

# Instructions manual

**21553**

Multimedia video touch screen 10in Full Flat.



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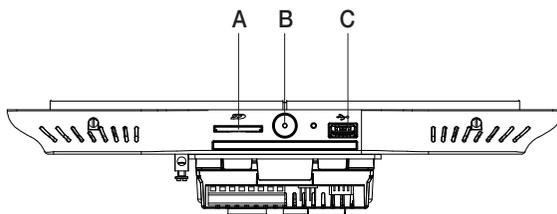
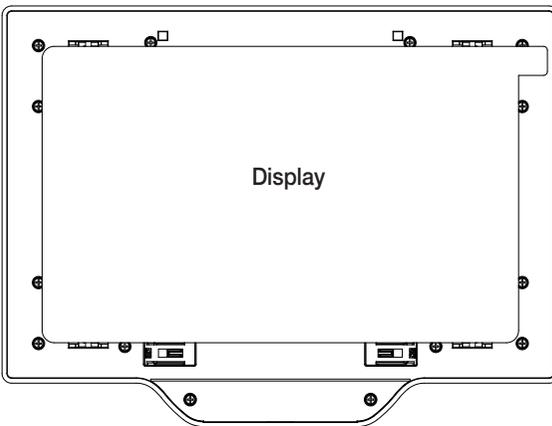
# Description

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## 1. DESCRIPTION

In a By-me automation system in which the web server is installed, the multimedia video touch screen enables complete control of lights, roller shutters, HVAC, speaker system, scenarios, event programs, load control, power consumption management (Energy Guard) and intrusion detection alarm system. The multimedia video touch screen can moreover also be used as a video door entry unit and it manages all the functions of the Due Fili (Two Wire) video door entry system (displays images from panel and from video cameras, voice communication with speech unit, audio door entry units and call buttons, opening electrical lock, etc.). The connection with the web server will enable not only supervising and controlling the entire home automation system (automation, intrusion detection alarm system and video door entry system) but also browsing certain websites (weather forecasts, news, RSS feed reader, web radio), displaying video or photographs, listening to music (mp3 files), writing notes and linking them to an acoustic alarm signal (date and time), creating graphic notes with real drawings thanks to the "blackboard" function.

### 1.1 Main characteristics.



- A: SDHC port
- B: ON/OFF button
- C: USB port

#### ON/OFF button:

- ON: with the device switched off, press once to turn on the video touch screen.
- With the device switched on, press once to display the context menu.
- OFF: with the device switched on, press and keep pressed until the video touch screen displays the off icon.

**Video backlighting lifetime:** 10,000 hours (at 25°C)

The lifetime is defined as the estimated time for the brightness to fall to 50% of the initial value.

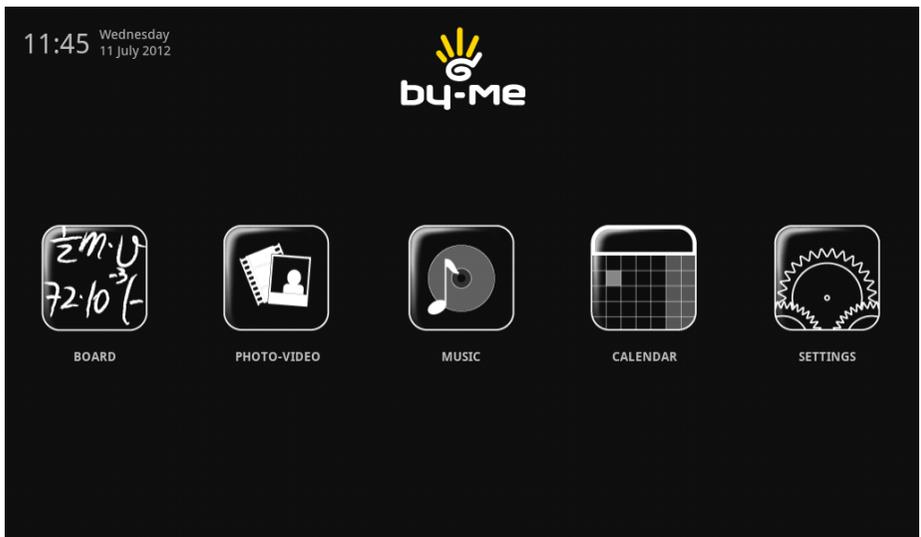
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# Main Menu

## 2. MAIN MENU



To display all the other icons, scroll horizontally with your finger over the area covering them.



## Main Menu

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**IMPORTANT:** The default passwords, namely the ones to use when first switching on, are the following:

- **Administrator password:** admin
- **Installer password:** inst

For all the details on user management (Administrator, Installer, etc.) and the associated functions please see chap. 3.4 on page 58.

### 2.1 Notices.

In case of special settings or events (for example video door entry call, alarm silencing, etc.) the multimedia video touch screen will display the following warnings:

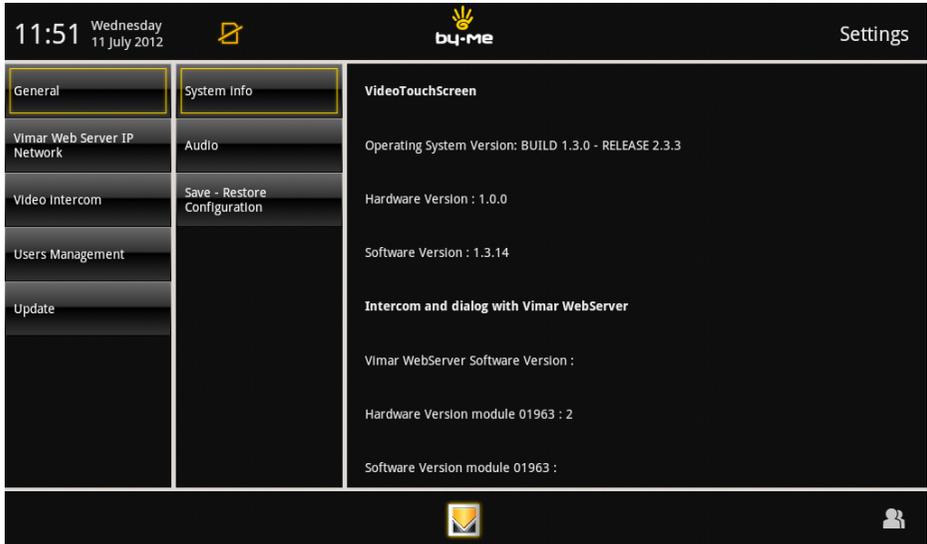
-  : User absent
-  : Ringtone off
-  : "Door open" indicator
-  : SD card not inserted
-  : SD card inserted 51-75%
-  : SD card inserted 76-100%
-  : Indicator for "lost call" (video door entry system) and "new note" (blackboard)

# Settings

## 3. SETTINGS



From the main menu, touching the  icon takes you to the Settings menu.



### 3.1 General.

Touching the  icon displays the following options:

- System info;
- Reserved System info;
- Date and Time;
- Language and Unit of Measurement;
- Energy Saving;
- Line Out;
- Configuration Save - Restore.

## Settings

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- **System info**

Touching the **System Info** icon displays the software release and the main features of the multimedia video touch screen.



- **Date and Time**

By touching the **Date and Time** icon it is possible to adjust the time and date displayed.

By touching the relevant icons it will be possible to select Automatic or Manual mode, viewing the time in AM/PM or 24h mode, the time zone and set the current date.

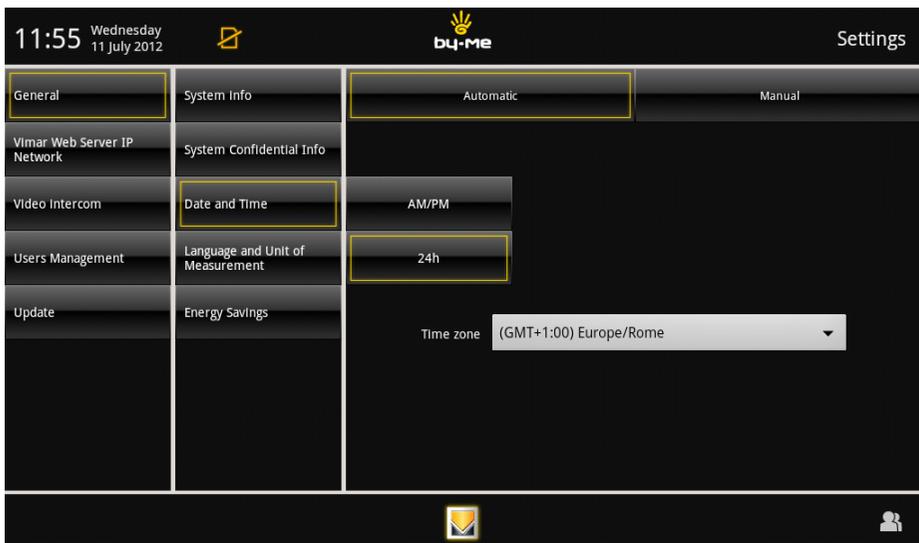
# Settings

Automatic:



The screenshot shows the 'Settings' page for the 'bu-me' system. At the top, the time is 11:55 on Wednesday, 11 July 2012. The page is divided into several sections. On the left, there is a navigation menu with items: General, Vimar Web Server IP Network, Video Intercom, Users Management, and Update. The 'General' section is selected. The main content area is split into two columns. The left column contains 'System Info', 'System Confidential Info', 'Date and Time', 'Language and Unit of Measurement', and 'Energy Savings'. The right column contains 'Automatic' and 'Manual' mode options, with 'Automatic' selected. Below these are settings for 'AM/PM' (set to '24h') and 'Time zone' (set to '(GMT+1:00) Europe/Rome'). A yellow box highlights the 'Automatic' mode selection.

Manual:



This screenshot is identical to the one above, showing the 'Settings' page for the 'bu-me' system. However, in this view, the 'Manual' mode option is selected instead of 'Automatic'. A yellow box highlights the 'Manual' mode selection.

## Settings

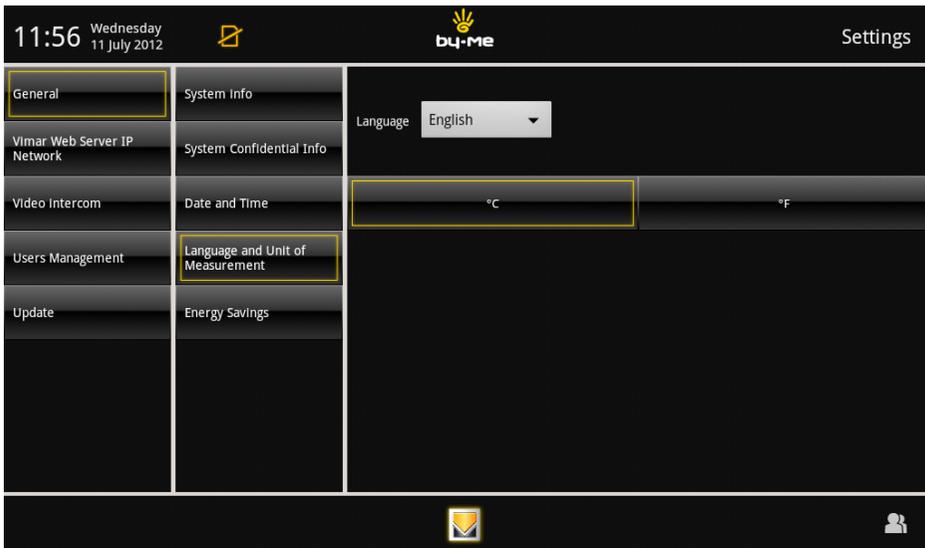
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### • Language and Unit of Measurement

By touching the **Language and Unit of Measurement** icon it is possible to select the language in which all the words will be displayed and the unit of measurement with which the multimedia video touch screen will display the temperature of the various system environments.

Touch the drop-down menu on "Language" and select the desired one.

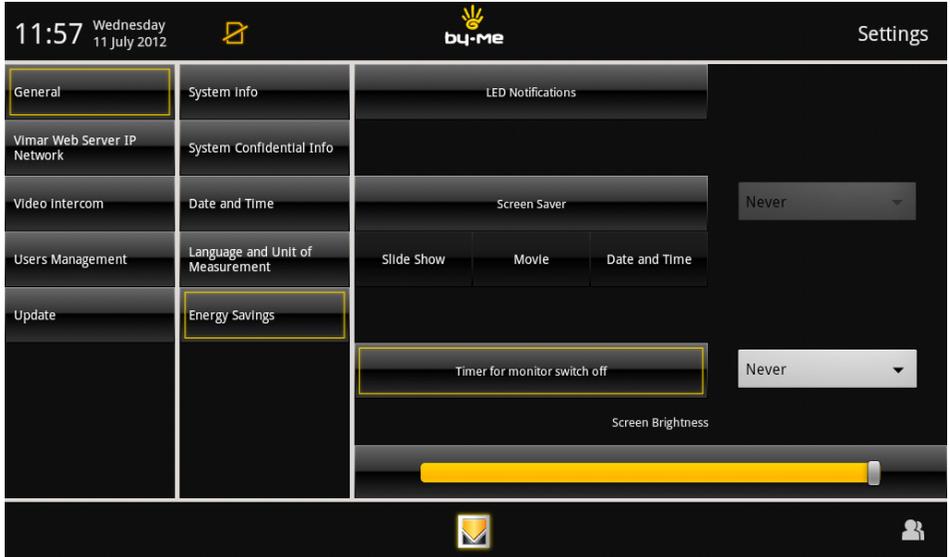
Touch the icon corresponding to the unit of measurement for the temperature in °C or °F; the set unit of measurement will then be used in the Weather application.



# Settings

- **Energy Saving**

Touching the **Energy Savings** icon takes you to the screen for setting the screen saver for the multimedia video touch screen.



By touching **Screen Saver ON** it is possible to choose different types of screen saver:

- **Slide Show** enables selecting a picture folder on the SD card;
- **Movie** enables selecting a video on the SD card;
- **Date and Time** enables viewing the current day, date and time.

The drop-down menu alongside the **"Screen Saver ON"** icon is used to set the time-out at the end of which the screen saver will be displayed.

By selecting **Screen Saver OFF** it is possible to set only the "monitor switch-off timer"; the display of the video touch screen will switch off.

The drop-down menu alongside the **"monitor switch-off timer"** icon is used to set the time-out at the end of which the display will switch off.

## Settings

- **Line Out**

With this screen you can monitor the audio signal of the multimedia video touch screen and also an additional independent sound source.

Touching the  icon displays the icons for single or joint control of the audio channels.



To adjust the default volume of the speakers during a call, touch the cursor of the scroll bar and move it to the left or right according to the desired volume (the level is highlighted by the illumination of the bar).



## Settings

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- Configuration Save - Restore

Touching the **Configurazione Salva - Ripristina** icon takes you to the screen that is used to save the configuration made or restore the one prior to the changes.



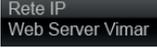
Then touch the **Salva configurazione** icon or **Ripristina configurazione** to carry out the desired operation.

When saving the configuration a pop-up is displayed that allows you to choose where you want to save it.

