# Porter switchboard

## Description

D45 System table top porter switchboard device with high resolution 7" LCD display and icons menù. Able to communicate with handsets,entrance panels and other devices. It manages building incoming calls and alarms. Device can be linked by LAN to other switchboards for the management of larger system. Complete alarms management: receiving,recording and storage of alarms. Management of SOS call records. Provides quick message retrival by using handset addresses. Possibility to directly connect a coaxial camera.

## Technical data

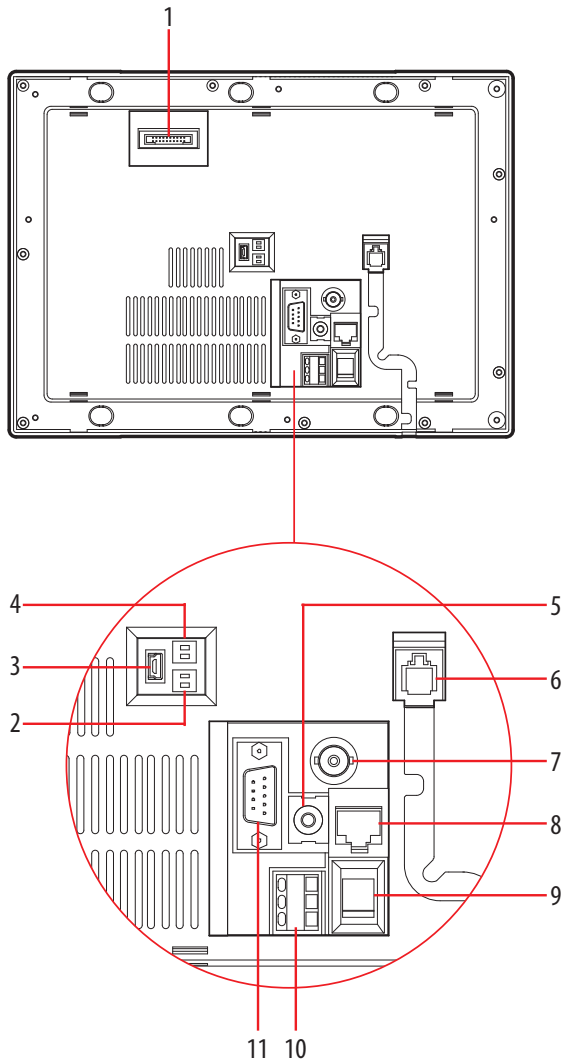| | |
|---|---|
| Power supply: | 30 Vdc |
| Stand by absorption: | ≤ 160 mA @ 30 V |
| Max. operating absorption: | ≤ 280 mA @ 30 V |
| Operating temperature: | (-10)-(+40)°C |
| LCD screen: | 7" LED backlit |
| | 800 x 480 pixel |

Front view



## Dimensional data
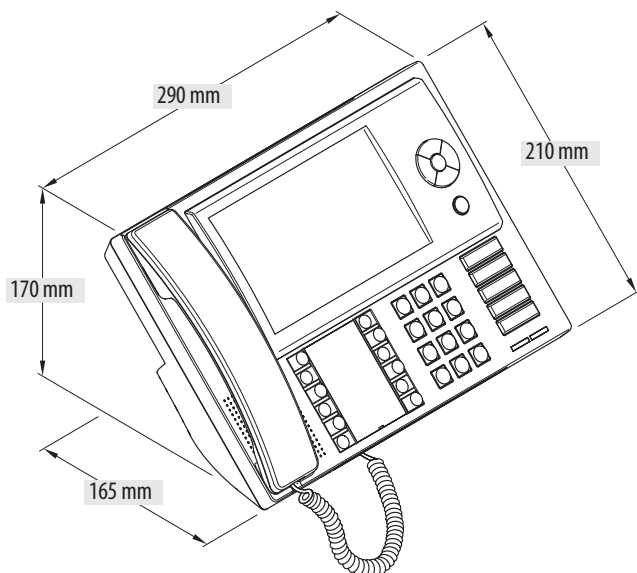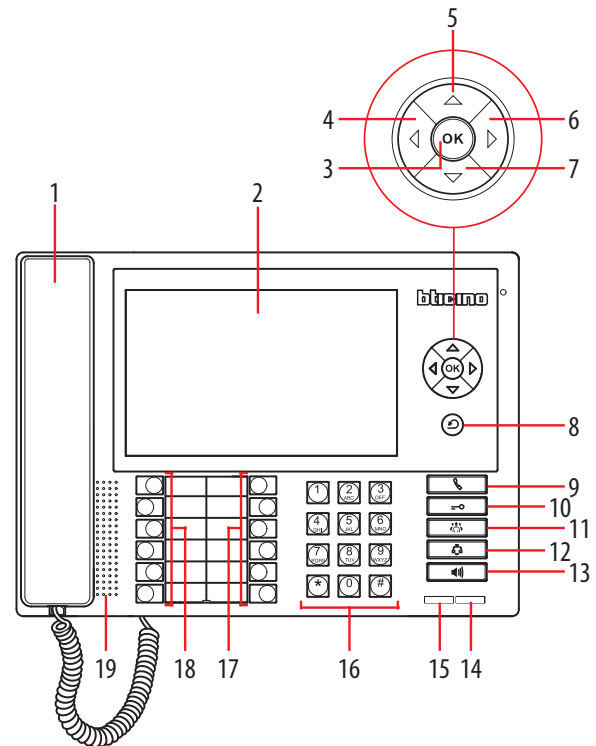


## Legend

1. Handset
2. 7" LCD colour display
3. Menù confirmation key
4. Menù navigation left key
5. Menù navigation up key
6. Menù navigation right key
7. Menù navigation down key
8. Return key
9. Call pushbutton
10. Door lock opening pushbutton
11. Address book access pushbutton
12. Cameras cycling activation pushbutton
13. Handsfree pushbutton
14. SOS LED indicator
15. Communication LED indicator
16. Alphanumerical keyboard
17. User defined keys F07 to F12
18. User defined keys F01 to F06
19. Loudspeaker

