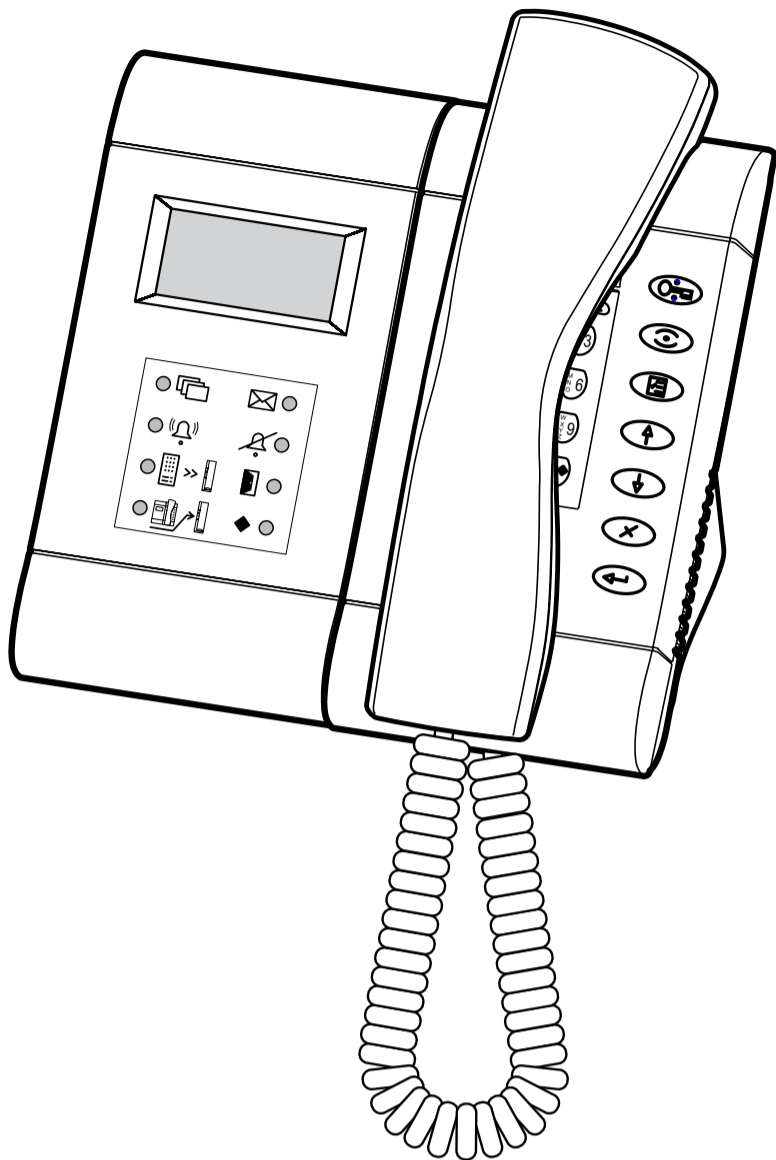


# Chapter 2

## SWITCHBOARD

<b>Specifications</b>	<b>page 2.4</b>
<b>Installation and connections</b>	<b>2.5</b>
<b>Operation</b>	<b>2.6</b>
<b>Menu</b>	<b>2.9</b>

## Art. PDX2000



# PDX2000

## Switchboard for DUO System

### Technical Data

Power supply	directly from the line
Maximum absorption:	0.5A
Stand-by consumption:	0.05A
Absorption at 'night':	0.02A
Permanent storage of programming data	
Address book capacity:	500 entries
LCD display:	64x128 dot matrix
LED number:	8
Alphanumeric keypad:	15 keys
Service buttons:	7
Auxiliary relay:	1
Maximum relay contact load:	12Vac/12÷24Vdc - 1A
Operating temperature:	0° ÷ +50°C
Maximum permissible humidity:	90%RH



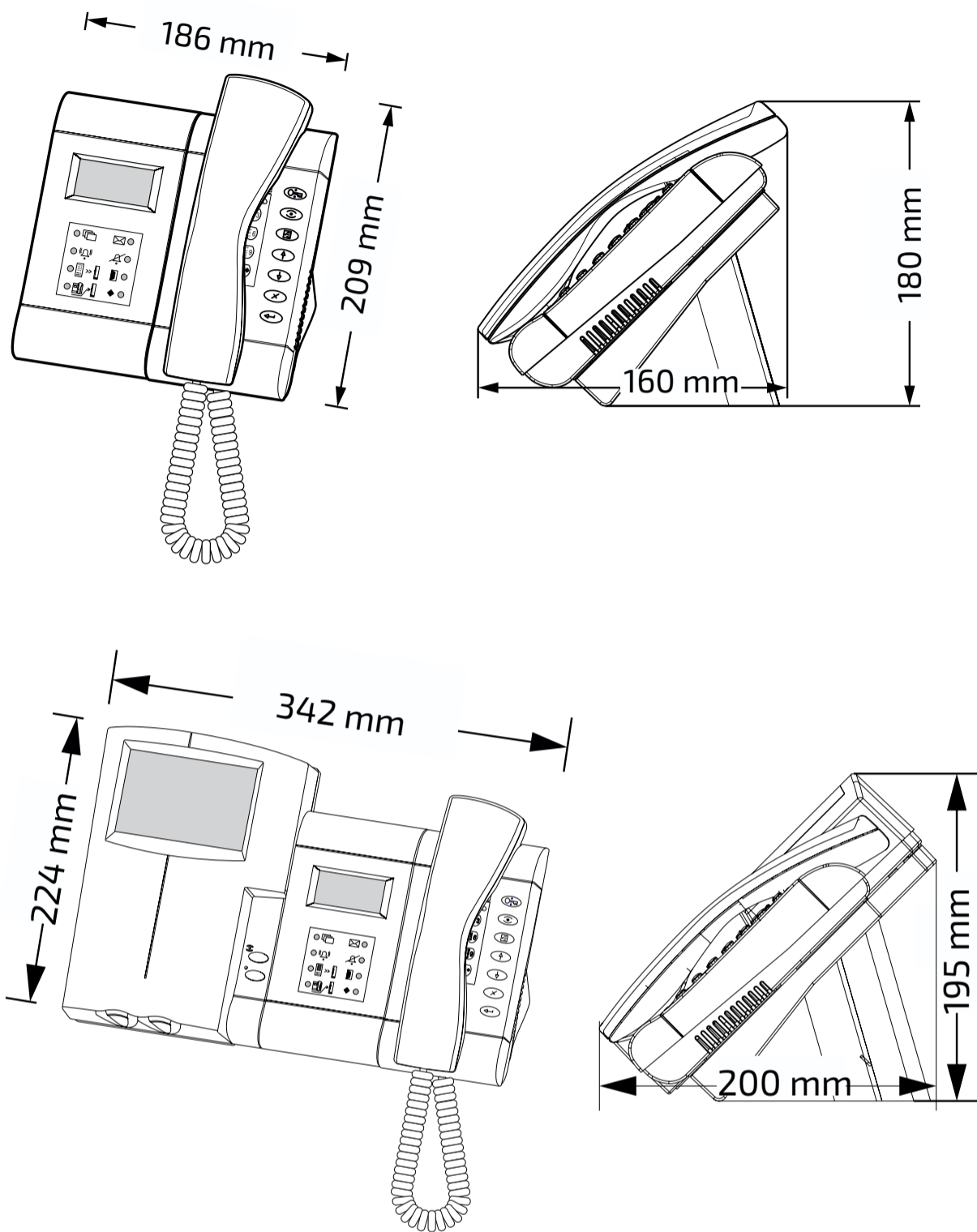
**Note. All devices connected in a system where the switchboard is present must be labelled PDX1 or higher.**

### SAFETY NOTICES

- Read the instructions contained in this manual carefully because they provide important information about safe installation, use and maintenance. Keep this manual appropriately for future reference.
- Install your switchboard in a dry place away from heat sources or devices that produce heat and magnetic fields.
- Do not clean the switchboard with water or chemical solvents, use a dry cloth for cleaning.
- This device must be exclusively operated for its intended use. The manufacturer cannot be held responsible for possible damage caused by improper, erroneous and unreasonable use.
- Keep packing parts away from children (i.e. plastic bags, expanded polystyrene, etc.).
- Do not open the device when it is ON.
- The installation must be made by specialized personnel in compliance with the regulations in force.
- Always refer to specialized personnel in case of breakdown, irregular operation or change in the installation.
- The device complies with the rules for CE marking.