## Vimar Web Server IP network

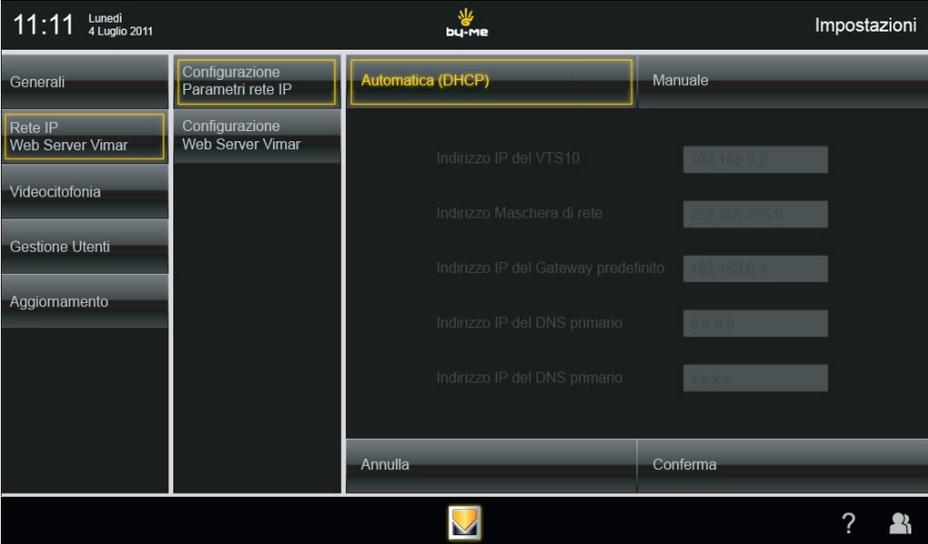
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### 3.2 VIMAR WEB SERVER IP NETWORK.

Touching the  icon displays the configuration options for the network settings and for the interfacing between the multimedia video touch screen and the Vimar Web Server 01945.

#### • IP Network Parameters Configuration

The network parameters can be set automatically by the device or by manually entering the addresses to be linked.



11:11 Lunedì 4 Luglio 2011  Impostazioni

Generali Configurazione Parametri rete IP Automatica (DHCP) Manuale

Rete IP Web Server Vimar Configurazione Web Server Vimar

Videocitofonia

Gestione Utenti

Aggiornamento

Indirizzo IP del VTS10 192.168.0.2

Indirizzo Maschera di rete 255.255.255.0

Indirizzo IP del Gateway predefinito 192.168.0.1

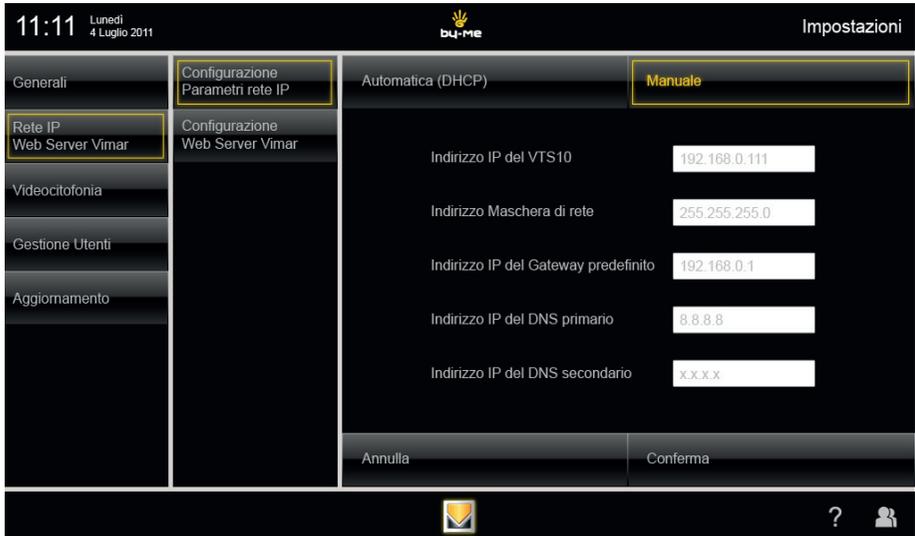
Indirizzo IP del DNS primario 8.8.8.8

Indirizzo IP del DNS primario x.x.x

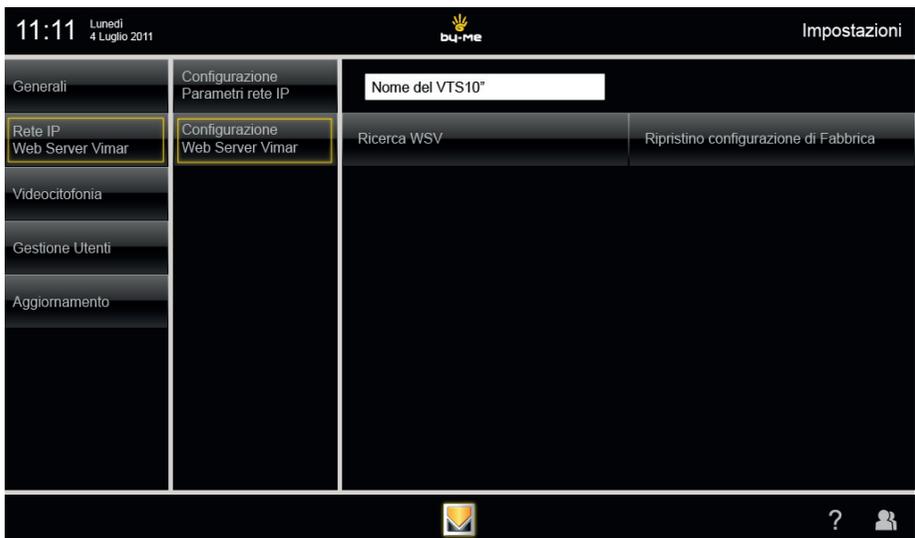
Annulla Conferma

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## Vimar Web Server IP network



- Vimar Web Server Configuration



With the  icon you seek and automatically link the Web Server 01945 to the multimedia video touch screen.

## Video door entry system

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### 3.3 VIDEO DOOR ENTRY SYSTEM.

#### Type of system.

The multimedia video touch screen can be used solely on video door entry systems of the Two Wire digital type; it will therefore be necessary to use solely power supplies in the Two Wire range (for the specifications see the relevant manuals). To create the audio and video function the type of connection, both toward the pillar and toward the speech unit, is made with a "2 wire non-polarized" bus cable.

The Two Wire system enables making types of systems in which the identification of the devices and controls is digital. Depending on the configuration of the system, each of the connected devices is characterized by a numerical code between 1 and 200 (the value must be univocal) and is able to receive and send data packets containing all the information related to the management of the communication; each data packet is composed of the identification of the destination device and the command that the latter must actuate.

All the control operations typical of a video door entry system such as, for instance, call, electrical lock opening, stair lighting, etc., are therefore coded.

The voice unit for the voice communication and the video signal for viewing the images instead are still analogue signals. Lastly as regards the type of cables to use for the connection between the components of the system, both toward the pillar and toward the speech unit, it is recommended to use the twisted bipolar BUS cable with a cross-section of 1 mm<sup>2</sup> (type art. 02037 or the equivalent).

**In the case of Due Fili video door entry systems where there are monitors 21550/20550/14550 combined with the module 01963 and with the presence of By-me home automation modules 01960 (or control panels with video door entry unit 01956), the following applies:**

- The maximum number of indoor stations per pillar or after separator 692S, made with art. 21550/20550/14550 + 01960 + 01963, is 4 (that is a maximum of 4 independent home automation subsystems connected to the pillar of the Due Fili system).

- It is possible to connect other Due Fili devices (art. 21553, 21554, 01955, 20557, 20577, 21550/20550/14550/+01963, etc.) up to a maximum of 32 total devices per pillar or after separator 692S.

**In all the above cases, if you need to exceed the maximum number of devices, it is necessary to expand the system by using separators 692S and their power supply units creating separate galvanic isolations.**

#### Advantages of the Two Wire system.

The most important advantage offered by the Two Wire system, compared to other video door entry systems (classic "8 wire + n" analogue or digital with multi-wire DigiBus), is its use in wiring the whole system with just 2 conductors, twisted and not polarized, on which the data, audio signal, video signal and necessary power supply are conveyed to the connected devices.

Thanks to this characteristic, the system is therefore ideal to be used both in small-medium residential systems and in large building complexes (up to a maximum of 200 indoor stations) because it considerably simplifies the wiring operations.

Another advantage of using the Two-Wire system is its extreme flexibility in the case of subsequent system expansion; it is possible, in fact, to add new indoor stations simply with the aid of the pillar without having to wire further cables toward the power supply.

The digital management of all the commands (call bell duration, type of bell, call time duration, answer time duration, entry with password or programmed key, etc.) lastly enables programming all the parameters of the devices according to the different requirements of each user.

## Video door entry system

### Main technical characteristics of the system.

- All the system elements are connected via bus with 2 wires that are twisted and not polarized
- Up to a total of 200 users, comprising audio and video door entry units
- Up to 15 entry panels, audio and video
- In colour video systems it is necessary to use the cable art. 02037 for a maximum distance of 75 m (for all the details see the Two Wire technical documentation)
- Up to 16 independent pillars
- Up to 16 auxiliary functions in the same system
- Audio and video door entry units with confidential conversation
- Audio intercom between all the audio and video door entry units or between groups of audio and video door entry units
- Differentiated call tone for entry panel, door panel and intercom
- Possibility of including additional ringtones in parallel with the audio or video door entry unit
- Multiple routing of the same call (up to 8 devices)
- Group video door entry call with only the group leader switching on (with no supplementary power supplies) or with all the video door entry units of the group switching on at the same time (with supplementary power supplies)
- Simple programming of the devices for the standard functions via panel and device buttons
- Advanced device programming via personal computer (pc), USB 02024 interface and “EVCom” software.

### Description of terminals.

The connector, on the pillar side, through which all the connections from and to the video door entry unit are made, has 8 terminals (inputs and outputs) divided according to the functions described in the table on the following page.

Terminal number	Type	Function
+12	-	Power supply for supplementary
CH	Output	Control for supplementary bell/relay
1	Input/ Output	BUS digital line
2	Input/ Output	BUS digital line
E+	Input	Supplementary power supply (+28Vdc, 24Vac)
E-	Input	Supplementary power supply (GND, 24Vac)
FP	Input	Landing button N.O. (doorbell function)
M	-	Ground reference for Landing push-button N.O.

### Operation of the Two Wire system.

The Two Wire system enables digital coding of the devices and the commands that are sent or that come from the external panel; the latter can be considered as the MASTER device (main appliance that manages the communication between the digital devices in the system) while every other single digital device (including the secondary panels) can be considered as a SLAVE (secondary appliance that is piloted/controlled by the master).

The entry panel is therefore essential for the operation of the Two Wire system and must always be installed in the system; all the programming parameters (call time, type of bell, electrical lock opening, code numbers of the indoor stations, etc.) are set and saved (until the next programming) in the main external panel (EEPROM memory).

For programming the panel and all the parameters correlated with it, see the related technical documentation.

## Video door entry system

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### Power Supplies and other.

The power supplies and other accessories that can be used for installing the system are all those of the Two Wire range; in particular, the following articles are recommended:

- 02030 (standard video door entry system power supply)
- 02031 (additional power supply for panels and monitor in parallel)
- 02032 (power supply for additional video cameras and landing video)
- 02020 (separator for the division of conversation areas, intercommunicating networks and landing door panels)
- 02019 (concentrator for connections of up to 4 entrance panels, of which at least one is a video door entry version)
- 02016 (audio/video interface module for external video camera)
- 02017 (expansion module for 4 video cameras with audio input to be connected to 02016)
- 02018 (active video floor distributor to adapt impedance of video signal)
- 02022 (digital relay with 2 independent contacts and maximum load of 3A 230V per contact)

As regards all the technical characteristics (supply voltage, current delivered, power input, description of terminals, etc.), see the technical manuals.

### General information on the digital controls.

The **digital** controls are packets of data that can be sent from/to each digital device and contain the information/instructions that enable activating a particular function (video call, intercom call, lock opening, stair lighting, auxiliary function activation, etc.). The control is mainly composed of 3 significant fields: < receiver - command code - sender >. An example of hexadecimal coding of a command is the following:

< 01 - 0E - FE > = LOCK

that represents the lock opening command of the main panel sent by device no. 1. Typically, in the Two Wire system, the main video door entry commands are the following:

- LOCK command
- FUNCTION F1 command
- FUNCTION F2 command
- AUX 1 SERVICE command
- AUX 2 SERVICE command

## Video door entry system

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These commands pilot actuators that are in the panels or in special auxiliary digital relays to be set up; in the case of the above-listed main commands (and in reference to the Two Wire panel series 0200..) the actuators are the following:

actuator S+/S-	S+(positive output 12Vdc max 200mA) with S- that closes to ground on receiving the LOCK command.
actuator F1	Contact that closes to ground on receiving the F1 FUNCTION command. 12Vdc power supply that can be taken from the '+12V' terminal max 100mA. To be used to control an auxiliary external relay.
actuator F2	Contact that closes to ground on receiving the F2 FUNCTION command. 12Vdc power supply that can be taken from the '+12V' terminal max 100mA. To be used to control an auxiliary external relay.
AUX 1 SERVICE actuator	Contact on digital auxiliary relay (to set up) art. 02022 (see technical documentation art. 02022)
AUX 2 SERVICE actuator	Contact on digital auxiliary relay (to set up) art. 02022 (see technical documentation art. 02022)

NOTE: There are up to a maximum of 16 AUX SERVICES in the system.

Each single command is sent by pressing a button (associated with the same command) on the device. Other commands can be associated and programmed as preferred on the available buttons via pc, interface USB 02024 and "EVCom" software.

The main function of the device is to identify, with communication and viewing via the audio and video channels, people asking to access the dwelling from the speech unit and to open or not open the electrical lock of the gate or door.

In addition, the video door entry unit enables implementing other additional functions that are:

- activating stair lights;
- self-starting the speech unit;
- additional auxiliary function(s) (according to the configuration of the buttons);
- intercom calls to other audio or video door entry units.

All the functions of the video door entry unit are enabled by pressing the dedicated buttons.

The main states of operation of the video door entry unit are the following:

- With display ON
- With display OFF

## Video door entry system

### The "TV" (Termination Video) line termination selector.

The bus line (where data, video and audio signal transit) is a line that must be adapted according to the installation topology of the plant, especially to assure the maximum quality of the video signal. The connector (TV - video termination) must be jumpered according to the prescriptions given in the following table:

position A	no termination	if the bus enters and exits the device
position B	termination 100 Ohm	if the bus terminates in the device
position C	termination 50 Ohm	alternative to position B

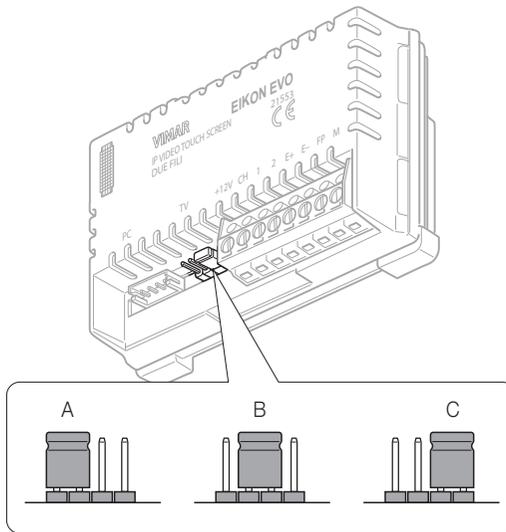


Figure 7 - "TV" line termination selector

## Video door entry system

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### Warnings for device coding and programming.

The identification phase (coding via numerical identification - ID) for some devices of the Two Wire system is done during the programming phase while for others it is done with jumpers or dip-switches in the device and that must be set during the phase of installation (see the instruction sheets of the single devices).

Important: It is vital, during the programming phase, for the system to have an electronic entrance panel model (02001, 02002, 02003, 02004), identified as the "Master entrance panel."

In an Two Wire system there must be only one Master entrance panel (identification code ID = 1). The various devices in the system must be programmed after their identification; this programming can be carried out with electronic entrance panel model 0200.. with a PC by means of the USB 02024 interface and the "EVCom" software.

