



2 MAIN FUNCTIONS OF THE KEYS

The 6 keys on screen side and the wheel sensor allow the user to access the operating modes, setup and programming pages of the videointercom; these keys modify their function according to the indications shown on the screen.

The “” and “” keys are dedicated to videointercom functions.







Warning. A dissuasion tone and the Farfisa logo flashing when any of the keys is pressed, warn the user that the function is not available because the service is not active or **the videointercom line is being used by other users.**

Key functions in stand-by mode

By touching the wheel sensor and the 6 keys fitted to the side of the screen, the user will display the functions available. A further touch will enable the function shown on the screen.

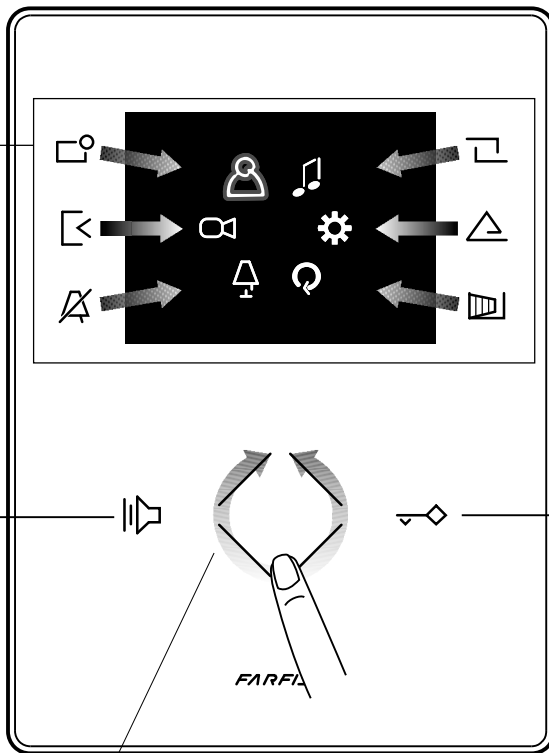
The “” and “” keys instead, activate their function directly.

ENGLISH

Every key , , , ,  and  enables the function shown on the screen and varies according to the operating state of the videointercom.

It enables:

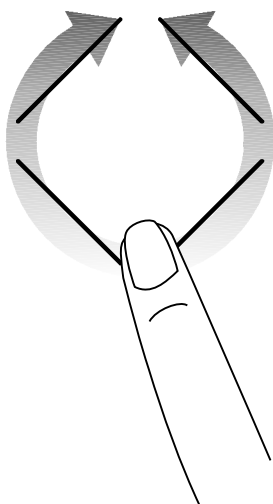
- monitor of external video door stations (or the last active station if there are several entrances);
- voice communication after having received a call or monitoring function;
- closing the communication with the external door station. The conversation also ends when the conversation time of the monitor or the system expires.



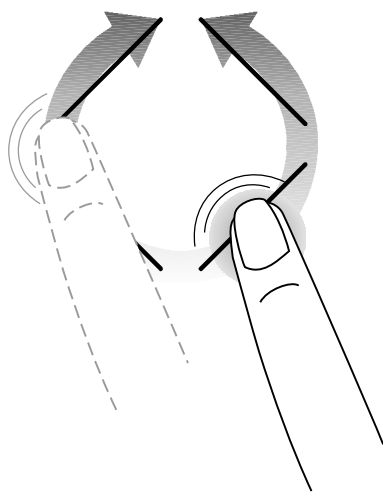
It enables operating the electric door lock of the entrance in communication or the last entrance which has made a call.

How to use the middle wheel

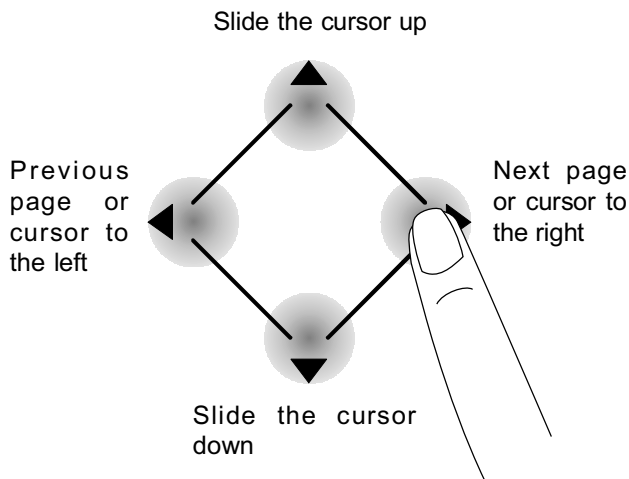
Rotary movement for selecting or searching