## Dimensions

To get pictures from the door stations it is possible to install the monitor art. **ST7100CW**, the wall bracket art. **WB7262** and the table adaptor art. **TA7100W**. No additional programming is required when installing the ST7100CW monitor.



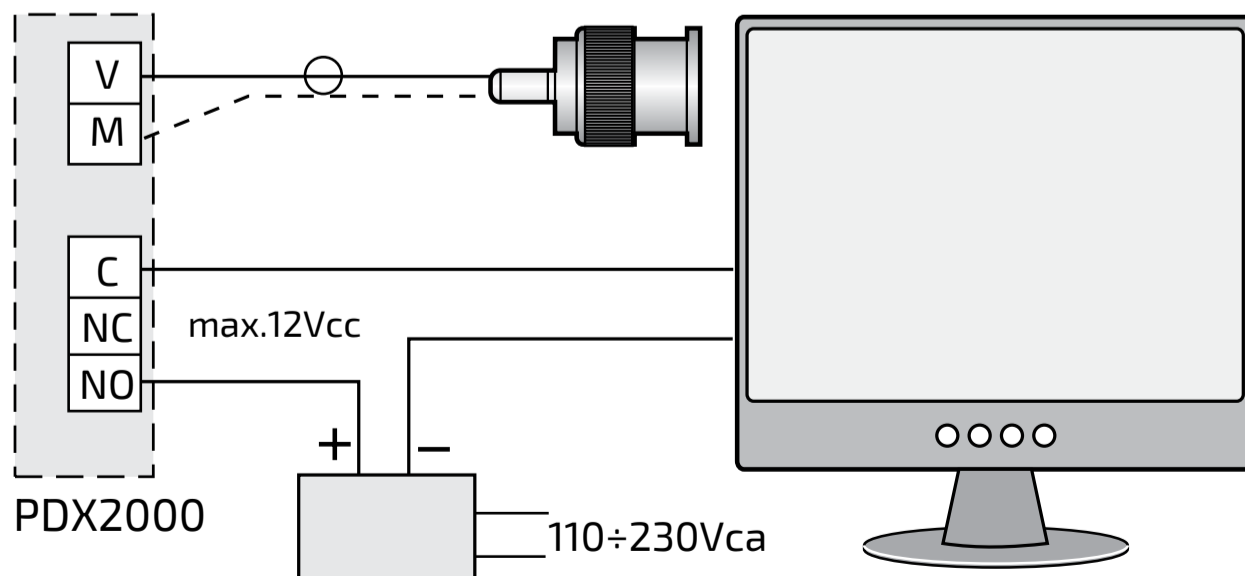
### Collegamento di un monitor TVCC

#### Connection of a CCTV monitor

It is also possible to place a CCTV monitor with analogue input near by PDX2000.

**Attention!** Please use a monitor with no earth connection (Class II) or use a ground loop separator. CCTV monitor can work either in **continuous** or **timed mode**. In the case of **continuous** mode (direct powering from the mains) monitor is always powered-ON even when the door station is not in operation (no image).

In **timed** mode monitor is powered-ON only when the door station is in connection (with image). To operate in this way it is necessary to connect the CCTV monitor as shown in the following diagram and program the internal relay of switchboard as reported in the chapter "Operating mode of internal relay".

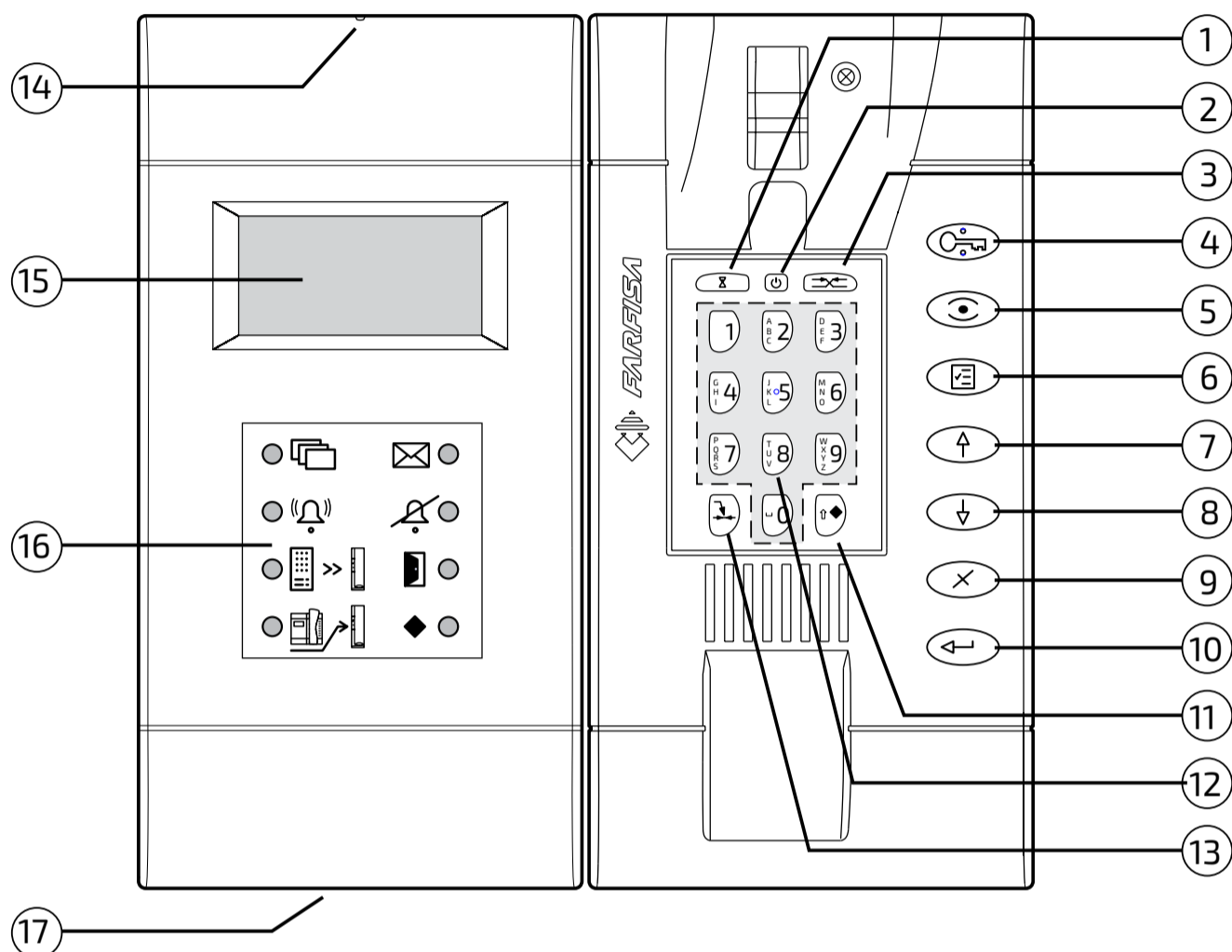


## Specifications

Switchboard PDX2000 is a component of the Digital System "DUO" and comes with a table adaptor and junction box for an easy connection to the installation. Equipped with an alphanumerical keypad, a LCD display and 7 service buttons suitable for making all the functions. The switchboard can communicate with 19800 users (intercoms or videointercoms) and with one or more door stations.