Using the electronic entrance panels with conventional buttons (not with an alphanumeric keyboard) allows only standard programming of the devices but not advanced programming; this programming is anyhow enough for the operation of the devices in most systems.

### Device programming phases.

For the correct configuration and programming of the system, follow this procedure in sequence:

- Install and connect all the system devices.
- For video door entry systems, set the jumper for video termination as shown on the connection diagrams.
- If present in the system code the devices 02020, 02022, 692U, 692U/C, 69AV, 02016, 69AU.
- When there are electronic entrance panels with pushbuttons, do the hardware programming of any pushbutton modules.
- In systems with multiple electronic entrance panels, set the SLAVE panels (generally using the specific jumper) and code without connecting the MASTER entrance panel (ID code of the SLAVE panels between 2 and 15)
- Connect and power up the MASTER entrance panel (it is the panel with ID = 1).
- Program any entrance panel parameters. The essential parameters to program are shown on the connection diagrams.
- Code the audio and video door entry units from the MASTER entrance panel.
- Do any advanced programming of the audio and video door entry units (intercom push-buttons, group calls, digital relay activation ...).

## Video door entry system

### Numerical coding of the video door entry unit.

The multimedia video touch screen is identified in the system with a numerical code in the range from 1 to 200; it is then necessary to program this code with the following procedure:

- In the main window touch the **Video Intercom** icon and subsequently the **Installation** icon.



- Finally touch the **Configurazione Singola o Capogruppo** icon; the numerical coding is then completed.
- Send a call to the multimedia video touch screen from the MASTER panel with the desired numerical code; if you have a panel with an alphanumeric keyboard it is enough to key in this code and send it to the device by pressing the confirmation button on the panel while, if you have a push-buttons panel, send the call with the button that you want to associate with the video door entry unit on the panel.
- Lastly, check that the multimedia video touch screen answers the call (with an alphanumeric panel, key in the set code and press the confirmation button on the panel while, if you have a push-buttons panel, press the button corresponding to the call).

If you do not have a panel with alphanumeric buttons or single buttons it is necessary to use the USB 02024 interface with PC and "EVCom" software.

## Video door entry system

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### Secondary numerical coding of the video door entry unit.

Programming the secondary identification code is only required when you want to have more than one video door entry unit ring at the same time with the same push-button or call code.

The video door entry units that must ring at the same time are associated with the same group; The "master" video door entry unit is programmed first by means of the numerical coding procedure described above (see under the heading NUMERICAL CODING OF THE VIDEO DOOR ENTRY UNIT), while the additional group video door entry units are programmed with the secondary identification code.

A maximum of four video door entry units can be associated with the same group, without the need for the interface USB with PC and "EVCom" software.

**In the case of video door entry units it is necessary to add an additional power supply art. 02031 for each additional monitor after the second one (that is starting from the third one).**

By using the USB 02024 interface with PC and "EVCom" software, it is possible to program the activation of the bell of all the video door entry units without all the monitors coming on at the same time; then only the monitor of the video door entry unit being answered from is activated, with the self-start push button, in such a way as not to have to use any additional power supplies.

**If you want to program the video door entry unit as a secondary one of a certain master, the procedure is the following:**

- In the main window touch the **Video Intercom** icon and subsequently the **Installation** icon.
- Touch the **Configurazione Secondari** icon; the secondary numerical coding is then completed.
- On the panel, press the corresponding button or key in the number of the master; the secondary one will automatically acquire the master's id (for more details please see the technical documentation).

Alternatively, you can set the secondary identification via the USB interface 02024 using a PC and the "EVCom" software.

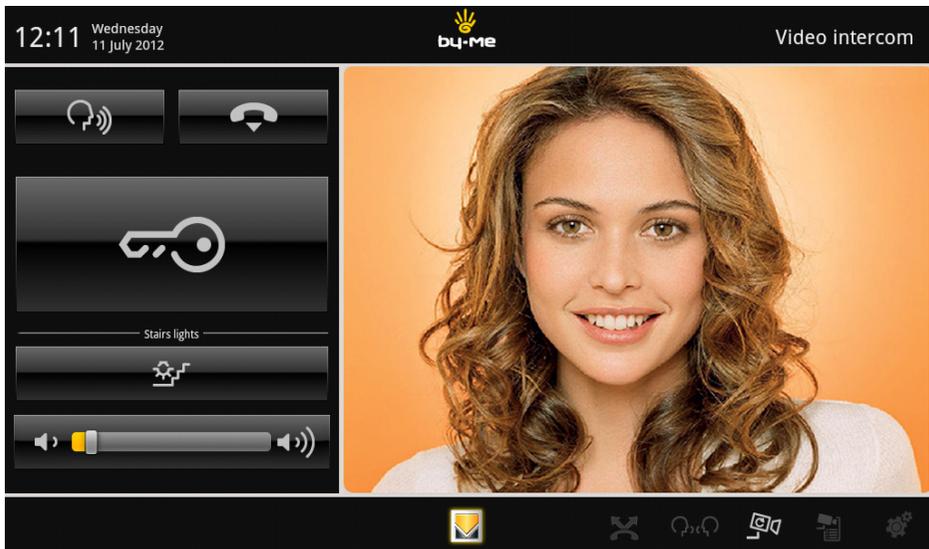
This type of approach enables associating the same group with up to 8 devices (video/audio door entry units).

## Video door entry system

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### Answering calls.

When a call is made from a speech unit (external panel or consumer unit), the device related to the called numerical identification modulates the programmed call tone on the speaker; the video door entry unit then emits an audible warning and, if there is also the video signal (that is, for instance, there is an audio/video panel), the display will switch on to show the person making the call.



Being a "Handsfree" system (also called On/Off speakerphone), to answer the call and communicate with the speech unit, it is sufficient to touch the  icon.

To break off the communication touch the  icon again.

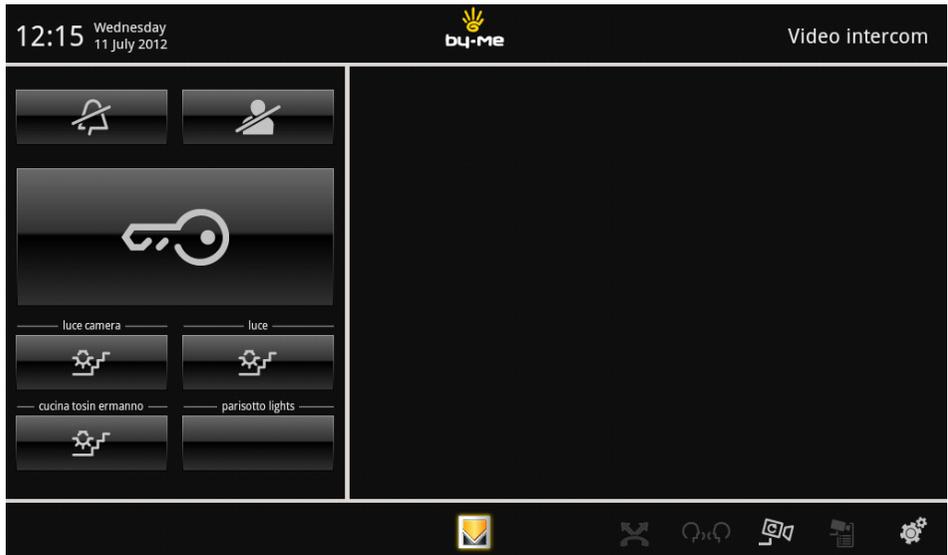
The call time is set as a panel parameter; these parameters can all be set in the phase of programming the external panel (MASTER) and involve various functions such as timing, recording users, etc. (for a full list of the parameters please see the technical documentation for the panel used and also read the "PROGRAMMING THE Due Fili PANEL" chapter).

If the video door entry unit is interfaced with the By-me home automation system, it is possible to end the call voluntarily.

## Video door entry system

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If there are no active calls, the video touch screen will show a window similar to the one shown below.



### Self-start function.

This function enables activating audio and video communication on the speech unit without a call being received; this can be useful, for instance, in the case in which it is wished to check the external zone or an internal zone where an additional video camera has been installed.

To activate self-starting on the external panel it is necessary to send the SELF-START command.

Repeatedly touching the icon associated with the SELF-START command cyclically performs self-start on any other secondary panels fitted; the progressive sequence is programmable as a panel parameter (using the PC, USB 02024 interface and the "EVCom" software).

The self-start on further additional stand-alone video cameras type CCTV (for instance 20560, 14560, 20565, 14565) is constrained by the presence of the audio/video interface 02016.

For greater details see the chapter "AUDIO/VIDEO INTERFACE FOR VIDEO CAMERAS" in this manual.

### Conversation Privacy.

The "Conversation Privacy" function enables communicating with the speech unit only if a call has arrived or if a self-start has been performed; it is not possible to listen to any other communications in progress nor run a self-start while there a conversation is in progress.

In Two Wire systems the "confidential conversation" function is always enabled.

## Video door entry system

### “Door Open” indicator.

This function enables displaying a “Door Open” signal on the video door entry unit through the ignition of an appropriate icon; this application is useful to avoid unwanted access to the housing unit.

To enable this function it is necessary, when the door is closed to connect a sensor with a N.O. contact to the terminals ‘PA’ and ‘M’ of the panel of the Two Wire system.

The icon turns on when at least one of the enabled doors closes the contact on the respective panel.

Example of installation:

TE - Video external entrance panel Art. 02003  
 CP - Lock opening button  
 SE - Electric lock 12 Vdc

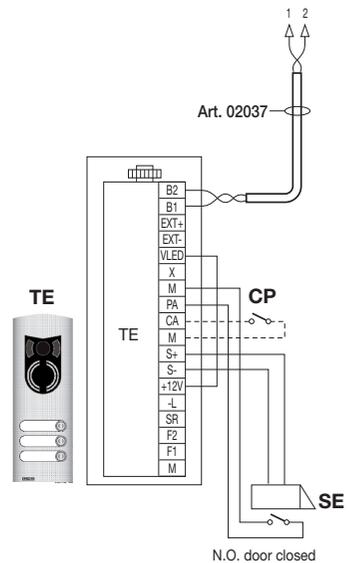


Figure 12 - Connection of the “door open” signal with additional power supply.

# Video door entry system

## LOCK command activation.

This command opens the lock of the door or the gate that provides access to the housing unit.

The command is made by touching the  icon that sends the LOCK command to the panel which activates the corresponding actuator.

With reference to the Two Wire panel series 0200.. its terminals to be used are the following:

- “S+/S-” for locks at 12 V dc with low absorption (200 mA max continuous)
- “+12V/SR” for locks with high absorption (specific external relay 12 V dc and dedicated power supply)

The activation time can be programmed as a panel parameter (see the chapter “PROGRAMMING THE TWO WIRE PANEL”); the LOCK command is activated with both the MONITOR ON and OFF.

Example of installation:

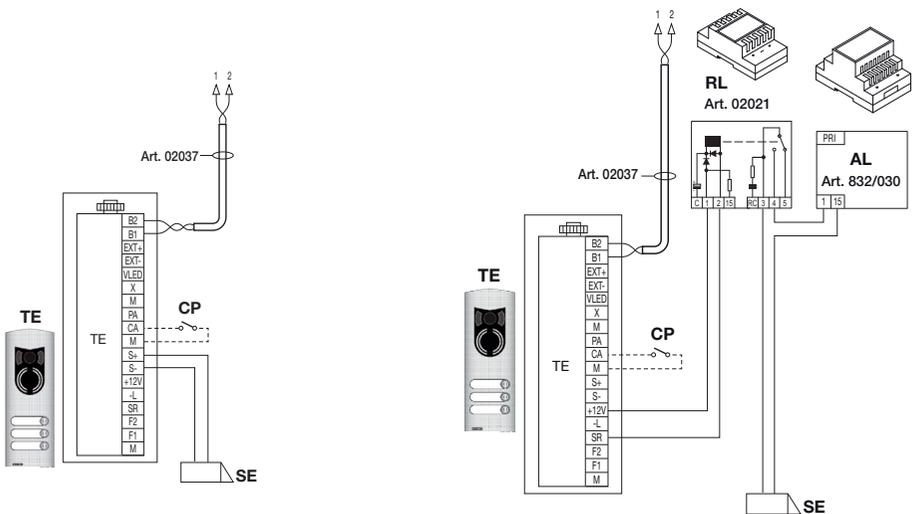


Figure 13 - Electrical Lock 12Vdc 200mA max

Figure 14 - Electrical Lock 15Vac 2A max

AL - Elvox Power Supply Art. 832/030  
 TE - Video external entrance panel Art. 02003  
 RL - Relay Art. 02021

CP - Lock opening button  
 SE - Electric lock

## Video door entry system

### Stair lights control activation (FUNCTION-F1/F2 or AUX SERVICE 1/2).

With this command it is possible to activate the output used for commanding a suitable external relay connected to one or more lamps to be turned on.

To activate this type of service it is possible to use both the FUNCTION F1/F2 commands (actuators available directly on the panel and common to all the internal ones) or the AUX 1/2 SERVICE commands (up to a max of 16 independent services) with the support for an external digital relay art. 02022.

The command is activated by touching the appropriate icon that sends the AUX 1 SERVICE command that activates the corresponding output in the supporting digital relay (factory setting); nothing anyhow prohibits using the F1/F2 FUNCTION command and the related actuator of the panel (use the terminal '+12V' as positive and 'F1' or 'F2' as negative) to enable an external auxiliary relay (to setup).

For loads supplied at 230 V it is recommended to use relays of 12 Vdc with output 230 Vac 3 A.

The staircase lighting command is always active in both states of operation MONITOR OFF and MONITOR ON respectively.

Example of installation:

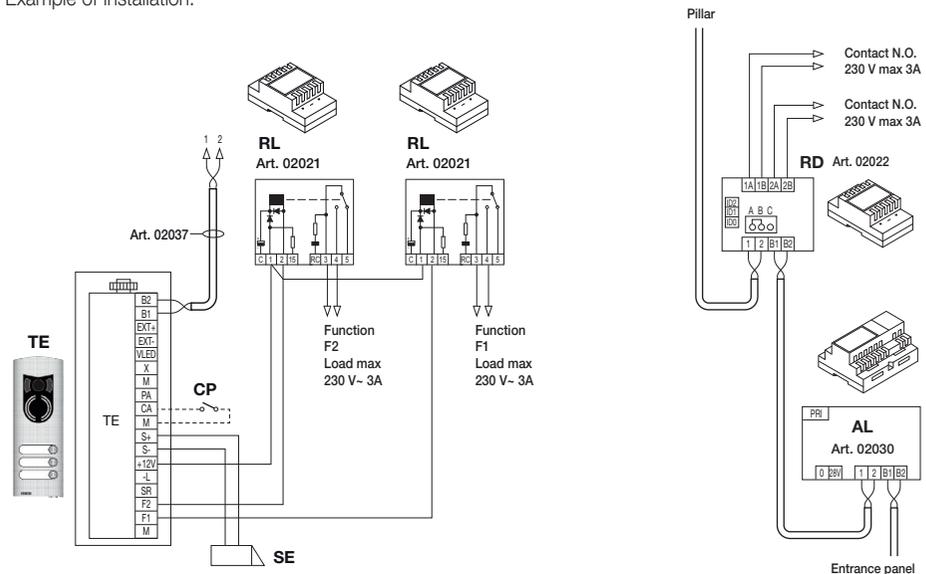


Figure 15 - Staircase lighting with F1/F2 FUNCTION

Figure 16 - Staircase lighting with AUX 1/2 SERVICE

AL - Power Supply Art. 02030

RD - Digital relay Art. 02022

RL - Relay Art. 02021

TE - Video external entrance panel Art. 02003

CP - Lock opening button

SE - Electric lock 12 Vdc

## Video door entry system

### Auxiliary Function Activation (Function-F1/F2 or AUX SERVICE 1/2).

The activation command of any auxiliary functions can be used to activate services or external devices such as, for instance, courtesy lights, automations, etc.