Rotary movement for selecting or searching and subsequent touch to confirm

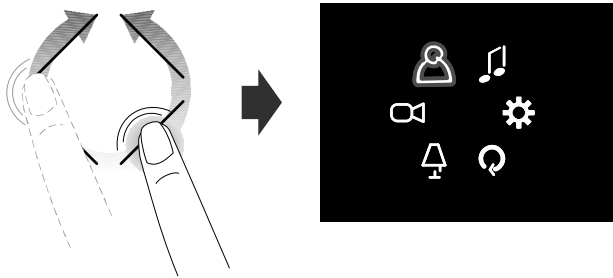


How to move the cursor or change the page



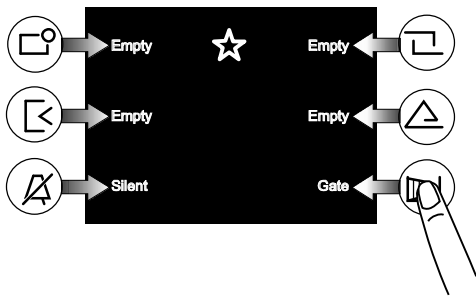
Access the main menu

With the monitor in stand-by and no other videointercom turned ON in the system, access the menu by touching any active point of the wheel sensor. From the menu the user can access all programming, setup, adjustments and activation pages of the videointercom.

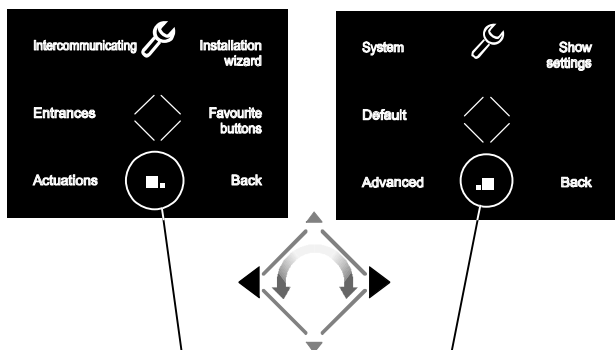


Access the "Favourite buttons" menu

With the monitor in stand-by and no other videointercom turned ON in the system, to access the favourite buttons menu and the specific functions associated to every key during programming (favourite buttons). The next image shows the display with factory settings.



How to display next/previous functions of a page



If on middle bottom screen are displayed 2 or more boxes it means that the functions are present in several pages. Use the keys ◀▶ or rotate the wheel sensor to move from one page to another.

3 PROGRAMMING

To ensure correct operation of the videointercom, the latter must be programmed by the installer; incorrect programming may compromise the operation of the whole system. The main parameters to be set are the following:

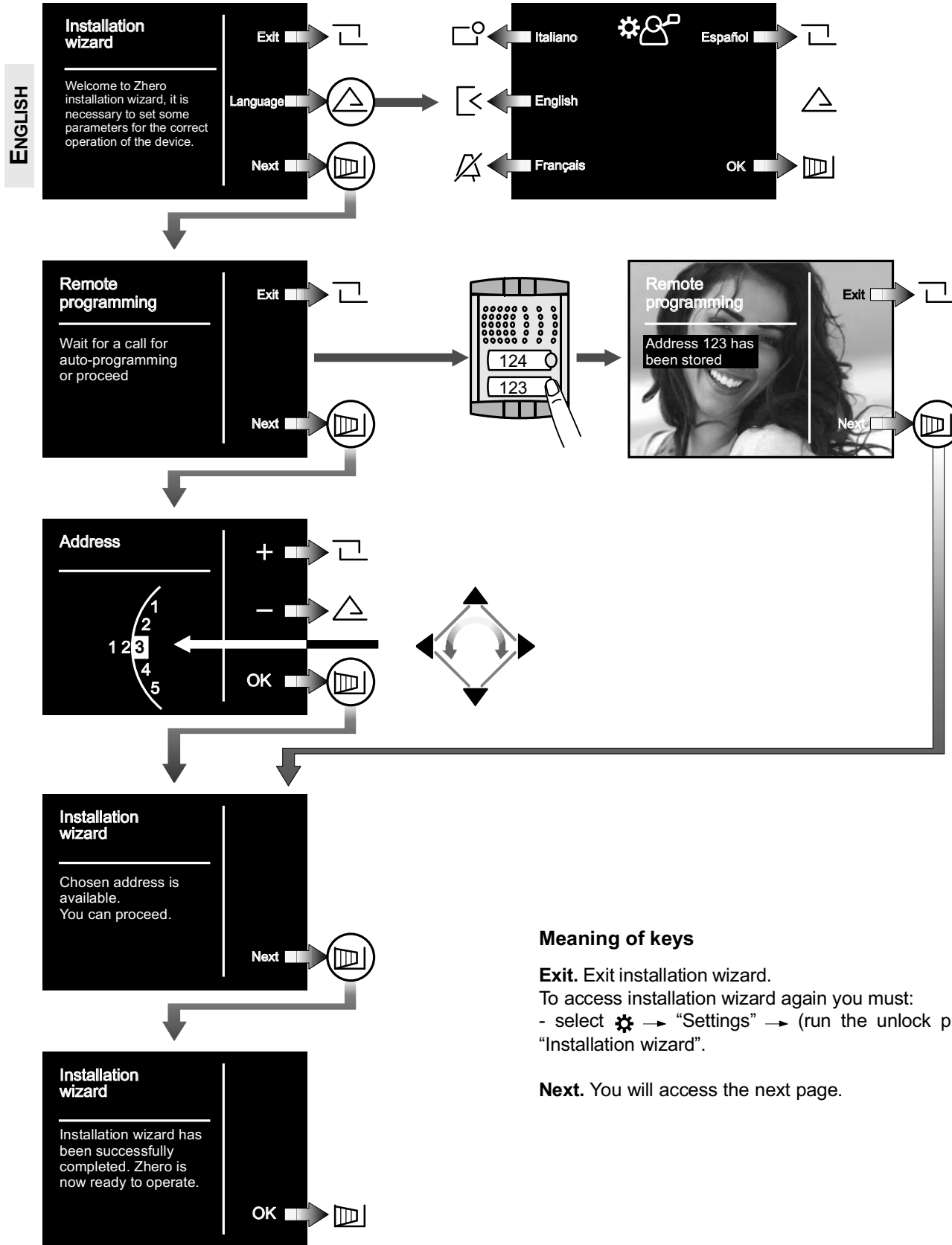
- **User address** (*mandatory*); this address identifies the videointercom device within the installation. Enter a number from 001 to 200 taking into consideration the following:
 - the number of the apartment should not be equal to that of another apartment; if there are several internal stations connected in parallel in the same apartment, they should have the same user address but different room number (see the next section);
 - it should match the address stored in the external push-button panel and the door keeper exchanger, if any;
 - it should be stored in the calling key and the contacts of another device, if intercommunication between the two users is required.
- **Room number** (*mandatory in case of multiple devices in the same apartment*); identification address of a device inside the same apartment (*addresses from 000 to 009*). The room number establishes a hierarchy in the internal devices since the device with room address **0 (zero)** will be the main device and all the other devices will be the secondary ones. The different room number enables making/receiving calls between devices installed within the same apartment selectively. The external calls or calls from another apartment will make all devices ringing, the first device that answers the call will activate the conversation and switch OFF the ringer of the other devices. When you receive a call from an external door station equipped with camera, all the devices will ring, but only the main device (*room address 0 - zero*) will display the camera image. The entrance can be displayed from any of the other videointercom installed in the same apartment by pressing the key "||"; this key disables all buzzers, turns ON the relative videointercom, while turning OFF the main videointercom screen.
- **Intercommunication devices; names and addresses of other devices** that you intend to communicate with such as:
 - users of other apartments; it allows to call them selectively (*addresses from 001 to 200*);
 - videointercoms in the same apartment; it allows to intercommunicate with the equipment of other rooms in the same apartment (*room number from 000 to 009*);
 - door keeper exchangers (*addresses from 201 to 210*).
- **Entrances; names and addresses of external door stations** (not necessary in the case of a single door station) to enable the videointercom to monitor these entrances separately and operate the lock, if needed (*addresses from 231 to 250*).
- **Actuations; names and addresses of actuators** for additional services (additional locks, stair lights, etc.) that can be activated directly from the videointercom (*addresses from 211 to 220*).
- **Favourite buttons**; when the monitor is in stand-by, the 6 side keys can be used to directly activate additional services that are used more frequently (automatic gate, stair lights, intercommunicating calls, calls to door keeper, etc.).