## Main functions

- Three operating modes: day, night and direct call
- Communication between internal users or internal users and door stations
- Monitor of one or more door stations
- Inclusion on a busy user
- Booking of calls
- Selective door lock release
- Users directory, also with "alias"
- Alarm management
- automatic determination of MASTER/SLAVE setting in the case of several switchboards with the same address



## Features (see figure)

- 1 - Button **"hold"**. During the conversation with an internal user or a door station, pressing it, it is possible to hold the conversation in progress and then resume it by pressing again the same button. The user in hold is flashing on the display.
- 2 - Button **"ON-OFF"**. It allows to power ON and OFF the switchboard (function **day-night**).
- 3 - Button **"connect"**. It allows to put in communication 2 internal users or a door station with an internal user.
- 4 - Button **"door opener"**. It allows to release the lock of the door station in conversation at the moment or that of the last door station from which a call has been made.
- 5 - Button **"monitor"**. It allows to control a door station quickly connecting to it (or, in case of multiple entrances, to the last door station from which a call has been made).
- 6 - Button **"menu"**. This button allows to access all the functions and programmings. To move inside the submenus use the arrow buttons.
- 7 - Arrow **up** (or **back**).
- 8 - Arrow **down** (or **forward**).
- 9 - Button **"erase"**. It allows to erase a character or a selection during settings or insertion of names.
- 10 - Button **"enter"**. It allows to confirm and proceed to the next entry.
- 11 - During the normal operations of the switchboard it allows to **operate the internal relay**. During the input of data this button is used to select the **type of character** (upper or lower case, numbers, etc.).
- 12 - **Alphanumerical Keypad**.

- 13 - Button **"inclusion"**. It allows the switchboard operator to include during a communication in progress.
- 14 - Button **"reset"**. Press this button to restart the switchboard. During the reset no data will be lost.
- 15 - **LCD Display**. It shows data and functions during the operation of the switchboard or during the programming.
- 16 - **LED's** to highlight the most important functions of the switchboard.
- 17 - **Memory card socket**. Using a memory card with a maximum capacity of 2 GB, it is possible to import or export data and update the product software with more recent releases that must be requested to Farfisa technical service.

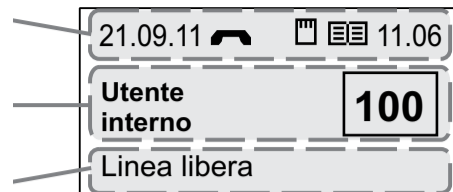
## Display

The display is organized into 3 different areas

### - Status bar

### - Name and address of internal users and door stations

### - Operating info



### Status bar

It is shown in the upper part of the display and gives the following info (from left to right)

- **Date** (day-month-year)

- **Communication status** (see the following icons)

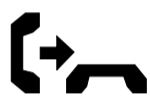
Handset on hook



Handset off hook



Call to or from a user



Communication in progress between switchboard operator and user or between two users



Call from door station



Communication in progress between switchboard operator and door station or between door station and internal user

- **Errors** (presence of one of the following icons)



restart after power loss



data transmission/reception error

- **Memory card inserted** (see the following icons)



correctly inserted



Reading error

- **Directory** (see the following icons)



Ready



uploading names in progress



Import directory



sorting of names in progress



Export directory

- **Keypad locked**



- **Time** (hours-minutes)

### LED's

Under the display there are 8 LED's which highlight some important functions of the switchboard.



Shows that one or more bookings are listed



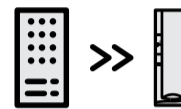
Shows the presence of a message



Shows that a call is in progress (flashing)



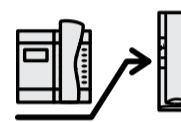
Shows that the ringer tones of the switchboard have been excluded (minimum volume)



Shows that the direct call mode of the switchboard has been activated



Shows an opened door (if this function has been foreseen in the installation)



Shows that the "diverted to a user" operating mode of the switchboard has been activated (if supported by the software version)



Shows the activation of the internal relay in monostable or bistable operating modes

## Installation and connections.

The switchboard is designed for table-top installation.

Fix the junction box to the wall with screws and plugs or to a wall box ( $\varnothing = 60\text{mm}$ ) and make the connections according to the diagram.

For possible wall mounting, remove the adapter and use the same metal brackets as on the adapter; remove the cable and junction box and make the connections directly on the switchboard terminal block.

### Terminal board

**LI / LI** DUO line input  
**LO / LO** DUO line output  
**A / A** Auxiliary power input (12-15Vdc/ac - 0.5A)

**C** Common contact of internal relay

**NC** Normally closed contact of internal relay

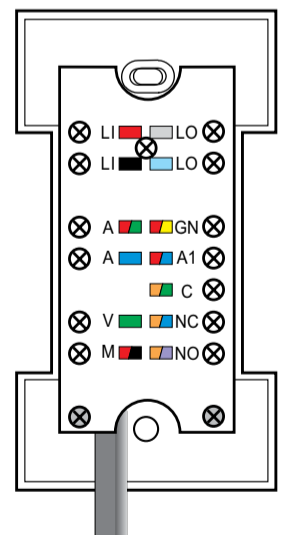
**NO** Normally open contact of internal relay

**V** video output for an auxiliary monitor (unbalanced 75 ohm)

**M** Video output ground

**GN** Negative input for a local call

**A1** Positive input for a local call



**Note.** When the LO output is used, remove the impedance group between the LO terminals of the PDX2000 switchboard junction box.

### Programming

For a correct operation of a "DUO" digital system, it is required to program all the devices present in the installation.

- **Switchboard** is programmed from factory with the address **201**. If required, this address can be changed following the instructions on the chapter "PDX Address".
- In all the **internal stations** a button must be programmed with the same address of the switchboard (according to the previous example 201); for programming please follow the procedure indicated in the technical manual which comes with the product.
- Program the specific function of the **door stations** with the address of the switchboard.

### Operating functions

The switchboard can operate in the following operating mode: OFF, ON and Direct Call.

#### Switchboard OFF (Night)

Switchboard is not operative while the other devices of the system still continue to work as intended. All the call directed to the switchboard will be lost.

#### Switchboard ON (Day)



All the call either originated by the door stations or by internal users are intercepted by the switchboard except those made by the secondary door stations which can be managed by a secondary switchboard (if available in the system).

#### Direct dialling


Enabling this function all the calls originated by the door stations are diverted directly to the internal users without being intercepted by the switchboard. Switchboard will handle only the **call from internal users** and is able to **manage bookings** and **make inclusions** on a communication in progress.

### Operating instructions


#### Power-OFF

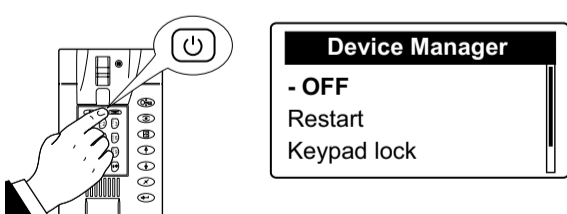
Keep pressed the  button until the switchboard switches OFF or when the "Device Manager" menu appears select "OFF" and then press . Already stored bookings will be not lost.

#### Power-ON




Keep pressed the button  for some seconds, the switchboard powers ON and starts to operate according to the previous settings ("Normal" or "Direct dialling").

