Art. 5721 - 5721/D*
Video door entry unit with 3.5" monitor for Due Fili (Two-Wire) call system
Elvox Vimar Group.

DUEFILI**ELVOX**

ELVOX
VIMAR group

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Indice

Technical characteristics

The video door entry unit is nothing more than an audio-video interface through which it is possible to interact with voice and images; the device is equipped with inputs and outputs that allow connections with all the other devices in the system (power supplies, entrance panels, call buttons, video cameras, electrical locks, etc.).

Fig. 1 - Video door entry unit 5721

Type of system.

The video door entry unit 5721 can be used only in Due Fili (Two-Wire) video door entry systems; it is therefore necessary to use only devices in the Due Fili (Two-Wire) range (for the specifications please see the relevant manuals).

The Two-Wire system enables the construction of systems with digital identification of devices and controls.

Each of the devices must be coded in order to have a unique code; each device communicates with the others via data containing all the information relating to the management of the communication. The typical control operations of a video door entry system are calls, opening electrical locks, switching on stair lights, etc.

Finally, as regards the type of cables to be used for connecting system components, both toward the pillar and toward the speech unit, it is recommended to use the "2-wire twisted non-polarized" type with a cross-section of 1 mm² art. 732H for indoor installations.

If laying underground in drainage channels, or in environments where regulations require using LSZH (or LS0Z) cables you must use cable art. 732I.

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

Advantages of the Due Fili (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.

Technical characteristics

Another advantage of using the Due Fili (Two-Wire) system is the extreme flexibility in the event of expanding the system at a later date; it is possible to add new indoor stations by simply using the pillar without having to wire additional cables to the power supply.
The digital management of all the commands (ringtone duration, type of ringtone, call duration, answer duration, entry with password or programmed key, etc.) allows all the parameters for devices to be programmed to meet individual users' needs.

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 entrance panels, audio and video
• Recommended cable art. 732H (for indoor installation), art. 732I (for underground installation with drainage channel), art. LSZH (or LS0Z) or a cable of equal or higher characteristics.
• 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 indoor stations
• Different call tones for entrance panel, landing and intercom
• Supplementary ringtones connected to the indoor stations can be used
• Multiple routing of the same call (up to 8 devices)
• Group video door entry call with only the master 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 starting from the third video door entry unit)
• Simple programming of the devices for the standard functions via panel and device buttons
• Advanced device programming with a personal computer (PC), USB interface 692I/U and "EVCom" software.

Description of terminals.

On the back of the video door entry unit 5721 there are 3 types of connectors:

- Removable 8-pin terminal block to connect the bus and other optional inputs and outputs; these terminals, divided according to the functions described in the table below, are used to make all the connections from and to the video door entry unit.

Terminal number	Type	Function
1	Input/Output	BUS digital line
2	Input/Output	BUS digital line
E+	Input	Additional power supply (28 VDC)
E-	Input	Additional power supply (28 VDC)
12V	-	Power supply for supplementary relay/ringtone
CH	Output	Control for supplementary relay/ringtone
FP	Input	Landing button N.O. (doorbell function)
M	-	Ground reference for Landing push-button N.O.

- PIN-STRIP 30-pin connector for hooking up the home automation module 01965.

- Connector for software update (Vimar internal use only).

Technical characteristics

Power consumption.

The consumption of the video door entry unit 5721 depends on the device's current mode of operation (with or without a call in progress).

The mean values of the power input in the typical modes of operation are the following:

• Video door entry unit 5721:
  - with a call in progress (video door entry unit on video communication): 175 mA.
  - with no call in progress (video door entry unit on stand-by): 60 mA.

• Video door entry unit 5721/D:
  - with a call in progress (video door entry unit on video communication): 175 mA.
  - with no call in progress (video door entry unit on stand-by): 60 mA.

N.B. The above values are approximate.

Power supplies and other Due Fili (Two-Wire) accessories.

The power supplies and other accessories that can be used for installing the system are those of the Due Fili (Two-Wire) range; in particular, the following items are recommended:

- • 6922   (basic video door entry unit power supply)
- • 6923   (additional power supply for entrance panels and monitors)
- • 6852   (power supply for additional video cameras)
- • 692S   (separator for the division of conversation areas)
- • 692C   (concentrator for connections of up to 4 entrance panels, of which at least one is a video door entry version)
- • 69AM   (audio/video interface module for external video camera)
- • 69AM/4   (expansion module for 4 video cameras with audio input to be connected to 69AM)
- • 692D/2   (active video floor distributor to adapt impedance of video signal)
- • 692D   (passive video distributor)
- • 69RH   (digital relay with 2 independent contacts and maximum load of 3A 230V per contact)
- • 69PH   (digital relay with 2 independent contacts and maximum load of 6A 230V per contact AC1)

As regards all the technical characteristics (supply voltage, current delivered, power input, description of terminals, etc.), of the above devices, please see the relevant instruction sheets.

Technical characteristics

N.B.:

• Up to 16 AUX SERVICES can be piloted using relay art. 02022 and 69PH (1 relay art. 02022 or 69PH has 2 separate actuators to pilot 2 AUX SERVICES).
  Each single command is sent by pressing a button (associated with this command) on the video door entry unit.
  Other commands can be associated and programmed freely on the available buttons via the PC, USB interface 692I/U and "EVCom" software.

• "Configurable buttons" are the softkeys that can be programmed for different functions according to the needs of each user.

• The digital relay must always be associated with its own ID address.

* Hearing aid function (art. 5721/D only)

Art. 5721/D has an internal coil which allows hearing aid wearers to use the device. For an effective magnetic coupling between the monitor and the hearing aid, it is advisable to stand facing the monitor.
For correct operation of the hearing aid refer to its instruction manual.

Note: any metal objects or electronic equipment nearby may compromise the quality of the sound received by the hearing aid.
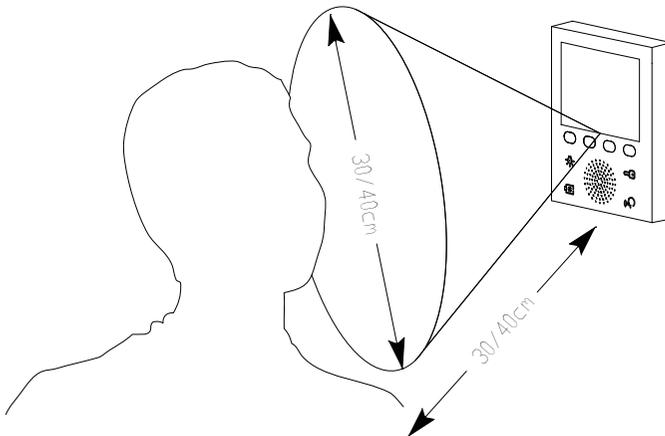
Functions of the video door entry unit

The video door entry unit also permits using default functions such as:
- switch on stair lights;
- self-start the speech unit;
- view the images transmitted by the video cameras installed in the video door entry system.
- intercom calls to other audio or video door entry units.

All the functions of the video door entry unit are enabled by tapping the associated buttons.

E   Button for SWITCHING ON THE LIGHTS of the stairwell or hallway.

G   Button for UNLOCKING THE ELECTRICAL LOCK of the gate.

F   Button for SELF-STARTING the panel and CYCLIC VIEWING of the images transmitted
          by the video cameras of the video door entry system.

H   HANDSFREE ANSWER button to answer the call, end the call, end self-start, display the intercom call
user menu, confirm the recipient user and end the intercom call.

A-B-C-D   Buttons to access the setup and configuration menus of the video door entry unit.

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

- With the MONITOR ON (the display and the LEDs for backlighting the buttons are on).

- With the MONITOR OFF (both the display and the LEDs for backlighting the buttons are switched off).
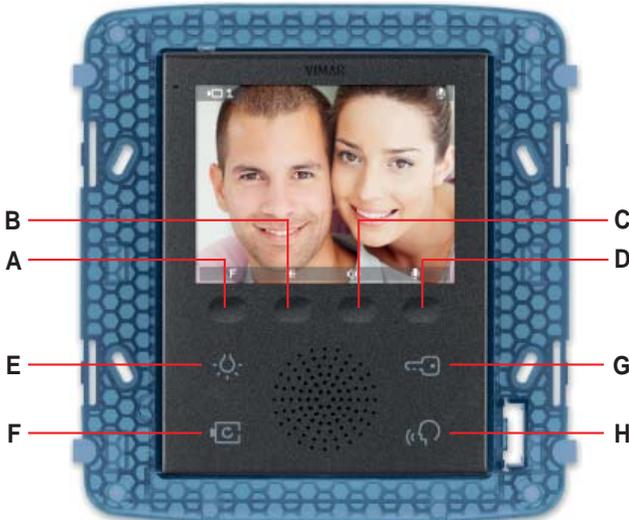
Figure 2 - Front view 5721.

Functions of the video door entry unit

Selecting the "TV" (Video Termination) line termination

The bus line must be adjusted according to the cable used (impedance) and the installation topology of the system. It is possible to use a twisted-pair cable at 100 Ω or a cable Cat. 5 (50 Ω).
The "TV video termination" dip switches on the back of the video door entry unit and near the 8-pin terminal block must be set according to the instructions given in Fig. 3 and in the following table:

Position A	No termination	If the bus enters and exits the device
Position B	Termination 100 Ω	If the bus terminates in the device
Position C	Termination 50 Ω	If the bus terminates in the device
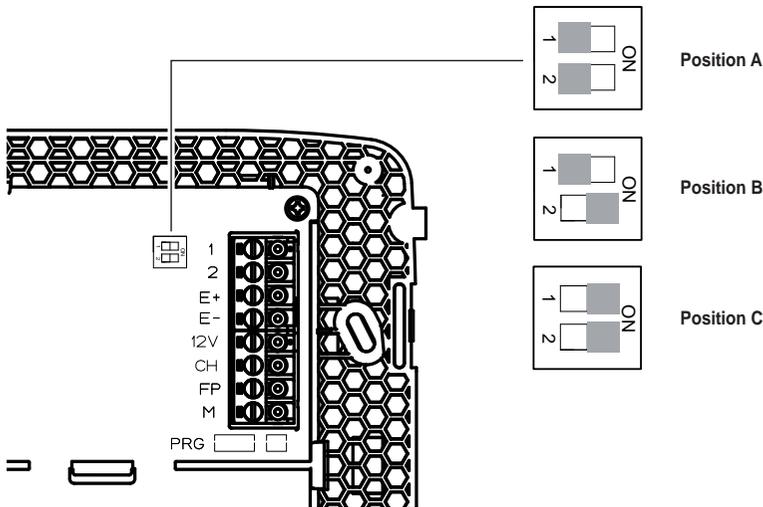
Figure 3 - Selecting the termination.

Functions of the video door entry unit

Warnings for device coding and programming.

The identification phase (coding via numerical identification - ID) for some devices of the Due Fili (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: In order to program the video door entry unit, the system must include the MASTER electronic panel and the power supply.

The various devices must be programmed after they have been identified and that is **after saving the ID;** this programming can be done with electronic panels art. 0200.., with the PC, USB interface 692I/U and "EVCom" software.

Device programming phases.

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

- Install and connect all the devices to the system.
- In the case of a video door entry system, set the dip-switches for the video termination as shown in the video termination selection table (page alongside).
- When there are electronic entrance panels with push buttons, do the hardware programming of any push button 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 in the relevant instruction manuals.
- 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….).

Functions of the video door entry unit

Answering calls.

When a call is made from a speech unit (external panel, intercom or consumer unit), the device related to the called numerical identification modulates the call tone configured 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 hands-free system, communication with the speech unit is activated with the first tap on the softkey **H** and switched off when the button is next tapped.
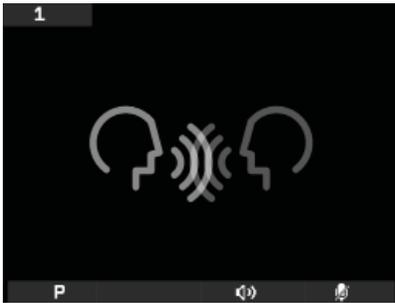
Fig. 4 - Audio-only call

Fig. 5 - Audio/video call

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).

On the bottom bar there are icons associated with the corresponding softkeys of the video door entry unit, in particular:

• [P] icon (softkey **A**): The function of the button varies depending on the type of save made.

       - If just one function is saved, tapping **A** will activate the function.

       - If more than one function is saved (up to 16), tapping **A** displays the drop-down menu that lets you select the function to be activated.
       Use the softkeys **B** and **C** to select the desired function and tap **D** (icon ✓ to activate it).

• 🔆 icon (softkey **B**): adjusting the brightness of the display (when active).

• 🔊 icon (softkey **C**): adjusting the volume of the audio communication (when active).

• 🎤 icon (softkey **D**): switch the microphone for audio communication on/off (when active).

The menus could also display the icon 🔙 associated with softkey **A**; it allows you to go back to the previous screen immediately.

The menus could also display the icon ✓ associated with softkey **D**; it allows you to confirm your choice.

Functions of the video door entry unit

Self-Start function.

This function is used to enable audio and video communication on the Master panel without a call being received; this can be useful, for example, if you want to check the outside area or one or more interior areas where additional video cameras are installed.

To activate self-starting on the external panel, simply tap the softkey **F**.

Then repeatedly tapping the softkey **F** cyclically self-starts any other secondary panels installed and/or any additional video cameras installed in the system.

The progressive self-start sequence on the secondary entrance panels can be programmed as a panel parameter using the PC interface 692I/U and "EVCom" software.

The self-start on further additional stand-alone CCTV-type video cameras (for instance 20560, 19560, 14560, 20565, 19565, 14565) is constrained by the presence of the audio/video interface 02016.

