# LBB 4430/00 Call Station Basic

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**BOSCH**
*Invented for life*

- ▶ Redundant network connection
- ▶ Power 'ON' indication
- ▶ Status/fault indications
- ▶ Indication that the priority level of destinations is higher than that of the pending announcement
- ▶ Supervision of microphone capsule

The call station basic can make manual or pre-recorded announcements to any pre-assigned zones. The call station basic has a microphone on a flexible stem, a push-to-talk button, a speaker, and a headset socket.
The LBB 4430/00 can be extended with up to 16 keypads (LBB 4432/00 or LBB 4434/00), each with eight programmable keys. Extension with a numeric keypad (PRS-CSNKP) is also possible.

## Functions

The call station has a cardioid, supervised microphone on a gooseneck stem with good speech intelligibility. A limiter and a speech filter improve intelligibility and prevent clipping of the audio. It has a volume control for the monitoring speaker and the headset. When it plays a chime or a pre-recorded message, the call station activates its speaker. When a headset is connected, it replaces the microphone and speaker. The call station has its own DSP, and converts between analog and digital audio. The audio processing can include sensitivity adjustment, limiting, and parametric equalization.

Up to 16 call station keypads can connect to the station via a serial communication link. The station provides the power for the keypads. Up to 224 priorities can be assigned to the call station. All configuration can be done via the Praesideo network controller.

The call station is fully supervised and supports fail-safe operation. Even if the Praesideo network controller fails, the call station is still able to put through emergency calls.

**Controls and indicators**
- Three status LEDs
- Configurable PTT-key
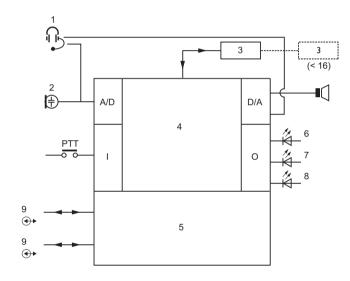- Volume control for loudspeaker/headset

**Interconnections**
- Two system network connections
- Serial data and power supply interface for call station keypads
- 3.5 mm jack for headset

## Certifications and approvals

| | |
|---|---|
| Safety | acc. to IEC 60065 / EN 60065 |
| Immunity | acc. to EN 55103-2 / EN 50130-4 / EN 50121-4 |
| Emissions | acc. to EN 55103-1 / FCC-47 part 15B |
| Emergency | acc. to EN 60849 / EN 54-16 / ISO 7240-16 |
| Maritime | acc. to IEC 60945 |

| Region | Certification |
|---|---|
| Europe | CE |
| | CPD |
| Poland | CNBOP |

## Installation/configuration notes



| | |
|---|---|
| 1 | Headset |
| 2 | Microphone |
| 3 | Keypad(s) |
| 4 | Network processor and DSP |
| 5 | Network redundancy switching |
| 6 | Power/error |
| 7 | Call station status |
| 8 | Network status |
| 9 | Network connections |

## Parts included

| Quantity | Component |
|---|---|
| 1 | LBB 4430/00 Call Station Basic |
| 1 | Flat cable |

## Technical specifications

**Electrical**

| | |
|---|---|
| External power supply | 18 to 56 VDC |
| Power consumption | 4.4 W (DC) excluding keypads |

**Microphone**

| | |
|---|---|
| Nominal acoustic input level | 75 to 90 dB SPL |
| S/N | >60 dB at 85 dB SPL |
| Frequency response | 340 Hz to 14 kHz (-3 dB) |

**Loudspeaker**

| | |
|---|---|
| S/N | 80 dB at max. output |
| Sound pressure level | 85 dB (SPL) at 0.5 m and 1 kHz |

**Headset**

| | |
|---|---|
| Connector | 3.5 mm jack |
| Recommended type | Hosiden HBH 0058 |

**Mechanical**

| | |
|---|---|
| Dimensions (H x W x D) | 90 x 160 x 200 mm |
| Weight | 0.95 kg (2.1 lb) |
| Mounting | Tabletop |
| Color | Charcoal |
| Length of mic stem | 380 mm |

**Environmental**

| | |
|---|---|
| Operating temperature | -5 ºC to +45 ºC (+23 ºF to +113 ºF) |
| Storage temperature | -20 ºC to +70 ºC (-4 ºF to +158 ºF) |
| Humidity | 15% to 90% |
| Air pressure | 600 to 1100 hPa |

## Ordering information

**LBB 4430/00 Call Station Basic**
has a microphone on a flexible stem, a push-to-talk button, a speaker, and a headset socket.
Order number **LBB4430/00**

**Accessories**
**LBB 4432/00 Call Station Keypad**
has eight programmable buttons, each with a two-color status LED.
Order number **LBB4432/00**

**LBB 4434/00 Call Station Keypad Kit**
used in combination with a call station kit or call station basic to make manual or pre-recorded announcements to any assigned zones, or to execute pre-defined actions.
Order number **LBB4434/00**

**PRS-CSNKP Numeric Keypad**
can be used for user access, zone and zone group
selection. LCD for user feedback.
Order number **PRS-CSNKP**