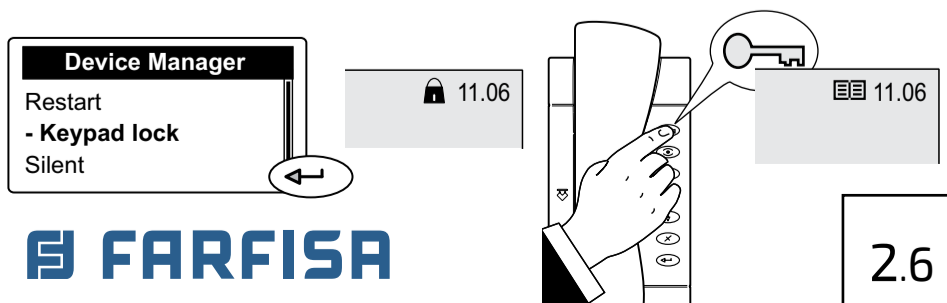
#### Device manager

When the switchboard is ON, pressing shortly the button  to display the "Device Manager" menu; in the menu are listed the following functions: OFF, Restart, Keypad lock, Silent, Ringer ON, Release and Remove mem. card.








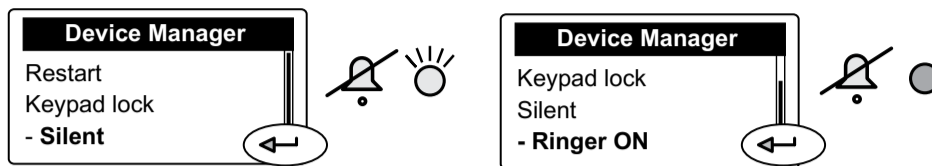
#### Keypad lock

Activating this function, the keypad of the switchboard is locked, it is only possible answer to the incoming calls from door stations or internal users. In "Device Manager" menu select "Keypad lock" and press ; on the display will appear . To unlock the keypad press for several seconds the button .





#### Ringer tones OFF and ON



To set OFF (or ON) all the ringer tones of the switchboard it is necessary: - access the menu "Device Manager" by pressing shortly the button  - select "Silent" - press ; LED  will switch-ON. To activate again the ringer tones select "Ringer ON" and press ; LED  switches-OFF.



#### Release




To display the software release of the switchboard and other informations about the actual configuration select "Release" and press . To exit this page press .



#### Remove mem. card

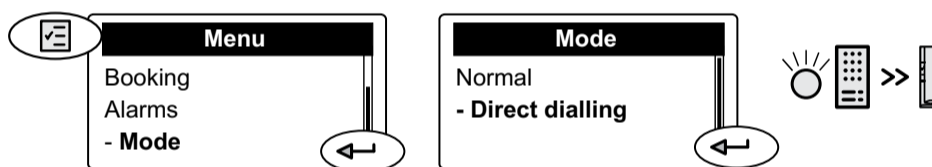
To remove the memory card, if inserted in the switchboard, select "Remove mem. card" and press . To exit this page press .

### Operating Modes

#### Enable Direct dialling






To enable the Direct dialling function, where the switchboard is switched on but all calls are forwarded directly to internal users, it is necessary to: press  - select "Mode" - press  - select "Direct dialling" - press .

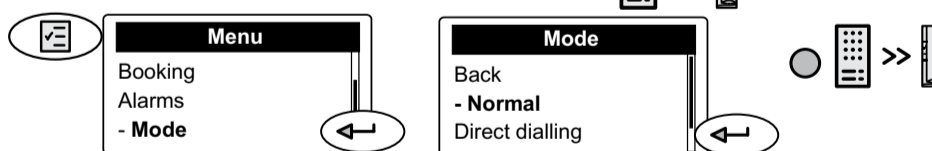
LED  >>  will switch-ON showing that the Direct dialling function has been activated



**Note:** in case of power failure or switching-OFF the switchboard, the function **Direct dialling** remains stored and will be activated again at the next power-ON. If PDX Type (in the System menu) is set as User, switching from Normal to Direct dialling and vice versa is not available.


#### Back to the operating mode "Normal"

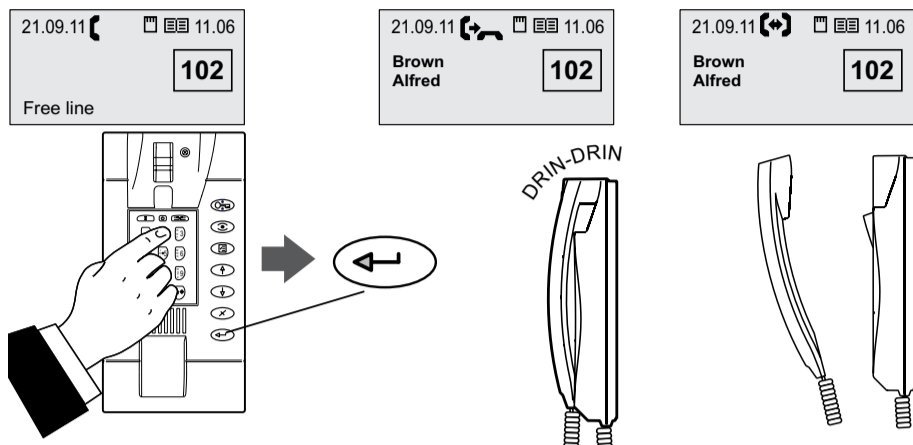
To disable the Direct dialling function and operate in "Normal" mode it is necessary to: - press  - select "Mode" - press  - select "Normal" - press ; LED  >>  switches-OFF.



## Operations

### Make a call from Switchboard

To make a call from the switchboard to an internal user it is necessary to dial the number of the required user using the keypad or select the name of the required user from the directory (see chapter "directory") and then press .








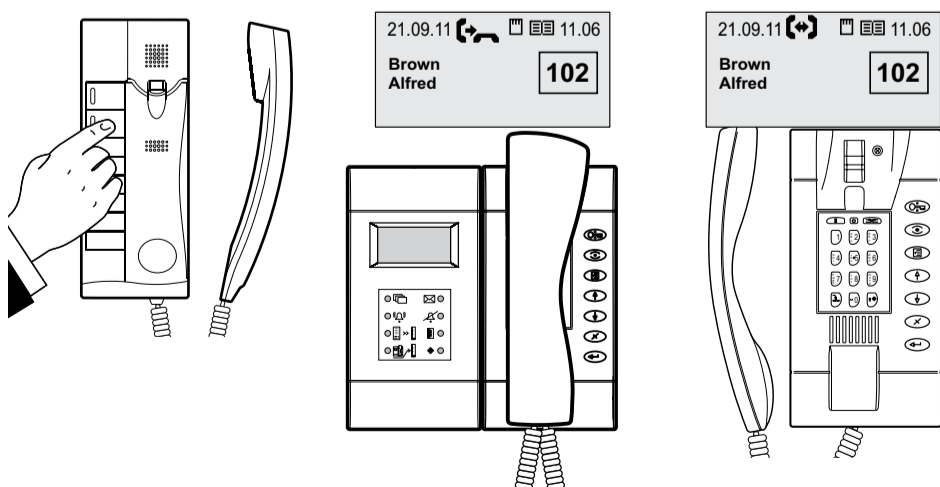
#### Note:

- instead of a name, the directory allows you an **alias** of up to 4 or 5 digits which can be directly entered instead of the physical address.
- For a quicker search in the directory, you can jump to the first letter of the name you are interested in using the alphanumeric keys on the keypad of the PDX2000. In the case of a directory in which aliases are stored, initial selection is not available.