Warning: the addresses stored in the videointercom must be the same of those programmed in the devices to enable.

3.1 Installation wizard

To enable easy device programming, at first power-ON (or subsequently if selected in "Set-up" menu) will start an installation wizard. This procedure enables fast and easy setup of essential parameters for videointercom operation such as device address and room number, the latter required only if there are several devices installed in the same apartment. For further details refer to the following pictures. Should it be required to set other parameters the user can access the "Settings" menu - see section 3.2 at page 19.



Meaning of keys

Exit. Exit installation wizard.

To access installation wizard again you must:

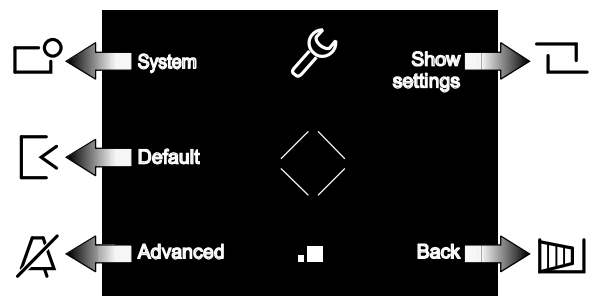
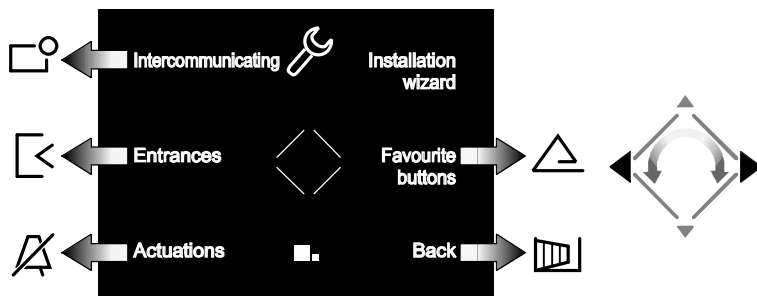
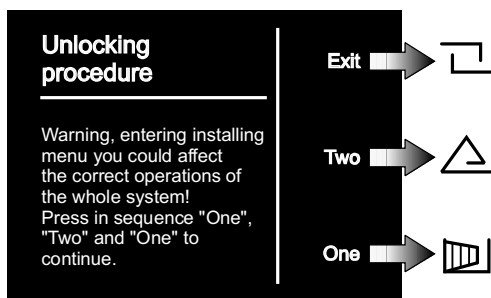
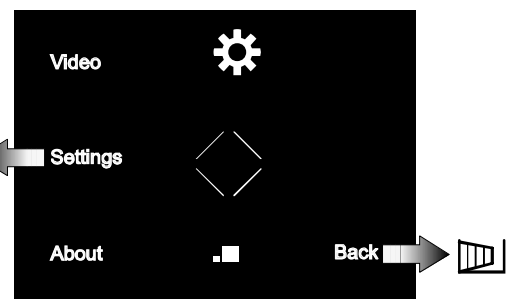
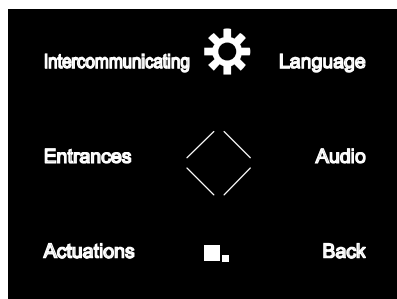
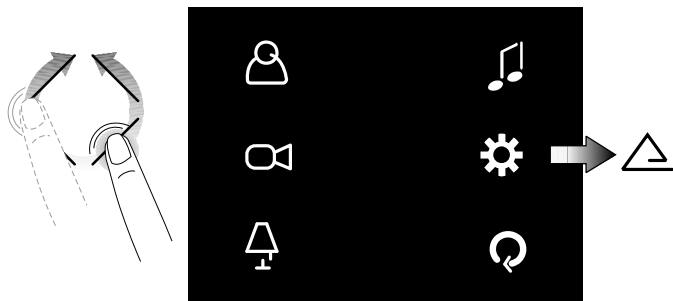
- select → "Settings" → (run the unlock procedure) → "Installation wizard".

