BOSCH

PRP-CST call station
PROSPERO

The PRP-CST is a desktop call station with a touch screen and gooseneck microphone that can be accessed via a standard IP network to the PROSPERO public address system for manual and pre-recorded announcements.

The call station supports PoE power supply and can be connected to a generic Ethernet switch using a single Category 5 network cable.

The front side provides a 7" full color touch screen with PIN code login verification for access control, a PTT button and an emergency broadcast button with anti-touch cover for daily broadcast operation. The bottom provides 1 channel audio input port for connecting a local audio source. A built-in monitor speaker allows for zone monitoring using the touch screen.

Functionality

- Access to PROSPERO public address system via IP network
- Gooseneck microphone with flexible angle adjustment
- 7" full-color capacitive touch screen with intuitive function menu
- PTT pushbuttons and anti-false-touch emergency broadcast pushbuttons
- Real-time manual broadcasting, pre-recorded broadcasting, emergency broadcasting
- Cutting the emergency broadcast for manual shouting
- Real-time zone monitoring with volume control
- System equipment failure log view
- PIN code login authentication access control
- 1 Line-in audio input for connecting audio sources
- Power supply status and fault status indicators

Regulatory Information

Declaration of Conformity	
matrix	China RoHS

▶ PoE power supply, one-line direct connection

▶ PTT pushbuttons and anti-false-touch emergency broadcast pushbuttons

▶ Built-in speaker, support for zone monitoring

▶ Audio input connector for connecting local audio sources

▶ For PROSPERO public address system

Installation/Configuration Instructions

Top view:
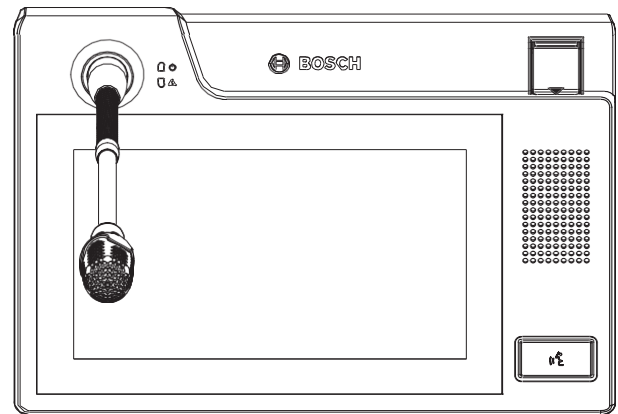
Top indicator light:

⚠	yellow flashing light	unauthorized
	Yellow color is always on	equipment failure
⏻	green	Power on

Top Controls:

⬜	Emergency broadcast button

	PTT call button

Bottom view:
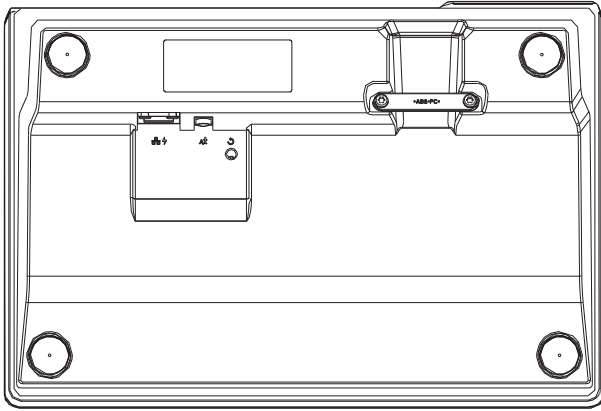
Bottom Control:

	Device reset (restores factory default settings)	button

Bottom Interface:

	Analog Audio Input Connector	
	Network Interface (supports PoE)	
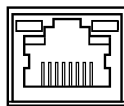
Supplied parts

quantities	modules
1	call station
1	user manual
1	RoHS Declaration
1	Strain relief brackets and screws

Technical indicators

Electrical parameters

PoE power supply	
Rated DC input voltage	48 V
electricity supply	IEEE 802.3af Class 3 Standard
power wastage	<7 W

network	
Ethernet	100 BASE-TX
protocols	TCP/IP, UDP, RTP, TFTP, HTTP, HLS
audio encoding	MP3, PCM
connector	1x RJ45

microphones	
Rated Input Level	80 - 100 dBSPL
Maximum Input Level	120 dBSPL
Signal-to-Noise Ratio (SNR)	>70 dBA
directivity	single-directivity
Frequency Response (+3/-6dB)	100 Hz - 14 kHz

display screen	
magnitude	7
touchscreens	capacitive
color depth	24-bit
resolution (of a photo)	800 x 480
luminance	300 cd/m^2

monitor speaker	
Rated Input Level 500Hz - 3kHz (at 1 meter)	75 dBSPL +/-6 dB
Frequency range (-10dB)	500 Hz - 3 kHz

Analog Audio Input	
frequency response	100 Hz - 18 kHz
sampling rate	44.1 kHz
type	1 x Line Level Input
connector	1 x 3.5mm socket
Maximum Input Level	0 dBu
Input ImPRPance	>22KΩ

Mechanical parameters

Material	PC, ABS
Dimensions (H x W x D)	370 mm x 238 mm x 158 mm
Weights	740 g
Color	Black (RAL 9017)

Environmental parameters

operating temperature	-5 ℃ - 45 ℃
storage and transportation temperatures	-40 ℃ - 70 ℃
relative humidity	<95%

Ordering Information

PRP-CST Call Station IP network connected, PoE-powered, desktop call station with touch screen and gooseneck microphone Order No. **PRP-CST | F.01U.429.436**