VIDEX®
TECHNOLOGY FOR THE FUTURE
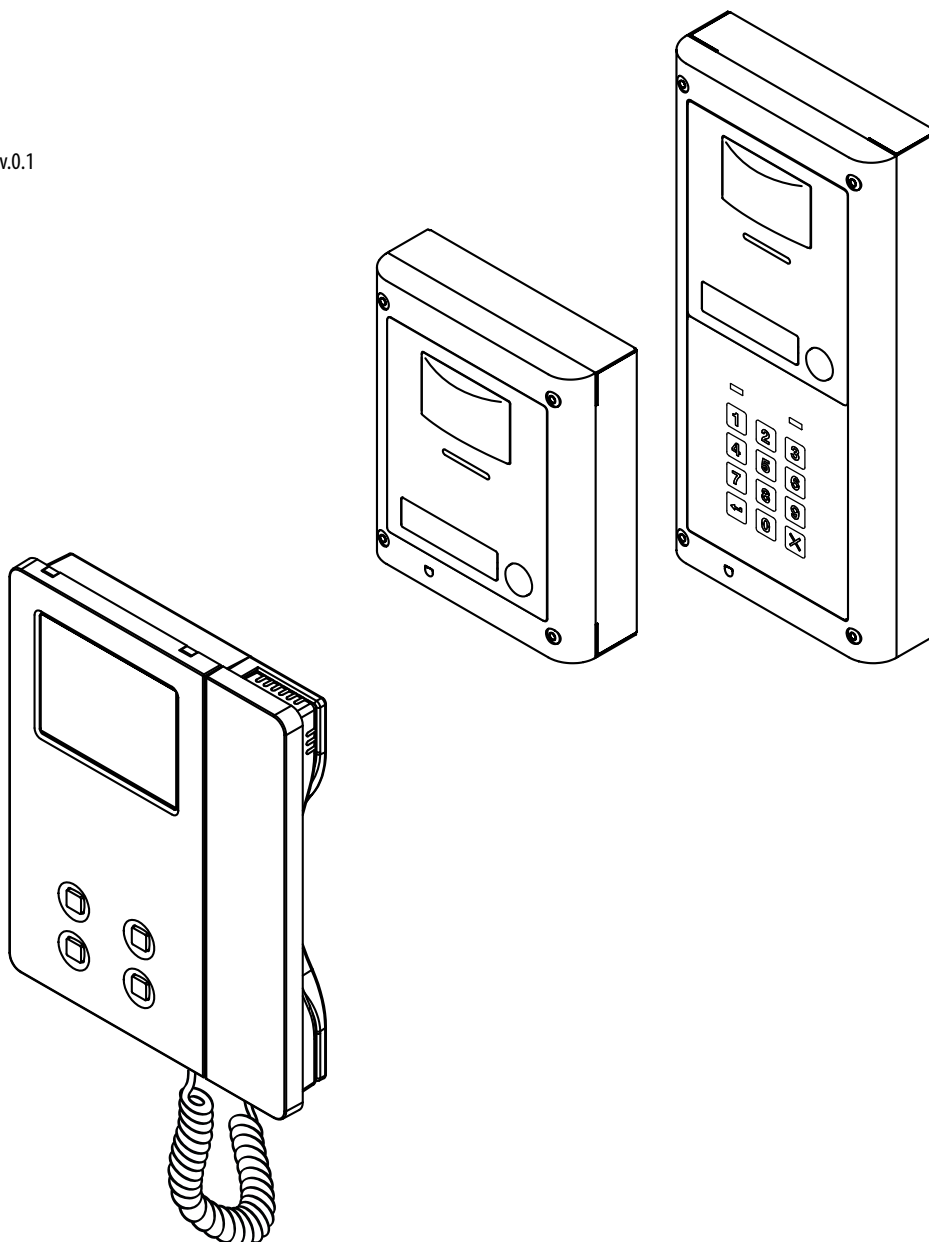
VIDEOKIT
IPVK/6296 SERIES
IP one way, two way videokit

IPVK
IPVKC Rev.0.1

IP
videokit
by VIDEX®

Installation handbook

⚠️ **We recommend**
This equipment is installed by a Competent Electrician, Security or Communications Engineer.

Index

INSTALLATION DIAGRAMS - NOTES AND SUGGESTIONS

- All diagrams refer to all kit versions: flush or surface.
- Dashed connections refer to optional connections ("Local bell", "Push to exit" & "Door monitor").
- Some diagrams show how to connect a 12Vdc electric lock: these directions are suitable for all diagrams in this manual.
- All diagrams shown are valid for systems with surface or flush mount door station.
- To install this equipment are required expertises in the field of information and networking technologies.

DECLETION OF RESPONSIBILITY

This manual has been written and revised carefully. The instructions and the descriptions which are included in it are referred to VIDEX parts and are correct at the time of print. However, subsequent VIDEX parts and manuals, can be subject to changes without notice. VIDEX Electronics S.p.A. cannot be held responsible for damages caused directly or indirectly by errors, omissions or discrepancies between the VIDEX parts and the Manual.

> ⚠ **WE RECOMMEND**
> **This equipment is installed by a Competent Electrician, Security or Communications Engineer**

To download the programming software **VX IP Wizard** and obtain the latest firmware and manuals please visit the following website and register

https://service.videx.it/

MORE INFORMATION ON PAG. 32 OF THIS MANUAL.
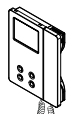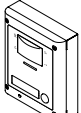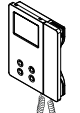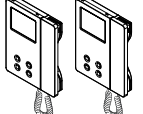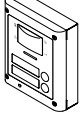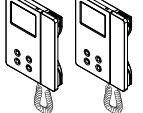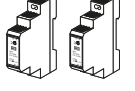
System components and available versions
IPVK/6296 Colour videokit.

OUTDOOR STATION

Camera unit
Art. 4533
pag. 5

135,0

160,0

45,0 22,7

143,0

15,7

50

43,8

120,0

45,0

INDOOR STATION
Videophone
Art. 6296
pag. 16

ACCESSORIES
Power supply
Art. HDR-15-12

Flush Mounting   **Surface Mounting**

Fig. 1 - IPVK/6296 components (measures in mm)

ONE WAY VERSIONS	**IPVK-1/6296 - flush mounting**		
	1 Outdoor station composed of: 1 Art. 4533-1: 1 button camera unit 1 Art. 4851: Flush mounting box	**1 Colour videophone** Art. 6296	**1 Power supply** Art. HDR-15-12
	IPVK-1S/6296 - surface mounting		
	1 Outdoor station composed of: 1 Art. 4533-1: 1 button camera unit 1 Art. 4881: Surface mounting box	**1 Colour videophone** Art. 6296	**1 Power supply** Art. HDR-15-12

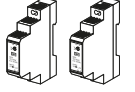| TWO WAY VERSIONS	**IPVK-2/6296 - flush mounting**		
	1 Outdoor station composed of: 1 Art. 4533-2: 2 buttons camera unit 1 Art. 4851: Flush mounting box	**2 Colour videophones** Art. 6296	**2 Power supplies** Art. HDR-15-12
	IPVK-2S/6296 - surface mounting		
	1 Outdoor station composed of: 1 Art. 4533-2: 2 buttons camera unit 1 Art. 4881: Surface mounting box	**2 Colour videophones** Art. 6296	**2 Power supplies** Art. HDR-15-12
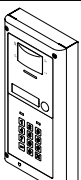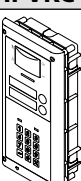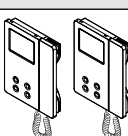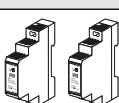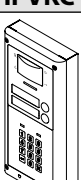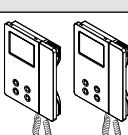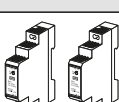
IPVKC/6296 Colour videokit plus a codelock module.

OUTDOOR STATION

Camera unit
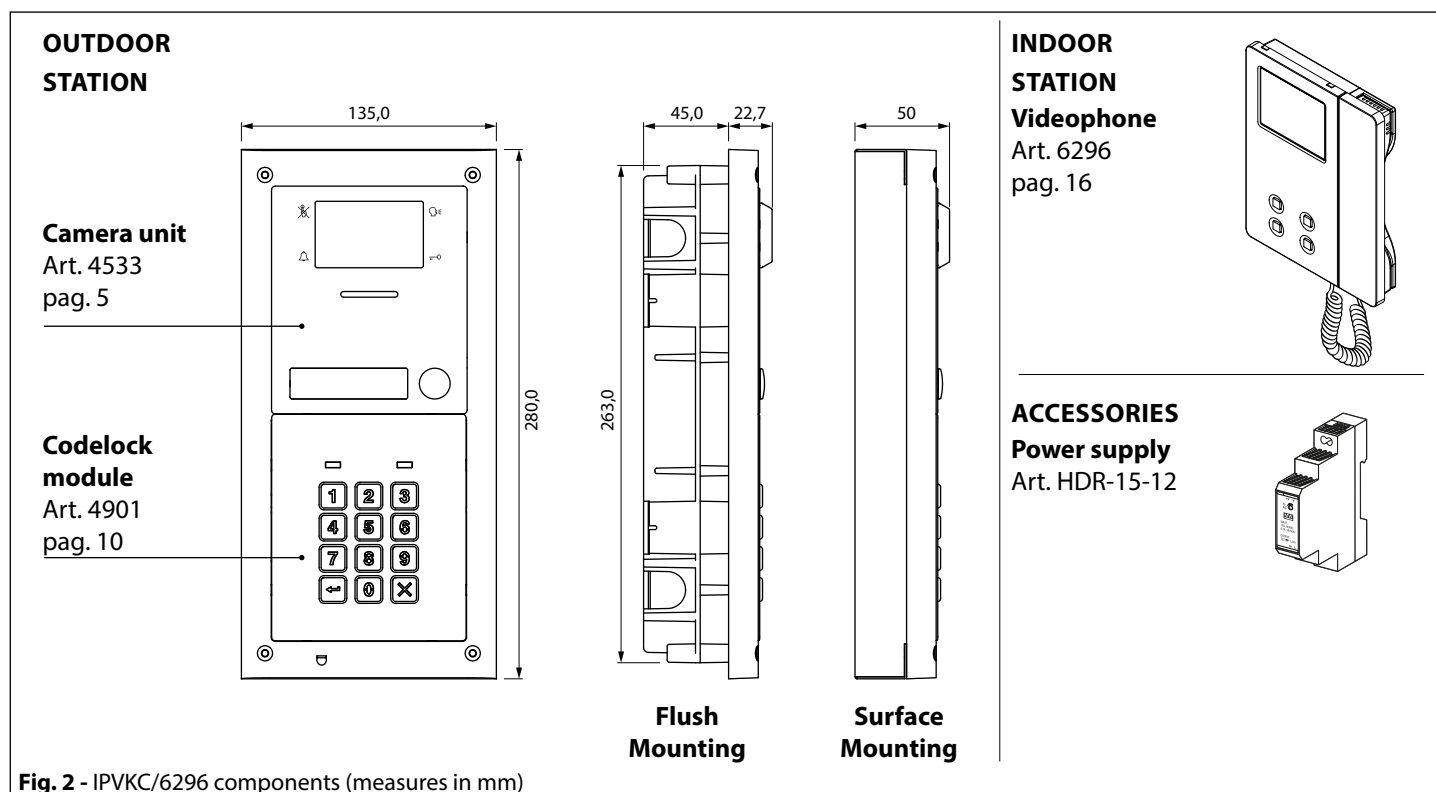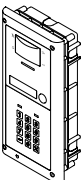Art. 4533
pag. 5