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

Fig. 6 - Self-start panel 2
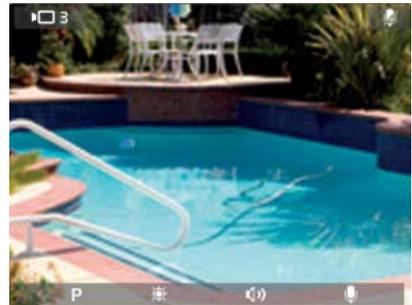
Fig. 7 - Video camera self-start

Confidential Conversation

The "confidential conversation" function allows you to communicate with the speech unit only if a call has arrived or if there has been a self-start; it is not possible to listen to other communications in progress nor self-start while there is an ongoing conversation.

The "confidential conversation" function is always enabled in Due Fili (Two-Wire) systems.

Functions of the video door entry unit

"Door Open" indicator.

This function shows you a warning icon at the top right corner of the display telling you that a door or gate has remained open; this application is useful, for example, to signal any unwanted entry into the dwelling.

To enable this function, you must connect a sensor with N.O. contacts to terminals "PA" and "M" of the panel in the Due Fili (Two-Wire) system.

N.B. When the door is closed, the sensor must be in the N.O. state.

Example installation:

TE - External video panel
CP - Lock open button
SE - Electric lock 12 VDC
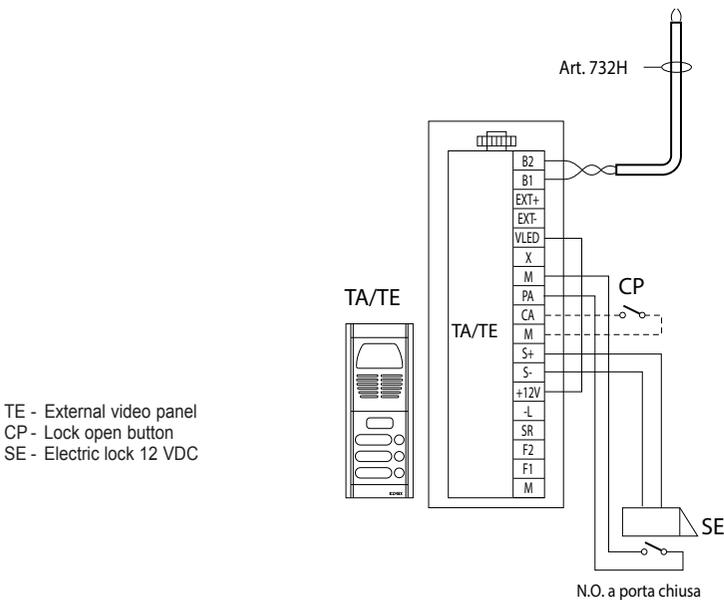
Figure 8 - Connection of the "door open" signal.

Functions of the video door entry unit

LOCK control activation.

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

The LOCK OPENING control is activated by tapping the softkey **G** of the video door entry unit; this control is always active in both operating states of MONITOR OFF and MONITOR ON respectively.

With reference to the Due Fili (Two-Wire) panel 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 technical documentation of the panel used).

Example installation:
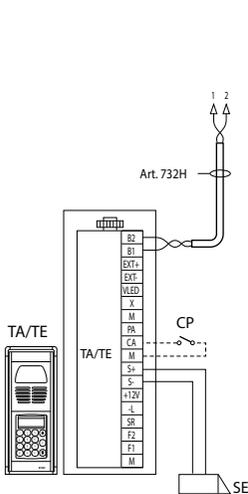
Figure 9 - Electric lock 12Vdc 200mA max
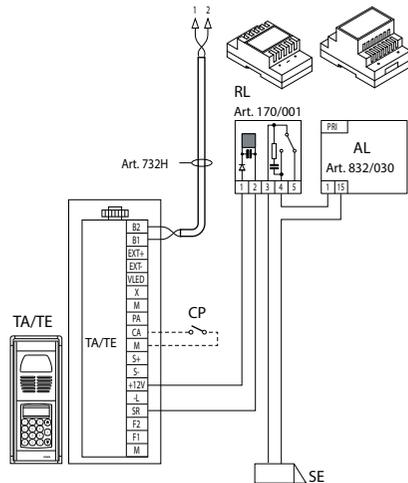
Figure 10 - Electric lock 15Vac 2A max

AL - Elvox power supply Art. 832/030
TE - External video panel
RL - Relay Art. 0170/001

CP - Lock open button
SE - Electric lock

Functions of the video door entry unit

Activating stairs lights control.

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.

The control is activated by tapping the softkey **E** of the video door entry unit; this control is always active in both operating states of MONITOR OFF and MONITOR ON respectively.

To activate, you can use the AUX SERVICE commands (up to a max of 16 independent services) with the support of an external digital relay art. 69RH, 69PH.

The command is activated by tapping the associated softkey that sends the AUX 1 SERVICE command that activates the corresponding output in the supporting digital relay (factory setting).

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

Example installation:
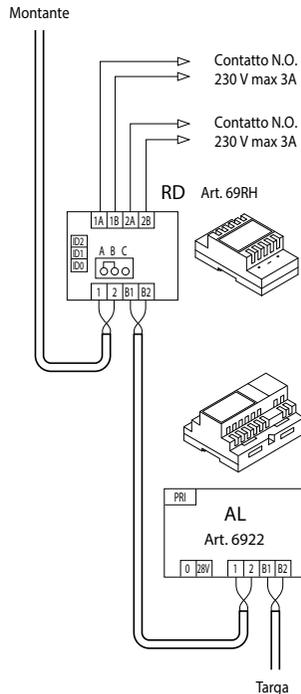
Figure 11 - Switching on stairs lights

AL - Power supply Art. 6922
RD - Digital relay Art. 69RH-69PH
SE - Electric lock 12 Vdc

Functions of the video door entry unit

Activating Auxiliary Functions.

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

To activate the control, either with a call in progress or without a call or during self-start, tap the softkey **A**, select the desired function with **B** and **C** and tap **D**; the control is active when operating with the MONITOR ON.

As regards the supporting relays, it is possible to use the external digital relay art. 69RH with applicable load 3 A or 69PH with applicable load 6 A - AC1.

You can use the AUX SERVICE 1/2 commands with the support of an external digital relay art. 69RH or 69PH.

The activation time of the AUX SERVICES 1..16 can be set directly from the relay (for full details, please see the documentation for art. 69RH or 69PH).

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 terminals "FP" and "M" of the video touchscreen and, on pressing this button, the video door entry unit will beep without however turning on the display; the ringtone is set from the menu and corresponds to adjusting the ringtone from the landing.

Example installation

CP - N.O. call button
VV - Video door entry unit 5721
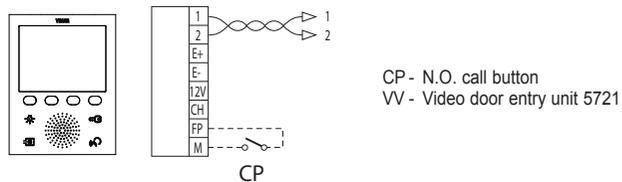
Figure 12 - Doorbell calls

Functions of the video door entry unit

Landing calls.

The system enables making both audio and audio/video speech units 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 19577 or 14577 while the audio/video speech unit is made of the same call button which is combined with a video camera (art. 20560, 19560, 14560 or 20565, 19565, 14565) with the possibility of adding also the LED illuminators (art. 20570, 19570, 14570) if the ambient light is not sufficient.

Finally, to make the audio/video call from the landing, it is necessary to use the audio/video interface for video cameras 69AM (see the "AUDIO/VIDEO COMMUNICATION FOR LANDING CALLS" chapter in this manual).

Examples of installation:
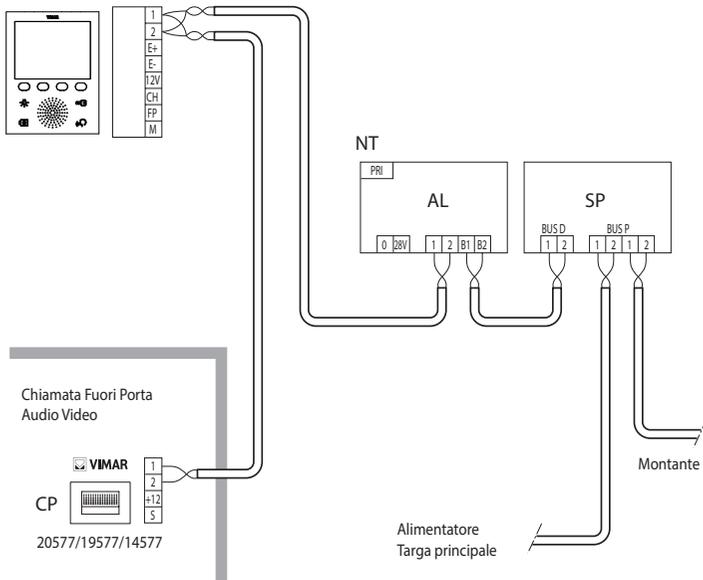
AL - Power supply Art. 6922
SP - Separator Art. 692S

CP - Landing call button Art. 20577/19577/14577
NT - Network
VV - Video door entry unit 5721

Figure 13 - Landing calls, audio only

16

Functions of the video door entry unit

Figure 14 - Landing calls, audio/video
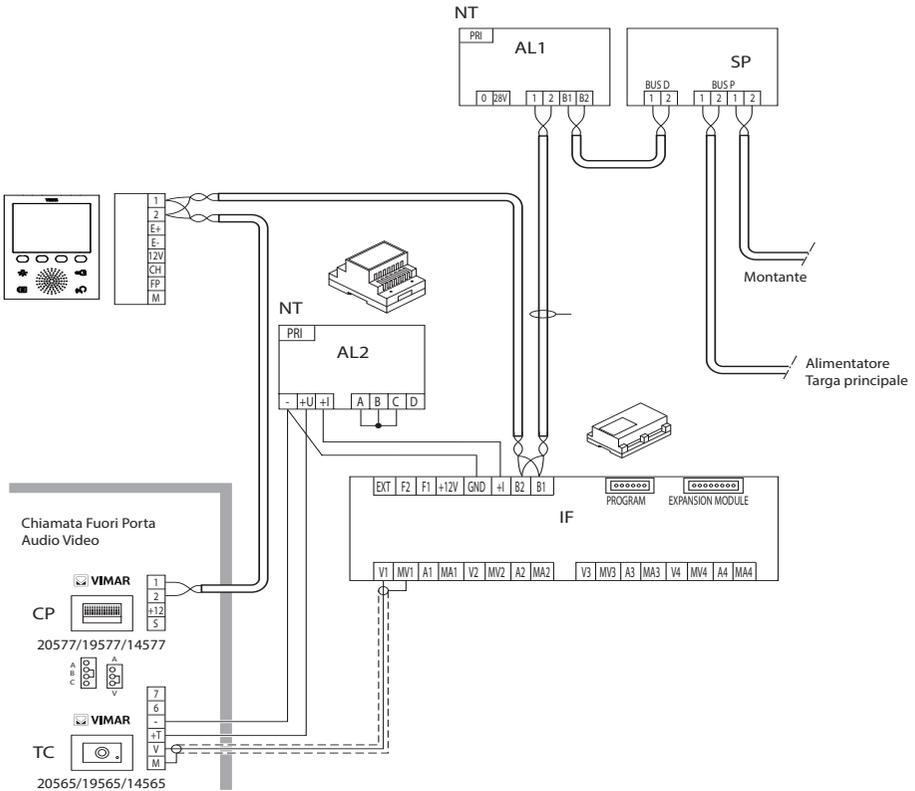
AL1 - Power supply Art. 6922
AL2 - Power supply Art. 6852
IF - Audio/video interface for video cameras Art. 69AM
SP - Separator Art. 692S

CP - Landing call button Art. 20577/19577/14577
TC - Video camera with microphone Art. 20565/19565/14565
VV - Video door entry unit 5721
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.

Functions of the video door entry unit

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 repeater relays or external ringtones.

If you install 12 Vdc relays (for instance, art. 0170/101) the "+12" and "CH" terminals of the video door entry unit and, if you use the Elvox ringtone 860A powered from the mains, the terminals to be wired are "CH" and "M".

N.B.: If you are not using external relays, do not exceed a power draw of 100 mA from the "+12" output so as not to cause malfunctioning of the video door entry unit.

Examples of installation:
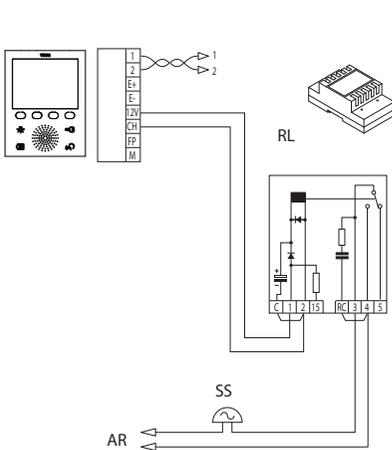
RL - Relay Art. 0170/101
SN - Elvox bell Art. 860A

AR - Bell power supply
NT - Network
SS - Supplementary bell
VV - Video door entry unit 5721
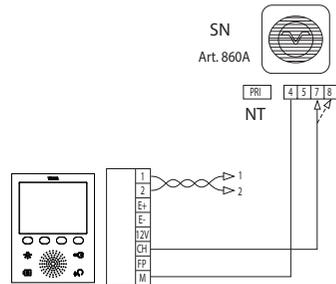
Figure 15 - Installation of external bell with relay

Figure 16 - Installation with Elvox external bell

Video door entry units with simultaneous video calls.

The need to install several video door entry units in parallel with simultaneous activation of the monitors requires, for each video door entry unit starting from No. 2 onwards, using supplementary power supplies if all the monitors have to switch on simultaneously.

Functions of the video door entry unit

For the technical details on the possible installation topologies in both basic residential and complex building structures, please see the examples shown in the diagrams.