It is possible to use both the FUNCTION F1/F2 commands (using the actuators available directly on the panel and common to all the internal ones, that have not already been used - e.g. to switch on the stair lights) or the AUX 1/2 SERVICE commands (up to a max of 16 independent services and that are free from other uses) with the support for an external digital relay art. 02022.

The command is activated by touching the appropriate icon or the combination of buttons that sends the selected command (see the map of the combinations in 2ndF in chapter "THE SECOND FUNCTION BUTTON (2ndF)" available to send this command); then as regards the supporting relays, the related loads and connection diagrams, the same considerations apply as above.

The auxiliary function activation command is always active in both states of operation MONITOR OFF and MONITOR ON respectively.

**WARNING:** The activation time of the FUNCTION-F1 and FUNCTION-F2 commands is set with the advanced panel programming; in addition it is possible to set also the activation time of the AUX 1 SERVICES. .16 (for all the details see the related technical documentation art. 02022).

### Doorbell calls

This application enables, with a normal N/O button outside and connected directly to the video door entry unit, accomplishing the function performed by the traditional doorbell.

The N/O button must be connected to the terminals 'FP' and 'M' of the multimedia video touch screen and, on pressing this button, the video door entry unit emits an acoustic signal without however turning on the monitor; the tone of the bell is fixed and cannot be modified.

Example of installation

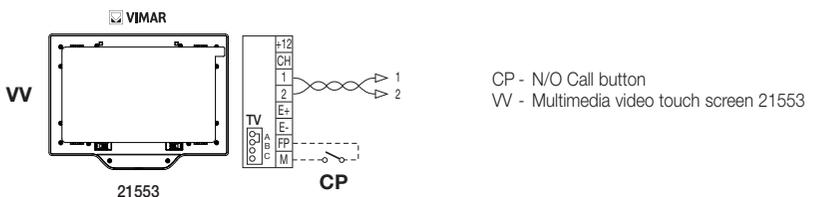


Figure 17 - Doorbell calls

# Video door entry system

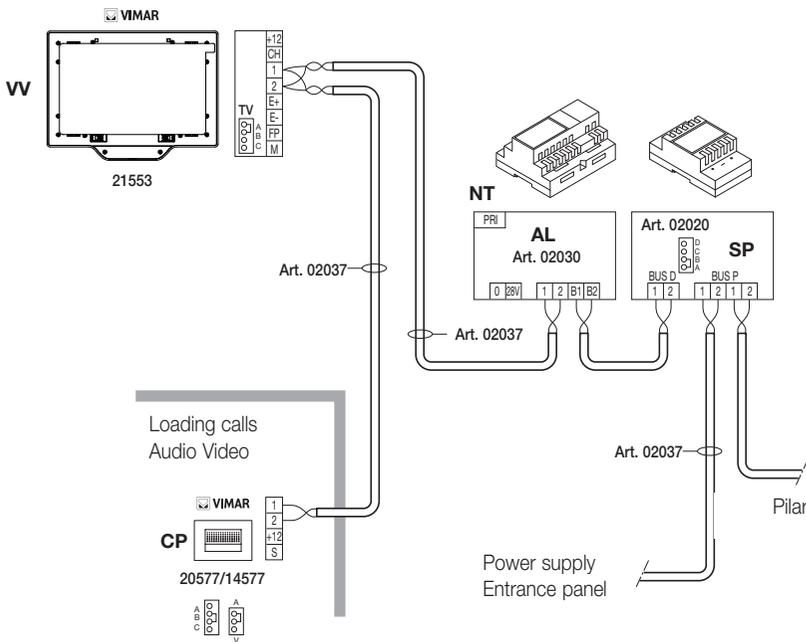
## Landing calls.

The system enables making both audio and audio/video external stations that can be used, for instance, on the landings of condominiums through which people pass to access the door for entry into the apartments.

The audio speech unit is made with the call button 20577 or 14577 while the audio/video one is composed of the same call button with which a video camera is combined (art. 20560, 14560 or 20565, 14565) with the opportunity of adding also the LED illuminators (art. 20570, 14570) if the environmental illumination is not enough.

Finally, to make the audio/video call from the landing, it is necessary to use the audio/video interface for video cameras 02016 (see the chapter "AUDIO/VIDEO COMMUNICATION FOR LANDING CALLS" of this manual).

Example of installation:



AL - Power Supply Art. 02030  
 SP - Separator Art. 02020

CP - Landing call button Art. 20577/14577  
 NT - Network  
 VV - Multimedia video touch screen 21553

Figure 18 - Landing calls, audio only

## Video door entry system

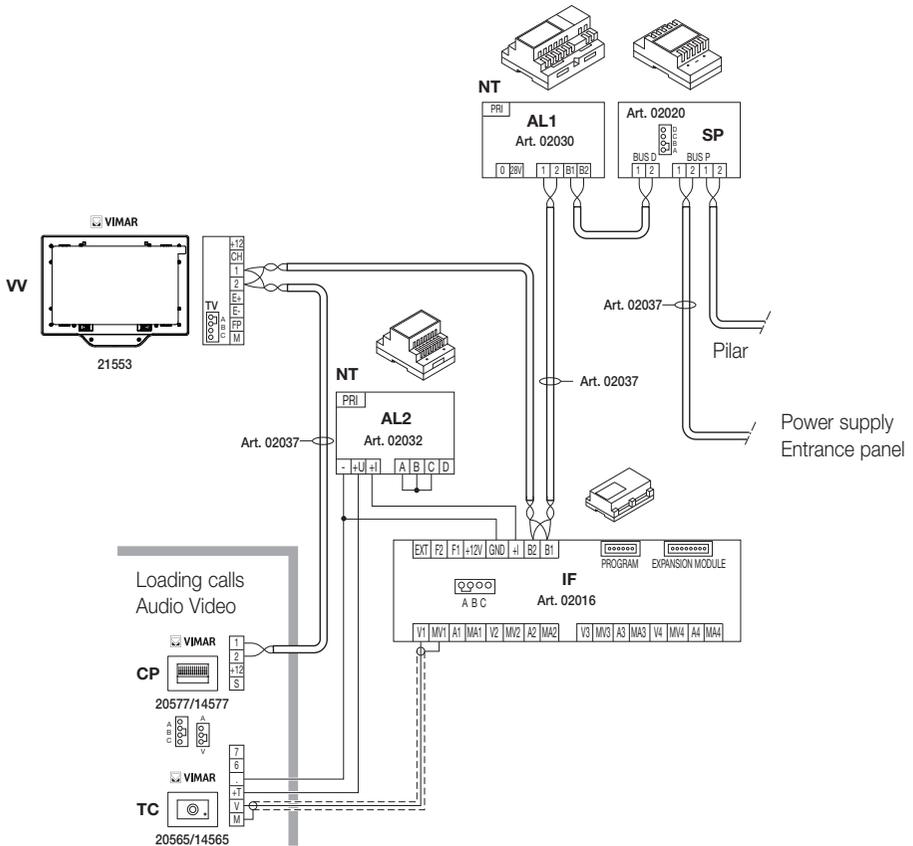


Figure 19 - Landing calls, audio/video

AL1- Power Supply Art. 02030

AL2- Power Supply Art. 02032

IF - Audio/video interface for video cameras Art. 02016

SP - Separator Art. 02020

CP - Landing call button Art. 20577/14577

TC - Video camera with microphone Art. 20565/14565

VV - Multimedia video touch screen 21553

NT - Network

For further details on the connections, see the technical documentation of the single articles (call button, video cameras, etc.) and the related diagrams given therein.

## Video door entry system

### Installation of supplementary external ringtones.

If it is necessary to transmit the call audible warning to different points of the system (large properties, etc.) or boost its intensity, it is possible to install external bell repeaters.

To do this, uses the terminals '+12' and 'CH' in the case of ringtones that need an external relay at 12 Vcc (for instance art. 02021) while, if the Elvox bell 860A powered by the mains is used, the terminals to wire are 'CH' and 'M'.

N.B.: It is necessary not to exceed the absorption of 100 mA from the output '+12' so as not to cause any malfunctioning of the video door entry unit.

Examples of installation:

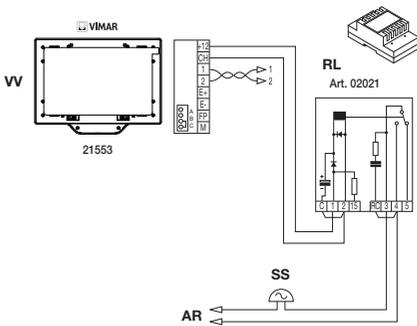


Figure 20 - External bell installation with relay

RL - Relay Art. 02021  
 SN - Elvox bell Art. 860A  
 AR - Bell power supply  
 NT - Network  
 SS - Additional ringtone  
 VV - Multimedia video touch screen 21553

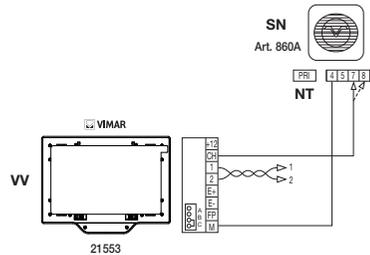


Figure 21 - Installation with Elvox

### Video door entry units with simultaneous video calls.

The need to install multiple video door entry units in parallel, with the simultaneous activation of the LCD monitors, has requirements tied to their consumption of current that must be limited so as not to exceed the permissible delivery of the main power supply 02030.

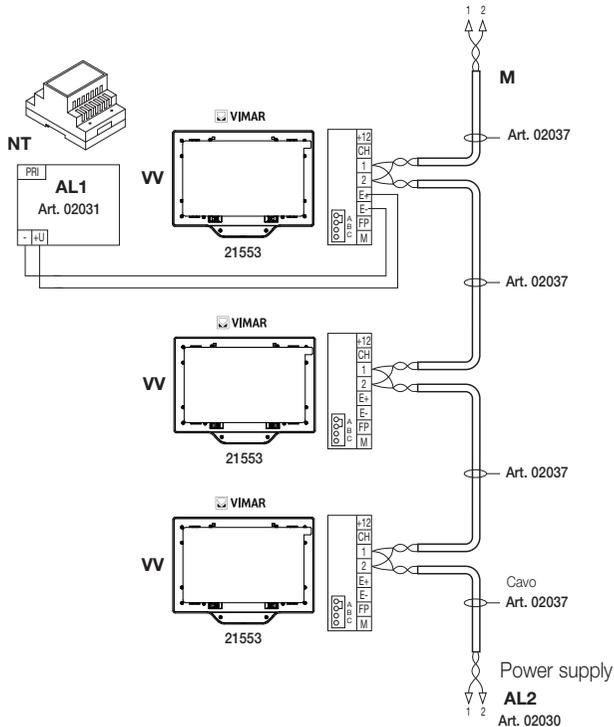
In the phase of configuration it is possible to set "call groups" (that are groups of video door entry units that at the same time answer the same call) in two different modes that can be set via advanced programming with PC and the USB 02024 interface with "EVCom" software (for the details see chapter "CONFIGURATION OF THE OPTIONAL FUNCTIONS OF THE VIDEO DOOR ENTRY UNIT"); these modes are:

1. Group call with only the master active at the call (so only the master video door entry unit is switched on).
2. Group call with all the group video door entry units active at the call (all the video door entry units are switched on).

## Video door entry system

**Note:** In the second mode of operation, it is necessary to set up an additional power supply 02031 for each added video door entry unit (after the first two) in a call group so as to guarantee the correct current absorption from the main power supply.

Example of installation:



AL1 - Power Supply Art. 02031  
 AL2 - Power Supply Art. 02030

M - Pillar  
 NT - Network  
 VV - Multimedia video touch screen 21553

Figure 22 - Video door entry units with simultaneous video calls

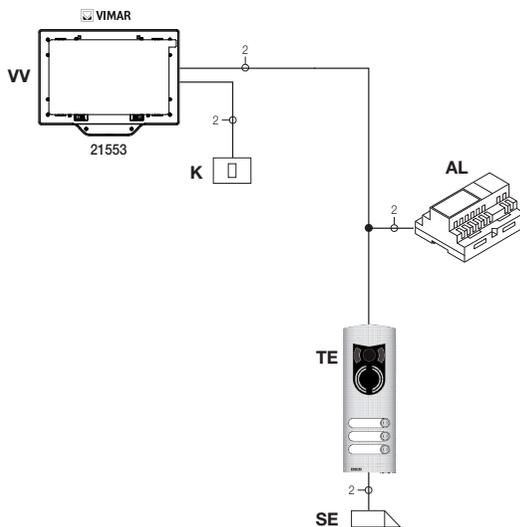
# Video door entry system

## Installation topology.

In practice there are different installation topologies for creating video door entry systems; the type of each system in fact depends on the structure of the property, the number of outdoor and indoor stations that is desired to be installed and the functions to be enabled.

The most recurrent diagrams are typically those where there is one or more outdoor calling stations and one or more indoor answering stations. These outlines then differ according to the functions and services required (connection of a number of video door entry units in parallel, bell repeaters, actuators for external services, etc.) for which it is necessary to introduce specific supplementary modules (supplementary power supplies, external relays, etc.).