Next. You will access the next page.

3.2 Programming

Installation wizard enables setting user addresses only; all the other parameters can be set proceeding as follows:

- operate the wheel to access the main menu;
- select  → "Settings" → (run the unlock procedure) → access sub-menus to set the required parameters following the indications below.



Intercommunicating. Enter the **addresses** and the **names of the devices** with which the videointercom should communicate. The names can be modified at a later time by the user by accessing the "Set-up" menu.

Entrances. Enter the **addresses** and the **names of the entrances** to which the videointercom should connect. The names can be modified at a later time by the user by accessing the "Set-up" menu.

Actuations. Enter the **addresses** and the **names of the devices that can be activated** by videointercom. The names can be modified at a later time by the user by accessing the "Set-up" menu.

Installation wizard. See section 3.1 at page 18.

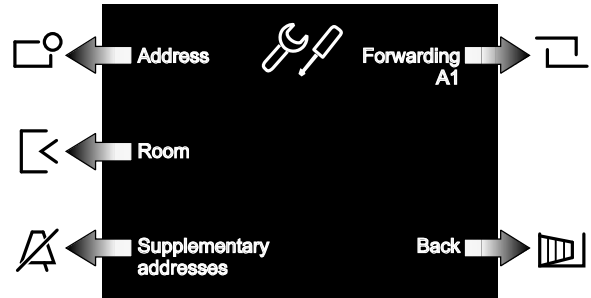
Favourite keys. Select the key to be programmed and then the function to assign.

System settings. This menu allows the user to set user addresses, room addresses, additional parameters and Forwarding A1 (see "System menu" section).

Default settings. It enables resetting the factory settings of the device; if there are any intercommunicating devices, entrances and actuations programmed, such entries will not be deleted.

Advanced Settings. Procedures and information protected by password that can only be accessed by Aci Farfisa technical service.

System Menu



Address. Enter the user address corresponding to that memorized in the external stations and the door station. Numbers from 001 to 200.

Room. Address that uniquely identifies all the devices installed in the same apartment (with the same user address). Numbers from 000 (main device) to 009 (secondary devices).

Supplementary addresses. Addresses of other users to which the device must answer. Beside the additional user address, it is required to set the correctly room number.

Forwarding A1. Enables or disables redialing floor call (doorbell) to other devices installed in the same apartment. It is also possible to enable advanced functions (contact the technical support service of Aci Farfisa).

