ControlSpace ESP-00 engineered sound processor ControlSpace ESP-88 engineered sound processor (built 2008 or later)
Box Contents	(1) expansion card, (1) installation guide
Slot Requirement	One space, one network card per chassis
Routing Slot Allocation	1, 2, 3 or 4 (dependant on channel mode)

## Connector Panel



## Key Features

- 16x16 channel I/O
- Dual 100 Mb Ethernet connections
- Supports redundant operation
- LED indicators for audio signal and network status

## Applications

The ControlSpace ESP-00 CobraNet I/O expansion card enables card-frame ControlSpace engineered sound processors to be used in a range of installed sound applications implementing new or existing CobraNet networks.

For more information on configuring Bose professional system electronics for use with CobraNet network audio, refer to the CobraNet application notes available at [pro.bose.com](http://pro.bose.com).

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

# CobraNet®

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