Examples of installation:
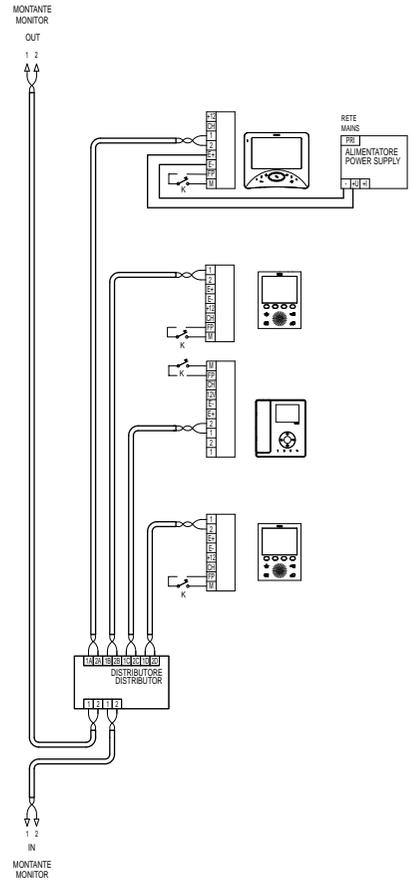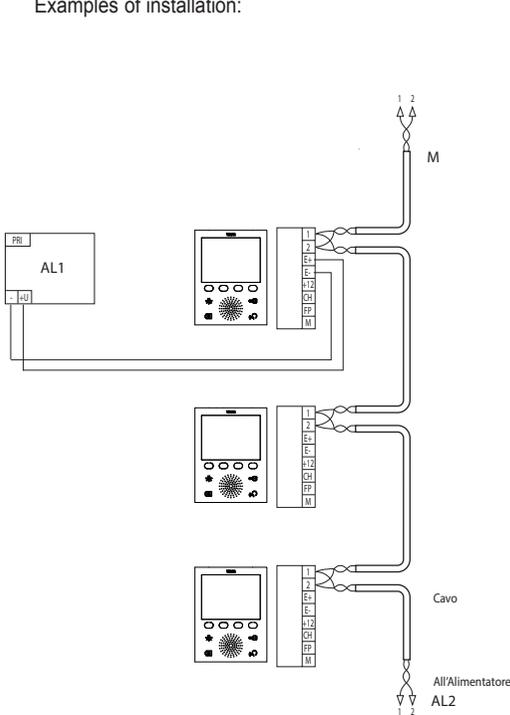
Figure 17 - Video door entry units with simultaneous video calls

Figure 18 - Video door entry units with active distributor

AL1 - Power supply Art. 6923
AL2 - Power supply Art. 6922

M - Pillar
NT - Network
VV - Video door entry unit 5721

Installation topology

Installation topology.

In practice there are different ways to create 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 layouts are typically those where there is one or more outdoor calling stations and one or more indoor answering stations. These layouts can differ according to the functions and services required (connection of a number of video door entry units in parallel, ringtone repeaters, actuators for external services, etc.) for which specific supplementary modules are needed (supplementary power supplies, external relays, etc.).

Examples:
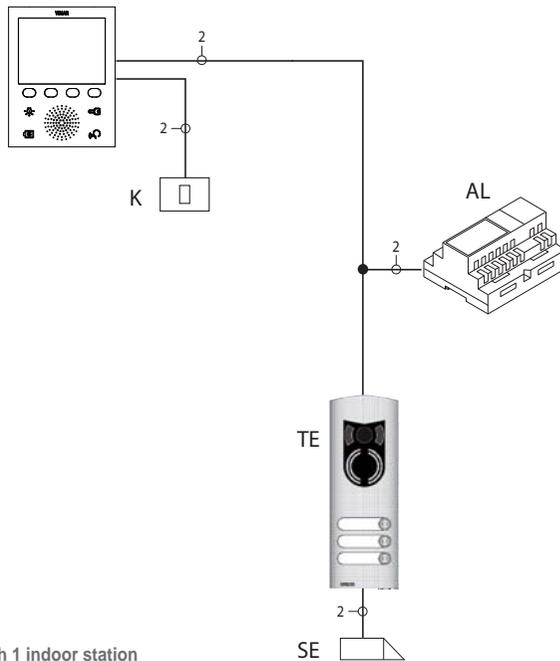
AL - Power supply Art. 6922
TE- External video panel

K   - Landing call button
SE - Electric lock 12 Vdc
VV - Video door entry unit 5721

Figure 19 - Video door entry system with 1 indoor station

Installation topology

Appartamento 2

Appartamento 1

CV — VIMAR
20557
19557
14557

CV — VIMAR
20557
19557
14557

VV

K

AL

SP

DV

DV

AL

AS

TE

SE
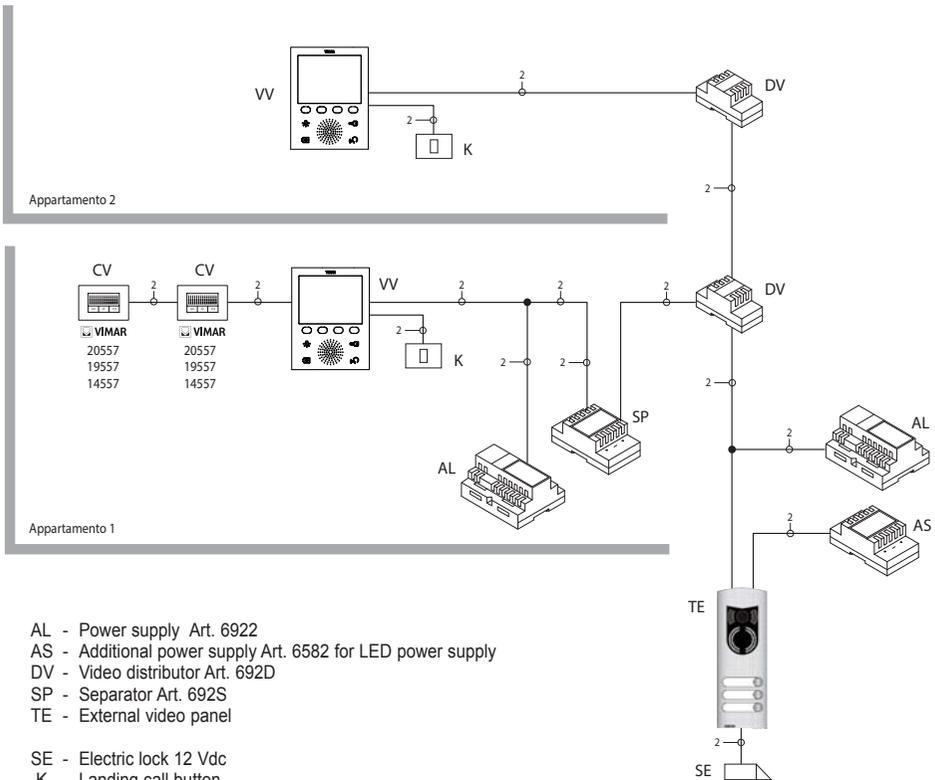
AL - Power supply Art. 6922
AS - Additional power supply Art. 6582 for LED power supply
DV - Video distributor Art. 692D
SP - Separator Art. 692S
TE - External video panel

SE - Electric lock 12 Vdc
 K - Landing call button
CV - Audio door entry unit Art. 20557/19557/14557
VV - Video door entry unit 5721

Figure 20 - Multi-family video door entry system

In the above examples, there is a single main power supply (AL) in the systems that use the single speech unit (TE). If it is necessary to build a network of intercommunicating audio/video door entry units isolated from the main system or if there are several external sources of audio-video signals (speech units with video camera and voice unit) or if you want to create separated communication sectors or if there are systems already installed in a building complex, then further supplementary modules will be needed such as:

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

Installation topology

In the system pillar there can be installed both Vimar and Elvox (VV, VE, CE) indoor stations, provided that these belong solely to the Due Fili (Two-Wire) system range.
For the technical details on the possible installation topologies in both basic residential and complex building structures, please see the examples shown in the diagrams.

Examples:
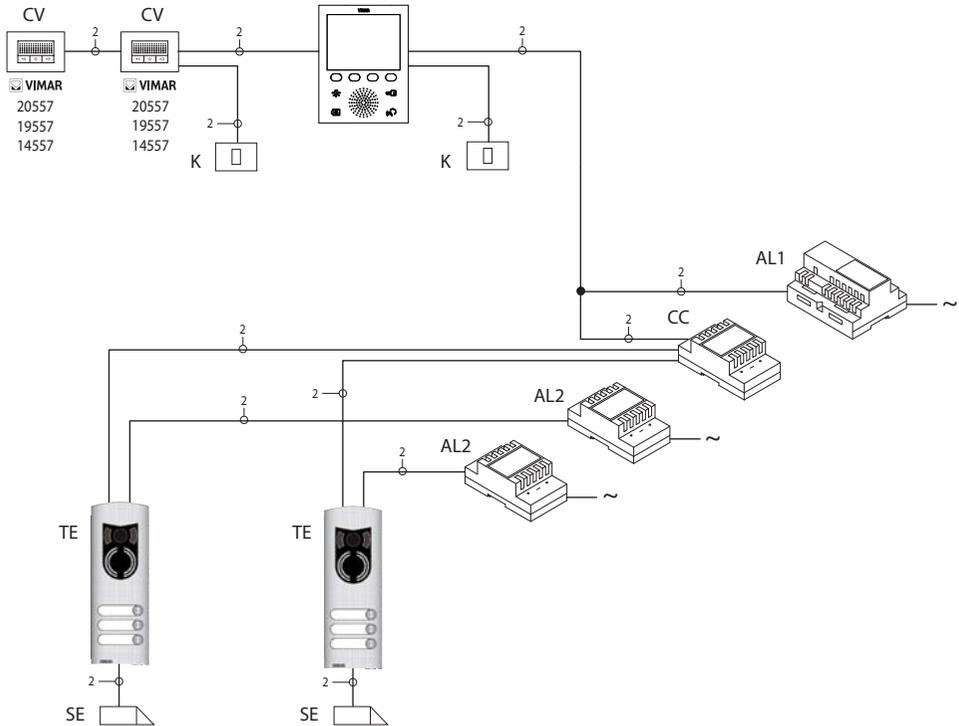
AL1 - Power supply Art. 6922
AL2 - Power supply Art. 6923
CC - Concentrator Art. 692C
TE - External video panel

K   - Landing call button
CV - Audio door entry unit Art. 20557/19557/14557
SE - Electric lock 12 Vdc
VV - Video door entry unit 5721

Figure 21 - Video door entry system with 2 speech units

Installation topology

AL - Power supply Art. 6922
AS - Additional power supply Art. 6582 for
        LED power supply
CE - Elvox audio door entry unit Art. 6209
DV - Video distributor Art. 692D
SP - Separator Art. 692S
TE - External video panel
VE - Elvox video door entry unit
        Art. 6029+6209+6145, 6029+6209+6145

 K - Landing call button
SE - Electric lock 12 Vdc
CV - Audio door entry unit Art. 20557/19557/14557
VV - Video door entry unit 5721

Figure 22 - Video door entry system in a building complex

Configuration of the video door entry unit

Configuration of the video door entry unit.

All the main standard functions of the video door entry unit are configured with the buttons on the front of the device. For the advanced programming of the video door entry unit (optional functions such as setting groups, association with the landing audio/video call buttons, etc.) it is necessary to use the PC, USB interface 692I/U, "EVCom" software and the MASTER panel.

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 require-ments 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 Due Fili (Two Wire) documentation – parameter enabled by default) and set the self-start sequence on the MASTER panel with the PC and the USB interface 692I/U with "EVCom" software.

Enabling the "User Away" function.

This type of function allows the user to signal he or she is away; 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 "User Away" function is enabled, the display will show the corresponding icon; the video door entry unit that receives the call doesn't emit any audible warning and it doesn't turn on the monitor.
The entrance panel will beep and, in the case of alphanumeric panels with a display, it will show the away message.

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, 19577 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, 19577 or 14577)
2. Associate the video door entry unit/audio door entry unit with the landing call button 20577/19577/14577 using the PC and the USB interface 692I/U with "EVCom" software (see the chapter called "CONFIGURATION OF THE OPTIONAL FUNCTIONS OF THE VIDEO DOOR ENTRY UNIT" – Associating landing calls) in this manual.

NOTE: To associate the video/audio door entry unit with the landing call solely of the audio type it is necessa
NOTE: To associate the video/audio door entry unit with the landing call solely of the audio type it is neces-sary to keep the call type selection jumper (set on the removable terminal side of 20577/19577/14577) in position "A".

Configuration of the video door entry unit

Landing calls, audio/video.

If there is a speech unit on the landing with the audio/video function (art. 20577/19577/14577 with 20560/19560/14560 or 20565/19565/14565), the video door entry unit must be configured for being able to receive the audio communication from the call button 20577/19577/14577 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. 69AM.

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, 19577 or 14577)
2. Associate the video door entry unit/audio door entry unit with the landing call button 20577/19577/14577 using the PC and the USB interface 692I/U with "EVCom" software (see the chapter called "CONFIGURATION OF THE OPTIONAL FUNCTIONS OF THE VIDEO DOOR ENTRY UNIT" – Associating landing calls) in this manual.

N.B.: 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 20577/19577/14577) 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 same ID class as the monitors (numerical code from 1 to 200).