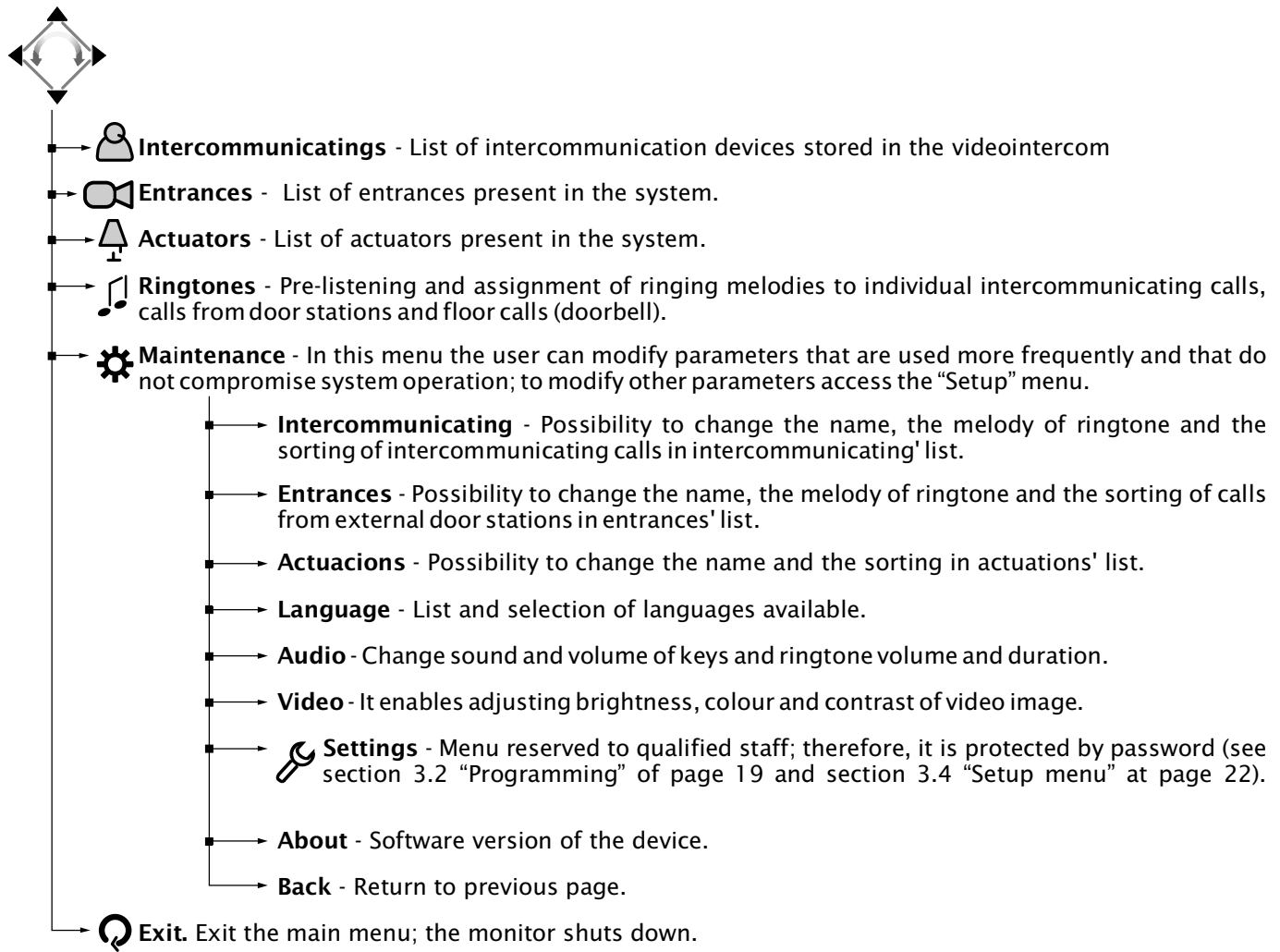
Technical characteristics

Power supply directly from the line	
Stand-by current:	8mA
Operating current:	280mA
Screen:	3.5" LCD
Television standard:	PAL
Horizontal frequency:	15625Hz
Vertical frequency:	50Hz
Band width:	>5MHz
Operating temperature:	0° ÷ +40°C

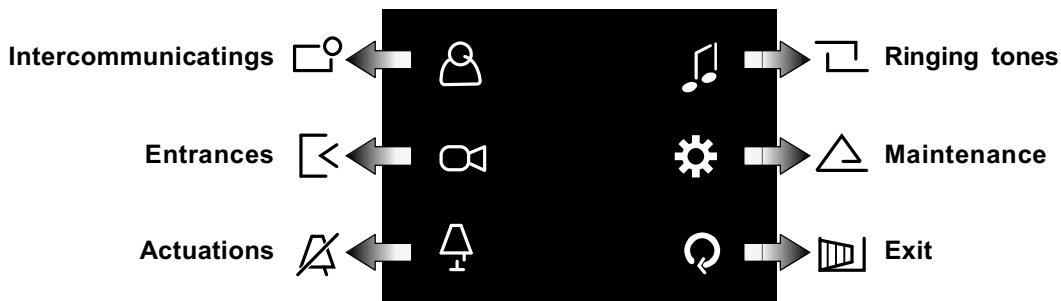
The Zhero videointercom uses a freeRTOS operating system (<http://www.freertos.org>).
 Sounds and ringtones by: <http://www.freesfx.co.uk>
<http://www.audionatix.com>
 For further information visit: www.acifarfisa.it
 mail: info@acifarfisa.it