Codelock module
Art. 4901
pag. 10

135,0
45,0   22,7   50
280,0
263,0

Flush Mounting   **Surface Mounting**

INDOOR STATION
Videophone
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ACCESSORIES
Power supply
Art. HDR-15-12

Fig. 2 - IPVKC/6296 components (measures in mm)

	IPVKC-1/6296 - flush mounting		
ONE WAY VERSIONS	**1 Outdoor station** composed of: 1 Art. 4533-1: 1 button camera unit 1 Art. 4901: Codelock module 1 Art. 4852: Flush mounting box	**1 Colour videophone** Art. 6296	**1 Power supply** Art. HDR-15-12
	IPVKC-1S/6296 - surface mounting		
	1 Outdoor station composed of: 1 Art. 4533-1: 1 button camera unit 1 Art. 4901: Codelock module 1 Art. 4882: Surface mounting box	**1 Colour videophone** Art. 6296	**1 Power supply** Art. HDR-15-12
TWO WAY VERSIONS	**IPVKC-2/6296 - flush mounting**		
	1 Outdoor station composed of: 1 Art. 4533-2: 2 buttons camera unit 1 Art. 4901: Codelock module 1 Art. 4852: Flush mounting box	**2 Colour videophones** Art. 6296	**2 Power supplies** Art. HDR-15-12
	IPVKC-2S/6296 - surface mounting		
	1 Outdoor station composed of: 1 Art. 4533-2: 2 buttons camera unit 1 Art. 4901: Codelock module 1 Art. 4882: Surface mounting box	**2 Colour videophones** Art. 6296	**2 Power supplies** Art. HDR-15-12

Art. 4533 Speaker unit with built-in camera
Art. 4533X Speaker unit with built-in camera & proximity key readeri

Rev.0.1

Fig. 1 Front

Fig. 2 Back

DESCRIPTION

Speaker unit module for IP systemwith built-in wide colour camera with autoiris lens and white light illumination LEDs. Depending on the speaker unit version it includes zero, one or two call push buttons. Art. 4533X versions are also equiped with a built-in proximity key reader and programming modes.

The unit circuitry incorporates:

- The transmitting amplifier with microphone and volume control;
- The receiving amplifier with volume control;
- Two enslavement relay to enable electric lock and an additional service (3 contacts each: common, normally open and normally closed).
- The call buttons from 0 to a maximum of 2 depending on the module version;
- The illumination LEDs for the card name holder;
- The camera comprised of illumination LEDs.

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LEGEND
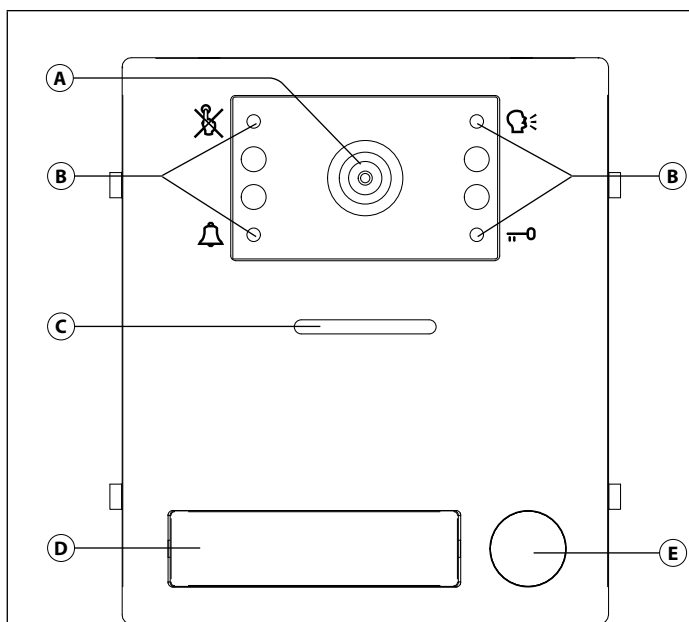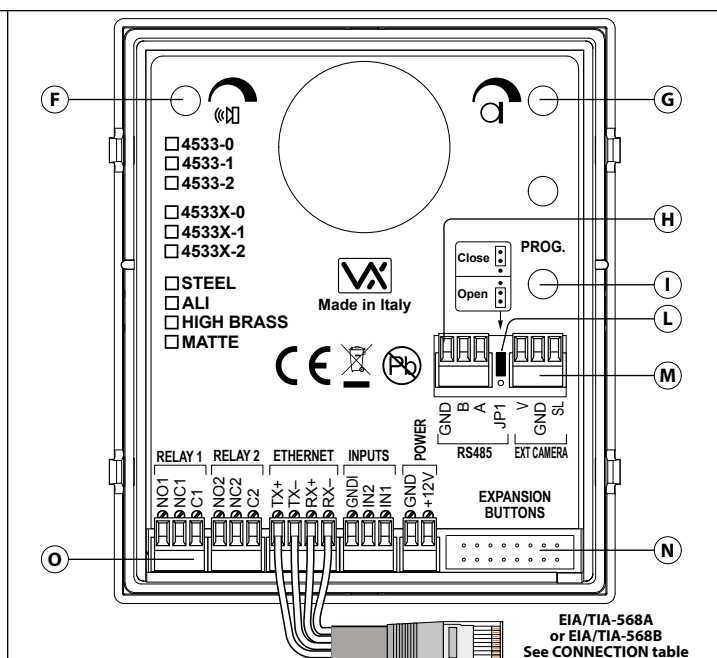
- Ⓐ Camera with illumination LEDs
- Ⓑ Operation LEDs
- Ⓒ Loudspeaker
- Ⓓ Card name holder with built in-in proximity key reader (only Art. 4533X versions)
- Ⓔ Call push button (0, 1 or 2 depending on the model)
- Ⓕ Loudspeaker volume
- Ⓖ Microphone volume control
- Ⓗ RS485 connection terminals
- Ⓘ Boot loader push button for firmware update
- Ⓛ RS485 termination jumper
- Ⓜ External camera connection terminals
- Ⓝ Button expansion modules connector
- Ⓞ System connection terminals

AVAILABLE VERSIONS
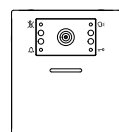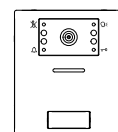
Art. 4533-0   **Art. 4533X-0**   **Art. 4533-1** / **Art. 4533X-1**   **Art. 4533-2** / **Art. 4533X-2**

LEDS

🔕	Flashes when the called indoor station is busy. The LED will be off when the system is in stand-by.
🔔	If illuminated, indicates that the call from the outdoor station is in progress. The LED will switch OFF when the call is answered or expired the call time without any answer.
🗣	If illuminated, indicates that it is possible to speak because the call has been answered. The LED will switch OFF at the end of a conversation (or at the end of the conversation time).
🔓	If illuminated, indicates that the door lock has been operated. It will switch OFF at the end of the programmed "door opening" time.

CONTROLS

ⓐ	**Microphone volume** Adjust the microphone volume. Rotate clockwise to increase or anti-clockwise to decrease
«🔊	**Loudspeaker volume** Adjust the loudspeaker volume. Rotate clockwise to decrease or anti-clockwise to increase

Art. 4533 Speaker unit with built-in camera
Art. 4533X Speaker unit with built-in camera & proximity key reader

PROGRAMMING

The programming of the module is carried out through the VIDEX IP Wizard software. There are some adjustments available directly on the module:

- Microphone volume through the relevant trimmer;
- Speaker volume through the relevant trimmer;
- RS-485 connection termination.

For the module programming refer to the section VIDEX IP Wizard.

CONNECTION

EIA/TIA-568A
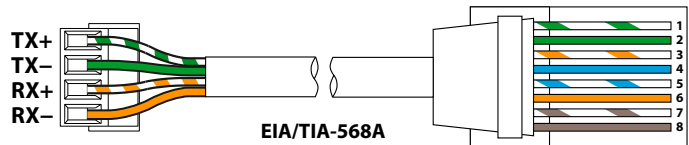
EIA/TIA-568A

4533 signals	RJ-45 pin
TX+	PIN 1 - White-green
TX−	PIN 2 - Green
RX+	PIN 3 - White-orange
RX−	PIN 6 - Orange

EIA/TIA-568B

EIA/TIA-568B
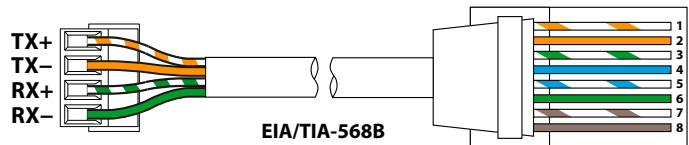
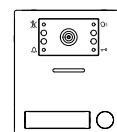| 4533 signals	RJ-45 pin
TX+	PIN 1 - White-orange
TX−	PIN 2- Orange
RX+	PIN 3 - White-green
RX−	PIN 6 - Green

OTHER STANDARD CABLES
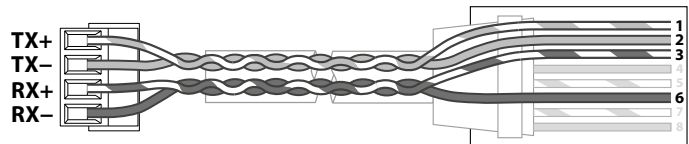
4533 signals	RJ-45 pin	
TX+	PIN 1	Twisted pair
TX−	PIN 2	
RX+	PIN 3	Twisted pair
RX−	PIN 6	

J2 AND J1 JUMPERS BACKLIT LEDS SETTINGS

For proper functioning please set **J2** and **J1** jumpers of any connected button expansion module Art. 404X as shown in the table aside.

