

**BOSCH**  
Invented for life

# LBB 1956/00 Plena Voice Alarm Call Station



- ▶ **Stylish six-zone call station for the Plena Voice Alarm System**
- ▶ **Six zone selection keys, all-call key and momentary PTT-key for calls**
- ▶ **Selectable gain, speech filter, limiter, and output level for improved intelligibility**
- ▶ **LED indications for zone selection, fault, and emergency state**
- ▶ **Call station extension provides seven additional zone and zone group keys**

The Plena call station is a stylish, high-quality call station with a stable metal base design, a flexible microphone stem and a unidirectional condenser microphone. It can make calls to selected zones (one to six and all-call) in a public address system built with the Plena Voice Alarm System. In addition to tabletop use, the special design allows it to be neatly flush-mounted in desktops. The Plena Voice Alarm Keypad (LBB 1957/00) is an extension adding seven additional keys.

## Functions

Each call station supports six zone selections. The number of selectable zones or zone groups can be increased by connecting call station keypads (LBB 1957/00). Up to eight keypads can be added with each keypad adding seven zone or zone-group keys.

This call station features selectable gain, a selectable speech filter, and a limiter for improved intelligibility. The call station has a balanced line level output, making it possible to position it up to 1000 meters from the controller, using CAT-5 extension cables. With shielded cable, the call station can also be used in an EMC level 5 (heavy industry) environment.

DIP switches at the base of the call station select different microphone gain levels, the call station ID, and the speech filter. A service accessible rotary control provides microphone level attenuation. LEDs on the call station show which zones have been selected. Three additional LEDs give visible feedback on the active state of the microphone and the system. Green flashing means standby (chime is sounding). Green indicates microphone active. Amber indicates that the system has detected a fault (IEC 80649), and red indicates that the system is in the emergency state.

## Controls and indicators

- Four status LEDs
- PTT-key
- PTT status LED
- Six zone selection keys
- Six zone selection LEDs
- All-call key
- Eight DIP switches
- Rotary volume control

## Interconnections

- Two RJ45 jacks
- 24 VDC input
- Keypad connector

## Certifications and Approvals

Region	Certification	
Europe	CE	Declaration of Conformity
Safety		acc. to EN 60065
Immunity		acc. to EN 55103-2
Emission		acc. to EN 55103-1
EVAC		acc. to EN 60849 acc. to EN 54-16

## Parts Included

Quantity	Components
1	LBB 1956/00 Plena Voice Alarm Call Station
1	Cable terminated with a lockable CAT-5 connector

## Technical Specifications

### Electrical

#### Power Supply

Voltage range	24 VDC supplied by LBB 1990/00 (or 18 to 24 VDC or VAC external power supply)
---------------	--

Current consumption	<30 mA (plus <15 mA per keypad)
---------------------	---------------------------------

### Performance

Nominal sensitivity	85 dB SPL (gain preset 0 dB)
---------------------	------------------------------

Nominal output level	700 mV
----------------------	--------

Input sound level (max)	110 dB SPL
-------------------------	------------

Gain preset	+6 / 0 / -15 dB
-------------	-----------------

Limiter threshold	2 V
-------------------	-----

Compression ratio limiter	1:20
---------------------------	------

Distortion	<0.6% (maximum input)
------------	-----------------------

Input noise level (equiv.)	25 dB SPLA
----------------------------	------------

Frequency response	100 Hz to 16 kHz
--------------------	------------------

Speech filter	-3dB at 315 Hz, high-pass, 6 dB/oct
---------------	-------------------------------------

Output impedance	200 ohm
------------------	---------

### Selections

Chimes	Any wave file
--------	---------------

Priorities	7
------------	---

## Mechanical

Base dimensions	40 x 100 x 235 mm (1.57 x 3.97 x 9.25 in)
-----------------	--

Weight	Approx. 1 kg
--------	--------------

Mounting	Standalone
----------	------------

Color	Charcoal with silver
-------	----------------------

Stem length with mic	390 mm (15.35 in)
----------------------	-------------------

Cable length	5 m (16.4 ft)
--------------	---------------

## Environmental

Operating temperature	-10 °C to +45 °C (14 °F to +113 °F)
-----------------------	-------------------------------------

Storage temperature	-40 °C to +70 °C (-40 °F to +158 °F)
---------------------	--------------------------------------

Relative humidity	<95%
-------------------	------

## Ordering Information

### LBB 1956/00 Plena Voice Alarm Call Station

**LBB1956/00**

metal base design, a flexible microphone stem and a unidirectional condenser microphone. It can make calls to selected zones (one to six and all-call)

**Americas:**  
Bosch Communications Systems  
12000 Portland Avenue South  
Burnsville, Minnesota 55337, USA  
Phone: +1-800-392-3497  
Fax: +1-800-955-6831  
audiosupport@us.bosch.com  
www.boschsecurity.com

**Europe, Middle East, Africa:**  
Bosch Security Systems B.V.  
P.O. Box 80002  
5600 JB Eindhoven, The Netherlands  
Phone: +31 40 2577 284  
Fax: +31 40 2577 330  
emea.securitysystems@bosch.com  
www.boschsecurity.com

**Asia-Pacific:**  
Robert Bosch (SEA) Pte Ltd  
11 Bishan Street 21  
Singapore 573943  
Phone: +65 6571 2600  
Fax: +65 6571 2698  
apr.securitysystems@bosch.com  
www.boschsecurity.com

### Represented by