Examples:



AL - Power Supply Art. 02030

TE - Video external entrance panel Art. 02003

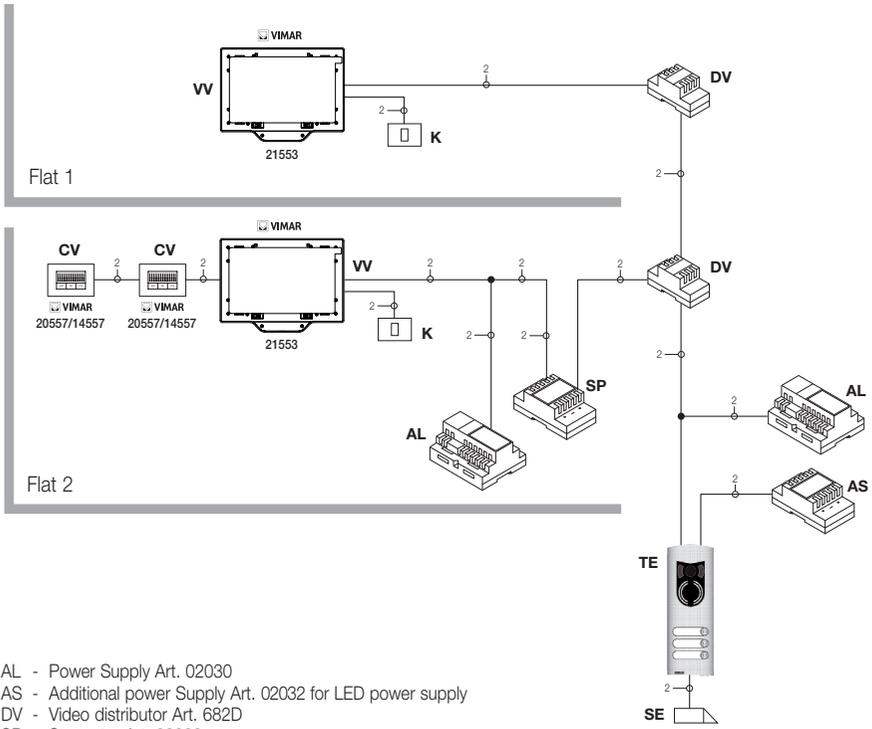
K - Landing call button

SE - Electric lock 12 Vdc

VV - Multimedia video touch screen 21553

Figure 23 - Video door entry system 2 indoor stations

## Video door entry system



AL - Power Supply Art. 02030  
 AS - Additional power Supply Art. 02032 for LED power supply  
 DV - Video distributor Art. 682D  
 SP - Separator Art. 02020  
 TE - Video external entrance panel Art. 02003

SE - Electric lock 12 Vdc  
 K - Landing call button  
 CV - Audio Door Entry Unit Art. 20557/14557  
 VW - Multimedia video touch screen 21553

**Figure 24 - Video door entry system multi-family**

In the above examples, there is a single main power supply (AL) in the systems that use the single outdoor station (TE); in the case in which, it is necessary to build a network of intercommunicating audio/video door entry units isolated from the main system, in the case in which there are several external sources of audio-video signal (outdoor stations with video camera and voice unit) or you want to create separated communication sectors or in the case of systems installed in a building complex, it is necessary to insert further supplementary modules such as:

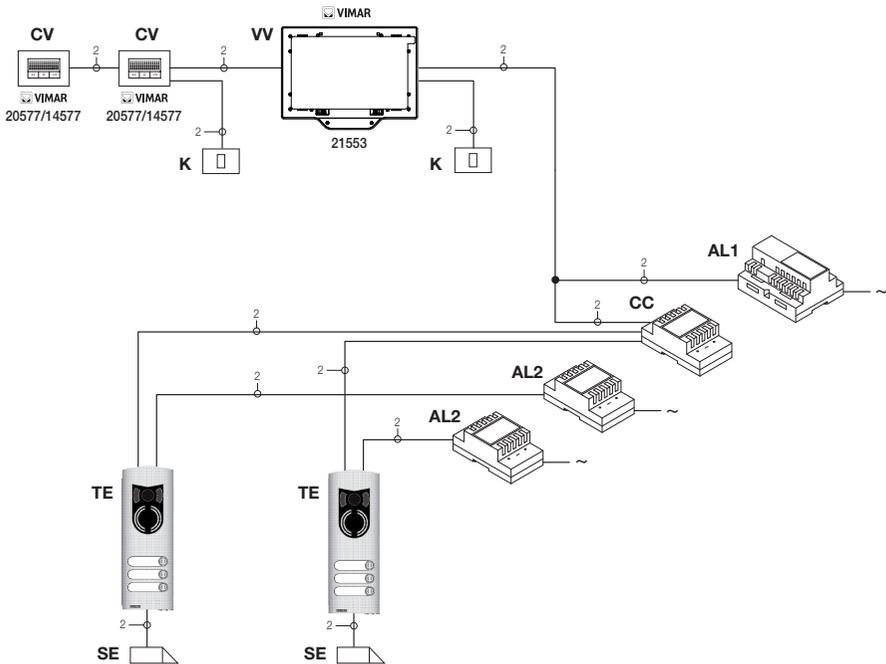
- concentrators (CC);
- additional power supplies (AL1 and AS);
- separators (SP).

## Video door entry system

In the system pillar there can be installed both Vimar and Elvox (VV, VE, CE) indoor stations, provided that these belong solely to the Two Wire system range.

For the technical details on the possible installation topologies both in the standard residential sector and in the building structure complex, see the examples given in the attached diagrams "INSTALLATION EXAMPLES AND DIAGRAMS" or the Two Wire technical diagrams.

Examples:



AL1 - Power Supply Art. 02030

AL2 - Power Supply Art. 02031

CC - Relay Art. 02019

TE - Video external entrance panel Art. 02003

K - Landing call button

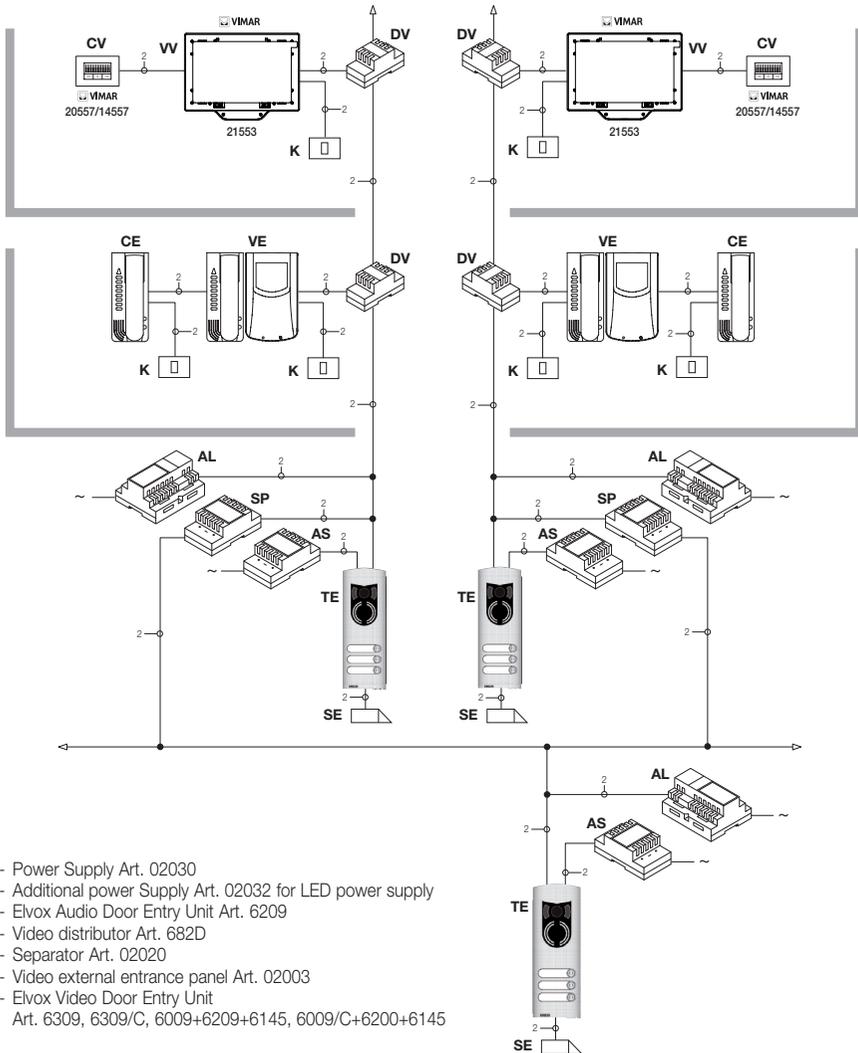
CV - Audio Door Entry Unit Art. 20557/14557

SE - Electric lock 12 Vdc

VV - Multimedia video touch screen 21553

Figure 25 - Video door entry system 2 outdoor stations

## Video door entry system



- AL - Power Supply Art. 02030
- AS - Additional power Supply Art. 02032 for LED power supply
- CE - Elvox Audio Door Entry Unit Art. 6209
- DV - Video distributor Art. 682D
- SP - Separator Art. 02020
- TE - Video external entrance panel Art. 02003
- VE - Elvox Video Door Entry Unit  
Art. 6309, 6309/C, 6009+6209+6145, 6009/C+6200+6145

- K - Landing call button
- SE - Electric lock 12 Vdc
- CV - Audio Door Entry Unit Art. 20557/14557
- VV - Multimedia video touch screen 21553

Figure 26 - Video door entry system in building complex

## Video door entry system

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### **Configuration of the video door entry unit.**

All the main standard functions of the video door entry unit seen in the chapter “FUNCTIONS OF THE VIDEO DOOR ENTRY UNIT” are configured with the buttons on the front of the device (see fig. 6); for the advanced programming of the video door entry unit (optional functions such as setting groups, association of buttons with specific commands, configuration of the intercom calls, association with the landing audio/video call buttons, etc.) it is necessary to use the PC and the USB 02024 interface and the “EVCom” software.

### ***Configuration of the standard functions of the video door entry unit.***

Configuration of the standard functions of the video door entry unit enables satisfying the application requirements of most of the systems that are installed. According to the state of operation of the monitor (ON or OFF) it is possible to set and program different functions that are as follows.

#### ***Enabling the self-start function.***

To use this function it is necessary to configure the panel so that it is enabled to receive the self-start command (see the panel parameters in the Two Wire documentation - parameter enabled by default). WITH THE MONITOR ON, sending the self-start command allows sequential viewing of the images sent from the video cameras of the video panels present besides the main one (it is necessary to set the self-start sequence on the MASTER panel with the PC and the USB 02024 interface with “EVCom” software).

#### ***Enabling the “User Away” function.***

This type of function allows the user, via the external panel, to signal his own absence to the guard room consumer unit (if applicable); it can moreover be used also in the case in which the user is at home but doesn't want to be disturbed. When the function is enabled the video door entry unit that receives the call doesn't emit any audible warning and it doesn't turn on the monitor.

### ***Audio/video communication for landing calls.***

If there is the need to install one or more indoor audio/video call stations (“landing call”), there are two different types:

- landing calls, “audio only”;
- landing calls, “audio/video”.

According to the chosen type, the installation of modules and auxiliary accessories is necessary.

#### ***Landing calls, audio only.***

If there is a speech unit on the landing with only the audio function (art. 20577 or 14577), the video door entry unit must be configured for being able to receive the audio communication from the landing call button.

To associate the landing call button with the video door entry unit carry out the following procedure:

1. Code the landing call button (see the instructions sheet of art. 20577 or 14577)
2. Associate the video door entry unit/audio door entry unit with the landing call button 20577/14577 using the PC and the USB 02024 interface with “EVCom” software (see the chapter “CONFIGURATION OF THE OPTIONAL FUNCTIONS OF THE VIDEO ENTRYPHONE” - Association of the landing calls) of this manual.

NOTE: To associate the video/audio door entry unit with the landing call solely of the audio type it is necessary to keep the call type selection jumper (set on the removable terminal side of 20577/14577) in position “A.”

## Video door entry system

### Landing calls, audio/video.

If there is a speech unit on the landing with the audio/video function (art. 20577/14577 with 20560/14560 or 20565/14565), the video door entry unit must be configured for being able to receive the audio communication from the call button 20577/14577 and activation of the video camera from the landing.

**To activate the video camera on the landing it is necessary to install the audio/video interface for video cameras art. 02016.**

To associate the landing call button with the video door entry unit carry out the following procedure:

1. Code the landing call button (see the instructions sheet of art. 20577 or 14577)
2. Associate the video door entry unit/audio door entry unit with the landing call button 20577/14577 using the PC and the USB 02024 interface with “EVCCom” software (see the chapter “CONFIGURATION OF THE OPTIONAL FUNCTIONS OF THE VIDEO ENTRYPHONE” - Association of the landing calls) of this manual.

NOTE: To associate the video/audio door entry unit with the landing call of the audio/video type it is necessary to keep the call type selection jumper (set on the removable terminal side of 20577/14577) in position “V”.

**IMPORTANT: The video/audio door entry unit can be associated with up to a maximum of 4 different landing call buttons;** the identification code of the call button belongs to the class of the monitors (numerical code from 1 to 200).

The local lock activation time (the default setting is equal to 1 s) can be modified only with the PC and the serial USB 02024 interface and the “EVCCom” software (selection interval from 0 to 250 s).

Vice versa, the response time (30 s), conversation time (300 s) and self-start time (30 s) are fixed and are not modifiable.

Examples of different types of landing call:

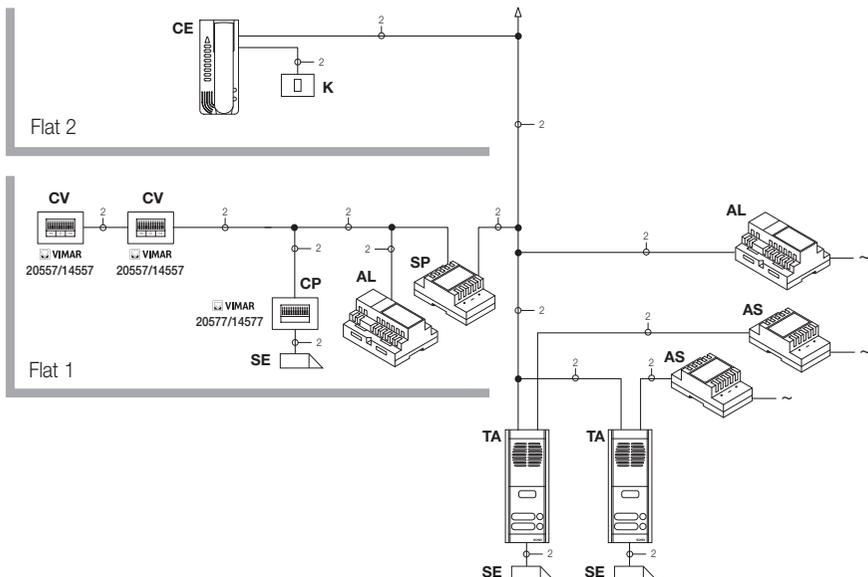


Figure 27 - Landing calls, audio only

## Video door entry system

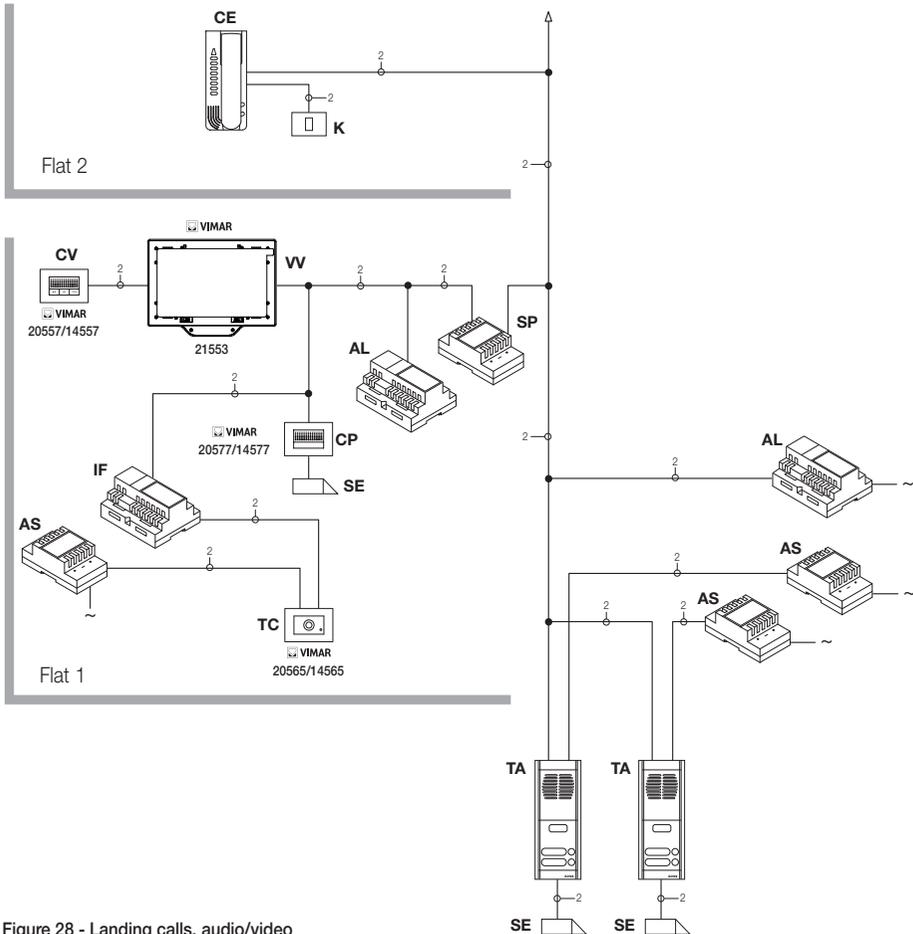


Figure 28 - Landing calls, audio/video

AL - Power Supply Art. 02030  
 AS - Additional power Supply Art. 02032  
 CE - Audio Door Entry Unit Art. 6209  
 SP - Separator Art. 02020  
 TA - Audio external entrance panel Art. 89F3/..., 89F4  
 IF - Audio/video interface for video cameras Art. 02016

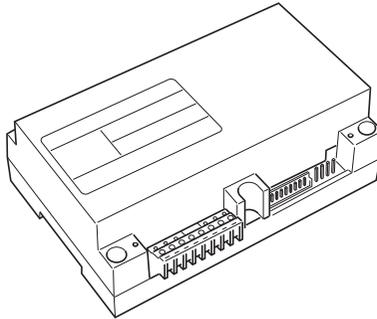
CP - Landing call button Art. 20577/14577  
 K - Landing call button  
 CV - Audio Door Entry Unit Art. 20557/14557  
 SE - Electric lock 12 Vdc  
 TC - Video Camera Art. 20560/20565  
 VV - Video Door Entry Unit Art. 20550 + 01963

## Video door entry system

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### Audio/video interface for video cameras.