J2	J1
◻▬◼	◻▬◼
B A	B A

OPERATION

The system operation is supported by the built-in LED.

- When a visitor press a call button the units emits an intermittent deep call tone and in correspondence with the tone the 🔔 red LED flashes (**Fig. 3**) until the resident answer or the programmed call time expires.
- If the called indoor station is busy the 🔔 red LED flashes (**Fig. 4**) 4 times quickly and the unit emits a deep tone on each flash.
- When the resident answers, the 🗣 yellow LED (**Fig. 5**) illuminates and remains illuminated until the conversation terminates.
- If the resident open the door, the 🔓 green illuminates (**Fig. 6**) for the programmed door opening time.

ERROR MESSAGES

The LED 🔔 is used also to provide error messages concerning system misfunctions:

- A fast flashing LED shows connection to the push notification service is being made. This should only be temporary; if this persists then there is something not working correctly;
- Slow flashing means that the gateway set cannot be reached;
- fixed on means that the SIP server cannot be reached or connection not allowed because of wrong credentials.
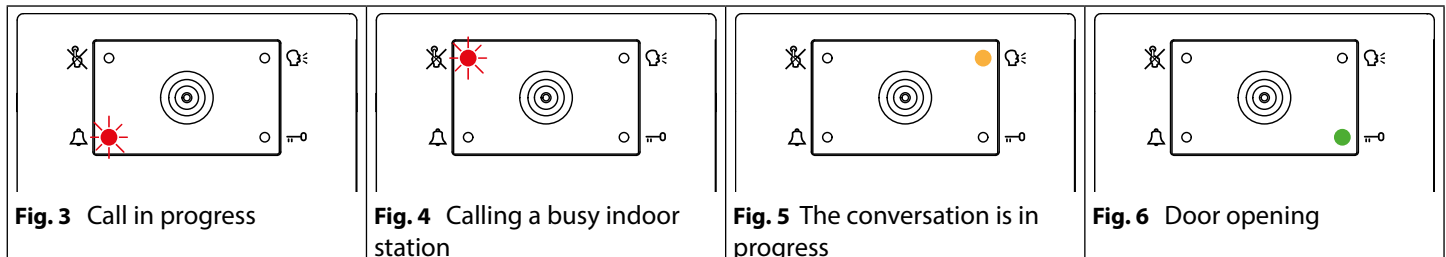
Fig. 3 Call in progress

Fig. 4 Calling a busy indoor station

Fig. 5 The conversation is in progress

Fig. 6 Door opening

Art. 4533 Speaker unit with built-in camera
Art. 4533X Speaker unit with built-in camera & proximity key reader

PROGRAMMING TAGS (ONLY ART. 4533X VERSIONS)

The programming of the tags is carried out through the VIDEX IP Wizard software.

USING TAGS

Place a tag in front of the tag reader:

↳ If the tag is programmed, the external module emits two high-pitched **"beeping"** sounds and its relay is activated.

BIP BIP

↳ If the tag is not programmed, the external module emits three low-pitched **"beeping"** sounds and its relay is not activated.

BIP BIP BIP

FACTORY DEFAULT PROCEDURE FOR ENTRANCE PANEL SUPPLIED WITH VIDEOKITS

The following procedure can be used to reset and pair the videophone and entrance panel supplied in a one apartment or two apartment kit. Once paired the door panel will call the videophones without any further setup required. Additional setup is optional to set device names, specific IP addresses etc. The default IP addresses are:

Entrance panel 192.168.1.180 // **Videophone 1** 192.168.1.181 // **Videophone 2** 192.168.1.182

4533 DOOR PANEL RESET FOR ONE OR TWO APARTMENT VIDEO KIT

The door panel is required to be open for this procedure.

1. Power down the door station;
2. Restore the power keeping pressed Call Button 1 (Bottom button on a 2 button panel **Fig. 7**) until the 🔔 (red) and ⌐0 (green) led's start flashing together (**Fig. 8**)*;
3. Press the boot loader button once (inside the panel) (**Fig. 9**), the red 🔔 LED will stop flashing while the green ⌐0 LED continues flashing together with the yellow ◔≶ LED (**Fig. 10**);
4. Press call button 1 (**Fig. 11**) for a one way videokit otherwise press call button 2 (**Fig. 12**) for a two way video kit;
5. When the button is released, the door panel emits one long beep for one way videokit or two long beeps for two way videokit then reboots with the new settings.

* If the door panel is connected to the cloud, the 0⌐ LED will flash twice and the panel will reboot without changing your settings. In this case, the IP wizard must be used to make any changes to the door panel settings.
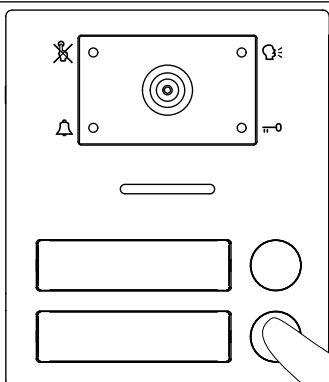
Fig. 7 Keep pressed button 1
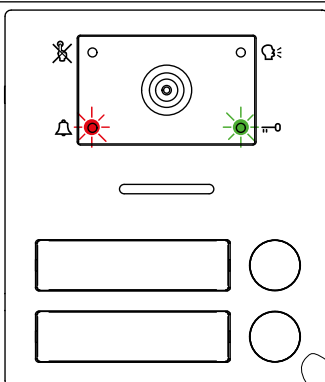
Fig. 8 Bell & Key LEDs flashing
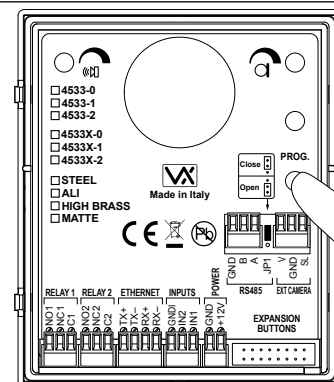
Fig. 9 Press the boot loader button (back of the module)
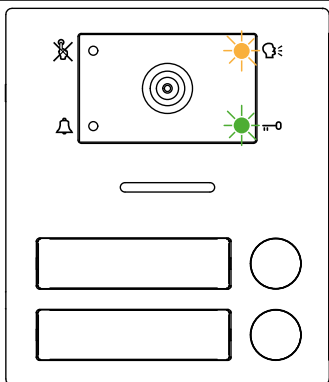
Fig. 10 Speech & Key LEDs flashing
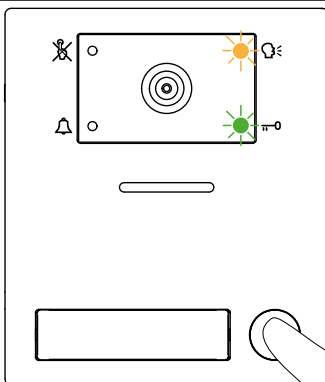
Fig. 11 One way videokit

Fig. 12 Two way videokit
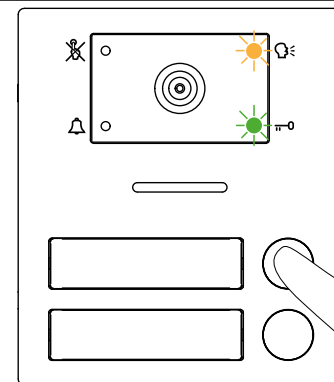
IPVK/6296 Series IP videokit
Art. 4533 Speaker unit with built-in camera
Art. 4533X Speaker unit with built-in camera & proximity key reader
ENG
VIDEX®
THE POWER TO SECURE

ENABLE BOOTLOADER MODE

In case of firmware update failure (i.e. because of mains failure or cable disconnection during the update etc.) and the door panel is no longer recognised by the Videx IP Wizard software, you can try to restore it by manually putting it into boot mode. It is strongly recommended that this operation is carried out by a qualified engineer and in any case after a contact with Videx support.

- Disconnect the door panel from the power supply.
- Press and keep pressed the Ⓘ button (**Fig. 2 on page 5**) then connect again the power supply source.
- The door panel will go into boot mode which is indicated by the four LED's flashing alternatively (**Fig. 13**).
- Now proceed using the utility "VidexFirmwareUpdater.exe" to upload the firmware to the device.
- If the update process terminates correctly, the device should be restored and ready to work.
- If the device still does not work, please contact the supplier to proceed according to the warranty terms.
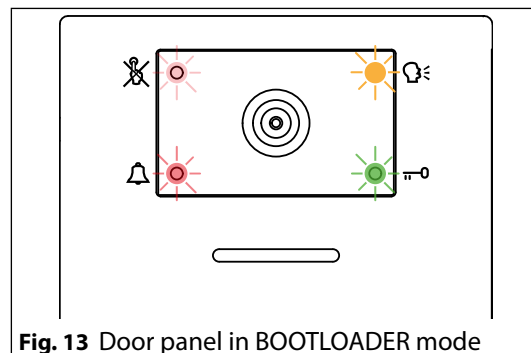
Fig. 13 Door panel in BOOTLOADER mode