The local lock activation time (the setting is equal to 1 s) can be modified only with the PC and the USB interface 692I/U and the "EVCom" software (selection range 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:
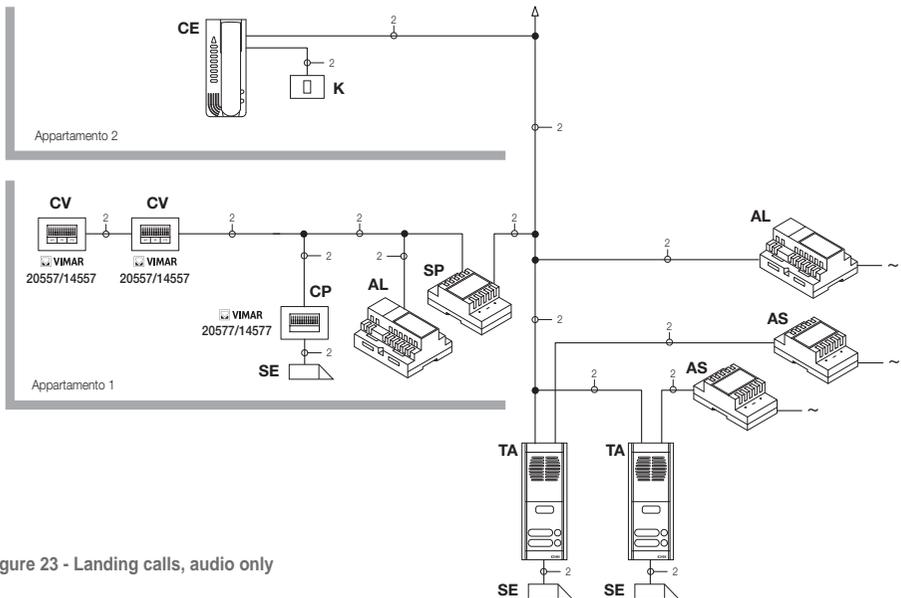
Figure 23 - Landing calls, audio only

Configuration of the video door entry unit
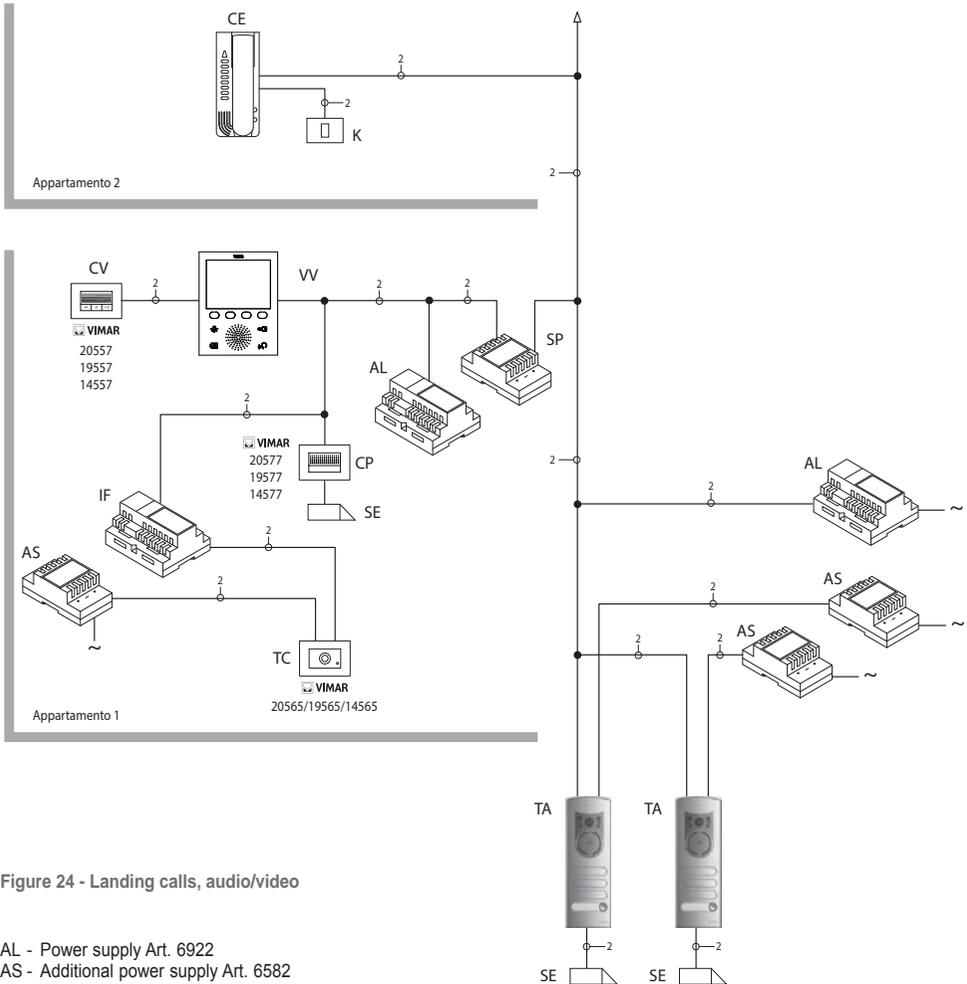
Figure 24 - Landing calls, audio/video

AL - Power supply Art. 6922
AS - Additional power supply Art. 6582
CE - Elvox audio door entry unit Art. 6209
SP - Separator Art. 692S
TA - Elvox audio external panel series 1300
IF - Audio/video interface for video cameras Art. 69AM

CP - Landing call button Art. 20577/19577/14577
 K - Landing call button
CV - Audio door entry unit Art. 20557/19557/14557
SE - Electric lock 12 Vdc
TC - Video camera Art. 20560-19560-14560/20565-19565-14565
VV - Video door entry unit 5721

Configuration of the video door entry unit

Audio/video interface for video cameras.

The audio/video interface for video cameras art. 69AM 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 a "CCTV function".
The device is able to manage 4 video cameras directly with the related audio inputs (video cameras 20565, 19565 and 14565) and up to a maximum of 16 video cameras with related audio inputs using special expansion modules with 4 inputs art. 69AM/T.

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, 19577 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.
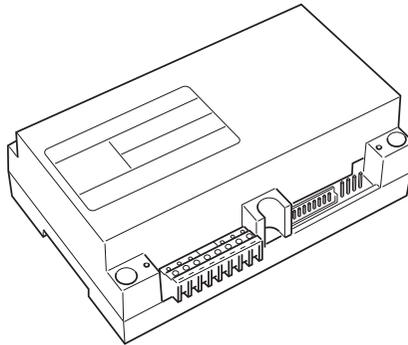
Figure 25 - Audio/video interface 69AM

APPLICATIONS:

1. Using the interface 69AM 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 the PC and the USB interface 692I/U 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).

You scroll through the images transmitted by the video cameras connected to the interface by repeatedly tap

Configuration of the video door entry unit

N.B.: For each video door entry unit it is possible to configure the self-start sequence of the additional video cameras connected to the audio/video interface 02016; **this configuration can be made exclusively with advanced programming of the audio/video interface by using the PC and the USB interface 692I/U with the "EVCom" software (see the related technical documentation).**

AL - Power supply Art. 6922
IF - Interface for 4 video cameras with audio Art. 69AM
CC - Concentrator Art. 692C
TV - External video panel
NT - Network
PA - Door opening command
SE - Electric lock 12 V DC
TC - CCTV camera 12 VDC

Figure 26 - Example of installation of additional video cameras

Configuration of the video door entry unit

2. Using the interface 69AM for audio/video landing calls.

If there is a landing audio/video speech unit (push-button 20577/19577/14577 and video cameras 20560, 20565, 19560, 19565, 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).

CAUTION: The association between landing call button (20577, 19577 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); therefore it is necessary to use the PC and the USB interface 692I/U with the "EVCom" software (see the related technical documentation).
On sending the audio/video call by pressing the landing nameplate button (art. 20577, 19577 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.

N.B.: 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 69AM.

Configuration of the video door entry unit

Switching on the video door entry unit for the first time.

When powering up the video door entry unit for the first time the monitor will display the neutral stand-by screen; tap any softkey to continue.

The "Welcome" screen is displayed (fig. 28).
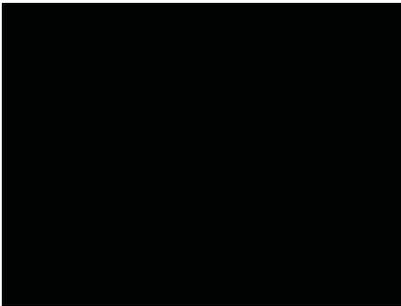
Figure 27 - Switching on the first time

Figure 28 - Welcome screen

• Tap the softkey **D** (corresponding to the icon); the video door entry unit will then "communicate" with the panel and the initialization phase will start.

Figure 29 - Initialization in progress

The panel and the video door entry unit are now in audio communication to assign the latter's ID (useful timeout 30 s).

• If the panel has push-buttons, press the button that you want to associate with the video door entry unit; if instead the panel is alphanumerical key in the **number to associate** and press button .

On completing initialization the monitor will show the screen in fig. 30.

• Tapping the softkey **A** (corresponding to the icon) stops initialization and you go back to the "Switching On the First Time" screen (fig. 27).

Configuration of the video door entry unit

• On tapping the softkey **C** (corresponding to the icon 🔊) you adjust the volume with the softkeys **B** and **C** (icon 🔊 ▭▭▭ 🔊).

Figure 30 - Initialization performed

The ID number is then saved by the video door entry unit and is shown in green at the top of the display (fig. 30). To view the screen wait for the end of the timeout of 4 seconds.

Accessing the configuration menu.

The Configuration menu is used to carry out all the operations for changing the ID of the video door entry unit, setting the functions and associating the related icons, configuring the intercom calls, setting the PIN code, etc.

• To access the Configuration menu, starting from the main screen, tap the softkey **D** (icon ⚙).

The Settings menu is displayed; using **B** and **C** select the icon ✕ and tap the softkey **D**.

Figure 31 - Main screen
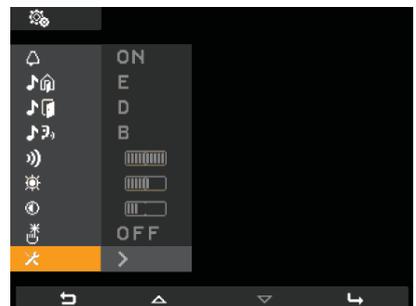
Figure 32 - Settings menu

The video door entry unit now asks you to enter the PIN **000** that is the default set in the factory.

• Using **B** and **C** enter 000 and tap the softkey **D** to confirm each one of the numbers entered (fig. 34).

Tapping the softkey **A** (corresponding to the icon ⌫) deletes the current number so as to be able to set it again.

Configuration of the video door entry unit

Figure 33 - Entering PIN digit
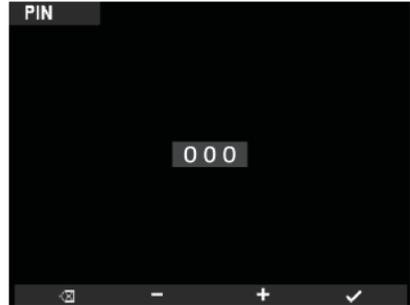
Figure 34 - Entering PIN

N.B. To access the Configuration menu it is always necessary to enter the PIN code.

Once the PIN has been correctly entered the monitor will display the Configuration menu (fig. 35)
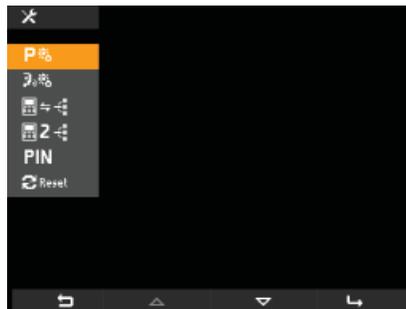
Figure 35 - Configuration menu

Changing/associating a new ID with the video door entry unit.

With this procedure, you can assign the video door entry unit with a new ID that is different to the one previously associated.

• From the Configuration menu, use **B** and **C** to select the icon ▣↹◁ and tap the softkey **D**.

The video door entry unit enters into "communication" with the panel and the initialization phase is started (fig. 36) in a similar way as illustrated in par. "Switching on the video door entry unit for the first time".

Configuration of the video door entry unit

Figure 36 - Initialization in progress

Figure 37 - Initialization performed

• If the panel has push-buttons, press the button that you want to associate with the video door entry unit; if instead the panel is alphanumerical, key in the **number to associate** and press the "bell" symbol.

The new ID number is then saved, overwriting the previous one, by the video door entry unit and is shown in green at the top of the display (fig. 37).

At the end of this operation and the end of the timeout, the monitor will show the screen of fig. 38 or that of fig. 39 depending on whether the video door entry unit has saved one or more functions.
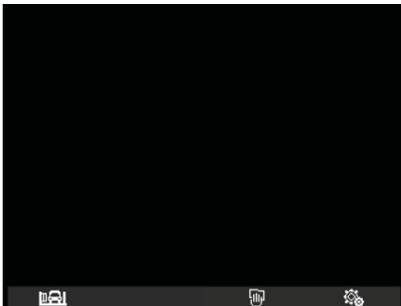
Figure 38 - Main screen with 1 saved function
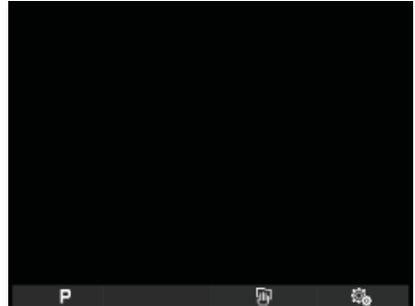
Figure 39 - Main Screen with 2 or more saved functions

Secondary ID coding for 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.

It is possible to program the activation of the ringtone 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 softkey coupled with the Self-Start function, in such a way as not to have to use any additional power supplies.

Note: If the number of video door entry units involved in simultaneous self-starting is greater than 2 it is necessary to install the additional power supplies.

Configuration of the video door entry unit

• From the Configuration menu (fig. 35), use **B** and **C** to select the icon [icon] and tap the softkey **D**.

The video door entry unit enters into "communication" with the panel and the initialization phase is started (fig. 40) in a similar way as illustrated in par. "Switching on the video door entry unit for the first time".

Figure 40 - Initialization in progress

Figure 41 - Initialization performed

• If the panel has push-buttons, press the button [icon] associated with the master video door entry unit; if instead the panel is alphanumerical [icon] key in **the number of the master video door entry unit** to associate and press the button [icon]

If the procedure has taken place successfully, a green V will appear on the display, along with the ID code for the monitor with which the Group master function is associated.
At the end of this operation and the end of the timeout, the monitor will show the screen of fig. 38 or that of fig. 39 depending on whether the video door entry unit has saved one or more functions.

Changing the PIN code.