The audio/video interface for video cameras art. 02016 is a DIN bar 8-module device necessary to make both the audio/video landing call and self-start any additional video cameras installed in the system with “CCTV function.” The device is able to manage 4 video cameras directly with the related audio inputs (video cameras 20565 and 14565) and up to a maximum of 16 video cameras with related audio inputs using special expansion modules with 4 inputs art. 02017.



The interface can be identified in the same way as a SLAVE panel, with a numerical code between 2 and 15 and different from that of any other panels present in the system; alternatively it can be used without numerical identification associating it with the landing call.

If it is identified as a SLAVE panel it is possible to self-start sequentially viewing the video cameras connected directly or through expansion modules (maximum 16 video cameras).

Whereas if the interface is not identified but only associated with the landing call button 20577 or 14577, the video cameras corresponding to the calls sent from the landing buttons (maximum 4 landing calls with the related video camera) can be turned on and self-start is also possible on the various video cameras connected to the interface making a fictitious intercom call toward the call button.

### APPLICATIONS:

#### 1. Using the interface 02016 for additional video cameras (“CCTV” function).

If it is wished to use the audio/video interface for video cameras 02016 for controlling the self-start of additional video cameras in the system (with any audio signal and up to a maximum of 16 video cameras using the special expansion modules art. 02017), it is necessary to code the interface 02016 only with PC and USB 02024 interface and the “EVCom” software assigning an identification code between 2 and 15 (numbering dedicated to the SLAVE panels) different to that of the other panels in the system (for greater details see the technical documentation for art. 02016).



## Video door entry system

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### 2. Use of the interface 02016 for audio/video landing calls.

If there is a landing audio/video speech unit (push-button 20577/14577 and video cameras 20560, 20565, 14560, 14565), the audio/video interface can be used instead without numerical coding of the secondary panel as instead was necessary in the preceding case (in this way an ID reserved for the class of panels is not pointlessly occupied).

**WARNING: The association between landing call button (20577 or 14577) and the video/audio door entry unit to be called can be done via advanced programming as the association of the video camera with the audio/video interface for video cameras (02016); then it is necessary to use the PC and the USB 02024 interface with “EVCom” software (see the related technical documentation).**

On sending the audio/video call by pressing the landing nameplate button (art. 20577 or 14577), the interface will enable the video camera associated with it.

With this type of configuration it is possible to connect up to 4 video cameras for the 4 possible landing call buttons.

#### **NOTE:**

It is possible to self-start the video camera associated with the landing call button (and if necessary in sequence on the following ones) by sending an intercom call toward the latter; it is therefore necessary to configure the video door entry unit so it can send this command (see the chapter “PUSH-BUTTON CONFIGURATION - Intercom calls”).

Repeatedly sending the command allows “scrolling” through all the video cameras connected to the video interface 02016.

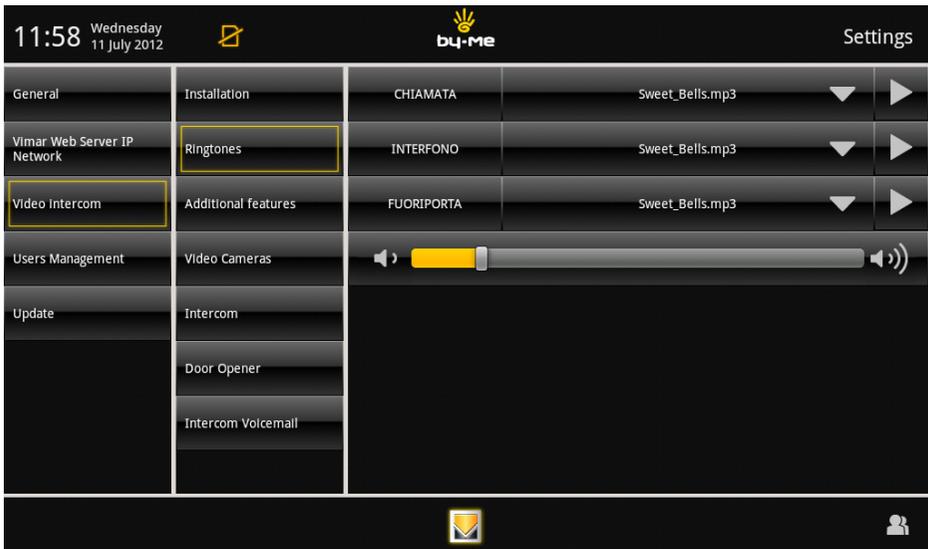
## Video door entry system

### Ringtone type selection.

Using the multimedia video touch screen it is possible to select the types of ringtone to combine with the different calls that it can receive:

- call from panel (video door entry unit);
- call from landing (audio door entry unit);
- intercom call (Interphone).

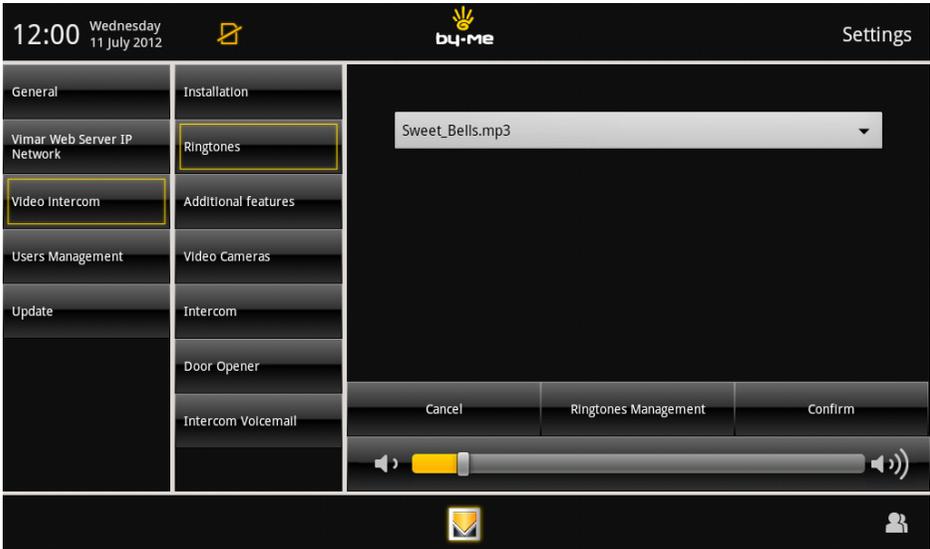
In the main window touch the **Video Intercom** icon and subsequently the **Ringtones** icon.



The ringtone must be set by selecting the one you want from a predefined list of ringtones; alternatively to these it is possible to upload mp3 files.

- Touch the **Video Intercom** icon to set the ringtone associated with the call from the panel.
- Touch the  icon to see the list of default ringtones and touch the one you want.

## Video door entry system



- Touch the **Confirm** icon to confirm the selection made.
- Touch the **Citofonia** icon to set **the ringtone associated with the call from the landing**.
- Touch the  icon to see the list of default ringtones and touch the one you want.
- Touch the **Confirm** icon to confirm the selection made.
- Touch the **Intercom** icon to set **the ringtone associated with the intercom call**.
- Touch the  icon to see the list of default ringtones and touch the one you want.
- Touch the **Confirm** icon to confirm the selection made.

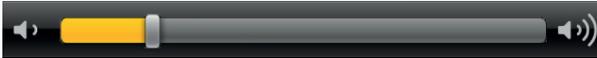
If you want to associate an mp3 file (previously uploaded to the multimedia video touch screen via the USB or SHDC port) with the ringtone, it is sufficient to touch the **Load MP3** icon and select the desired file.

## Video door entry system

### Ringtone volume adjustment.

The volumes of the ringtones described above are unmistakably adjusted in a similar manner for all the types of call (from external panel, landing or intercom).

Touch the cursor of the scroll bar and move it to the left or to the right according to the desired volume (the level is highlighted by the illumination of the bar).



### Associating the secondary functions.

This window defines the buttons you can associate with the functions F1, F2, AUX1, ...AUX16.

- In the main window touch the **Video Intercom** icon and then the **Additional features** icon.
- View the list of functions.



For each button it is necessary to set:

1. associated function (F1....AUX16);
2. parameter;
3. wording associated with the button (for example what is controlled);
4. icon associated with the button.

- Touch the **Confirm** icon to confirm the selection made.

## Video door entry system



Each button will activate the relevant command.

The position of one button in relation to the others depends only on where it is located in the creation list; this position can be changed by means of the ▼ and ▲ icons.

Finally, the ✕ icon enables deleting the corresponding button.

## Video door entry system

### Video Cameras.

With this option you define the activation mode for the video cameras installed in the system and the buttons for direct access to the video cameras.

- In the main window touch the **Video Intercom** icon and then the **Video Cameras** icon.
- View the list of video cameras.



For each button it is necessary to set:

1. ID of the panel (MASTER panel, panel 2 ... 15);
2. video camera index (1 ... 16);
3. text associated with the button (for example the room where the video camera is installed);
4. icon associated with the button.

- Touch the **Confirm** icon to confirm the selection made.

## Video door entry system



Each button will activate the relevant video camera.

The position of one button in relation to the others depends only on where it is located in the creation list; this position can be changed by means of the ▼ and ▲ icons.

Finally, the ✕ icon enables deleting the corresponding button.

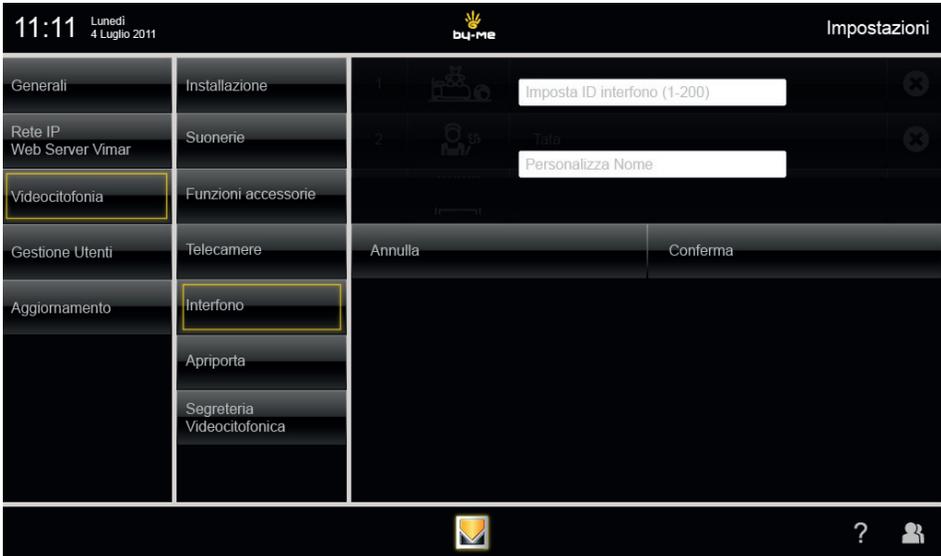
## Video door entry system

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### Intercommunications.

With this option you defined the buttons for making the intercom calls and talking with the speaker.

- In the main window touch the **Video Intercom** icon and then the **Intercom** icon.



For each button it is necessary to set:

1. recipient of the call (ID: 1..200);
2. text associated with the button (for example the room where the indoor station is installed);
3. icon associated with the button.

- Touch the **Confirm** icon to confirm the selection made.

## Video door entry system



Each button will activate the relevant intercom call and the communication between the speakers.

The position of one button in relation to the others depends only on where it is located in the creation list; this position can be changed by means of the  and  icons.

Finally, the  icon enables deleting the corresponding button.

## Video door entry system

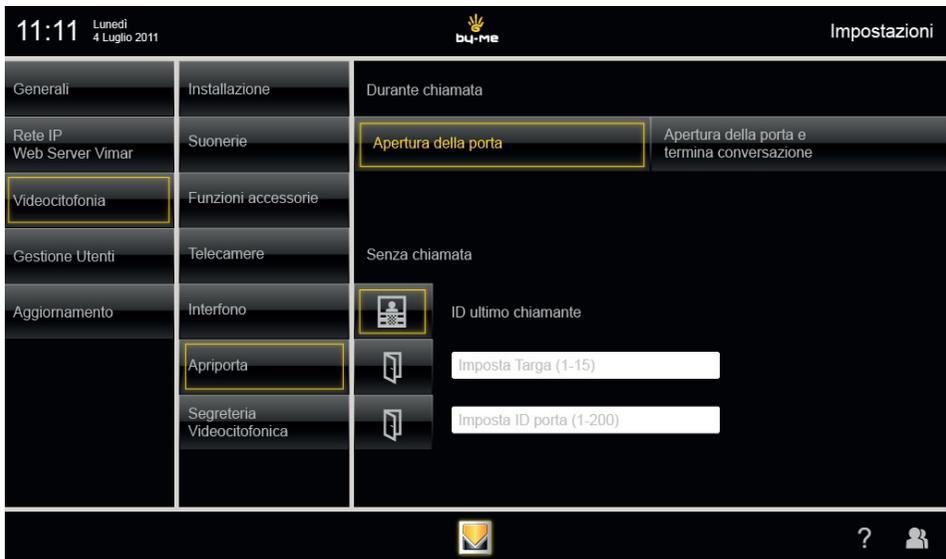
### Door Opening.

With this option you define the behaviour of the door opening button (icon ).

During a call, the lock associated with this icon is always the one related to the indoor station from which the call is being made.

When there is no call in progress it is possible to select the behaviour of the button by setting one of the following options:

1. The associated lock is that of the last call received (default behaviour).
  2. The associated lock is the one defined in the phase of configuration.  
In this section it must therefore be possible to enable option 2 and specify the associated ID (panel1, ..., panel15, 1, ..., 200).
- In the main window touch the **Video Intercom** icon and then the **Door Opener** icon.



Setting the operation of the  icon with a call in progress:

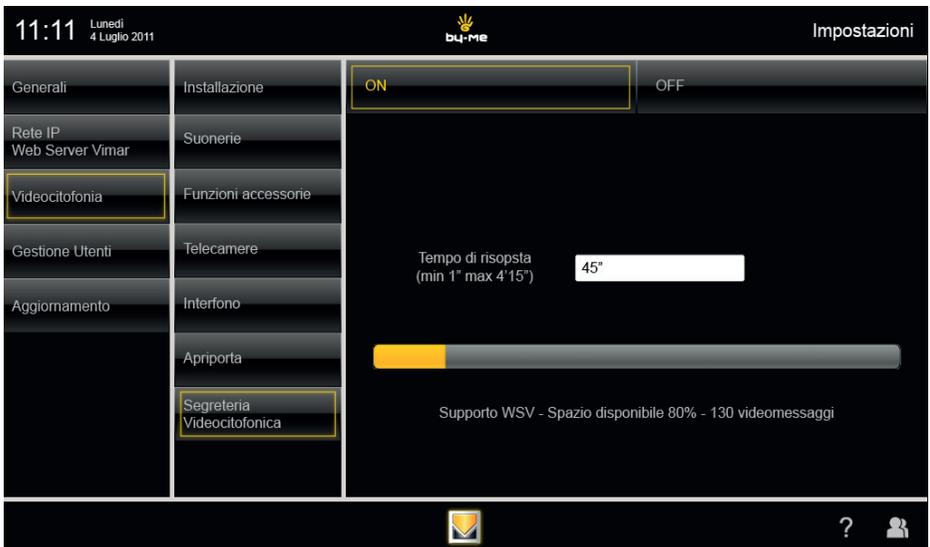
1. door opening (default);
2. door opening and ending the call.