CAMERA NOTES

FIELDS OF VIEW

The fields of view for standard camera are 55° for vertical angle and 115° for horizontal angle while for Wide Angle camera are 80° for vertical angle and 170° for horizontal angle.
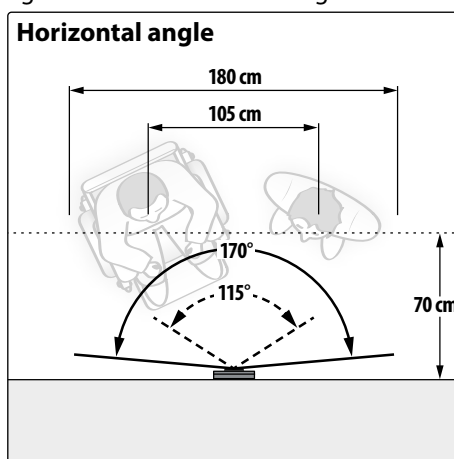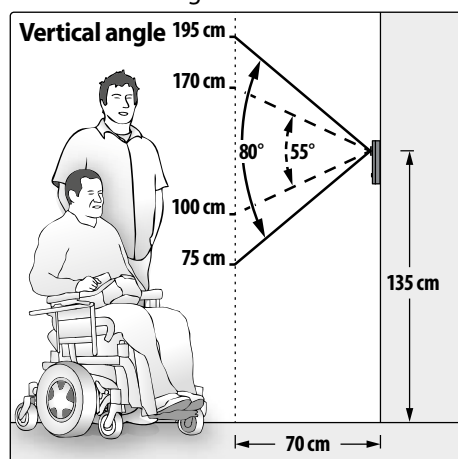
- - - - Standard camera ——— Wide Angle camera

MAXIMUM ILLUMINATION DISTANCE FROM CAMERA AT NIGHT

The illumination LED's within the camera will illuminate the visitor when they are within 50 cm of the camera.
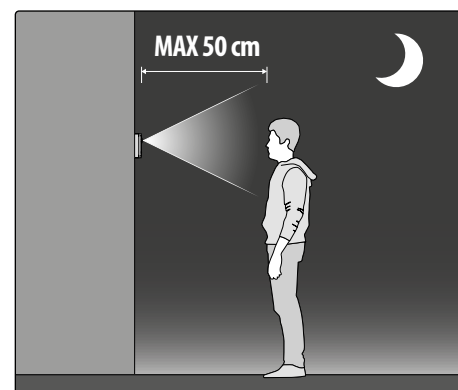
ADHESIVE GASKET PLACEMENT

Apply the Ⓨ seal as shown in **Fig. 14**.

ANTI-TAMPERING LOCKS FIXING

Fit the anti-tampering locks Ⓦ as shown in **Fig. 15**.
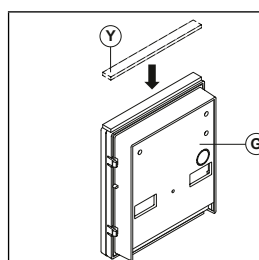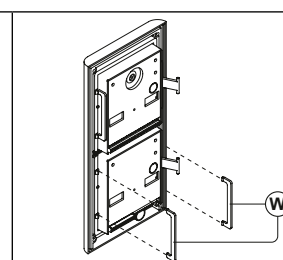
Fig. 14 **Fig. 15**

HOW TO REMOVE/INSERT THE CARD NAME HOLDER

- To avoid damage to the module front plate, mask the side that will be in contact with the screwdriver blade;
- Insert the screwdriver (flat side) into the card-holder hole as shown in **Fig. 16**;
- Move the screwdriver to the left as shown in **Fig. 17** to extract the card name holder;
- Edit the card name then replace it inside the holder and refit: insert the holder inside its housing from the left or right side then push the other side until it clips into place.
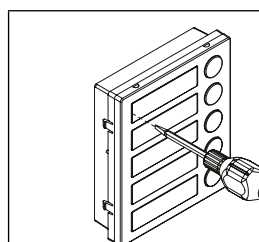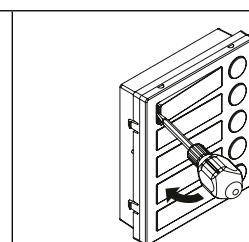
Fig. 16 **Fig. 17**

Art. 4533 Speaker unit with built-in camera
Art. 4533X Speaker unit with built-in camera & proximity key reader

CONNECTION TERMINAL SIGNALS

EXT CAMERA	**SL**	Active low output enabled when the external video input is in use	
	GND	Composite video signal ground reference	
	V	Composite video signal input	

RS485	**A**	RS-485 Connection (termination adjusted through the JP1 jumper)
	B	
	GND	

POWER	**+12V**	12Vdc 400mA power supply input
	GND	

INPUTS	**IN1**	Active low input 1 (when enabled activate the programmed output)
	IN2	Active low input 2 (when enabled activate the programmed output)
	GNDI	Ground for **IN1** and **IN2** inputs

ETHERNET	**RX−**	Ethernet Connection Orange (568A)
	RX+	Ethernet Connection White/Orange (568A)
	TX−	Ethernet Connection Green (568A)
	TX+	Ethernet Connection White/Green (568A)

RELAY 2	**C2**	Relay 2 common contact	**Max 12-24 Vac/dc 0.4A**
	NC2	Relay 2 normally closed contact	
	NO2	Relay 2 normally open contact	
RELAY 1	**C1**	Relay 1 common contact	
	NC1	Relay 1 normally closed contact	
	NO1	Relay 1 normally open contact	

TECHNICAL SPECIFICATION

Video codec:	H.263
	H.263+
Supported resolutions:	352x288 (CIF) used in SIP standard mode
	320x240 used between Videx devices and app
	176x144 (QCIF) used in SIP standard mode
Audio codec:	G.711 µ-law, A-law
Sampling frequency:	8 khz
SIP compatibility:	SIP 2.0
Power Supply:	12Vdc - 400mA
Power consumption:	Stand by: 250mA
	Operating: 380mA
Working Temperature:	-10 +50 °C

CLEANING OF THE PLATE

Use a clean and soft cloth. Use moderate warm water or non-aggressive cleansers.

Do not use:
- abrasive liquids;
- chlorine-based liquids;
- metal cleaning products.

Art. 4901 Digital codelock module

Rev.0.1
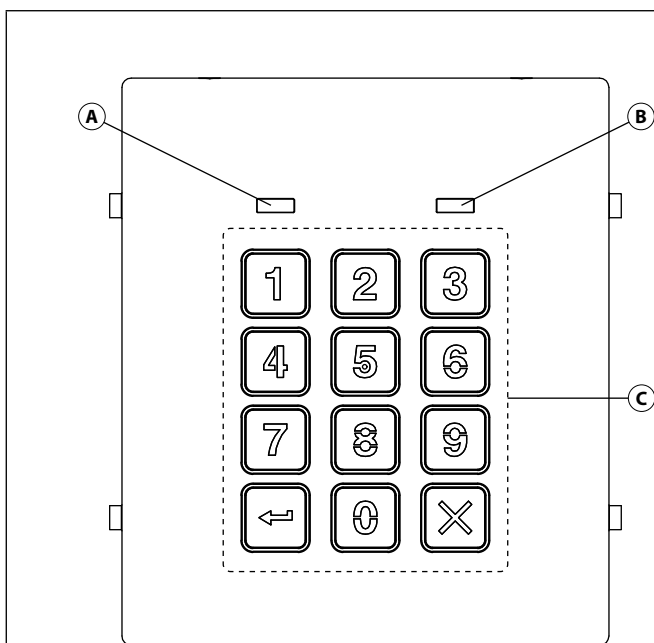
Fig. 1 Front
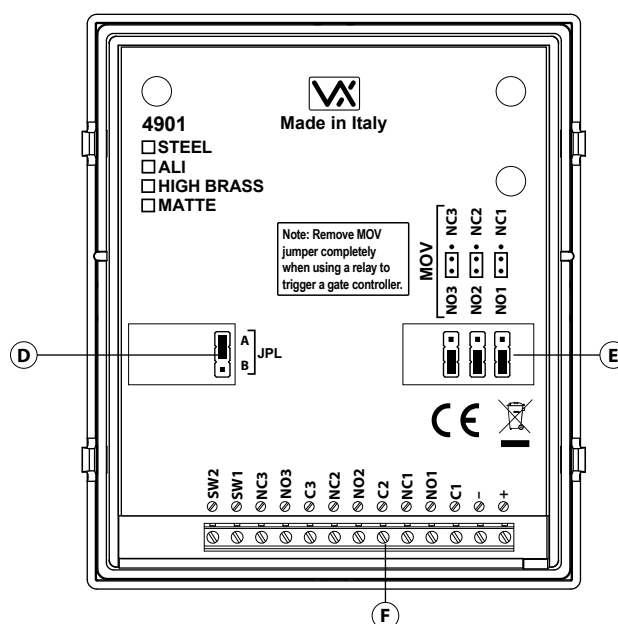
Fig. 2 Back

DESCRIPTION

The Art.4901 is manufactured from 316 grade brushed stainless steel and the module features 12 stainless steel buttons, backlit in blue (Keys **0 - 9**, **ENTER** and **CLEAR**) and 2 LED's for progress information during use and programming. With three integral relays each with common, normally open and normally closed connections and two inputs to enable the external triggering of relays one and two (for example, push to exit button). Key presses are signalled both acoustically and visually while each button press has a tactile feel. Entering the correct code followed by **ENTER** will activate the relevant relay. Programming is carried out through the same keypad following a simple programming menu. The module can be combined with other 4000 Series modules in an audio or video intercom system.

LEGEND

- **A** Green LED
- **B** Red LED
- **C** Backlit keypad
- **D** JPL jumper
- **E** MOV jumpers
- **F** Connection terminals

MAIN FEATURES

- 3 **C**, **NC**, **NO** relay outputs (24Vac/dc – 5A max);
- 3 Programmable secret codes (one for each relay);
- Each relay can be set to be activated for a specific time (01 to 99 seconds) or to work as latch;
- Two active low inputs to command directly the relay 1 and 2;
- Programming menu guarded by a 4-8 digit programmable engineer's code;
- Visual and Acoustic signal during operating and programming;
- Keypad illumination LEDs;

GENERAL DIRECTIONS FOR INSTALLATION

In order to achieve the best results from the schematics described it is necessary to install only original VIDEX equipment, strictly keeping to the items indicated on each schematic and follow these General Directions for Installation:

- The system must be installed according to national rules in force, in any case the running of cables of any intercom unit must be carried out separately from the mains;
- All multipair cables should be compliant to CW1308 specification (0.5mm twisted pair telephone cable).
- Cables for speech line and service should have a max resistance of 10 Ohm
- Lock release wires should be doubled up (Lock release wires and power supply wires should have a max resistance of 3 Ohm);
- The cable sizes above can be used for distances up to 50m. On distances above 50m the cable sizes should be increased to keep the overall resistance of the cable below the RESISTANCES indicated above;
- Double check the connections before power up;
- Power up the system then check all functions.

