



Digital Expansion Processor

Works with QSC DCP 200 and 300 cinema processors to create the most powerful networked audio solution for cinema.

Features

- Supports remote mounted amplifiers with the QSC DCP 200 and 300
- Provides advanced loudspeaker processing as well as a common user interface with the QSC DCP
- Dual power supplies provide continuous operation in the event of primary supply failure
- Full DataPort monitoring of the remote amps is provided via the CobraNet audio and data link to the DCP
- Contact closure inputs can receive audio and control presets from DCP 200/300
- Relay outputs can use DCP control presets to trigger events like masking, curtain or dimmer changes
- Microphone/line input for lectern mic, or non-sync devices such as CD/MP3 player
- Can be controlled via Wi-Fi on Android and iOS mobile devices



The key to easy digital cinema audio system expansion.

The DXP Digital Expansion Processor works with QSC DCP 200 and DCP 300 to provide expansion capability to a networked digital cinema audio system. DCA Series amplifiers connect to the DXP via twelve DataPorts for maximum output and control flexibility for even the largest systems. The DataPort VGA-style connections supply audio to the amplifier and control the AC power while monitoring key amplifier conditions such as clipping and heat sink temperature. The audio output of the amplifier is returned to the DCP through the DXP via the CobraNet connection so that it can be listened to via the DCP's built in monitor speaker. For very large systems or systems with surround and screen amps in separate locations from the DCP, up to two DXPs may be connected to each DCP. The DCP/DXP combination is ideal for multi-channel audio systems with up to 16 inputs.

Reduce cabling and labor costs.

When mounted behind the screen with the amplifiers, the DXP eliminates the need for long and expensive speaker cables and conduit. Inexpensive Ethernet cable and a local AC power source can greatly reduce the cost of system wiring. The DXP is also useful in "boothless" cinema concepts, since the entire sound system need not be located in a single, large rack. Moving signals via CobraNet™ over standard Cat-5 cable and Ethernet hardware potentially replaces hundreds of audio cables, vastly reducing installation, labor and material costs. It also improves performance by eliminating the losses inherent in long cable runs.

Easily control other cinema operations.

Included are four relay outputs which operate via DCP control presets to allow external devices like masking and curtain motors and dimmers to be operated through the DCP network and mobile control applications.

For ease of use, the DCP/DXP system can be remotely controlled on a Wi-Fi network with Android™ and iOS devices. The DCPConnect application is a free download from the App Store. Remote control of volume and audio and control preset selection are provided along with a system diagnostics page that assures all amps and speakers are operating correctly.

DXP Details

DXP

Front Panel Controls

Page Button

Set Button

Menu-driven LCD

Status Indicator LED

Power Indicator LED

Rear Panel Connectors

Mic/Line Input XLR-F

DataPort Outputs HD-15 (12) – QSC amplifier interface

Relay Outputs 3-pin Euro-style (x4)

Contact Closure Inputs 2-pin Euro-style (x2)

CobraNet RJ45s 100 Mbps primary/backup network audio

Power IEC AC input 100-240 VAC

Audio Network

Protocol CobraNet version 2 protocol

Data Rate 100 Mbps (Fast Ethernet)

Ports 1 Primary, 1 Backup (auto-failover)

Connection Requirements Cat-5 UTP cable or better (100m maximum length), direct connection from DCP 200/300

Line voltage Requirements 100 VAC-240 VAC, 50/60 Hz

Dimensions (HWD) 1.75" x 19" x 15" (44 mm x 483 mm x 380 mm)

Weight 10 lb (4.5 kg)

Specifications subject to change without notice.



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