• From the Configuration menu (fig. 35) use **B** and **C** to select the icon **PIN** and tap the softkey **D**.
• Using **B** and **C** set the new PIN tapping the softkey **D** to confirm each one of the numbers entered (fig. 43).
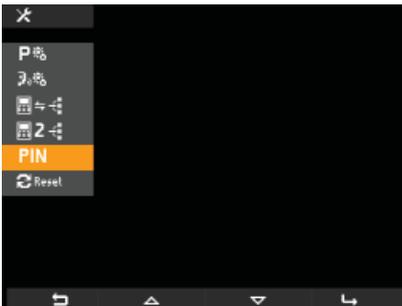
Figure 42 - Selecting the PIN
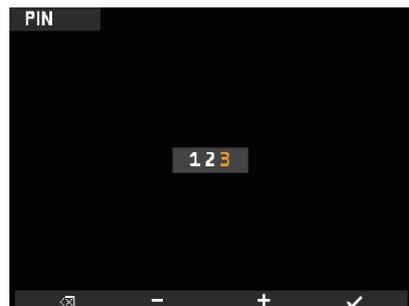
Figure 43 - Entering a new PIN

The PIN has thus been changed and to access the Configuration menu you need to enter the code you have just set.

Configuration of the video door entry unit

Selecting the type of ringtones.

Using the video door entry unit it is possible to select the types of ringtone to combine with the different calls that it can receive:
- call from panel;
- call from landing;
- intercom call.

To set these ringtones, starting from the main screen (fig. 31), tap the softkey **D** (icon 🔧).

• Setting the panel call tune.

Using **B** and **C**, select the icon 🎵🏠 and confirm by tapping **D**.

Using **B** and **C**, select the desired tune (10 tunes available identified with the letters from A through J) and confirm by tapping **D**.
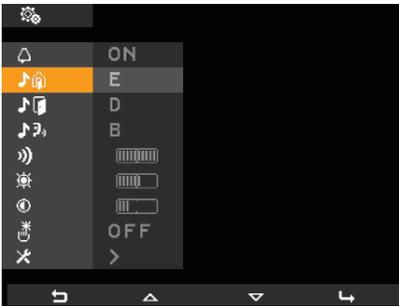
Fig. 44 - Selecting a panel call
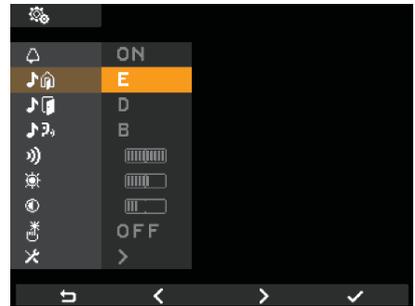
Fig. 45 - Selecting the tune

• Setting the landing call tune.

Using **B** and **C**, select the icon 🎵🚪 and confirm by tapping **D**.
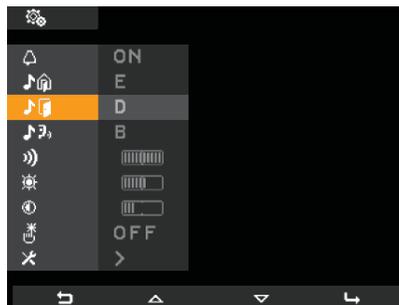
Fig. 46 - Selecting a landing call

Using **B** and **C**, select the desired tune and confirm by tapping **D**.

Configuration of the video door entry unit

• Setting the intercom call tune.

Using **B** and **C**, select the icon and confirm by tapping **D**.
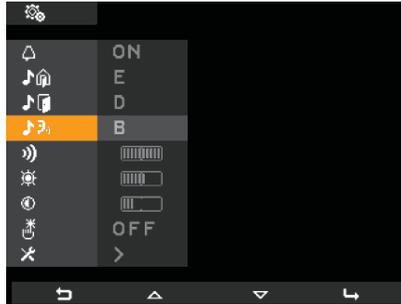
Fig. 47 - Selecting an intercom call

Using **B** and **C**, select the desired tune and confirm by tapping **D**.

Turning off the ringtone.

To turn off the ringtone of the video door entry unit, starting from the main screen, tap the softkey **D** (icon)
and using **B** and **C** select the icon ; then tap **D** to confirm.
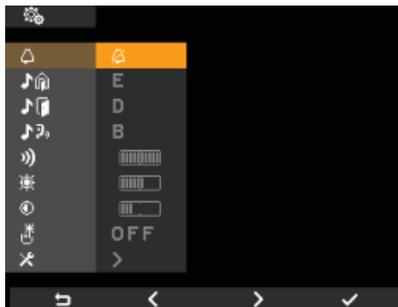
Fig. 48 - Switching off the ringtone

Using the softkeys **B** and **C** select the icon (ringtone disabled); lastly tap **D** to confirm.

Note: When finished, at the upper right corner the display will show the icon .

CAUTION:
• In the event of a video door entry call, the monitor will be activated, but you will not hear a ringtone.
• The ringtone is disabled only for calls from external units (electronic panel).

Configuration of the video door entry unit

Ringtone volume adjustment.

The volumes of the ringtones described above are adjusted in one and therefore all three will be given the same volume level.

To set the volume, starting from the main screen, tap the softkey **D** (icon ⚙) and using **B** and **C** select the icon ⟩) ; then tap **D** to confirm.

Fig. 49 - Selecting the volume of ringtones
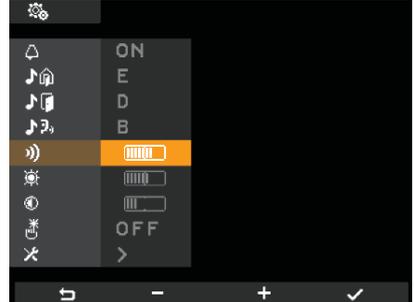
Fig. 50 - Adjusting the volume of ringtones

Using the softkeys **B** and **C** set the volume whose level will be highlighted by the horizontal bar:
- short pressure = single increase or decrease;
- long pressure = gradually faster increase or decrease.
Lastly tap **D** to confirm.

Setting the video parameters.

This menu is used to set the brightness and contrast for optimal viewing of the image on the display.
To set these parameters, starting from the main screen, tap the softkey **D** (icon ⚙).

• Setting the brightness.

Using **B** and **C**, select the icon 🔆 and confirm by tapping **D**.

Fig. 51 - Adjusting the brightness

Configuration of the video door entry unit

Using the softkeys **B** and **C** set the level which will be highlighted by the horizontal bar:
- short pressure = single increase or decrease;
- long pressure = gradually faster increase or decrease.

Lastly tap **D** to confirm.

• Setting the contrast.
Using **B** and **C**, select the icon ▣ and confirm by tapping **D**.

Fig. 52 - Adjusting the contrast

Using the softkeys **B** and **C** set the level which will be highlighted by the horizontal bar:
- short pressure = single increase or decrease;
- long pressure = gradually faster increase or decrease.

Lastly tap **D** to confirm.

Button tones.

This option allows you to enable/disable the tone emitted when you tap the buttons.

Starting from the main screen, tap the softkey **D** (icon ▣) and using **B** and **C** select the icon ▣; then tap **D** to confirm.
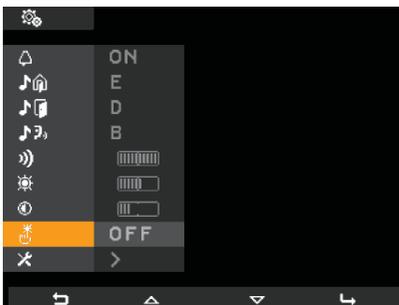
Fig. 53 - Selecting the tone of the buttons
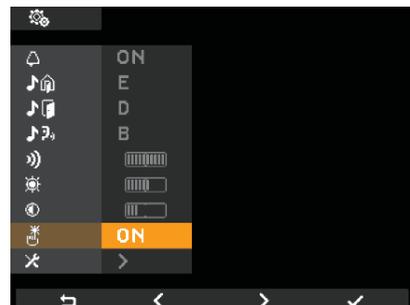
Fig. 54 - Activating button tone

Configuration of the video door entry unit

Using the softkeys **B** and **C** enable (ON) or disable (OFF) the buttons and confirm by tapping **D**.

Adjusting the speakerphone volume during a call.

With this procedure it is possible to adjust the volume of the audio channel (voice communication) that from a speech unit is sent to the loudspeaker of the video door entry unit.
During an audio/video call, tap the softkey **C** (icon) .

Fig. 55 - Adjusting the volume of the audio channel

During a call, use the softkeys **B** and **C** to set the volume whose level will be highlighted by the horizontal bar .
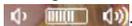
The selected volume level will be active in the video door entry unit after a timeout of 2 seconds.

During a call it is also possible to adjust the brightness that is done in just the same way as for the volume.
During an audio/video call, tap the softkey **B** (icon of fig. 6) and using **B** and **C ad**just the brightness level that will be highlighted by the horizontal bar .

The brightness setting will be active in the video door entry unit after a timeout of 2 seconds.

Enabling the "User Away" function.

This type of function allows the user to signal he or she is away via the external panel (which beeps and, in the case of panels with an alphanumeric display, it will show the away message).
This function 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.

To activate the "User Away" function, starting from the main screen (fig. 31), tap the softkey **D** (icon).

The Settings menu is displayed; using **B** and **C** select and tap the softkey **D** to confirm. Using **B** and **C** display the "User Away" function (icon) and confirm by tapping the softkey **D**.

Configuration of the video door entry unit
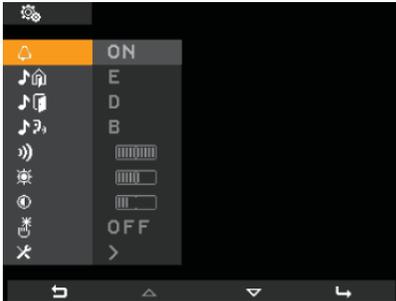
Fig. 56 - Accessing the User Away function
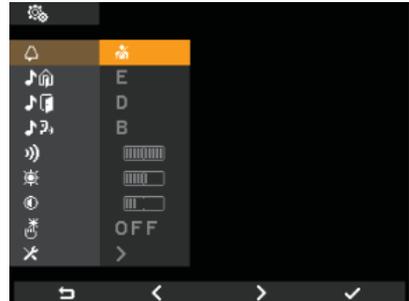
Fig. 57 - Selecting and activating the User Away function

When the "User Away" function is enabled, the display shows the corresponding icon.

Associating an icon with a function.

This option allows you to assign a specific icon to each one of the 16 available functions.

Starting from the Configuration menu (fig. 35), use **B** and **C** to select the icon ▣⬚ and tap the softkey **D**.

Using **B** and **C**, select the desired function (from the ones available) and confirm by tapping **D**.
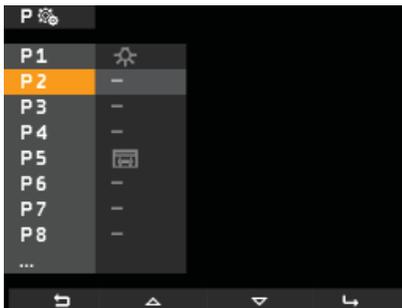
Fig. 58 - Available functions
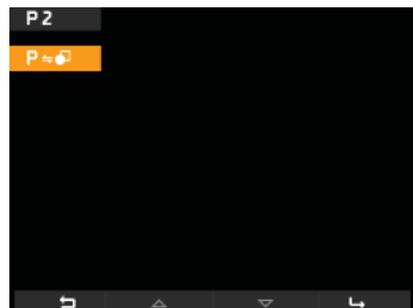
Fig. 59 - Selecting a function

Tap **D** and, using **B** and **C**, select the icon to associate with the function (the icon is useful in order to identify the corresponding command better), then confirm by tapping **D**.

The icon "tells" the video door entry unit that the associated command corresponds to a function.

Configuration of the video door entry unit
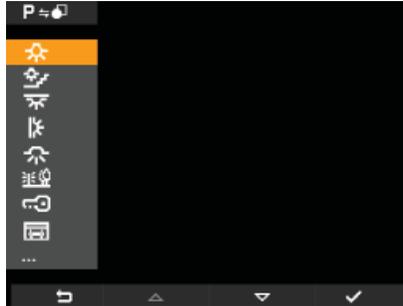
Fig. 60 - Selecting the identification icon

Editing a function.

This option allows you to edit a previously saved function.

Starting from the Configuration menu (fig. 35), use **B** and **C** to select the icon ![P icon] and tap the softkey **D**.

Using **B** and **C**, select the function to edit and confirm by tapping **D**.
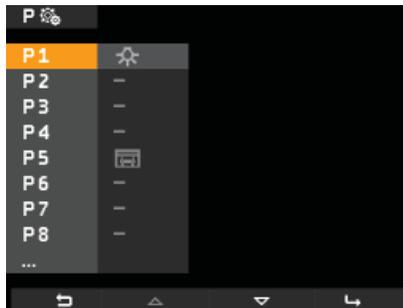
Fig. 61 - List of functions

Tap **D** and, using **B** and **C**, select the new icon to associate with the selected function, then confirm by tapping **D**.

The video door entry unit will save the new association, overwriting the previous one (no confirmation message will be displayed).

Configuration of the video door entry unit

Deleting a function.

This option allows you to delete a previously saved function (which can then be reconfigured).

Starting from the Configuration menu (fig. 35), use **B** and **C** to select the icon ![P icon] and tap the softkey **D**.

Using **B** and **C**, select the function to delete (from the ones already configured) and confirm by tapping **D**.
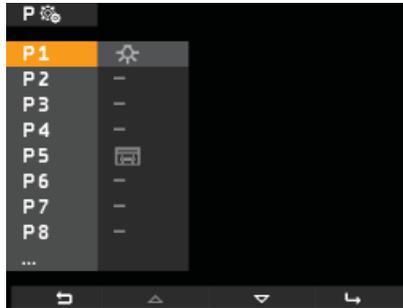
Fig. 62 - List of functions

Using **B** and **C**, select the icon ![XP icon] and tap **D**.