LOCK RELEASE BACK EMF PROTECTION

A varistor must be fitted across the terminals on AC lock release **(Fig. 5)** and a diode must be fitted across the terminals on a DC lock release **(Fig. 4)** to suppress back EMF voltages. Connect the components to the lock releases as shown in figures.

~ ~   **VARISTOR (MOV)**

12V AC LOCK RELEASE

Fig. 3

− +   **DIODE 1N4002**

12V DC LOCK RELEASE

Fig. 4
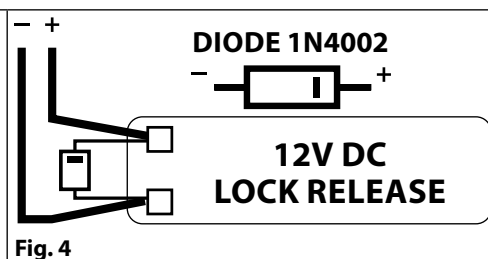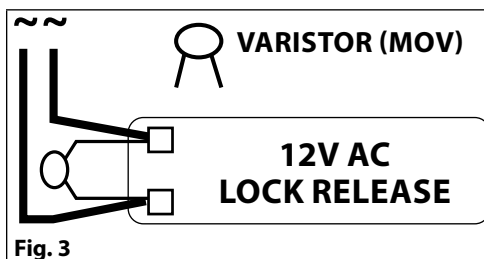
BUZZER BACK EMF

When using intercoms with buzzer call (Art. 924/926, SMART1/2, 3101/2, 3001/2 and 3021/2) add one 0.1uF (100nF) capacitor between terminals 3 and 6 on the telephone.

BUILT-IN RELAYS − BACK EMF PROTECTION

The Art. 4901 includes selectable back EMF protection on the relays. The jumpers marked **MOV** (one jumper for each relay) are used to select the protection type. When using a fail secure lock with connections **C** & **NO** the jumper should be in the **NO** position. When using a fail open lock with connections **C** & **NC** the jumper should be in the **NC** position and when using the codelock to trigger a gate controller or another third party controller the jumper should be removed completely (this disables the protection on the relay).

BACK LIGHT ADJUSTMENT JUMPER (JPL)

The jumper JPL (**Fig. 2**, Ⓓ) is used to adjust the brightness and determine the operation of the backlit buttons. There are four brightness settings for the backlit buttons and two programming modes (mode 1 and 2) for the jumper.

The two modes that can be programmed change the functionality of the jumper JPL. The table below indicates the programming mode, the position of the jumper and the operation of the backlit buttons.

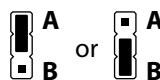|	Jumper Position		Back light Operation
Mode 1	**A (default)**	A B	Back light on low brightness in standby. Full brightness when any buttons are pressed.
Mode 1	**B**	A B	Back light OFF in standby. Full brightness when any buttons are pressed.
Mode 2	**A or B**	A B or A B	Back light on full brightness all of the time.
	JPL removed in either Mode	A B	No back light, the back light is completely disabled.

PROGRAMMING MODE 1 (DEFAULT MODE, JPL = A)

Follow the steps below to set the codelock to mode 1:

1. Disconnect the power from the Art. 4901 codelock;

2. Short out terminals − and **SW2**;

3. Press and hold down button **1** ⓵ and keep it pressed down while the power is switched back ON;

4. When power is restored to the codelock wait for the module to emit a single beep and the red status LED (**Fig.1**, Ⓑ) to flash once;

5. Listen for the confirmation tone and wait for the red status LED (**Fig.1**, Ⓑ) to flash once again;

6. Release button **1** ⓵ and remove the short between terminals − and **SW2**;

7. Set the jumper JPL to the desired position.

PROGRAMMING MODE 2

Follow the steps below to set the codelock to mode 2:

1. Disconnect the power from the Art. 4901 codelock;

2. Short out terminals − and **SW2**;

3. Press and hold down button **2** ⓶ and keep it pressed down while the power is switched back ON;

4. When power is restored to the codelock wait for the module to emit a double beep and the red status LED (**Fig.1**, Ⓑ) to flash once;

5. Listen for the confirmation tone and wait for the red status LED (**Fig.1**, Ⓑ) to flash once again;

6. Release button **2** ⓶ and remove the short between terminals − and **SW2**;

7. Set the jumper JPL to the desired position.

BACK LIGHT AND BUTTON OPERATION

If the back light programming mode is set to mode 1 (with jumper JPL in either the A or B position) when a button is pressed on the keypad the back light will switch to full brightness for approximately 10 seconds.

After this time the back light will either switch OFF or switch back to low brightness (depending on the jumper position) unless another button has been pressed within the 10 second period in which case the back light will stay on full brightness for a further 10 seconds.

The exception to this is if the back light programming mode is set to mode 2, i.e. the back light will be on full brightness all of the time or if the jumper is removed the back light will be disabled.

PROGRAMMING

- Enter the **ENGINEER'S CODE**: first time type six times **1** (**111111** factory preset) and press **ENTER** (The red LED will illuminate);
- Confirm **ENGINEER'S CODE** (typing again the same) or type the new code (4 to 8 digits) then press **ENTER** (Melody). Pressing twice the **ENTER** button without changing the **ENGINEER'S CODE**, will exit from the programming;
- Enter the code (4 to 8 digits) to enable **RELAY 1** or re-enter the existing code then press **ENTER** (Melody);
- Enter the **RELAY 1** operation time (2 digits 01 to 99 **I.E.** 05=5 seconds, 00= remain open time) or re-enter the existing time then press **ENTER** (Melody);
- Enter the code (4 to 8 digits) to enable **RELAY 2** or re-enter the existing code then press **ENTER** (Melody);
- Enter the **RELAY 2** operation time (2 digits 01 to 99 **I.E.** 05=5 seconds, 00= remain open time) or re-enter the existing time then press **ENTER** (Melody);
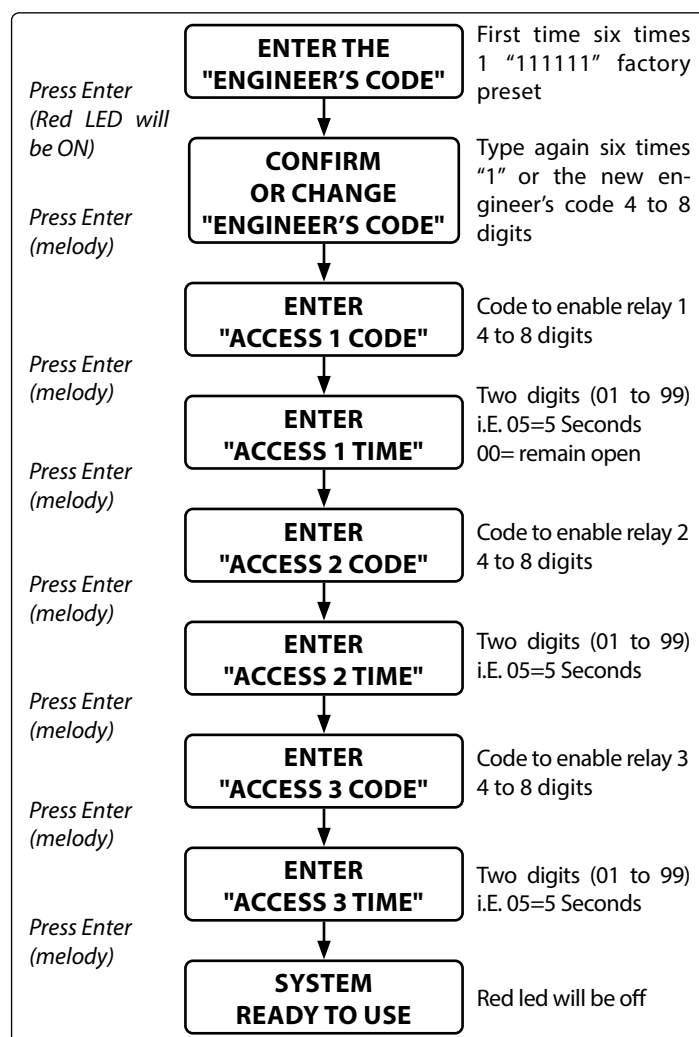- Enter the code (4 to 8 digits) to enable **RELAY 3** or re-enter the existing code then press **ENTER** (Melody);
- Enter the **RELAY 3** operation time (2 digits 01 to 99 **I.E.** 05=5 seconds, 00= remain open time) or re-enter the existing time then press **ENTER** (Melody);
- The system is ready to use (the red LED will be off).

PROGRAMMING NOTES

- After pressing enter following a command, press **ENTER** a further twice to exit the programming menu.

RETURN SYSTEM TO PRESET ENGINEER'S FACTORY CODE

- Turn off power to code lock;
- Keep **ENTER** button pressed while turning the power back on;
- Release **ENTER** button;
- The engineer's code is now set to **111111** (six times one).

Flow	Description
Press Enter (Red LED will be ON) → **ENTER THE "ENGINEER'S CODE"**	First time six times 1 "111111" factory preset
Press Enter (melody) → **CONFIRM OR CHANGE "ENGINEER'S CODE"**	Type again six times "1" or the new engineer's code 4 to 8 digits
Press Enter (melody) → **ENTER "ACCESS 1 CODE"**	Code to enable relay 1 4 to 8 digits
Press Enter (melody) → **ENTER "ACCESS 1 TIME"**	Two digits (01 to 99) i.E. 05=5 Seconds 00= remain open
Press Enter (melody) → **ENTER "ACCESS 2 CODE"**	Code to enable relay 2 4 to 8 digits
Press Enter (melody) → **ENTER "ACCESS 2 TIME"**	Two digits (01 to 99) i.E. 05=5 Seconds
Press Enter (melody) → **ENTER "ACCESS 3 CODE"**	Code to enable relay 3 4 to 8 digits
Press Enter (melody) → **ENTER "ACCESS 3 TIME"**	Two digits (01 to 99) i.E. 05=5 Seconds
Press Enter (melody) → **SYSTEM READY TO USE**	Red led will be off

OPERATION

- Type in the programmed code and press **ENTER**;
- If the code is correct, the green LED will illuminate for approx. 2 seconds and the relay relevant to the code will operate for the programmed time;
- If a wrong code is entered, a continuous melody will sound for 4 or more seconds, according to the number of mistakes;
- To switch off any relay while operating, type in the relevant code then press the **CLEAR** button;

OPERATION NOTES

- To operate relays together, set the same code for each relay;
- If a wrong code is entered, the system will lock out for 5 seconds which will increase each time a wrong code is entered. The system will operate only when the correct code is entered.

