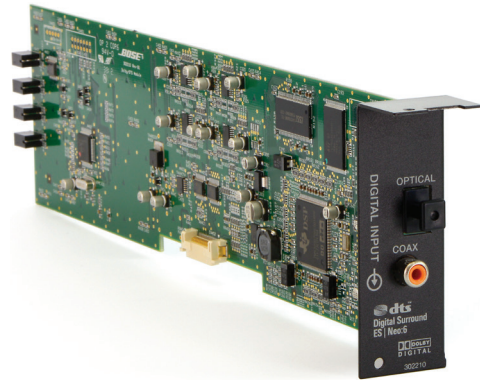# ControlSpace® ESP-00 surround sound decoder card

Product Overview

The Bose® surround sound decoder card for card-frame ControlSpace® engineered sound processors provides surround sound decoding for Dolby® 5.1, DTS® 5.1/6.1 and stereo PCM formats over coaxial and optical, eliminating the need for an external decoder.

Bose ControlSpace Designer™ software features a surround card configuration panel with testing and tuning options for implementing surround sound sources in system installations.

Technical Specifications

Digital Audio	
Channels	Eight (8) channels (maximum, based on format)
Formats	PCM, 2 channel (44.1 kHz) PCM, 2 channel (48 kHz) Dolby Digital 1.0, 2.0, 5.1 (48 kHz) DTS 1.0, 2.1, 3.0, 4.0, 5.0, 5.1 (48 kHz) DTS ES Discrete 6.1 and Matrix 6.1 (48 kHz) DTS CD (44.1 kHz)
Playback Outputs	Left (L), Right (R), Center (C), Right Surround (Rs), Back Surround Right (Bsr), Back Surround Left (Bsl), Left Surround (Ls), and Low Frequency Effect (LFE)
Connectors	Optical (TOSLINK), Coax
Indicators	
Signal	Green (-60 to -20 dBFS), Yellow (-20 to -2 dBFS), Red (-2 to 0 dBFS) LED 1: L/R channels (top LED) LED 2: Ls/Rs channels LED 3: C/LFE channels LED 4: Bsl/Bsr channels (bottom LED)
Software Application	
ControlSpace® Designer™ Software v2.0 or later	
General	
Product Code	302210
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) coaxial cable, (1) installation guide
Slot Requirement	One space
Routing Slot Allocation	1

Connector Panel

Key Features

- Surround decoding of Dolby Digital and DTS core audio formats

- Optical and coaxial inputs for connection with CD, DVD, and Blu-ray disc players

- Testing and tuning tools available using ControlSpace Designer software

- Ability to change system settings (parameter sets) based on detected audio mode

Applications

The ControlSpace ESP-00 surround sound decoder card interfaces with standard media players offering digital optical or coaxial connections. For use in applications requiring the decoding, processing, distribution and control of discrete Dolby and DTS surround channels.

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