## Video door entry system

### Video door entry system answering machine.

With this option you define the timeout at the end of which the video door entry system answering machine starts recording images and sound.

- In the main window touch the **Video Intercom** icon and then the **Intercom Voicemail** icon.



Set the answer time by entering a value in the shown range.

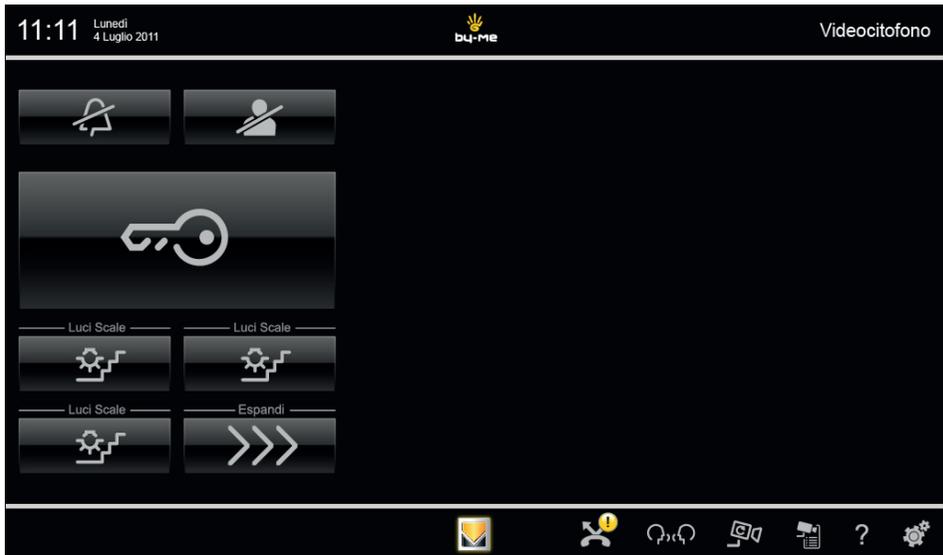
Video door entry system recording is set as follows:

- timeout starts with the call request;
- at the end of the timeout, if the user has not answered, the video door entry system answering machine function is started.

## Video door entry system

### Video door entry unit with no active calls.

If there are no active calls the video touch screen will show a window more or less similar to the one below.



- Touching the  icon disables the internal ringtone and on the right of the title bar the "ringtone disabled" icon is displayed.
- Touching the  icon disables the "User absent" function and on the right of the title bar the "User absent" icon is displayed.

Finally, at bottom right there are the following icons:

-  to view the icons associated with the intercom calls configured in the system.
-  to cyclically view the images transmitted from the video cameras (each touch changes video camera).
-  to view a list of configured video cameras.

## Video door entry system

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### Icon signaling the title bar.

Next to the title bar can be found on the right, up to three icons of signal:

- "Ringtone disabled"
- "User Away";
- "Open door".

### Configuration of the functions associated with icons (INTERCOM CALLS).

The icons on the multimedia video touch screen can be configured for sending different specific commands on the bus. They can be configured, for instance, for sending FUNCTION F1/F2 commands, the self-start command on a specific panel, the command for making an intercom call, etc...

For example:

- 1. Set the push-button for intercom calls:** on the audio/video door entry unit that you want to call, press any button (except the hands-free answer button - preferably the LOCK or AUXILIARY SERVICE button) to send the code of the called device to the calling video door entry unit. The video door entry unit responds to programming with an audible warning.
- 2. Set the button for sending the FUNCTION F1(F2):** using a device that is able to do it (for instance audio/video door entry units already configured, panels, USB 02024 interface for PC "EVCom" software), send the FUNCTION F1(F2) command on the bus. The video door entry unit responds to programming with an audible warning.
- 3. Set the button as self-start on a specific panel:** from the panel on which you want the self-start with the button being configured, send a call with the button corresponding to the video door entry unit; this responds to programming with an audible warning.
- 4. Other functions:** they can be programmed entirely in a similar way to the preceding ones.

## Video door entry system

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### Setting the flags.

The flags are options that can be turned on/off and affect the behaviour of the video door entry unit; access to the configuration of the flags is made exclusively with the USB 02024 interface for PC “EVCom” software.

The flags that can be set are given in the following table:

Centralino	Enables control via the consumer unit
G3 solo Est.	Enables Group 3 only for external calls from panel
G4 solo Int.	Enables Group 4 only for intercom calls
Non RIPCH IC	Disables call repetition for the intercom
G1 solo Est.	Enables Group 1 only for external calls from panel
G2 solo Int.	Enables Group 2 only for intercom calls
Grp. Escl. S.	If on “User Away,” the secondary ones ring all the same
I.C. Illim.	Unlimited duration of intercom conversations

### Setting the group calls.

Besides directly setting the secondary identification code (see the chapter “SECONDARY NUMERICAL CODING OF THE VIDEO DOOR ENTRY UNIT” of this manual) that enables inserting the video door entry unit in a group of devices (audio/video door entry units) that at the same time receive a call, this association can also be made via advanced programming with USB 02024 interface for PC “EVCom” software. There are four possible different groups (G1, G2, G3 and G4); each device can be associated with the single group by indicating (in the specific field that can be filled in with the aforesaid instruments for advanced programming) the identification code of the master.

### Associating landing calls.

Via advanced programming with the USB 02024 interface per PC and “EVCom” software, it is possible (in the specific field that can be filled in with the above-mentioned instruments for advanced programming) to set the landing call buttons from which the video door entry unit is able to receive a call.

Each video door entry unit can receive calls up to a maximum of 4 different landing call buttons.

## Video door entry system

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### 3.3.1 CONFIGURATION RESET.

This procedure is recommended if you want to modify the ID of a video door entry unit previously programmed and without keeping the programming for operation of the device.

- In the main window touch the **Video Intercom** icon and subsequently the **Installation** icon.
- Finally touch the **Ripristino impostazioni di fabbrica** icon to reset the video door entry unit.

### Programming the Two Wire.

**WARNING!** The following operations must be carried out after powering up the system and before programming the audio door entry units and video door entry units.

In the same system there must be only one **MASTER** panel (identification code 1) while any secondary panels must be set as **SLAVES** (see the technical documentation related to the particular panel used).

Do the programming of the panels powering only one panel at a time; the master panel must always be programmed last.

The configuration of the panel parameters can be done in three different ways:

- Directly from the panel itself using the alphanumeric keyboard or with single buttons.
- With PC and USB 02024 interface and “ECom” software.

This section will illustrate solely the method of programming with the alphanumeric keypad on the front of the Two Wire panel; for configuration with the PC see the related technical documentation.

To access the panel configuration menu carry out the following operations:

- Press buttons **R** and **4** at the same time.
- Enter the password to access programming; key in “654321” for the first configuration (default password set by the factory that must then be modified by the installer).
- Press the button **Δ** to confirm.

Once in programming mode, use the and push-buttons **^**, **v** and **R** to select the parameters, the push-button **Δ** to confirm changes, and the push-button **\*** to confirm changes.

At this stage it is possible to scroll through the list of all the panel parameters and the related set values; for each of these it is possible to enter a value that identifies the parameter and the related configuration.

The set values must be within a certain range (maximum value - minimum value) according to the parameters table attached to the technical documentation of the panel (see, for instance, the table of “TECHNICAL PARAMETERS OF THE PANEL” illustrated on the following pages).

For the configuration of the Two Wire panels without the alphanumeric keypad, see the related technical documentation.

## Video door entry system

### Example of technical parameters of panel.

Message language	English
Panel ID	1
Coding digit number	Sequential
Lock code	No association
Push-button preferential code	No association
Push-button preferential code	No association
Lock codes	No association
F1 codes	No association
F2 codes	No association
Device numbering	No association
Search the entire agenda	No
Device names	No association
Programming password	654321
Answer time	30 sec.
Conversation time	120 sec.
Self-start time	10 sec.
Lock time	1 sec.
F1 time	1 sec.
F2 time	1 sec.
External volume	15
Internal volume	3
Lock block	Off
Enable / disable	No association

Panel ringtone repeat	Enabled
Monitor/audio door entry unit ringtone cycles	2
Common locks	No association
F1 common	No association
F2 common	No association
Self-start disable	No
Clock	01/01/05 00:00
Timed code enabling	No
First timed code	No association
Last timed code	No association
Code validity time bands	No association
Self-start sequence (Master entrance panel only)	No association
Monitor/audio door entry units configuration Monitor/audio door entry units function button assignment Intercommunicating Self-start Auxiliary services F1 function assignment F2 function assignment F1 function specific F1 function specific No intercommunicating call ringtone No ringtone for calls from panels	

### Integration of the video door entry unit with the By-me.

The multimedia video touch screen permits managing the By-me home automation system (control of the electrical system, burglar alarm, temperature control, load control, automations, etc.) via the video door entry unit that basically becomes a real control panel.

The appliance will be in home automation mode and will switch onto video door entry mode every time there is an external call or when the user activates it via the navigation menus on the By-me home automation side.

# Video door entry system

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## Glossary.

### **Entrance panel.**

Set of audio and video devices that allow identifying the party asking to enter the dwelling via the outdoor station.

### **Indoor station.**

Single video door entry or only audio door entry device that enables identifying the person at the speech unit that made the call. Generally the indoor station, besides communicating with the external panel, allows carrying out other operations such as opening lock, lighting stairs, etc.

### **Speech unit.**

Generic term used to indicate the entrance panel or landing panel.

### **Pillar.**

Term used to indicate the set of wirings connecting the indoor stations with the power supply.

### **Power supply.**

Device that incorporates the drives for lock opening, the call generators and the necessary power supply both to the pillar and to the panel.

### **Landing panel.**

Set of audio and video devices that allow making a call to the indoor station(s) and identifying the party making the call. It is generally installed for making calls from zones inside the building (landing, secondary entrances, etc.).

### **Self-start.**

Optional function that allows audio and video communication between the indoor station and entrance panel or indoor station and landing panel, without a call coming (from the entrance panel or landing panel respectively).

### **Intercom.**

Optional function that permits audio communication between two indoor stations.

### **Bus.**

Physical connection permitting the transit of the electrical signals necessary for the operation of the system; generally, both analogue (audio and video) and digital (commands) electrical signals can transit on the Bus and also the power supply for the devices.

### **Identification code (ID).**

Numerical code that univocally identifies the single device within the system. It is the name (in numerical format) of the device.

### **Master.**

Main object that manages the system. Typically we talk about the "Master Panel" that refers to the main panel (that must be unique in the whole system) always identified with ID equal to 1.

### **Slave.**

Secondary object in relation to the master; in general it is managed by the master. If we talk about "Slave Panel" the secondary panels of the system are identified with an ID other than 1.

### **Basic programming.**

Programming the main functions of a device. Generally, this programming can be done without the aid of additional instruments such as programmers or PCs.

### **Advanced programming.**

Programming the optional functions of a device. Generally, this programming is done with the aid of additional instruments such as programmers or PCs equipped with dedicated software.

## User Management

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### 3.4 User Management.

This menu is used to make the settings that enable differentiating the use of the multimedia video touch screen according to the type of user.

Touching the  icon brings up the screen that enables creating different types of user with which different privileges are associated.

**Creating users and assigning privileges can be done only by the Administrator.**

Touching the  icon brings up the screen that enables creating new users and editing ones already configured.

Before displaying the screen for user management, the multimedia video touch screen requests authentication by the administrator by entering name and password.

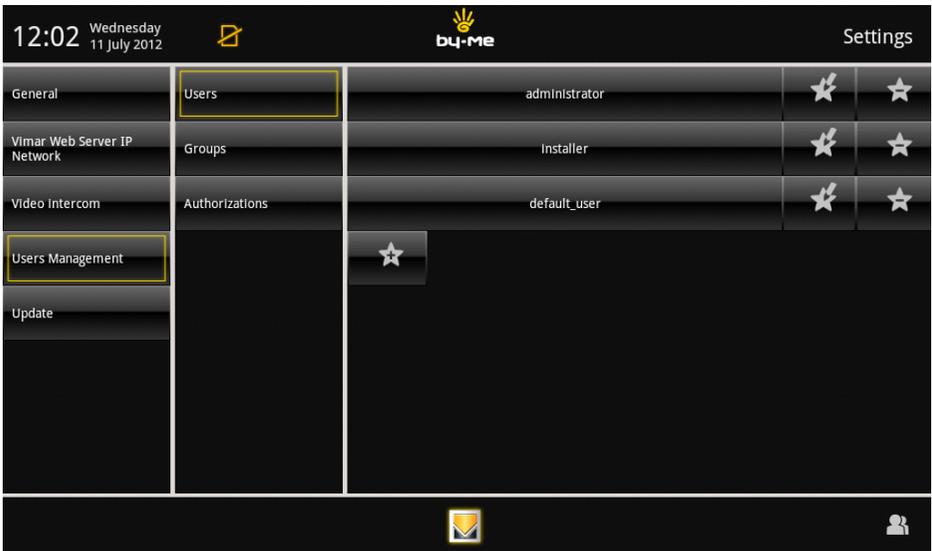
The default passwords, namely the ones to use when first switching on (that will then be subsequently able to be changed), are the following:

- Administrator password: **admin**
- Installer password: **inst**

When creating a new user, the password that by default is assigned to this user is the name of the user. For **example**: a user called Mario is created; the password assigned by default will be Mario.

Touching the  icon confirms the entered password.

# User Management



Touching:

-  changes the settings for already configured users;
-  deletes the selected user;
-  adds a new user.

Touching the  icon displays the **Settings** menu.

Touching the  icon displays the screen that enables managing the three types of user:

- Administrator;
- Installer;
- User.

The table shown on the page alongside illustrates the three types of user and the functions associated with them; in the phase of creating users then, it will suffice to link to each one of these the privileges that you want to assign.