ADHESIVE GASKET PLACEMENT

Apply the (Y) seal as shown in **Fig. 5**.

ANTI-TAMPERING LOCKS FIXING

Fit the anti-tampering locks (W) as shown in **Fig. 6**.
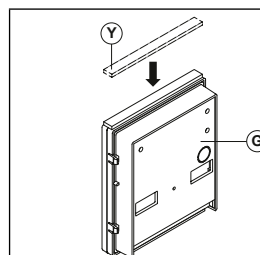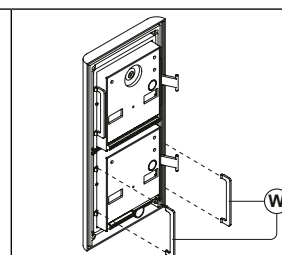
Fig. 5   **Fig. 6**

CONNECTION TERMINALS SIGNALS

SW2	Relay 2 command signal (active low)	
SW1	Relay 1 command signal (active low)	
NC3	Relay 3 normally closed contact	
NO3	Relay 3 normally open contact	
C3	Relay 3 common contact	
NC2	Relay 2 normally closed contact	**Max 24Vac/dc 3A**
NO2	Relay 2 normally open contact	
C2	Relay 2 common contact	
NC1	Relay 1 normally closed contact	
NO1	Relay 1 normally open contact	
C1	Relay 1 common contact	
−	12/24Vac/dc power input	
+		

CLEANING OF THE PLATE

Use a clean and soft cloth. Use moderate warm water or non-aggressive cleansers.
Do not use:
• abrasive liquids;
• chlorine-based liquids;
• metal cleaning products.

TECHNICAL SPECIFICATION

Power Supply:	12/24 Vac/dc – 2VA	
Power Consumption:	Stand-by:	20mA
	Operating:	70mA
Working Temperature:	-10 +50° C	

EXAMPLE: INSTALLING A FOUR MODULE OUTDOOR STATION

fig. 1

fig. 2

fig. 3

fig. 4

fig. 5

fig. 6

fig. 7

fig. 8

fig. 9

fig. 10

fig. 11

fig. 12

fig. 13

fig. 14

fig. 15

fig. 16

fig. 17

fig. 18
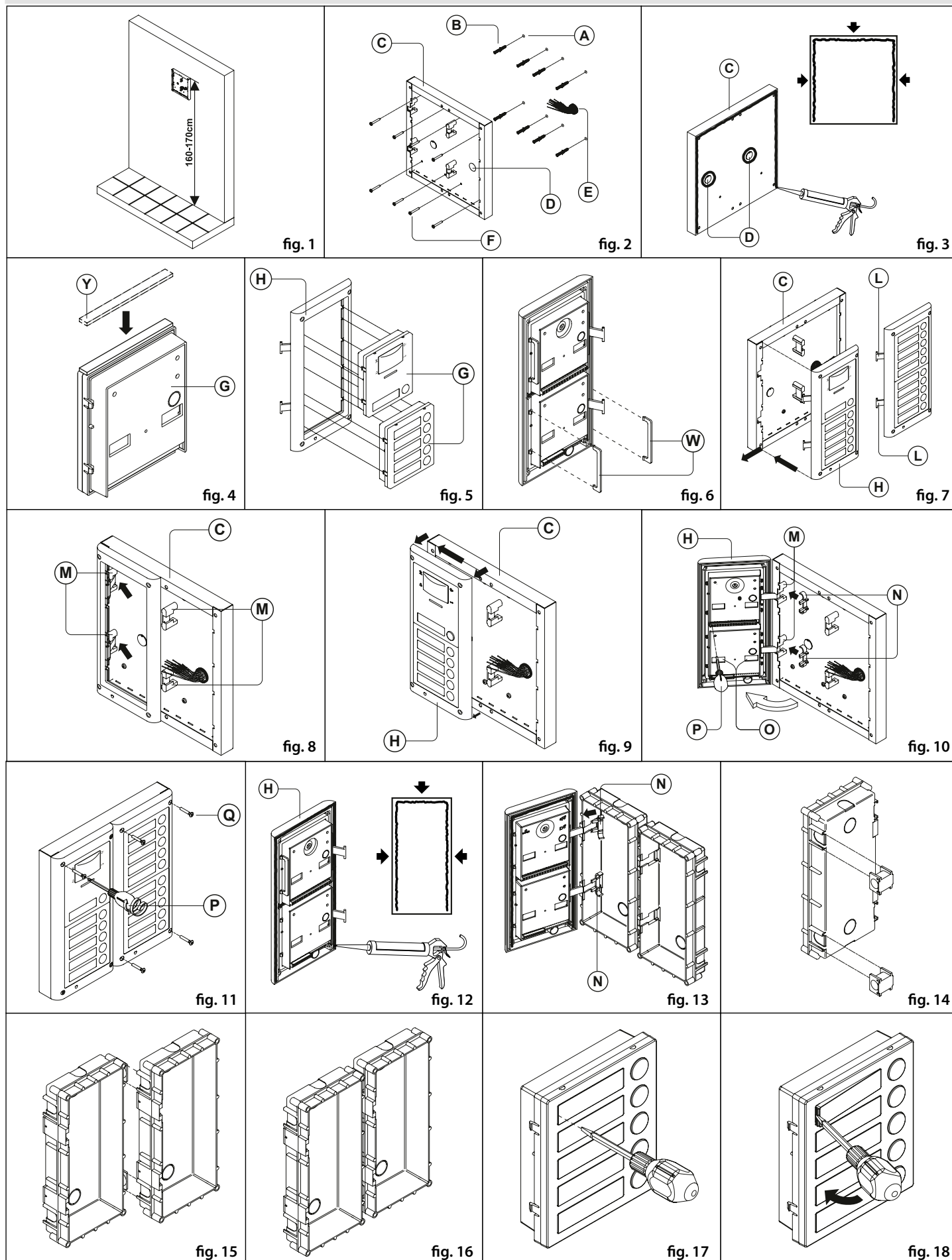
INSTALLING A SURFACE MOUNT DOOR STATION

1. Place the surface box against the wall (165-170cm between the top of the box and the floor level as shown in **Fig. 1**) and mark the fixing holes for the wall plugs and the hole for the cables Ⓔ **(fig. 2).** Observe the orientation of the box with the hinge on the left;

> ⚠ **In order to prevent water ingress we highly recommend using a silicon sealant between the wall and the back box** Ⓒ
> **ON THE LEFT, TOP AND RIGHT SIDES ONLY AND AROUND ALL HOLES** Ⓓ**.**
> **DON'T USE SILICON SEALANT ON THE BOTTOM SIDE OF THE BACK BOX (Fig.3);**

2. As shown on **Fig. 2,** drill the fixing holes Ⓐ**,** insert the wall plugs Ⓑ and feed the cables Ⓔ through the surface box opening Ⓓ, fix surface box Ⓒ to the wall using the screws Ⓕ;
3. Apply the Ⓨ silicon sealant on top of each module as shown in **Fig. 4;**
4. Before installation of the module support frame, hook the modules Ⓖ to the support frame Ⓗ as shown in **Fig. 5** then, as shown in **Fig. 6,** fit the two anti-tampering locks Ⓦ for each module (do the same for the second module support frame);
5. When you have more than one support frame, hook the support frame to the surface box starting from the left. For convenience we will described how to attach the left frame but the same must be carried out for the right frame. As shown in **Fig. 7,** hook the module support frame Ⓗ (complete with modules) to the surface box Ⓒ moving the frame as suggested from pointers. Ensure that the pivots Ⓛ **(Fig. 7)** go inside the relevant housing Ⓜ as shown in **Fig. 8;**
6. As shown on **Fig. 9,** pull back the module support frame Ⓗ while moving it slightly to the left as suggested by the pointers;
7. As shown in **Fig. 10,** open the module support frame Ⓗ as suggested by the pointer, hook the hinge locks Ⓝ to the hinges Ⓜ**,** make the required connections using the screwdriver provided Ⓟ (flat blade end) and make the required adjustment by adjusting the settings (through openings Ⓞ) and adjust trimmers;
8. Repeat the same operations described above for the second module support frame (or for the third if available);
9. When the system has been tested and is working correctly, move back the module support frames carefully, fix them to the surface box using the screwdriver provided Ⓟ (torx end) and the pin machine torx screws Ⓠ **(Fig. 11).** **Note: do not over tighten the screws more than is necessary.**

INSTALLING A FLUSH MOUNTING DOOR STATION

When flush mounting and the number of modules is greater than 3, the required back boxes need to be linked together (before embedding them in the wall) as shown on **Fig. 14, 15 and 16:**

- Arrange the back boxes and remove knockouts to allow cables to be fed from one back box to the other;
- Hook the spacers to first back box then hook the second back box to obtain the result shown on **Fig. 16;**

1. Protect the module support frame fixing holes from dust then embed the back box into the wall (165-170cm between the top of the box and the floor level as shown on the **Fig. 1**) feeding the cables Ⓔ **(Fig. 2)** through a previously opened hole in the box. Observe the direction of the box ensuring the hinge is on the left and take care that the box profile is in line with the finished wall profile;

> ⚠ **In order to prevent water ingress we highly recommend using a silicon sealant between the module support frame** Ⓗ **and the back box ON THE LEFT, TOP AND RIGHT SIDES ONLY.**
> **DON'T USE SILICON SEALANT ON THE BOTTOM SIDE OF THE MODULE SUPPORT FRAME (Fig.12);**

2. Continue from step **4** of surface mounting instructions , but at step **7** hook the hinge locks Ⓝ as shown on **Fig. 13.**

> ⚠ **Note: if additional holes are made in the surface box, oxidation problems may appear unless the unprotected metal is coated with a protective paint.**

NOTES

- The screwdriver's blade has two sides, one flat and one torx, to select one of them unplug the blade from the screwdriver body and plug it into the required side.
- The example shows the use of only one back box bottom hole for wires, this is done to keep file drawings clear. Naturally the installer can use the left hole or the right or both if required.