Front view

### Configuration

**Device must be configured for the following parameters :**

- switchboard local address (0 to 15)
- associated entrance panel address (1 to 80)
- associated handset (optional setting)

**Two different device configuration ways available :**

**WAY 1)** configuration settings by device icons on screen menù
**WAY 2)** configuration by using SF4 (323012) Software and PC connection
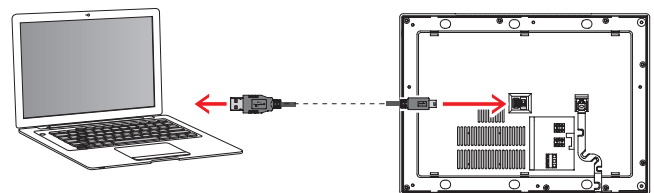
Configuration settings by device icons on screen menù - **WAY 1** :

detailed information on functions menù are available on instruction sheet (supplied with the product).   Access to the functions menù as for the followings screenshot example:



Configuration settings by using SF4 (323012) Software and PC connection - **WAY 2** :

This is the enhanced way to download the device configuration to entrance panel previously created by using SF4 (323012) configuration software and a personal computer. To transfer use the configuration hardware tool 323020 serial interface.



**WARNING** : in order for the communication to take place, device must be powered

### Legend

1. JTAG standard connector
2. DIP SWITCH for video output gain setting
3. USB connector
4. DIP SWITCH for video input gain setting
5. RCA video input connector
6. RJ11 connector for dedicated handset
7. BNC video input for external coax camera connection
8. RJ45 connector for D45 system BUS connection
9. Power ON/OFF Switch
10. SOS alarm connector
11. Serial interface (COM alternate) connector

## Video gain setting

ON
OFF

1 2

SYSTEM ⟶ SWITCHBOARD

Video gain setting from BUS system to Management Center. Video input gain control. Users have three options according image performances.

ON
OFF

1 2

SWITCHBOARD ⟶ SYSTEM

Gain setting from Management Center video signal to BUS system.

### DIP switch setting instruction

| Distance | 1 | 2 |
|---|---|---|
| 0 – 300 m | OFF | OFF |
| 300 – 700 m | ON | OFF |
| 700 – 1000 m | ON | ON |

## Function features

1. Digital intelligent control. Navigation pushbutton, with graphic icon menu for easy operation. Possibility of real time caller and recipient address information display. Function parameters setup using the menu and possibility of updating the software;
2. Many ways to call and monitor: calling or monitoring by input device (EP/HANDSET/ other Switchboard) address, or by address book;
3. User-defined function shortcut keys: 12 user defined key enabling the user to call handsets, EP and other Switchboard at the press of a button. Entrusted or not can also be shifted by one pushbutton etc.;
4. Management by district: The Switchboard has its own address book for saving handsets, EP, and all Switchboard of the system, providing full district management. These services can all be called using the address book. The address book can be downloaded using the 323020 software;
5. Cycle check: The handset performs real time handset alarm checks to detect any faults. The function is active and the cycle check interval can be set.
6. Sort: system classify main Switchboard and subsystem Switchboards. Main Switchboard can only be installed on backbone BUS. Subsystem Switchboards can be installed on riser BUS.
7. Communication record management: capable of recording thousands of communication records, which are easy to browse;
8. Alarm recording process: possibility of real time check of all alarm sensors with burglar, fire, gas etc. alarm notifications. Easy to view alarm info. Reminder to solve pending alarms through real time indications;
9. Power supply monitor function: capable of monitoring the system power supply;
10. Call forwarding: visitors can call Switchboard from the UEP and the main EP to check resident room number. The Switchboard can forward the UEP and main EP call to the handset. Using this function two handsets can communicate with each other.
11. Cycle monitoring function: it can monitor all main EP and riser EP in succession. No need call them individually;
12. Function transfer: when subsystem Switchboard are left unattended all calls can be transferred to the main Switchboard. When in this mode, sub-menu are unable to answer calls.

## Hardware features

1. Using a standard RJ45 interface, making it easy to install and connect different systems as a network, and managed as districts;
2. Audio and video signals are differential signal, and a twisted pair is used for their transmission. The image is clear and stable. It is possible to adjust the video gain and support long distance transmission of audio and video signals;
3. The handsfree can also be connected to entrance panels. Possibility of switching from handsfree communication mode to handset communication with clear intercom effect. 7 inch colour high resolution (800x480) LCD display. It can communicate with and monitor riser and standard EP with high quality audio and video signals. Interface for external camera available. The external camera can be used for video intercom with handsets.
4. higher electronic disturbance immunity performance.