

LBB 4402/00 Audio Expander

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BOSCH
Invented for life



- ▶ Stylish and modern design (IF award)
- ▶ Room coupling facility
- ▶ Versatile audio distribution facility
- ▶ Optical network for coupling to the CCU
- ▶ Redundant network capability

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

Functions

- Redundant network cabling can be either single branch or redundant loop
- Audio line inputs (of which 2 can be configured as microphone input) for floor and interpretation channels
- 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 a 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. The audio can be monitored using a headphone
- 19" (2U) housing for table top or rack mounting
- Handgrips for easy transportation
- The unit is powered from the network

Controls and Indicators

- 2 x 16 Character LCD display for status display and configuration of the Audio Expander
- Rotary/push control to navigate through the LCD menus

Interconnections

Front

- One stereo headphone output 3.5 mm (0.14 in)

Back

- Two optical network connections for connecting to the CCU
- Four three-pole XLR balanced audio line inputs with galvanic separation
- Four stereo Cinch unbalanced audio line inputs
- Four three-pole XLR balanced audio line outputs with galvanic separation
- Four stereo Cinch unbalanced audio line outputs
- Eight control inputs to enable audio inputs and audio outputs
- Five control outputs to indicate channel engaged state

Certifications and approvals

Region	Certification
Europe	CE

Technical specifications

Electrical

Supply voltage	24 to 48 VDC
Power consumption	7.6 W (DC)
Frequency response	30 Hz to 20 kHz (-3 dB at nominal level)
THD at nominal level	<0.5%
Crosstalk attenuation	>85 dB at 1 kHz
Dynamic range	>90 dB
Signal-to-noise ratio	>87 dBA

Audio line inputs

XLR nominal input	0 dBV (± 6 dB)
XLR maximum input	+12 dBV
Cinch nominal input	+12 dBV (± 6 dB)
Cinch maximum input	0 dBV

Audio mic inputs

Nominal input	57 dBV (± 6 dB)
Maximum input	26 dBV
Phantom supply	12 V \pm 1 V at 15 mA

Audio line outputs

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

Mechanical

Dimensions (H x W x D)	
for tabletop use, with feet	92 x 440 x 400 mm (3.6 x 17.3 x 15.7 in)
for 19" rack use, with brackets	88 x 483 x 400 mm (3.5 x 19 x 15.7 in)
in front of brackets	40 mm (1.6 in)
behind brackets	360 mm (14.2 in)
Weight	7 kg (15.4 lbs)
Mounting	Tabletop, 19"-rack
Color	Charcoal (PH 10736) with silver

Ordering information

LBB 4402/00 Audio Expander

Inserts external audio into the system and extracts audio from the system.

Order number **LBB4402/00**

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