Then tap **D** to confirm the deletion of the selected function (fig. 64).
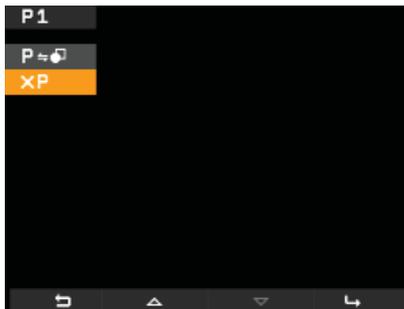
Fig. 63 - Selecting deletion

Fig. 64 - Deleting

Configuration of the video door entry unit

Configuring intercom calls.

This option allows you to configure the video door entry units (users) to be involved in intercom calls.

Starting from the Configuration menu (fig. 35), use **B** and **C** to select the icon and tap the softkey **D** to confirm.
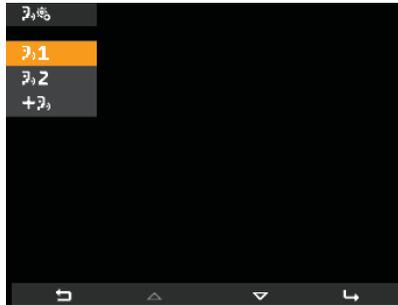
Fig. 65 - Selection by adding ID

Tap the softkey **D** and using **B** and **C** select the icon ; tap **D** to confirm.

The video door entry unit is now waiting to receive the ID corresponding to the video door entry unit of a different user that you want to be involved in the intercom call (fig. 66).

To do this, simply press the LOCK button (softkey **G**) in the case of an art. 5721) of the video door entry unit that you want to associate with the intercom call (fig. 67).

For example, if you are configuring an intercom call in the lounge video door entry unit and you want it to involve the video door entry unit installed in the kitchen, you need to tap the latter's LOCK button (this applies to all models of video and audio door entry unit in the Vimar group Elvox range).
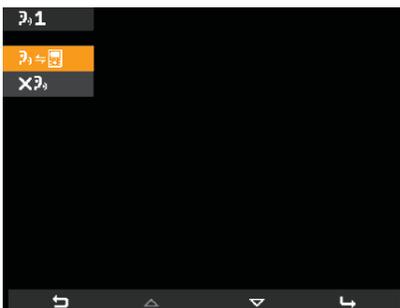
Fig. 66 - Selecting another user video door entry unit ID
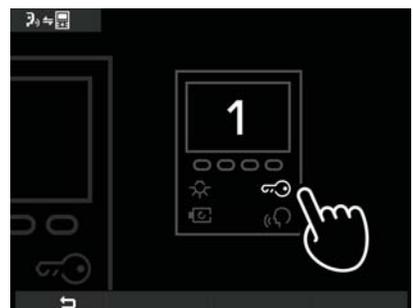
Fig. 67 - Waiting for selection of another user video door entry unit ID

Configuration of the video door entry unit

After making the association, the video door entry unit waits for the next ID to associate with the intercom call; then proceed as above or tap **A** to exit the menu.

The number identifying the intercom call (from 1 to 9) is assigned by the video door entry unit according to those already present or according to those that may get deleted; for example:

- If there are two intercom calls (1 and 2) the one you just configured is assigned the number 3;

- If number 1 is deleted from these three calls (1, 2 and 3), then number 2 will become number 1 and number 3 will become 2.

Saving users on already configured intercom calls.

This option allows you to associate new users with a previously configured intercom call (the previous call is then overwritten).

Starting from the Configuration menu (fig. 35), use **B** and **C** to select the icon ![icon] and tap the softkey **D** to confirm.

Using **B** and **C** select the icon ![icon] and tap **D** to confirm (Fig. 68).

Using **B** and **C** select the icon ![icon] and tap **D** to confirm (Fig. 69).
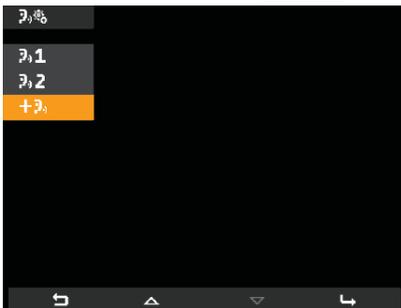
Fig. 68 - Selecting adding a new ID
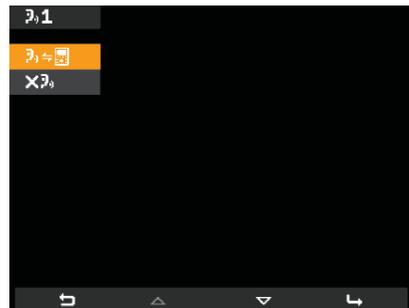
Fig. 69 - Selecting another user video door entry unit ID

Tap the LOCK button of the new video door entry unit that you want to associate with the intercom call (fig. 70).
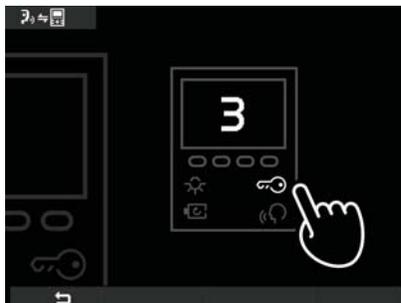
Fig. 70 - Waiting for selection of another user video door entry unit ID

Configuration of the video door entry unit

After making the association, the video door entry unit waits for another new ID to associate with the call; then proceed as above or tap **A** to exit the menu.

Deleting users saved on already configured intercom calls.

This option allows you to delete a previously configured intercom call.

Starting from the Configuration menu (fig. 35), use **B** and **C** to select the icon [icon] and tap the softkey **D** to confirm.

Using **B** and **C** select the icon corresponding to the video door entry unit you want to delete (for example, [icon]) and tap **D** to confirm (Fig. 71).
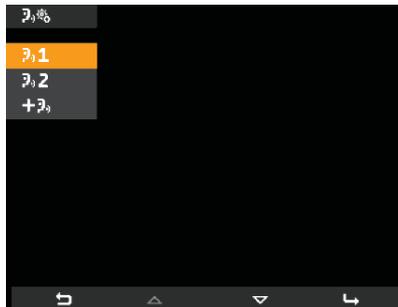
Fig. 71 - Selecting the ID of the video door entry unit to delete

Using **B** and **C** select the icon [icon] and tap **D** to confirm (Fig. 72).

Then tap **D** to confirm the deletion of the selected video door entry unit (Fig. 73).
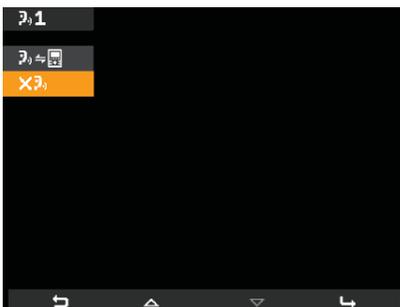
Fig. 72 - Selecting the "delete" option
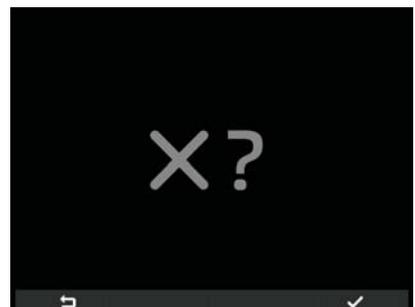
Fig. 73 - Confirming deletion

Configuration of the video door entry unit

Warning screens.

The display of the video door entry unit, in the event of a call from the consumer unit, will show the screen of fig. 74.

Fig. 74 - Call from consumer unit waiting

If while you are carrying out an operation with the video door entry unit the bus is momentarily "busy" (for example, with an intercom call, etc.), the monitor will show the screens of fig. 75 or 76 and it will not then be possible to send commands (options **P** , 🗔 and ⚙ will however remain active).

Once the condition of "Bus busy" has ended, the video door entry unit will again be able to send commands to all the other devices in the system.
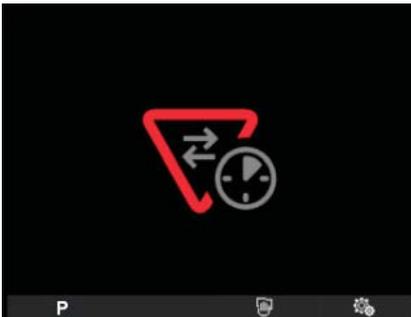
Fig. 75 - The galvanic isolation BUS is busy.
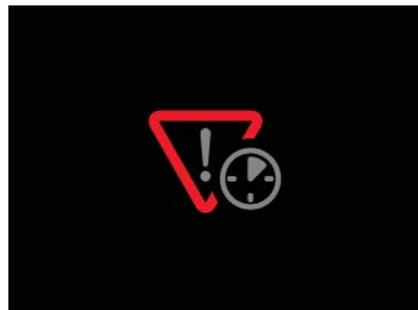
Fig. 76 - The primary BUS is busy (when there is more than one galvanic isolation).

Configuration of the video door entry unit

Configuring the optional functions of the video door entry unit (advanced programming with "EVCom").

With the advanced programming it is possible to configure some optional functions of the video door entry unit or (when it is possible) this can be accomplished by pressing the appropriate combinations of buttons.

By advanced programming we mean a configuration of the video door entry unit that is accessible only via auxiliary programming tools such as a PC and the USB interface 692I/U with "EVCom" software; the following examples refer to the "EVCom" application.

In the EVCom management application the programmable buttons are indicated with ⌐Ɔ, ⌐C, ⚡, P1.... P6.

Setting flags.

Flags are options that you can turn on/off and they affect the behaviour of the video door entry unit; you can only access flag configuration through the USB interface 692I/U for PC and the "EVCom" software.
The flags that can be set are shown in the following table:

EVCom	Flag	Description
F1-8	F1/F2 1-8	Enables FUNCTIONS F1/F2 for panels 1 - 8
	Consumer unit	Enables control via the consumer unit
F9-16	G3 External only	Enables Group 3 only for external calls from panel
	G4 Internal only	Enables Group 4 only for intercom calls
	Do not beep	Disables the beep when a button is pressed
	No RIPCH IC	Disables intercom call repetition
	G1 External only	Enables Group 1 only for external calls from panel
	G2 Internal only	Enables Group 2 only for intercom calls
	No Internal Ringtone	Disables the intercom ringtone
	No External Ringtone	Disables the ringtone of external calls from the entrance panel
F17-24	Lock End	Ends the call when you press the softkey **G** (LOCK)
	Grp. Off S.	If on "User Away," the secondary ones ring in any case
	Unlim. I.C.	Unlimited duration of intercom conversations
	Aut. Resp.	The video door entry unit passes on to communication at the end of the ringtone cycle
F25-29	Landing Group	Enables creating a Landing Group with article Elvox 6120
	Lock > Master	Enables Master lock opening with video door entry unit at rest
	Ring. Off	Ringtone off
	User Away	Ringtone off + message on panel (alphanumeric)
	No Vid. Ch.	Disables checking for a video signal

Select the drop-down menu **F1-8**, **F9-16**, etc. to display the related flags.

Configuration of the video door entry unit
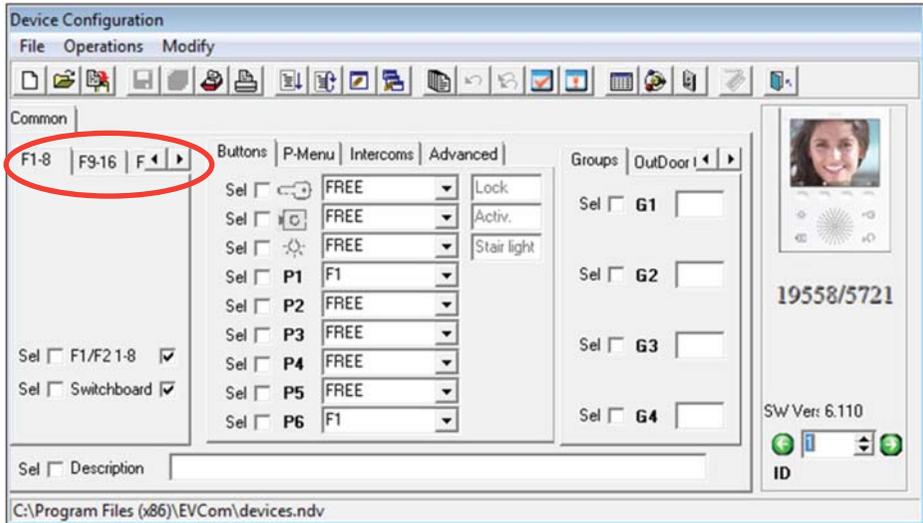
Fig. 77

Configuration of the video door entry unit

Configuration methods for functions assigned to buttons , ,

The lock, self-start and stair light buttons can be used with their "Default configuration" or can be "reconfigured" from the Default setting. In the former instance they are used to send a lock opening command, self-start and send a stair light activation command.

In the latter instance the functions can be modified using the "listbox" in the "Buttons menu" (highlighted in the figure 78).
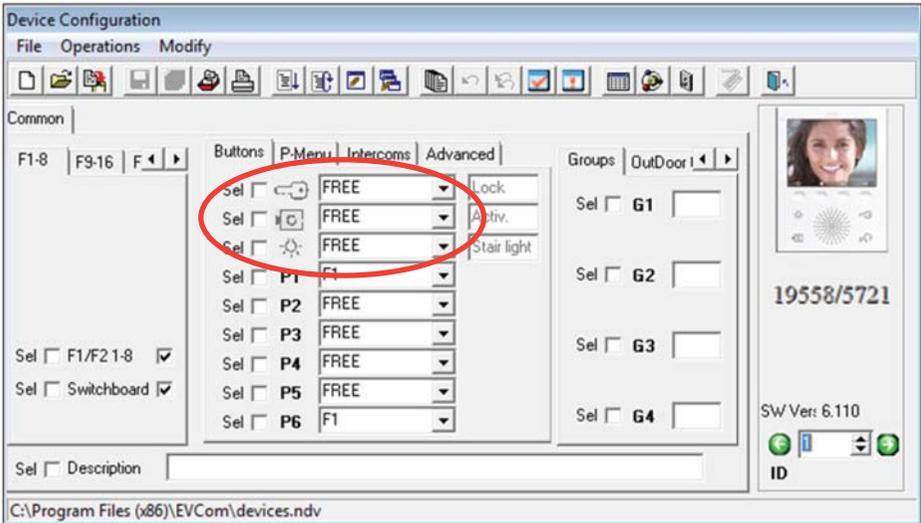
Table 2 lists the functions and a description of the "reconfigured" setting in relation to the default.