HOW TO REMOVE THE CARD NAME HOLDER

- To avoid damage to the module front plate, tape the side that will be in contact with the screwdriver blade;
- Insert the screwdriver (flat side) into the card-holder hole as shown in **Fig. 17;**
- Move the screwdriver to the left as shown in **Fig. 18** to extract the card name holder;
- Edit the card name then replace it inside the holder and refit: insert the holder inside its housing from the left or right side then push the other side until it clips into place.
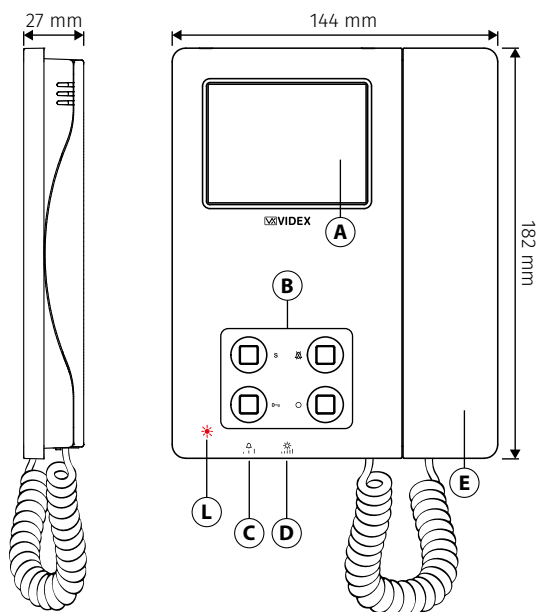
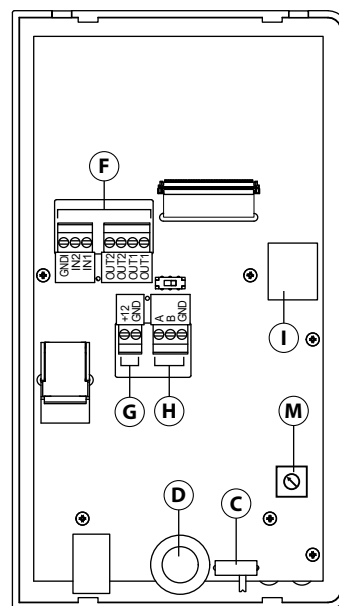# Art. 6296 IP Videophone for VIDEX IP System

Fig. 1 Front

Fig. 2 Back

DESCRIPTION

IP Videophone specific for VIDEX IP System using 3.5" full colour active matrix LCD touch screen.

The videophone includes 4 buttons with standard functions like "privacy", "door- open", "camera recall" and "service" plus 5 LED's for visual indication of all functions.

Adjustments: manual control for call tone volume on 3 levels (low, medium, high) and picture brightness.

Programmable options: call tone melody, number of rings, privacy duration, date & time.

Intercommunication, Caller image memory and Event log management are further features included.

The Art. 6296 is surface mount.

To download the programming software **VX IP Wizard** and obtain the latest firmware and manuals please visit the following website and register

https://service.videx.it/

LEGEND

(A) 3,5" Touch screen
(B) Operating push buttons and LED's
(C) Call tone volume control
(D) Brightness control
(E) Handset
(F) Input/output terminals (not used)
(G) 12Vdc power supply input (for non POE installations)
(H) RS-485 Interface
(I) POE Ethernet interface
(L) Red LED to advice a missed call from door panel
(M) Microphone potentiometer (it increases the volume from the handset to the door panel loudspeaker)

PUSH BUTTONS

The button operation depends on the configuration carried out through the configuration software for VIDEX IP system "Videx IP Wizard".
Default button functions can be changed, the function of the button can be different depending on the current state of the videophone.
• "In Stand- by" when the system is not in use.
• "Ringing" during an incoming call.
• "In Conversation" during a conversation between the resident and the visitor.

|	
S	**Service push button** It is possible to set two different operating modes according to the system status: "In Stand-by", "In Conversation". • "In Stand-by" the button can be configured to trigger a specific relay of a specific door panel. • "In Conversation" the button can be configured to trigger a specific relay of a specific door panel or the first or second relay of the active door panel. As default, this button is disabled in both operating states. During the conversation, to take a picture of the current video, keep pressed until the display doesn't show the camera icon with the date & time of the picture.
⨉	**Privacy ON-OFF push button** It is possible to set two different operating modes according to the system status: "In Stand-by", "In Conversation". • "In Stand-by" it can only be used as a "privacy on-off" button. Press to activate (privacy LED illuminates) or press to deactivate (privacy LED goes off). • "In Conversation" the button can be configured to trigger a specific relay of a specific door panel or the first or second relay of the active door panel. As default, the privacy is set to "Infinite" and the button is disabled for the "In Conversation" state. The button operates also as video source switch, during the conversation, keep pressed until the video source switches from the module built-in camera video signal to the external video source and viceversa. When the door panel is set for an external video source, it is also possible to set the default video signal source (internal or external) transmitted during a call. By pressing this button while the videophone is ringing, the call is rejected (the rejection is not recognized by the visitor).
0⊐	**Door open push button** It is possible to set one operating mode for both the statuses "Ringing" and "In Conversation". • "In Conversation" & "Ringing" the button can be configured to trigger a specific relay of a specific door panel or the first or second relay of the active door panel. In Stand-by, when pressed, an intercommunicating call is started with the preferred videophone. As default, the button activates the "relay 1" of the active door panel.
◯	**Camera recall push button** The operation of this button cannot be customised, it works as a camera recall button during Stand-by. During a camera recall session, if the speech toward the door panel is disabled, to enable the speech, keep this button pressed until the speech is enabled.

LEDS

⨉	**Privacy on LED** It illuminates when the privacy service is enabled.
◯	**Service LED** It flashes showly if the gateway is not found when the keep alive is set to "ping".

CONTROLS

🔔	**Call tone volume control** 3 level switch (it controls also the local bell volume).
☼	**Brightness control** Sliding wheel.

VIDEOPHONE INITIALISATION

If powering on the videophone (through a POE switch/router or an external power supply unit) the display shows the message "DEVICE NOT INITIALISED" (**Fig. 3**), use the configuration software for VIDEX IP system (Videx IP Wizard.exe) to set the device and the system.
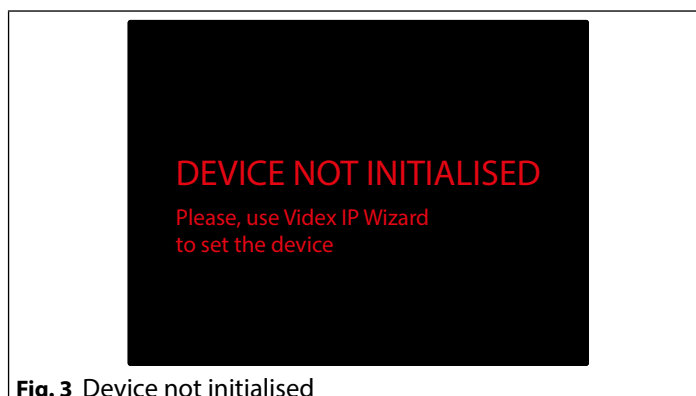
DEVICE NOT INITIALISED
Please, use Videx IP Wizard
to set the device

Fig. 3 Device not initialised

PROGRAMMING

The button operation must be programmed through the configuration software for VIDEX IP system, however some operating parameters can be programmed through the videophones on screen menu. The "SETTINGS MENU" can be used to program some parameters and to carry out some adjustments.

· Programmable settings are: Privacy duration, Melody, Number of Rings and Date & Time (**Fig. 5**)
· Adjustable settings are: Speech quality toward a door panel, Video quality toward a door panel

If the screen is black, first tap on it to see the main menu (**Fig. 4**) then tap on the gear icon to open the settings menu (**Fig. 5**)
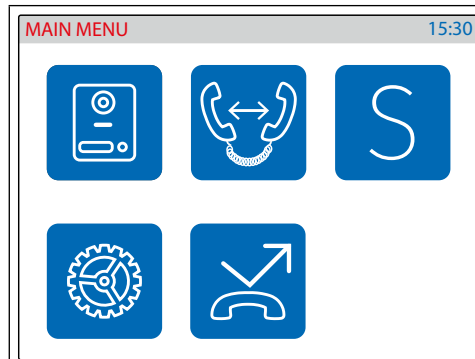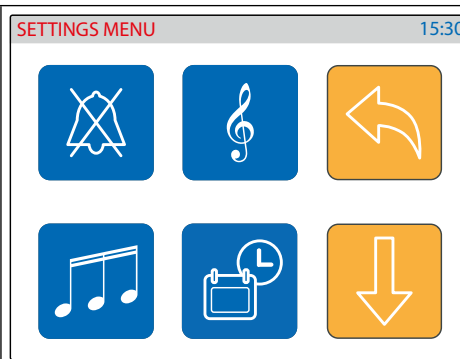
Fig. 4 Main menu

Fig. 5 Settings menu 1/2
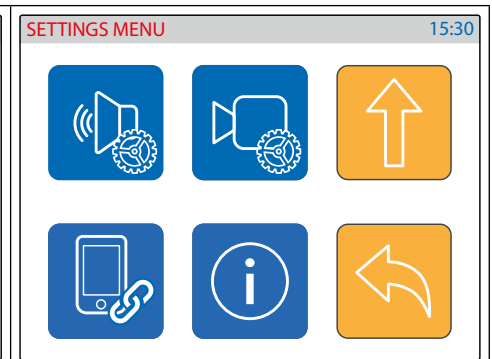
Fig. 6 Settings menu 2/2

PRIVACY DURATION

· Tap on the privacy icon (**Fig. 5 on page 18**).
· The current value is shown (**Fig. 7**).
· Swipe among the values to select the required then tap on the tick button to confirm the value (**Fig. 8**).
· A notice will inform that the value is saved (**Fig. 8**).
· When the service is activated the relevant LED ⊠ illuminates.

Fig. 7 Set privacy duration

Fig. 8 Save the selected value

MELODY

· Tap on the melody icon (**Fig. 5 on page 18**), the current melody is shown, tap on a melody to listen to it (**Fig. 9**) then tap on the tick button to confirm the selected melody.
· A notice will inform that the value is saved (**Fig. 10**).