3.3 MAIN MENU DIAGRAM

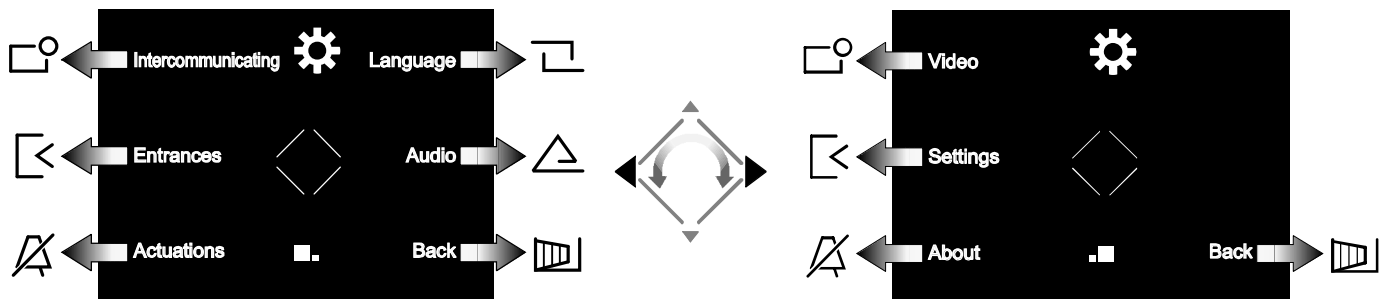
ENGLISH



Main Menu




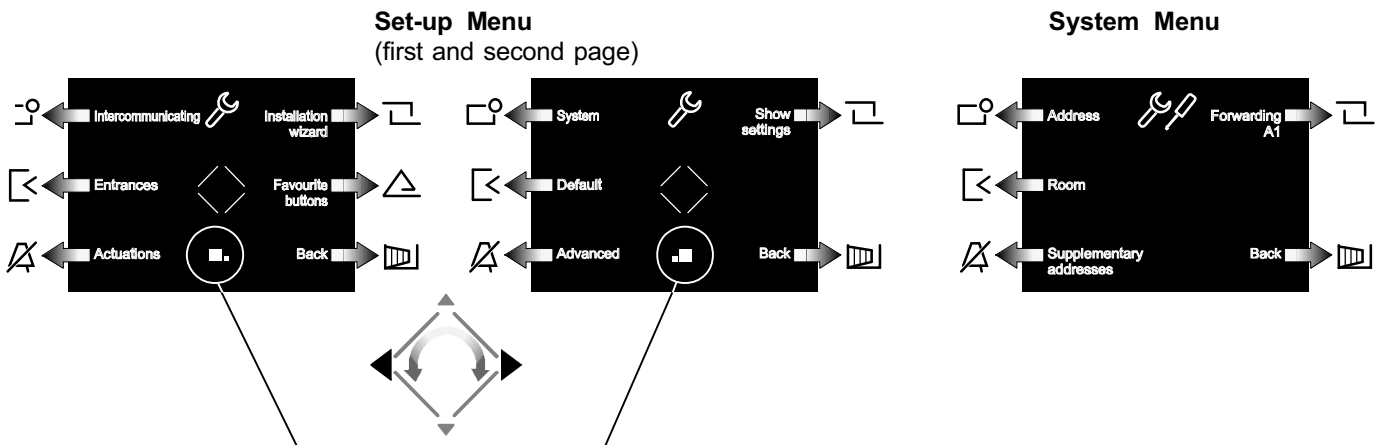
Maintenance Menu
(first and second page)





3.4 SET-UP MENU DIAGRAM

ENGLISH

-  **Settings** - This menu is reserved exclusively to qualified staff; therefore, it is protected by password; to access the menu follow the indications given in the main menu at page 21.
- **Intercommunicating** - Here the user can enter the names and addresses of intercommunication devices or to modify the data stored previously; to manage these parameters, the user must know the user and room addresses (if required).
- **Entrances** - Here the user can enter the names and addresses of external door stations or to modify the data stored previously; to manage these parameters, the user must know the addresses of door stations.
- **Actuations** - Here the user can enter the names and addresses of actuators or to modify the data stored previously; to manage these parameters, the user must know the addresses of actuators.
- **Installation wizard** - This procedure enables simple setup of parameters that are essential for the operation of the device. The procedure is enabled automatically at first power-ON or it can be run later via this menu.
- **Favourite buttons** - In this menu the user can assign direct functions to any of the 6 keys located to the side of the screen; direct functions are assigned through factory setting only to the 2 keys on bottom right (second door opening) and left (silent).
- **System** - Here the user can set the specific parameters of the system.
 - **User address** - This is the address that enables the video intercom to receive the call coming from external door stations from door keeper exchangers or other internal intercommunicating stations. For further information refer to chapter 3 "Programming".
 - **Room** - This is the address that enables identifying the intercommunicating devices installed in the same apartment; therefore, devices that have the same user address, but installed in different rooms. For further information refer to chapter 3 "Programming".
 - **Supplementary addresses** - The additional addresses (maximum 10) are further addresses to which the device should answer beside its own.
 - **Forwarding A1** - Enables or disables redialing floor call (doorbell) to other devices installed in the same apartment or running advanced functions.
 - **Back** - Return to previous page.
- **Default** - It enables resetting the factory settings of the device; if there are any intercommunicating devices, external door stations and actuators programmed, such entries will not be deleted.
- **Advanced** - Procedures and information protected by password that can only be accesses by Aci Farfisa technical service.
- **Show settings** - List of all actual settings.
- **Back** - Return to previous page.