Configuration of the video door entry unit

FUNCTION	DESCRIPTION
FREE	No function assigned. For some buttons this corresponds to a default action
DEVICE	Makes an intercom call
PANEL	Self-start to a specific panel. If the lock button is configured in this way, the button does not activate self-start but sends the lock command to the entrance panel instead
AUXILIARY	Activates one of the relays for any Art. 69PH or 69RH installed
F1	Activates the F1 function of the most recently connected entrance panel (communication)
F1/PANEL	Activates the F1 function of a specific entrance panel
F2	Activates the F2 function of the most recently connected entrance panel (communication)
F2/PANEL	Activates the F2 function of a specific entrance panel
NO INT. CALL	Activates and deactivates the intercom call. When selected, intercom calls cannot be made to the monitor
NO EXT. CALL	Activates and deactivates the entrance panel call. When selected, intercom calls cannot be made from the entrance panel to the monitor
LOCK GEN	The general button becomes like the Lock button in default mode Applies to Lock, self-start, stair light buttons. Applies from version 6.18 of the interphone/video door entry systems
S.START GEN.	The general button becomes like the self-start button in default mode Applies to Lock, self-start, stair light buttons. Applies from version 6.18 of the interphone/video door entry systems
LOCK	Lock to a specific entrance panel. Applies to self-start, stair light, lock buttons. Applies from version 6.18 of the interphone/video door entry systems When this programming is active in an interphone/video door entry system is active, it takes priority over any other programming

Configuration of the video door entry unit

Configuration methods for functions assigned to buttons P1, … P6, "listbox" default (FREE)

With a "Default" configuration (FREE) in the "listbox" (fig. 79), an icon must be assigned to each relay (activation of the command from the monitor is described in the section "Activating P Function") to activate the P functions and the corresponding relays (configured previously).

Icon assignment from the "P Menu" is illustrated in figure 80.

To open the list of icons as illustrated by the arrow.

Example: if a command is sent to P2, relay AUX2 will be activated with ID = 0 (see table).
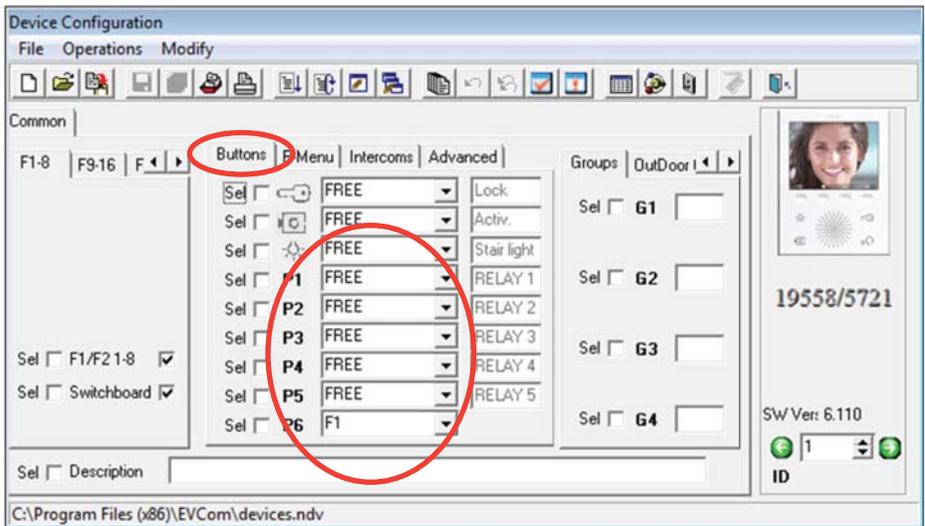
Fig. 79

Function	Function	Relay ID
P1	AUX1	ID0
P2	AUX2	ID0
P3	AUX3	ID1
P4	AUX4	ID1
P5	AUX5	ID2
P6	AUX6	ID2

Configuration of the video door entry unit
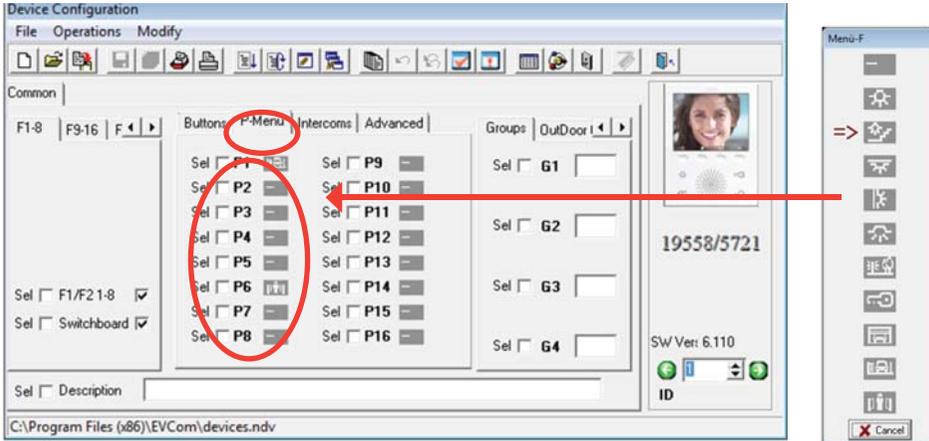
Fig. 80

After activating the icons in "P menu" (figure 80), the indications referring to the activated functions will appear in the "Buttons menu" (figure 81; RELAY 1 ... RELAY 5 in the example image).
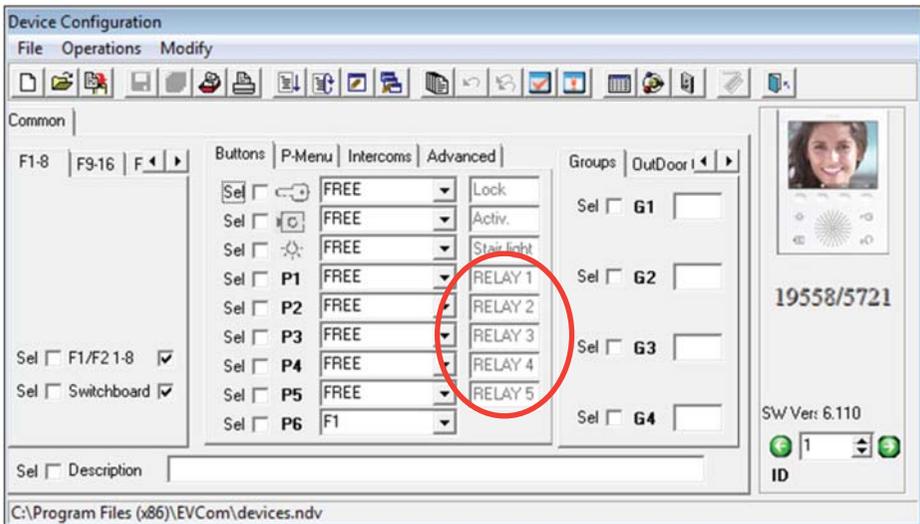
Fig. 81

NOTE: for information regarding ID assignment, please refer to the relay product instruction manual.

Configuration of the video door entry unit

Configuration methods for functions assigned to buttons P1, ... P6, "listbox reconfiguration description"

The Default configuration (FREE) in the "listbox" can be modified; the "P functions" can perform "F1, F1/PANEL, F2, F2/PANEL" functions (see description in the table).

Also in this case, an icon must be assigned to mark the correspondence between the Buttons menu and P menu (if, for example, P2 is modified in the "Buttons menu" with F1 assigned to it, an icon must be assigned to P2 in the "P menu").

FUNCTION	DESCRIPTION
FREE	No function assigned for buttons P1 to P6.
F1	Activation of function F1 for the current or last entrance panel connected.
F1/PANEL	Activation of function F1 for a specific entrance panel. The ID number should be entered in the box.
F2	Activation of function F2 for the current or last entrance panel connected.
F2/PANEL	Activation of function F2 for a specific entrance panel. The ID number should be entered in the box.

Fig. 82

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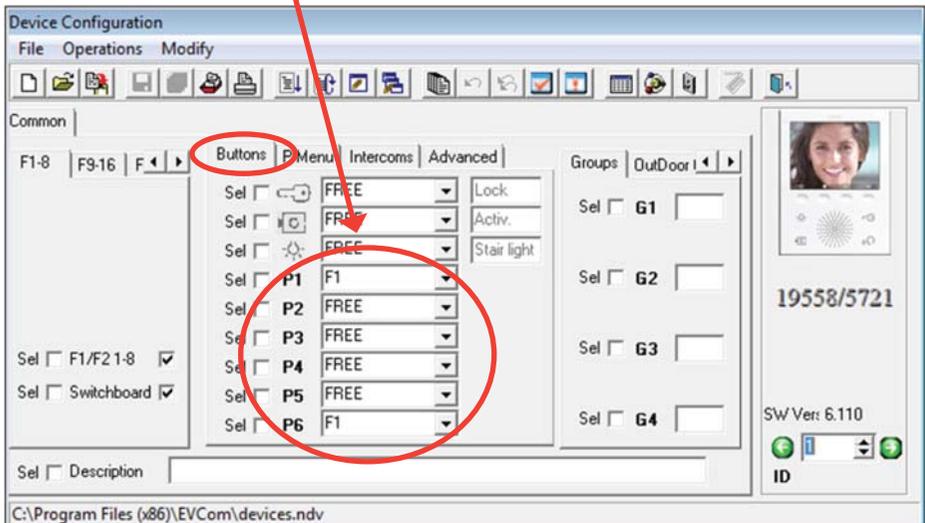
Configuration of the video door entry unit
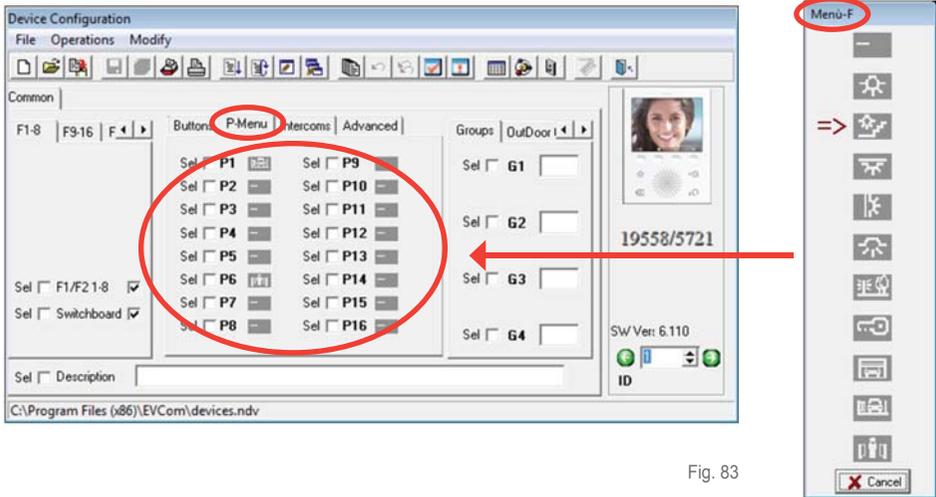
Fig. 83

Configuration of the video door entry unit

Configuration methods for functions assigned to buttons P7, ... P16

Functions P7 to P16 cannot be configured but can still be activated; also in this case, an icon must be assigned to mark the correspondence between the Buttons menu and P menu.
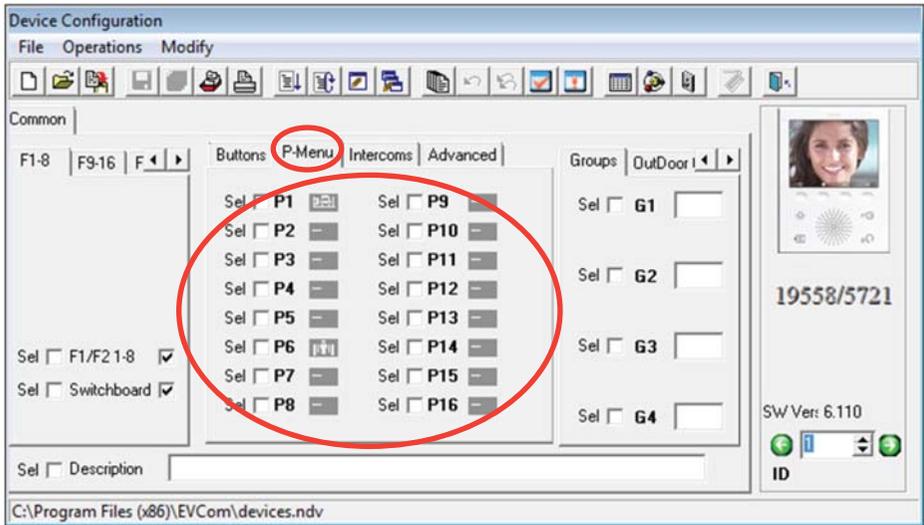
Fig. 84

The buttons, functions and ID codes to be configured on the 69PH products are listed in the table. For detailed information regarding ID assignment, please refer to the 69PH relay product instructions

Function	Function	Relay	Relay ID
P7	AUX 7	RL 7	ID3
P8	AUX 8	RL 8	ID3
P9	AUX 9	RL 9	ID4
P10	AUX 10	RL 10	ID4
P11	AUX 11	RL 11	ID5
P12	AUX 12	RL 12	ID5
P13	AUX 13	RL 13	ID6
P14	AUX 14	RL 14	ID6
P15	AUX 15	RL 15	ID7
P16	AUX 16	RL 16	ID7

Configuration of the video door entry unit

Intercom calls

The monitor can be programmed with a list of 9 intercom calls. A tenth is added automatically if the porter switchboard Art. 945F is part of the system.