## User Management

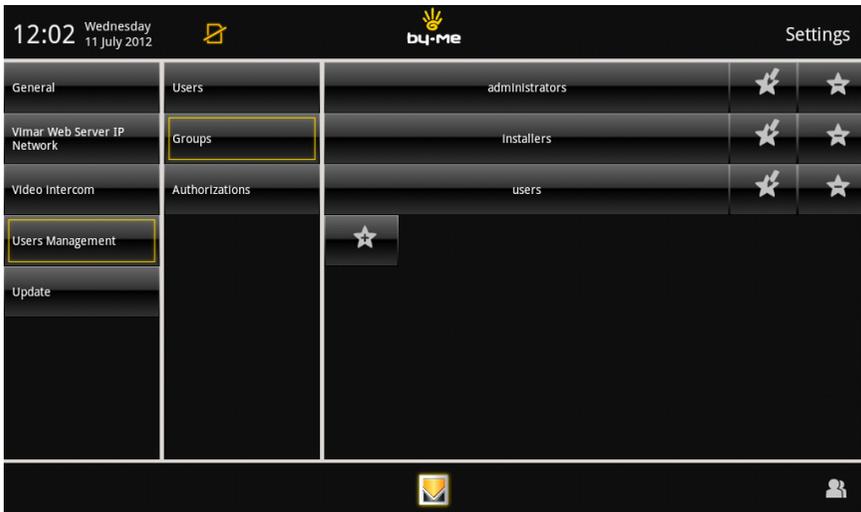
MENU	ADMINISTRATOR	INSTALLER	STANDARD USER
<b>GENERAL</b>	✓	✓	✓
System info	✓	✓	✓
Reserved System info	✓		
Date and Time	✓		
Language and Unit of Measurement	✓		
Energy Saving	✓		
Line Out		✓	
Save-Restore Configuration		✓	
<b>VIMAR WEB SERVER IP NETWORK</b>		✓	
IP Network Parameters configuration		✓	
Vimar Web Server configuration		✓	
<b>VIDEO DOOR ENTRY</b>	✓	✓	
Installation		✓	
Ringtones	✓	✓	
Accessory Functions		✓	
video cameras		✓	
Intercom		✓	
Door Opening		✓	
Video door entry system answering machine		✓	
<b>USER MANAGEMENT</b>	✓		
Users	✓		
Groups	✓		
Permissions	✓		
<b>UPDATING</b>		✓	
Operating System		✓	
Applications		✓	

## User Management

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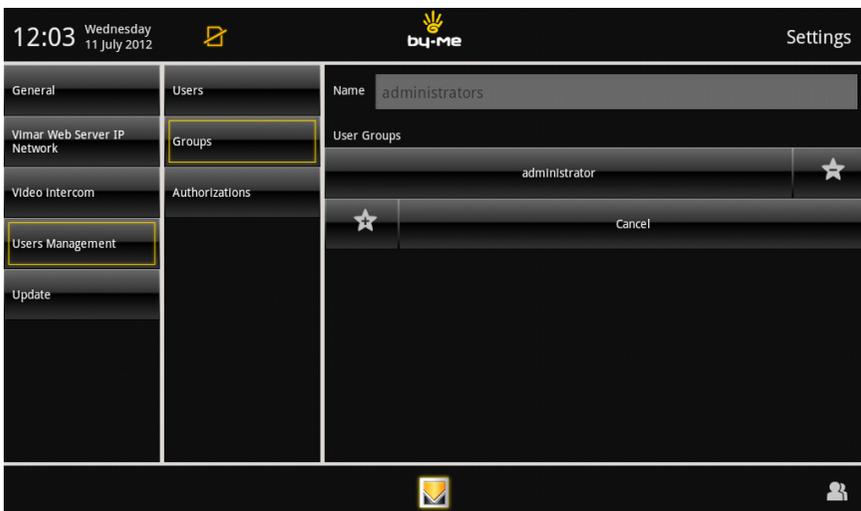
MENU	ADMINISTRATOR	INSTALLER	STANDARD USER
<b>PERMISSION MANAGEMENT (DEFAULT)</b>	(not modifiable)	✓	✓
Access to Home Automation System Application	(not modifiable)	✓	✓
Access to Photo-Video Application	(not modifiable)	✓	✓
Access to Music Application	(not modifiable)	✓	✓
Access to Web Radio Application	(not modifiable)	✓	✓
Access to Calendar Application	(not modifiable)	✓	✓
Access to Blackboard Application	(not modifiable)	✓	✓
Access to Weather Application	(not modifiable)	✓	✓
Access to News Application	(not modifiable)	✓	✓
Access to Feed Reader Application	(not modifiable)	✓	✓
Added and change Blackboard messages	(not modifiable)	✓	
Added and change Feed	(not modifiable)	✓	
Added and change News	(not modifiable)	✓	
Added and change Weather location	(not modifiable)	✓	
Video camera self-start	(not modifiable)	✓	
Display missed calls	(not modifiable)	✓	

# User Management



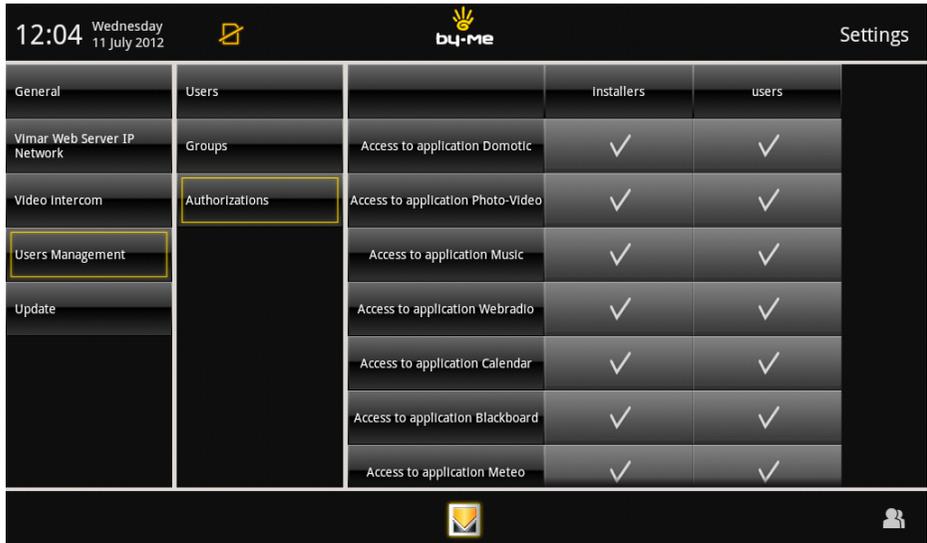
Touching:

-  changes the settings for already configured groups;
-  deletes the selected group;
-  adds a new group.



## User Management

Touching the  icon shows the screen that enables assigning users with the menus and applications they can access.



General	Users		Installers	users
Vimar Web Server IP Network	Groups	Access to application Domotic	✓	✓
Video Intercom	Authorizations	Access to application Photo-Video	✓	✓
Users Management		Access to application Music	✓	✓
Update		Access to application Webradio	✓	✓
		Access to application Calendar	✓	✓
		Access to application Blackboard	✓	✓
		Access to application Meteo	✓	✓

Touching the  icon for the user and the desired application enables this user to utilize the selected function.

# User Management

12:04 Wednesday  
11 July 2012
Settings



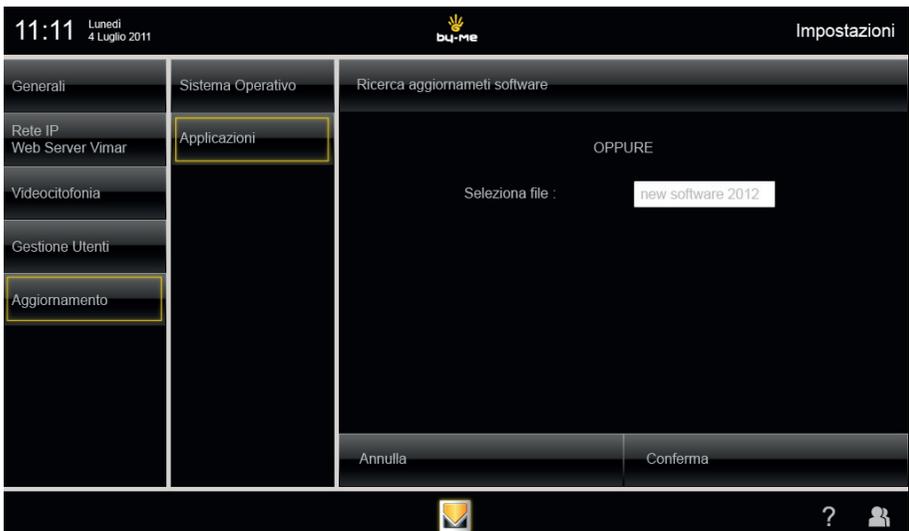
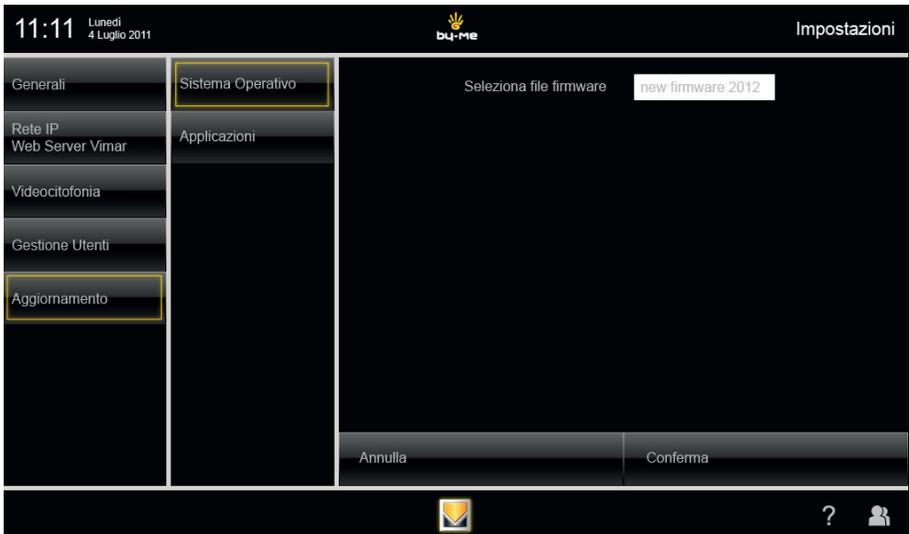
General	Users		Installers	users
Vimar Web Server IP Network	Groups	Access to application Domotic	✓	✓
Video Intercom	Authorizations	Access to application Photo-Video	✓	✓
<b>Users Management</b>		Access to application Music	✓	✓
Update		Access to application Webradio	✓	✓
		Access to application Calendar	✓	✓
		Access to application Blackboard	✓	✓
		Access to application Meteo	✓	✓




# Update

## 3.5 UPDATE.

Touching the  icon displays the options that enable updating the multimedia video touch screen.



## Update - Installation rules - Regulatory compliance

---

Touching the **Sistema Operativo** or **Applicazioni** icon displays the screens that enable downloading the firmware of the operating system and of the applications used by the multimedia video touch screen.

After selecting the firmware to download shown in the pop-up window, touch **Conferma** to confirm the update.

## Installing applications from Market Vimar Group

### 3.6 PROCEDURE FOR INSTALLING APPLICATIONS FROM MARKET VIMAR GROUP

The applications available in the "Market Vimar Group" are not pre-installed in the video touch screen multimedia and are dedicated to special integration with other devices (e.g., Elvox DVR) that need to be configured by specialized personnel.

When necessary, the installer must therefore perform the processes of activation, download and installation of the single application so that it can be used by the end user.

The following procedure describes how to carry out these operations by taking the **Secuviewer** application as an example of reference to control the Elvox (Vimar Group) DVR and Elvox (Vimar Group) PTZ-type cameras.

- Starting from the main menu (with no "Secuviewer" icon) tap the  icon and log in as *Installer*.

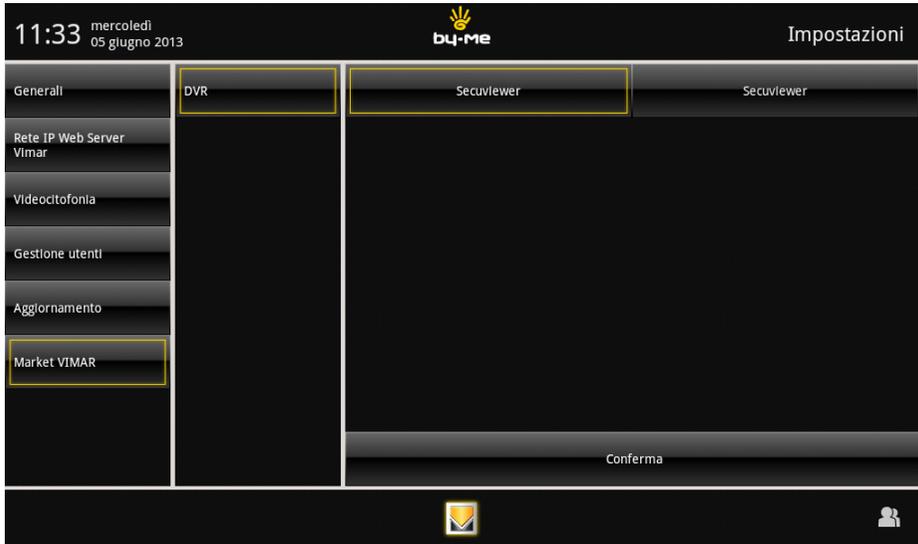


In the left column, as the last option, you will see the  icon.

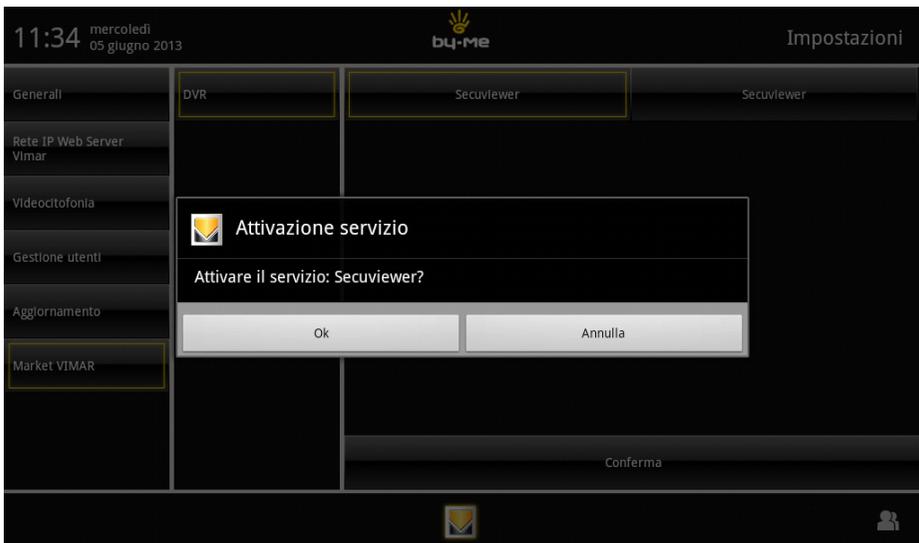
**N.B.** If the icon does not appear when you first log in, simply search for updates by tapping  .

- Tapping the  icon displays a second column with the categories of available applications (in this case DVR), while the area on the right will list the various applications that can be activated for the selected category (in this case Secuviewer).

## Installing applications from Market Vimar Group



- Tapping the icon with the name of the application chosen for activation (in this case **Secuviewer**) and then the **Conferma** icon displays a pop-up with which you can proceed with your request for activation or cancel the operation.



## Installing applications from Market Vimar Group

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- Tapping **Ok** will enable the new icon (in this case **DVR** with the title of **Secuviewer**) which will be displayed on the main menu between the  and  icons.



- It is now necessary to download the application by tapping once on the new added icon (in this case  ).
- Once the download is complete, run the installation by tapping the icon again. After a few seconds a screen will appear for installing the application (in this case **Secuviewer**). Continue with the operation leaving all the provided options selected and tap **Install**. On completion **Application Installed** will be displayed.
- Tap the **End** icon to complete installation.  
The new application is installed and ready for use.

**Please note: the procedure and operations described above apply only to ONLINE devices (i.e., connected to an ADSL Internet connection).**

## Installation rules - Regulatory compliance

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### 4. INSTALLATION RULES.

Installation should be carried out in compliance with the current regulations regarding the installation of electrical systems in the country where the products are installed.

**CAUTION:** To prevent injury, the appliance must be secured to the wall as described in the installation instructions.

Above the power supply there must be a bipolar circuit breaker that is easily accessible with a contact gap of at least 3 mm.

### 5. REGULATORY COMPLIANCE.

LV directive

EMC directive

Standards EN 60950-1, EN 61000-6-1, EN 61000-6-3.





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