### Call the switchboard



To call the switchboard from an internal station, it is necessary:

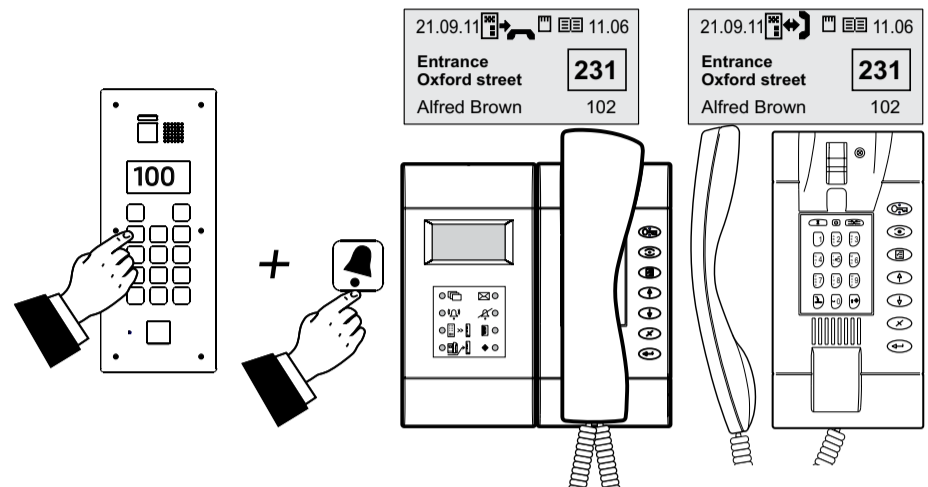
- pick-up the handset (or press the  button with "Sette" series or the  button with "Zhero" series);
  - if the line is free you will get a dialing tone;
  - if the line is busy you will get a busy tone;
- press the button on which the address of the switchboard has been stored;
  - if, after about 30 seconds, switchboard operator does not answer or if it rejects the call, automatically the call will be stored in a booking queue;
  - if the line is busy immediately the call is booked on the switchboard and an acoustic tone will be heard
  - if the line is free, switchboard starts ringing and its display shows the name and the address of the calling user; LED  and  light-ON.
- pick-up the switchboard handset within 30 seconds to answer the call. Communication time is about 90 seconds and during the last 10 seconds an acoustic tone will remind the communication time is going to expire; if some extra time is necessary press twice the button .




### Call from door station



Making a call from a door station, the switchboard will ring with










the programmed ringer tone (see "select ringer tones" chapter), the display will show the name and the address of the calling door station and of the user the caller is looking for; LED  will light-ON indicating the incoming call. Pick-up the handset to talk with the door station, press the button  to release the lock. Communication will last after 90 seconds or replacing the handset.

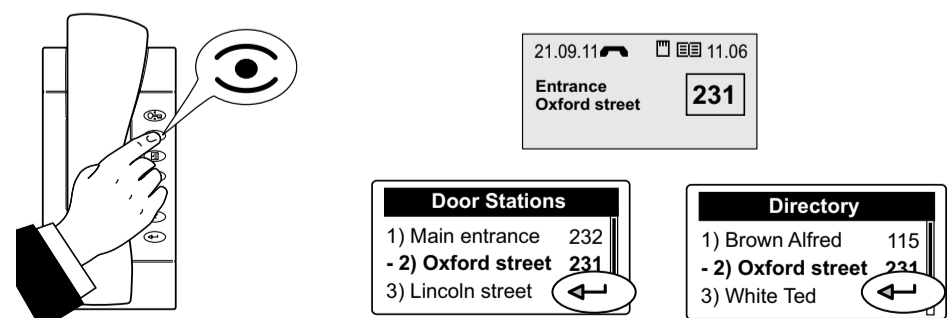


**Note.** If, when the door station makes a call, the switchboard is engaged in a communication with another user or there is a communication on "hold" or there is communication between two internal users, the switchboard will ring only with a single tone and LED  lights-ON for all the time of the call. To communicate with the door station it is necessary to close all the communications in progress.

### Connection of the switchboard to the door stations

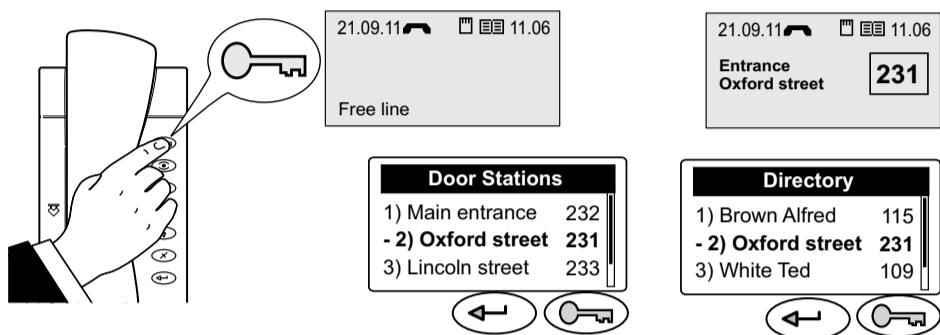
At any moment it is possible to monitor the door stations pressing the button . If in the installation there are more door stations, pressing the button  the switchboard will be connected with the last door station which has made a call. For a selective connection with a specific door station it is necessary to operate as follows:

- pick-up the handset, dial the address of the door station you want to monitor (e.g.:231) and press  to be connected only video with the door station (press  or replace and pick-up again the handset to activate also the audio);
- pick-up the handset and dial the address of the door station you want to monitor (e.g.:231), press  to be connected audio and video with the door station;
- with the handset on-hook, select the requested door station from the **door stations** list. Press  - select "Door stations" - press  - select the requested door station from the list - press , you get only the video (to enable the audio pick-up the handset);
- With the handset on-hook select the door station from the **directory**. Press  - select "Directory" - press  - select the requested door station from the list - press , you get only the video (to enable the audio pick-up the handset).



### Door lock release

At any moment the lock of a door can be released by pressing the button . If there are more than one door in the system, pressing , you will release the lock of the door whose door station is actually in communication with the switchboard, or, if any communication is in progress, you will release the lock connected to the last door station which has made a call. To release selectively the lock, follow the same procedure described in the "Connection of the switchboard to the door stations" chapter and after getting audio and video communication (not only video) press the button and then .



### Hold state

While the switchboard is in communication with an internal user or a door station it is possible to hold the communication by pressing the button . The details of user or door station on hold will be transferred to the bottom of the display and flash; the internal user or door station on hold will get an acoustic or visual signalling. To resume the communication, press again .

### Communication between two internal users

While the switchboard is in communication with an internal user it is possible to connect him with another internal user for a period of 60 seconds (which can not be extended) following the below procedure:

- press the button ; user actually in communication with the switchboard will be put on hold receiving a tone on the handset
- dial the address of the second internal user you want to call (or select him from the directory)
  - if the second user does not answer, press to resume the line or wait for 30 seconds the call will last; press to talk again with the first user on hold
  - if the second user answers, but does not wish to talk with the other user, wait the user replace the handset or press to close the call and get the line; press again to resume the first user on hold
  - if the second user answers and wishes to talk with the other user, press button ; on the display of the switchboard, until the communication lasts, appears the details of the two users in connection.

**Attention.** In some particular installations this feature can not be guaranteed for all the users.

To interrupt a communication between to users see chapter "Inclusion".