Calls are indicated with progressive numbers from 1 to 9.

Neither the ID nor an alphabetic indication is displayed at the user's end.
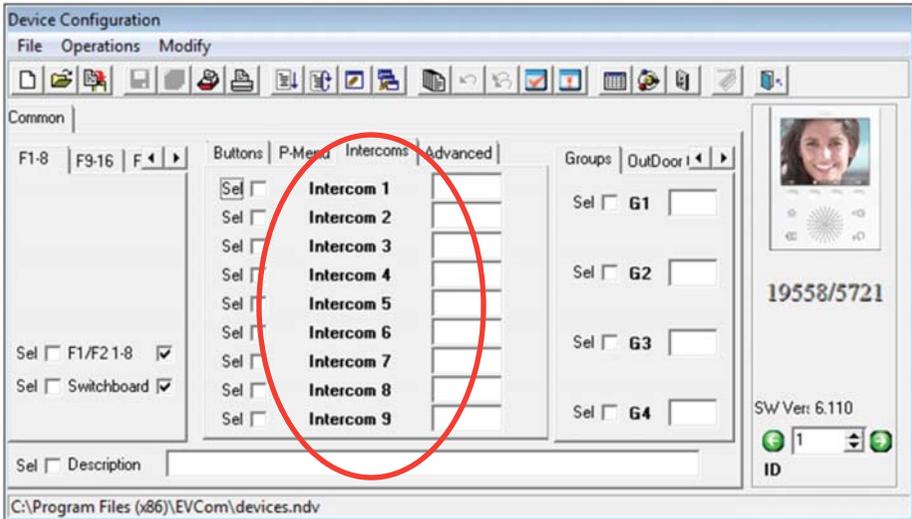
Fig. 85

Configuration of the video door entry unit

Reset PIN code

If the default PIN code (000) is changed and forgotten, it will no longer be possible to configure the monitor using its keyboard and display.

Select this check box to force restoring of the PIN to its default value, which is 000.
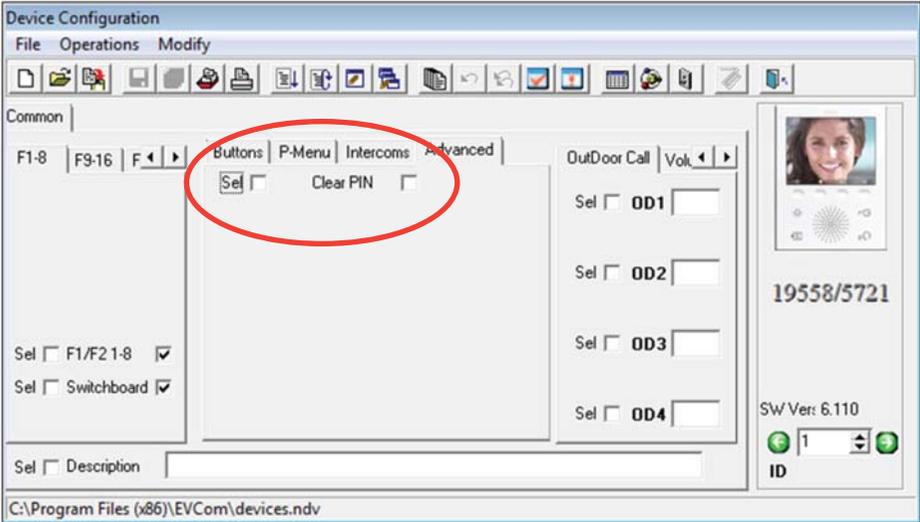
Fig. 86

Configuration of the video door entry unit

Setting group calls.

This allows you to configure up to 4 different groups (G1, G2, G3 and G4).
Each device can be associated with one group, indicating the identification code of the master in the fillable fields.
When the master receives a call, depending on the programming, the other devices in the Group will also be activated or they will ring without activation,
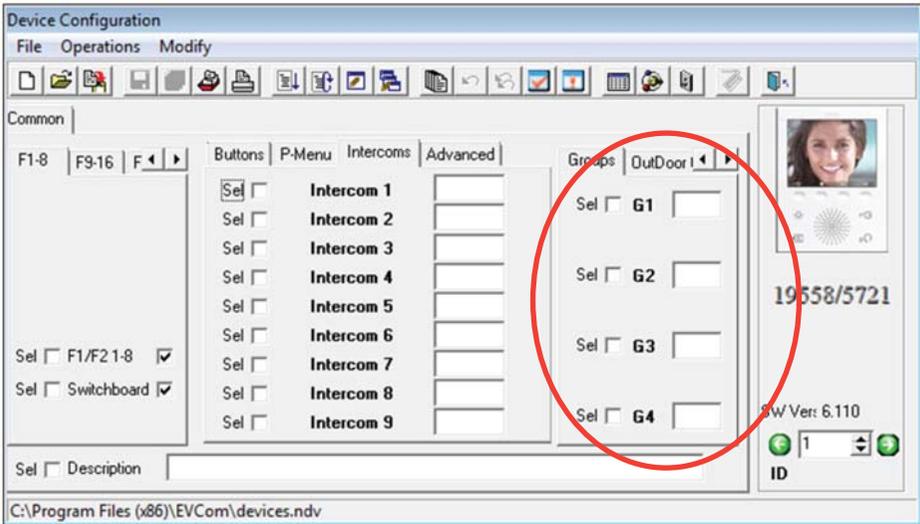
Fig. 87   **Group Calls**

Configuration of the video door entry unit

Associating landing calls.

This is used to assign the ID of the landing call buttons from which the video door entry unit can receive a call, indicating it in the fillable fields.
Each video door entry unit can be configured to receive up to 4 different calls from the landing call buttons.
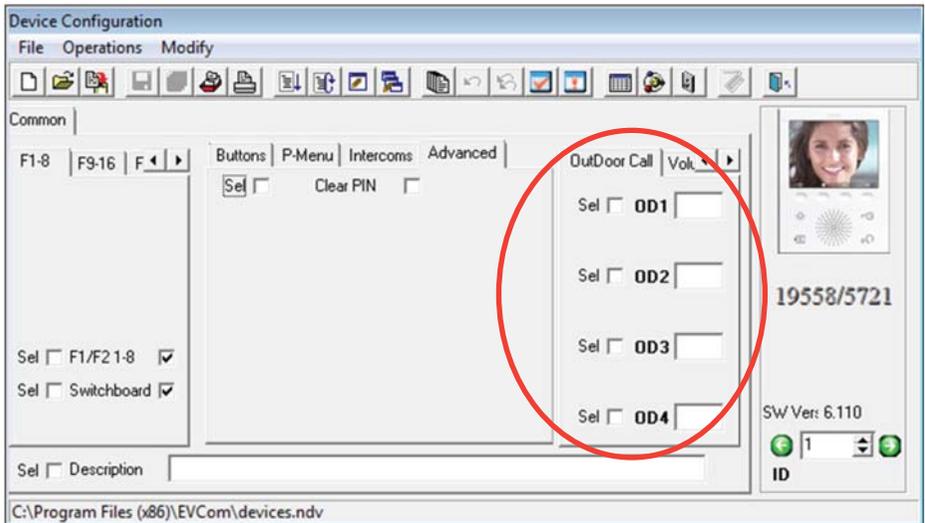
Fig. 88   **Associating Landing Calls**

Configuration of the video door entry unit

Setting and adjusting ringtones.

This is used to set the ringtones of the different incoming calls to the video door entry unit (from the entrance panel, landing call or intercom call) to differentiate the sounds so as to recognize them acoustically. It is also possible to vary and set the volume for each ringtone.

Ringtone	Identifier	Description
Ringtone 0	A	Trill
Ringtone 1	B	Muffled trill, intermediate pause
Ringtone 2	C	Bright trill, short pause
Ringtone 3	D	Muffled trill, medium pause
Ringtone 4	E	Telephone trill
Ringtone 5	F	Muffled trill, long pause
Ringtone 6	G	Ding dong
Ringtone 7	H	"Bright" ding dong
Ringtone 8	I	Ding dong dang
Ringtone 9	J	"Bright" ding dong dang

Example of setting ringtones with "EVCom":
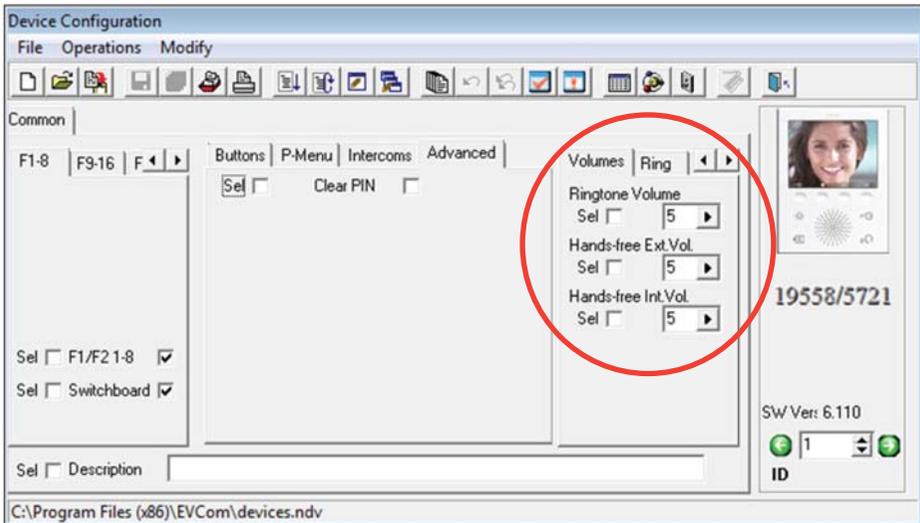
Fig. 89

Configuration of Ringtones

Configuration of the video door entry unit

Setting the video parameters.

This is used to set the video adjustment levels (brightness and contrast) of the monitor of the video door entry unit.

Example of brightness and contrast adjustment with "EVCom":
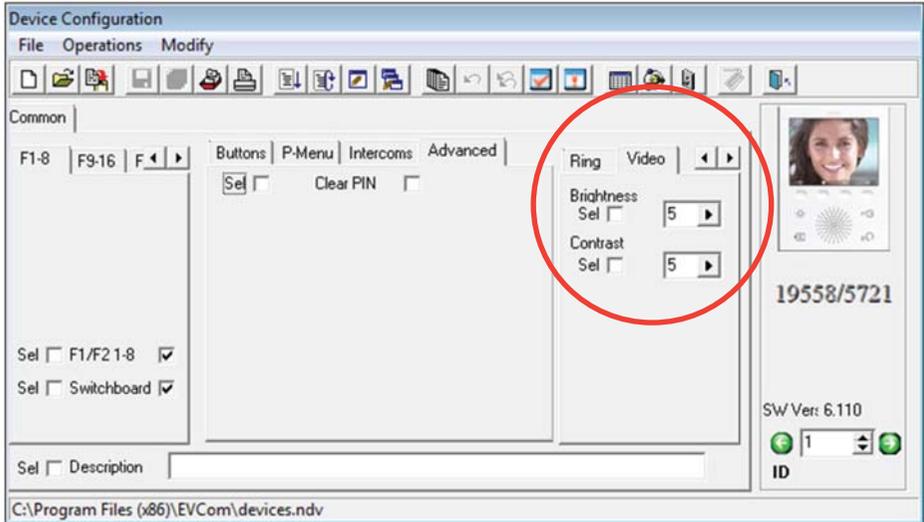
Fig. 90 **Video Adjustments**

N.B. For all the details about using the "EVCom" software, see the relevant manual.

Configuration of the video door entry unit

Resetting configurations.

This procedure allows you to delete the settings and programming done on the video door entry unit and bring it back to the initial default operating conditions.

Starting from the **Configuration** menu (fig. 35), use **B** and **C** to select the icon and tap the softkey **D** to confirm (fig. 91).

Lastly tap **D** to confirm the reset operation (fig. 92).
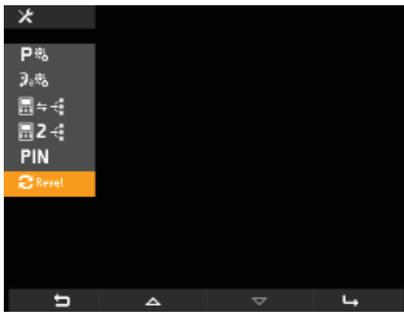
Fig. 91 - Selecting the "Reset" option

Fig. 92 - Confirming Reset

Installation rules and compliance with regulations

Integrating the video door entry unit with the By-me system.

The video door entry unit 5721 is designed to be incorporated into the By-me home automation system by adding the module 01965 (control of lights and blinds, intrusion detection alarm system, temperature control, load control, automation, etc.).

If the video door entry unit is also connected to the automation system, 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.

Integrating the home automation module 01965 requires using a supplementary power supply art. 6923.

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.

Regulatory compliance.

EMC directive.
Standards EN 50428, EN 50486, EN 50428, EN 50491.

Glossary

Glossary

Softkey.
Touch button. Unlike a traditional button on which you need to apply a certain pressure, a function associated with a softkey is activated by simply placing a finger on the softkey.

Panel.
Set of audio and video devices that allow identifying the party asking to enter the dwelling via the speech unit.

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 a lock, lighting stairs, intercom call, self-start, etc.

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

IN-OUT connection.
Connection of devices through which terminals 1 and 2 function as a node between the incoming pair and the outgoing pair.

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

Column.
Set of backbones derived from a column interface or a speech unit interface.

Shunt.
Two-wire line coming out of a distributor or divider, to which the indoor stations are connected.

Termination.
Impedance which must be configured by using the jumpers or dip-switches. It enables keeping the characteristic impedance of the pillar or shunt.

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

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

Glossary

Master.
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. If we talk about a "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 (some settings can be made directly by the user).

Advanced programming.
Programming the optional functions of a device done only by the installer with the aid of additional tools such as programmers or PCs equipped with dedicated software.

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