



# LBB 4402/00 Audio Expander



- ▶ **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

## Parts Included

### Quantity Component

|   |                                       |
|---|---------------------------------------|
| 1 | LBB 4402/00 Audio Expander            |
| 1 | Set of mounting brackets for 19" rack |
| 1 | Set of feet                           |
| 1 | Set of connectors                     |

## 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 ( $\pm 6$ dB)   |
| XLR maximum input   | +12 dBV               |
| Cinch nominal input | +12 dBV ( $\pm 6$ dB) |
| Cinch maximum input | 0 dBV                 |

### Audio mic inputs

|                |                         |
|----------------|-------------------------|
| Nominal input  | 57 dBV ( $\pm 6$ 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<br>(3.6 x 17.3 x 15.7 in) |
| for 19" rack use, with brackets | 88 x 483 x 400 mm<br>(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.

**LBB4402/00**

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