### External to Internal Communication

While the switchboard is in communication with a door station it is possible to transfer the call to an internal user for 60 seconds (which can be extended) following the below procedure:

- press the button ; door station actually in communication with the switchboard will be put on hold
  - if the address of the internal user which is displayed is correct press ;

- if it is wrong press to erase it and dial the correct address (or select him from the directory);
- if the called user does not answer, press to resume the line or wait for 30 seconds the call will last; press to talk again with the door station on hold;
- if the called user answers, but does not wish to talk with the visitor at the door station, wait the user replace the handset or press to close the call and get the line; press again to resume the door station on hold;
- if the called user answers and wishes to talk with the visitor at the door station, press button ; on the display of the switchboard, until the communication lasts, appears the details of the door station and the internal user in connection.

To interrupt a communication between the door station and the internal user see chapter "Inclusion".

### Inclusion

While a communication between two internal users or between a door station and an internal user is in progress the switchboard operator can include into the conversation by picking-up the handset and pressing the button . During the inclusion, a background tone will warning that a third person is listening.




To exit from the inclusion mode switchboard operator has to replace the handset.

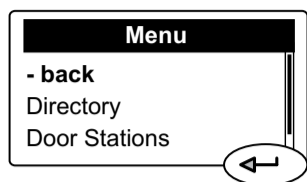
To release the line switchboard operator can also interrupt the communication making first an inclusion (by pressing button ) then pressing again the button , selecting YES in the submenu which appears on the display and finally pressing .



## Menu




Pressing this button you will access to the setting menu of the switchboard:

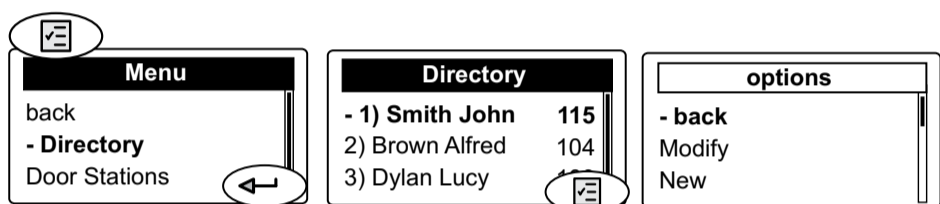
Directory, Door Stations, Booking, Alarms, Mode and Settings. To access to the sub-menus uses the buttons   and confirm by pressing .




## Directory

In the Directory can be stored up to 500 names of users or door stations with their addresses (e.g. Alfred Brown 104; Entrance Oxford St.231) or alias. To access the directory it is necessary:






- press the button  - select "Directory" - press  (all the names stored in the directory will be displayed in alphabetic order, or you get a blank page in case the list is empty) - pressing  - you access the following functions: Modify, New, Delete, Sort by name, Sort by address, List, Details, Export, Import.

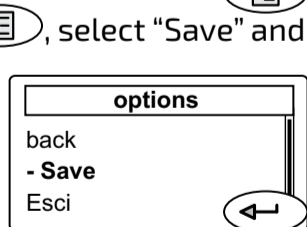
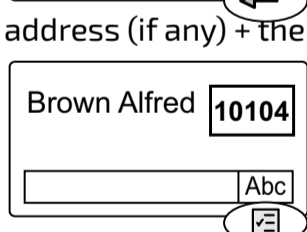
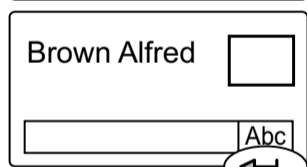
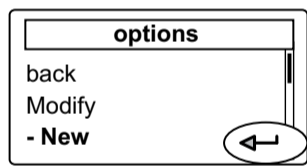


**Note.** While entering or modifying a name it is possible to change the character's type (upper case, lower case, numerical) by pressing the button .

## Entering names or alias and addresses

To enter the user's names or the door station's identification names you can use either the alphanumeric keypad or a memory card (see chapter "Import/Export of users to/from the directory"). To enter the names by the keypad follow the below steps:










- after entered the directory menu as described previously select "New", press , enter the user's or door station's name (e.g. Alfred Brown) or the alias using the alphanumeric keypad; in case of typing error, place the cursor on the right of the wrong character and press  to erase it;
- press  to confirm and move to enter the user's address consisting of the block address (if any) + the device address (e.g. 10104). **Attention:** the device address to be entered must correspond to the address of the internal station of Mr. Alfred Brown's flat (e.g.104).
- after entered the user's address press , select "Save" and press  to store the user into the directory.







To add other users to the directory repeat the previously described operations.

If it is necessary to store two users with the same address (wife and husband; professional office and apartment) it is possible to create two users with different name but with the same address.


## Modify a user's name or user's address

In the directory select the user to edit - press  - select "Modify" - press  - using the button  place the cursor to the last character of the name to be modified - press several times  to delete all the characters of the name - enter the new name - press  - cursor automatically moves to the address box - press  to erase the address - enter the correct address - press  - press  - select "Save" - press ; changes are automatically stored and you will be back to the directory list.




## Delete a user

In the directory select the user to delete - press  - select "Delete" - press  - with the button  select **Yes** - press ; user is automatically deleted and you will be back to the directory list.


## Sorting of user's names

Select the sorting mode you like ("Sort by Name" or "Sort by address") then press  you will be back to the directory list sorted according to your choice.

## Display of user's list


The users can be displayed like a list (List) or one by one (Details). Make the choice and press  to be back to the directory. In both cases to move from one user to another use the buttons  and .

## Import/Export of users to/from the directory

To load in a quick way the directory it is possible to use a personal computer and a very common writing program like Block Notes, Word pad or similar. Users must be written in the following way: "User's name and surname" followed by a "semicolon" (;) "blank space" than "block address" followed by a "semicolon" (;) "blank space" and than "user's address" (3 digits) followed by a "semicolon" (;), than press  to insert another user.




E.g.: Alfred Brown; 10; 104;  
Ted White; 10; 110;

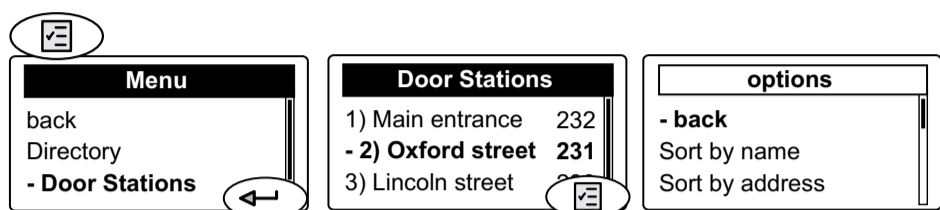
.....

Save the file into the memory card (with a maximum capacity of 2 GB) with the name: **contacts** (pay attention that switchboard recognizes only a file named **contacts.txt**; the name of the file must be written using only lower cases letters) - insert the card into the port on the bottom of the switchboard - open the directory menu - press  - select "Import" - on the display appears: "procedure in progress: please wait" and a loading bar will show the percentage of already loaded data. Once finished the loading procedure the system will go back to the directory.

If the loading procedure doesn't start, please check again the file: **contacts.txt** (written with lower case letters and the extension **.txt**) is in the memory card, please double check for the correctness of data written inside the file (see above example and take care that there is a **semicolon** as separator). Finally check that the program used to write the file will create a standard **.txt** file. To download the directory to the memory card, select "Export". Wait the end of downloading to remove the memory card from the socket. Switchboard will create in the memory card the file **contacts\_ddmmyyy.txt**, where dd is the current day of the month, mm is the current month of the year and yyyy is the current year.


## Door Stations

Selecting "Door Stations" and pressing  you will access the list of door stations of the system (if previously stored in the directory). Press  to access the submenu where it is possible to choose the sorting mode of the list (same procedure described in the chapter "Directory") or press  to connect to the selected door station (as described in the chapter "Connection of the switchboard to the door stations").