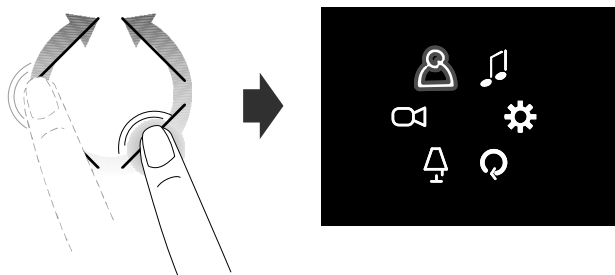
Use the keys   or turn the wheel sensor to change the page when on middle bottom page appear 2 or more boxes.

4 OPERATION

Access the main menu

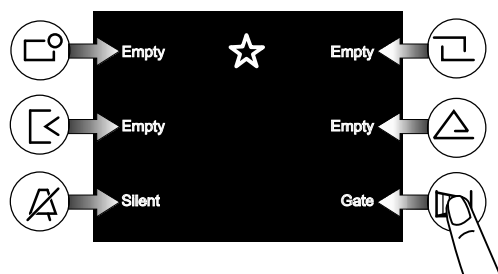
With the monitor in stand-by and no other videointercom turned ON within the installation, access the menu by touching any active point of the sensor wheel.

From the main menu the user can access all programming, set-up, adjustments and activation sub-menu.



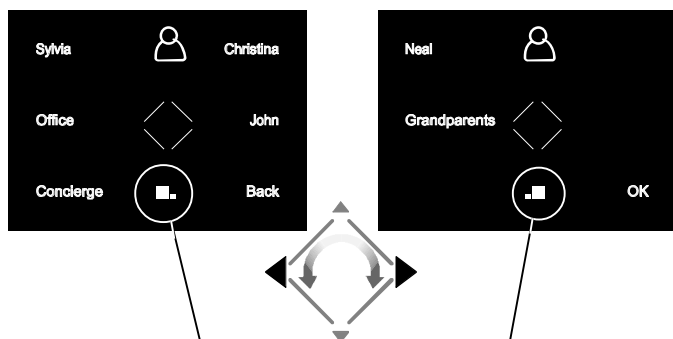
Access the "Favourite buttons" menu (direct activation of functions)

Press any one of the six buttons on the side of the screen, will appear the functions associated with each individual key (if programmed in "Favourite buttons" - see section 3.4 "Set-up menu diagram" on page 22).



The keys can activate the programmed function only when the monitor is turned ON.

How to display next/previous functions of a page



If on middle bottom screen are displayed 2 or more boxes it means that the functions are present in several pages. Use the keys ◀ ▶ or rotate the wheel sensor to move from one page to another.

Videointercom

Following an incoming call from the outside or by touching the key "▶", on the screen is displayed an image for about 30 seconds. By touching the key "▶" once again, it is possible to communicate to external stations for about 90 seconds. To shut down the videointercom touch the key "▶" or wait for the timer to expire.

The electrical lock can be operated by touching the key "◀"; Touching the keys, without receiving a call, the user operates the electrical lock of the last calling entrance.

With the videointercom image displayed, the user can adjust the audio/video parameters or select other entrances (if any), by touching the side keys.



- Video settings (contrast, brightness and colour)
- Disabling/enabling videointercom microphone
- Ringtone disabling (see section "Ringtone disabling")
- Adjusting the audio and ringtone volume (attention! New the settings are permanently stored in the memory)
- List of additional services available (video cameras, actuators, etc.)
- Operating the automatic gate or supplementary video camera

Ringtone disabling

The ringtone can be disabled instantly upon receiving an incoming call by touching the key "▶". At the next call, the ringtone will be enabled automatically.

To permanently disable the ringtone you must access the "Favourite buttons" and touch the key "▶"; the symbol will flash to indicate that the ringtone has been disabled and will keep ON flashing until the ringtone will be reactivated again by the same procedure.