

BOSCH DCN-NG Next Generation Audio Expander

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Specify Part Number

LBB 4402/00



The audio expander can contribute audio to and distribute audio from the system. Typical applications are room coupling and audio distribution.

Features

- Award winning design
- Room coupling facility
- Versatile audio distribution facility
- Optical network for coupling to the CCU
- Designed for redundant network cabling. The network can be either single branch or redundant loop
- Four audio line inputs (of which 2 can be configured as microphone input) for floor and interpretation channels
- Four audio line outputs for floor and interpretation channels
- Flexible routing of floor and interpretation channels
- Adjustable sensitivity for the audio inputs
- Adjustable level for the audio outputs
- Configuration of the Audio Expander via a display and one single rotary push button
- Each Audio Expander can be assigned a unique name by the installer for easy identification
- VU meter readings to monitor audio inputs and audio outputs.
- 19" (2U) housing for table top or rack mounting
- Handgrips for easy transportation
- 19" rack mounting brackets, detachable feet and mounting accessories included
- The unit is powered from the network

Accessories



DCN-CCU-UL DCN-NG 32-Channel Central Control Unit

The Central Control Unit (CCU) is the heart of the interpretation system with as many as 2 x 32 high quality audio channels; allowing for interpretation application with floor and 31-interpretation languages.



LBB 4416/XX DCN-NG Optical Network Cables

This is a special cable with 2 plastic fibers for data and audio communication and 2 copper cores for the power supply.



DCN-EPS-UL DCN-NG Extended Power Supply

Use this power supply with a CCU to supply power to a maximum of 180 additional units.

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Don't miss a single sound.



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Specifications

Controls and indicators	2 x 16 Character LCD display for status display and configuration of the Audio Expander	
	Rotary control at the front to navigate through the LCD menus	
Interconnection	Two optical network connections for connecting to the CCU	
	Four 3-pole XLR balanced audio line inputs with galvanic separation	
	Four stereo Cinch unbalanced audio line inputs	
	Four 3-pole XLR balanced audio line output with galvanic separation	
	Four stereo Cinch unbalanced audio line outputs	
	8 x control inputs to enable audio inputs and audio outputs	
	5 x control outputs to indicate channel engaged state	
	1 x headphone output 0.14 in. (.5 mm) stereo	
Electrical characteristics	Supply voltage	24 – 48 Vdc
	Power consumption	5.6 W
Performance	Frequency response	30 Hz – 20 kHz (-3dB at nominal level)
	THD at nominal level	< 0.5 %
	Cross talk attenuation	> 85 dB at 1 kHz
	Dynamic range	> 90 dB
	Signal-to-noise ratio	> 87 dBA
Audio inputs/outputs	Line Input	
	XLR nominal input	- 12 dBV (\pm 6 dB)
	XLR maximum input	+ 12 dBV
	Cinch nominal input	-24 dBV (\pm 6 dB)
	Cinch maximum input	+ 0 dBV
	Microphone Input	
	Nominal input	-57 dBV (\pm 6 dB)
	Maximum input	-51 dBV
	Phantom supply	12 V \pm 1 V @ 15 mA
	Line Output	
	XLR nominal output	- 12 dBV (+ 6/- 24 dB)
	XLR maximum output	+ 12 dBV
	Cinch nominal output	-24 dBV (+ 6/- 24 dB)
	Cinch maximum output	+ 0 dBV
Physical characteristics	Mounting	Free-standing or mounted in a 19" rack
	Dimensions (H x W x D)	with brackets, without feet: 3.6 x 17.3 x 13.8 in. (88 x 483 x 350 mm) w brackets, with feet: 3.6 x 17.3 x 13.8 in (92 x 440 x 350 mm)
	Weight	17 lbs. (7 kg)
	Color	Charcoal with silver

Photographs, CAD drawings, etc. available at www.ListenTech.com.

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