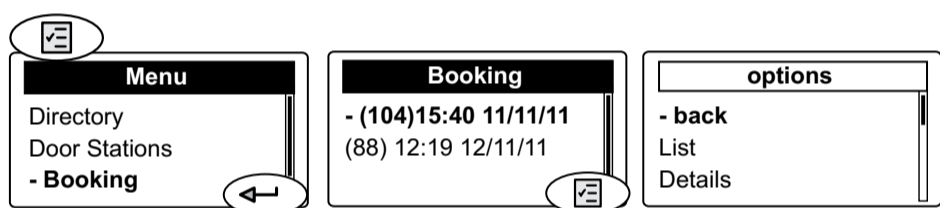
**Attention.** The list of door stations of the system is automatically created from the users stored in the directory. All the users with addresses from 231 to 253 will be considered as door stations.


## Booking management

The presence of a booking queue in the switchboard is indicated by the flashing LED .





To display the booking list it is necessary:



- press the button  - select "Booking" - press ; the booking list will be displayed with the details of the user's address, date and hour of calling;



- pick-up the handset and press  to call the currently selected users from the booking list
  - if the user doesn't answer he remains booked;
  - if the user answers the booking will be cancelled.
 At the end of conversation replace the handset.

To cancel a booking without calling back the user it is necessary:

- select the user's name from the booking list - press  - select "Delete" - press  - using the  button select "Yes" - press .

To exit the booking menu press the button  - select "back" or "Exit" - press .

## Alarms

Closing the A1/GN contact of the intercom EX352 (suitably programmed) sends an alarm to the switchboard which rings with a special ringtone until the call is answered.

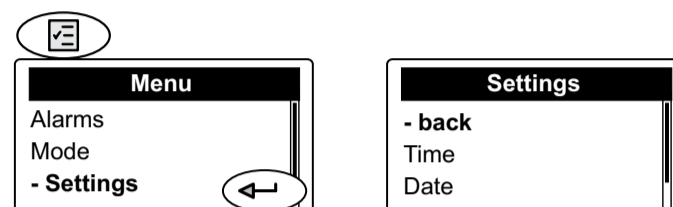
Notification of an alarm cancels any conversation in progress. "Alarms" list can be managed in a similar way to the menu "Booking".

## Mode





Selecting "Mode" you will access the operating modes of switchboard ("Normal" or "Direct dialing"). See "Enable Direct dialing" and "Back to the operating mode - Normal" sections

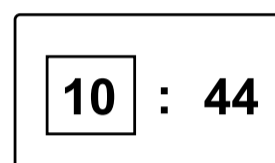
## Settings

In this menu it is displayed the list of settings. Time: Date, Language, Ringtone type, Ringer tones volume, Display Backlight, Display contrast, Advanced and System.








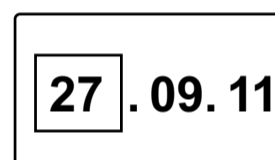
### Time

Select "Time" and press  - with the keypad enter the current hour - press  - with the keypad enter the current minutes - press  - select "Save" - press  - the new time is stored and you will be back on the previous page.






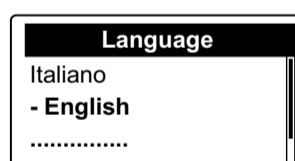
### Date

- Select "Date" and press  - with the keypad enter the current day - press  - with the keypad enter the current month - press  - with the keypad enter the two last digits of the current year - press  - select "Save" - press  - the new date is stored and you will be back on the previous page.









### Language

- Select "Language" and press  - from the list select the desired language (by factory default it is selected Italian) - press  - select "Save" - press  - the new language is stored and you will be back on the previous page.



### Select ringer tones and number of ringing

Switchboard can receive 4 different kinds of calls (call from door station, call from user, call from another switchboard and local call using a button connected between GN and A1). Operating in the following way it is possible to select a different ringing tone for each call:

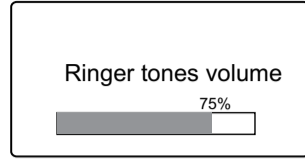
- select "Ringtone type" and press  - from the list select the kind of call which you want to change - press  - you will hear the actual ringing tone, from the list select the desired ringing tone - press  - you access a page on which is written the actual number of ringing, if you want to change it erase the actual number by button  and enter, with the keypad, the new number (from 1 to 9) - press  - select "Save" - press .



## Ringer tones volume

Ringing volume is the same for all the kind of calls.

- To adjust it select "Ringer tones vol." and press - an adjusting bar is displayed on the screen - with the buttons or adjust the volume - press - select "Save" - press .

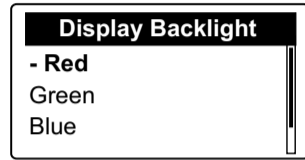


Ringing Tones can be disabled choosing the lowest level of volume in this menu or directly from the Device Manager menu.

Ringing volume can be also momentarily adjusted acting on the buttons or while receiving a call.

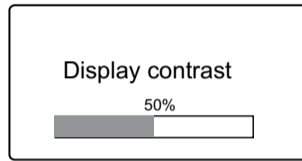
## Display Backlight

Select Display Backlight - press - chose the desired color from the list or set a new color - press - select "Save" - press .



## Display contrast

Select LCD Contrast - press - an adjusting bar is displayed on the screen, adjust the contrast of LCD acting on the buttons or - press - select "save" - press .



## Advanced and System settings

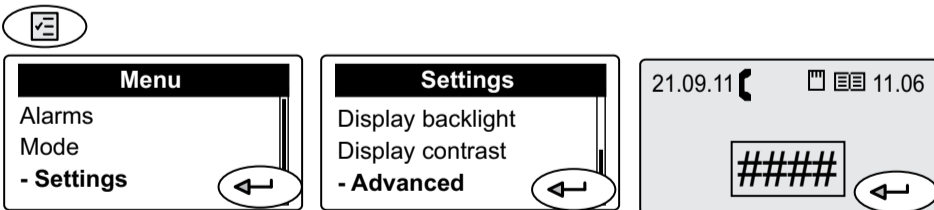
Advanced and system settings are **fundamental** for the correct working of the system, therefore they are accessible only entering a 4-digit password. By factory default the **passord is 1234**. It is advisable to change it with a personal one (see chapter "Password").

**Attention.** It is advisable to write down the new password and keep it in a safe place; If you lose the password please refer to FARFISA technical support.

## Advanced

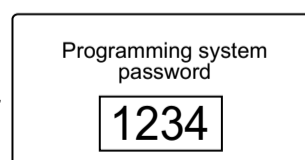
To access the advanced menu:

Press - select "Settings" - press - select "Advanced" - press - enter the 4-digits password - press - the following functions will be listed: Password, Relay Mode, Relay Timing, Others, Restore Factory Settings, Clear ALL bookings, Clear ALL alarms, Delete List, Recovery Directory and Diagnostic.



## Changing Password

To change the password it is necessary: - select "Password" - press - press to erase the actual password - enter the new 4-digits password - press - select "Save" - press .



New password in now stored.

## Operating mode of the internal relay.

Relay inside the switchboard (terminal boards C, NC, NO) can be used for:

- **additional ringer** for the incoming calls, a lamp signaller can also be driven

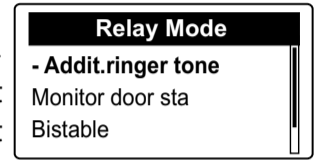
- **power-ON a CCTV monitor** only during the calls from the door stations

- **bistable relay** operated by the button ; when the relay is activated the LED will light-Up

- **monostable relay** operated by the button ; when the relay is activated the LED will light-Up, timing of relay should be set according the instructions of chapter "Timing of internal relay".

- **remain activated** when the doorkeeper excanger is switched to **night mode**.

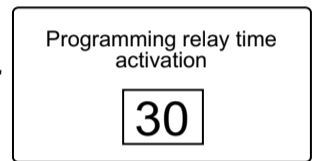
To set the operating mode it is necessary: - select "Relay Mode" - press - select the requested mode - press - select "Save" - press .



## Timing of internal relay

To set the activation time of relay, only when the relay operates as "**Additional ringer tone**" and "**Monostable**", it is necessary: - select "Relay Timing" - press - press to erase the previous programmed

activation time - enter the new activation time in seconds (from 1 to 99 sec.) - press - select "Save" - press .



activation time - enter the new activation time in seconds (from 1 to 99 sec.) - press - select "Save" - press .

## Others

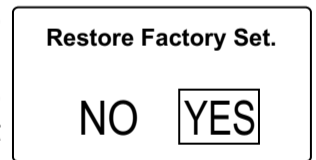
**To operate these functions the assistance of a Farfisa technician is necessary.**

- Save DUO Logs
- LED x debug
- Video always ON
- Master flag ON

## Factory settings

To restore the factory settings and reset all the data previously programmed (except the directory) it is necessary:

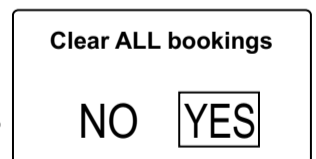
-select "Restore Factory Settings" - press - select **YES** to confirm or **NO** to exit - press .



## Clear all bookings

To cancel all the booking queue:

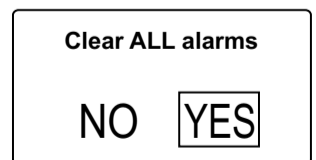
-select "Clear ALL bookings" - press - select **YES** to confirm or **NO** to exit - press .



## Clear all alarms

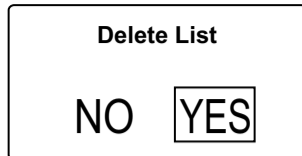
To cancel all alarms:

-select "Clear ALL Alarms" - press - select **YES** to confirm or **NO** to exit - press .



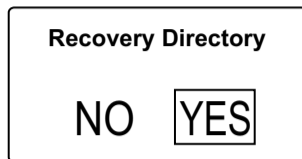
### Erasing completely the directory

To completely erase the directory:  
 -select "Delete List" - press - select **YES** to confirm or **NO** to exit - press .



### Restoring the users' in the directory

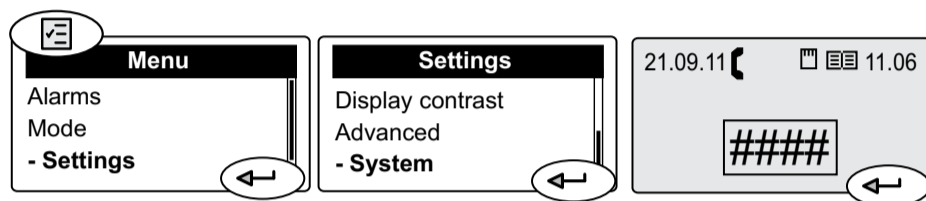
To restore the last erased directory:  
 -select "Recovery Directory" - press - select **YES** to confirm or **NO** to exit - press .



### Diagnostic

Useful information for Farfisa technical staff.

### System

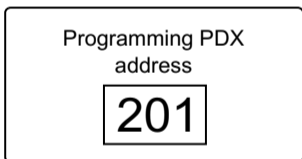


**Attention.** In this submenu there are some parameters whose changing can affect the correct operation of the system. It is necessary to modify these parameters only if in the system there is more than one switchboard. If in the system there is only one switchboard do not modify any parameter. To access this submenu it is necessary:

- press - select "Settings" - press - select "System"  
 - press - enter the 4-digit password - press - the following functions will be listed: PDX Address, PDX Hierarchy, Block PDX, PDX Type and A1 dest. address.

### PDX address

To change the PDX address, it is necessary: select "PDX Address" - press - press to erase the previous address of the switchboard (from the factory 201) - enter the 3-digit new address (allowed addresses from 201 to 210. **In block divisions, main switchboards must have addresses 201 to 206 while secondary ones 207 to 210**) - press - select "Save" - press .



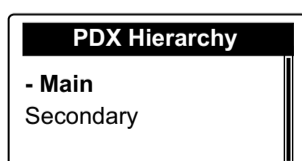
**Attention.** Internal users must have on their intercom or videointercom a button programmed with the same address of the switchboard.

**Note:** After editing this option, you must restart the switchboard.

### PDX Hierarchy

If in an installation there is one or more switchboards on the main line and other switchboards in one or more secondary lines it is necessary to set each of them according to the following instructions:

- set as **"Main"** those connected to the main line
  - set as **"Secondary"** those connected to the secondary lines
- From the factory all the switchboards are set as "Main".



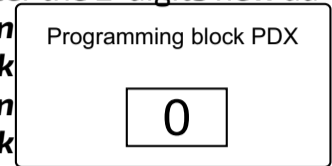
Once in the PDX Hierarchy menu - press

- select "Main or Secondary" - press - select "Save" - press .

**Note:** After editing this option, you must restart the switchboard.

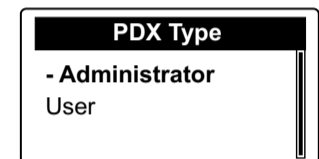
### Block PDX

To change the PDX block address, it is necessary: select "Block PDX" - press - press to erase the previous address of the switchboard (from the factory 0) - enter the 2-digits new address (allowed addresses from 00 to 99. **In general, it is not necessary to set the block address; if the switchboard is installed in the main part of the system and the block address is set, the switchboard will only be able to call users belonging to the set block.**) - press - select "Save" - press .



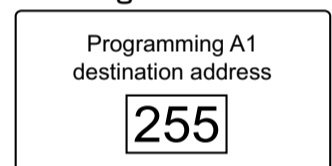
### PDX Type

The switchboard can be set as Administrator to allow access to the "Mode" menu and allow to choose between Normal mode or Direct dialing or as User where this choice is inhibited. The switchboard by factory is set as Administrator. Once in the "PDX Type" menu - press - select "Administrator or User" - press - select "Save" - press .



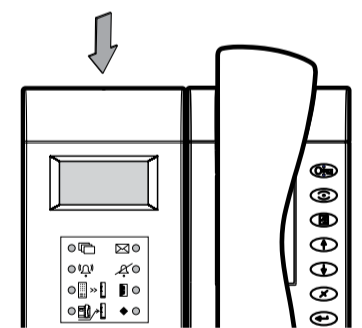
### A1 dest. address

The address of input A1 of the switchboard can be programmed so that when A1 is closed on GN it sends a bell signal to the address set in this page. The allowed values are: 001-200 which means bell to the corresponding user address or 255 which means not enabled. Once in "A1 dest. address" - press to erase the previous address of the switchboard (from the factory 255) - enter the 3-digit new address (allowed addresses from 001 to 200 and 255) - press - select "Save" - press .



### Reset

In addition to Restart command in the "Device Manager" menu, it is possible to perform a "hard restart" using the button on the top of the switchboard. To restart the switchboard press and hold the button for a few seconds, using a thin object and taking care not to apply excessive pressure the switchboard will reboot without any changes or data loss.



### Software updating

By memory card it is possible to load in the switchboard memory new software available by contacting the Farfisa technical service.

To upgrade the software release act as follows:

- load the new software release into a memory card;
- insert the memory card with a maximum capacity of 2 GB in the proper socket located on the bottom of switchboard;
- restart via the menu or the restart button. Switchboard will reboot loading the new software version in a few seconds without losing any data or settings previously stored.