Fig. 9 Listen the available melodies

Fig. 10 Save the selected value

NUMBER OF RINGS
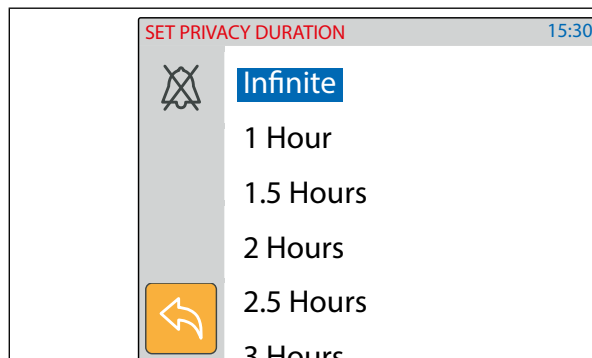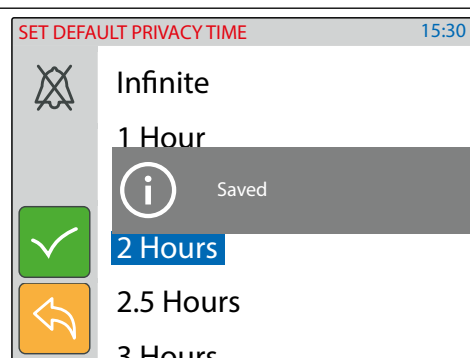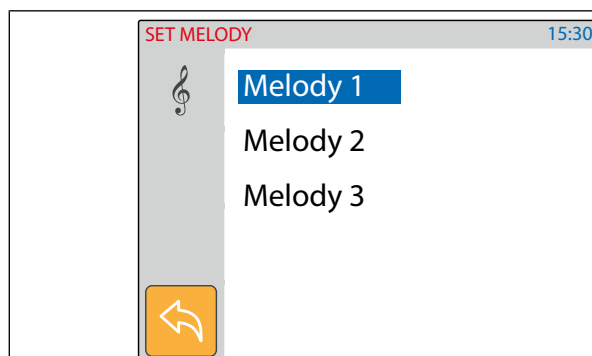
- Tap on the rings icon (**Fig. 5 on page 18**).
- The current value is shown (**Fig. 11**).
- Swipe among the values to select the required value then tap on the tick button to confirm (**Fig. 12**).
- A notice will inform that the value is saved (**Fig. 12**).
  Note: if the global call time is too short the full selected number of rings may not be heard.
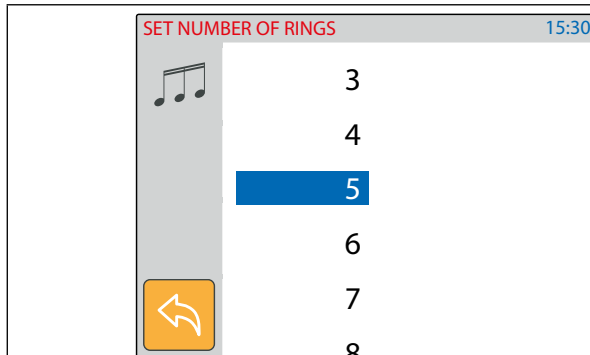
Fig. 11 Select the number of rings
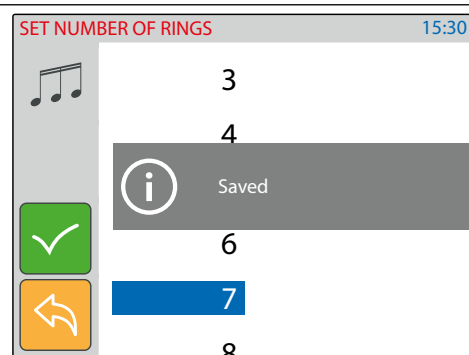
Fig. 12 Save the selected value

DATE & TIMES

- Tap on the date & time icon (**Fig. 5 on page 18**)
- The current date & time is shown (**Fig. 13**).
- Operate the buttons to adjust the date & time required then tap on the tick button to confirm (**Fig. 14**).
- A notice will inform that the value is saved (**Fig. 14**).
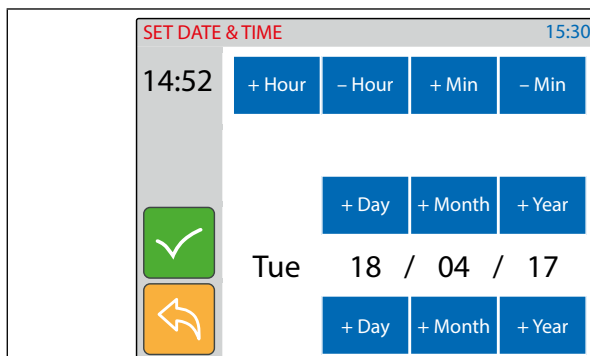
Fig. 13 Set the date & time

Fig. 14 Save the value set

ADJUST SPEECH QUALITY

- This setting is password protected (**Fig. 15**) because the adjustment will affect the entire installation.
- Tap on the speech adjustment icon (**Fig. 6 on page 18**).
- The default password is "9876", type it then proceed with the adjustment.
- Select the door panel to connect to then tap the tick button to open the communication (**Fig. 17**).
- Adjust the speech operating on the plus and minus buttons of the various settings.
- Once a good speech level is obtained tap on the tick button to confirm (**Fig. 18**).
- A notice will inform that the adjustment is saved (**Fig. 18**).

ENTER ADMIN PASSWORD	15:30

```
7  8  9
4  5  6
1  2  3
   0  C
```
✓ ↩

Fig. 15 Enter engineer password

SELECT A CALL POINT	15:30

Main Entrance
Back Entrance

✓ ↩

Fig. 16 Select the door panel to connect to

ADJUST AUDIO	15:30

+ − LOCAL TH.
+ − LOCAL ATT.
+ − REMOTE TH. (300)
+ − REMOTE ATT (51)
↩ ☐ ECHO CANC ENABLED
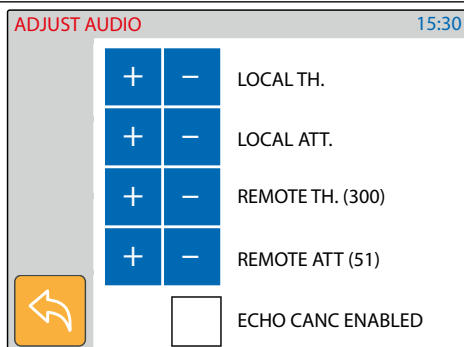
Fig. 17 Adjust the speech for the selected door panel

ADJUST AUDIO	15:30

+ − LOCAL TH.
+ − LOCAL ATT.
ⓘ Saved
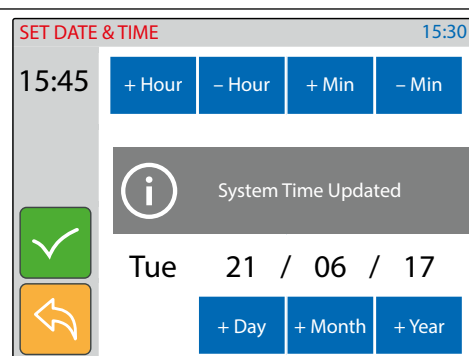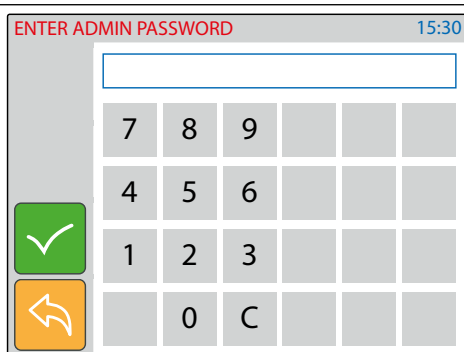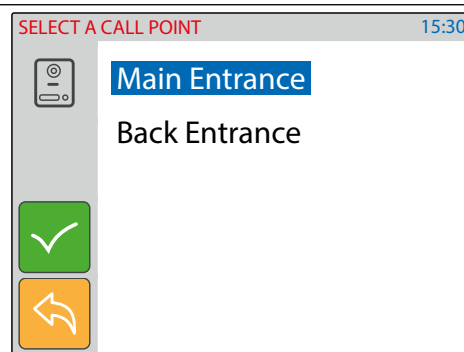+ − REMOTE ATT (51)
✓ ↩ ☐ ECHO CANC ENABLED
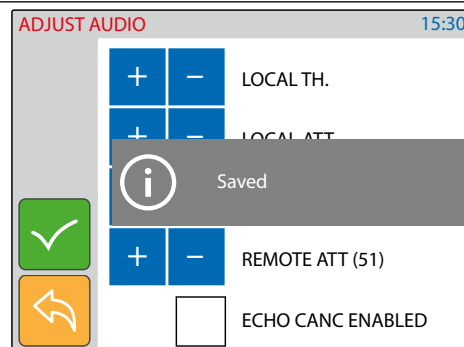
Fig. 18 Save the speech adjustment

ADJUST VIDEO QUALITY

- This setting is password protected (**Fig. 19**) because the adjustment will affect the entire installation.
- Tap on the video adjustment icon (**Fig. 6 on page 18**)
- The default password is "9876", type it then proceed with the adjustment.
- Select the door panel to connect to then tap the tick button to open the communication (**Fig. 21**).
- Adjust the video operating on the plus and minus buttons of the various settings.
- Once a good video quality is obtained, tap on the save button to confirm (**Fig. 21**).
- A notice will inform that the adjustment is saved (**Fig. 22**).
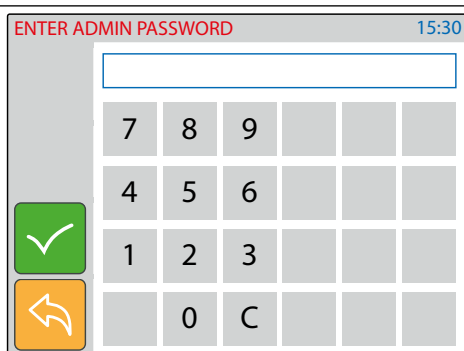
ENTER ADMIN PASSWORD	15:30

```
7  8  9
4  5  6
1  2  3
   0  C
```
✓ ↩

Fig. 19 Enter engineer password

SELECT A CALL POINT	15:30

Main Entrance
Back Entrance

✓ ↩

Fig. 20 Select the door panel to connect to

ADJUST VIDEO	15:30

Bright + Contr + Satur. +   SAVE

Bright − Contr − Satur. −   EXIT
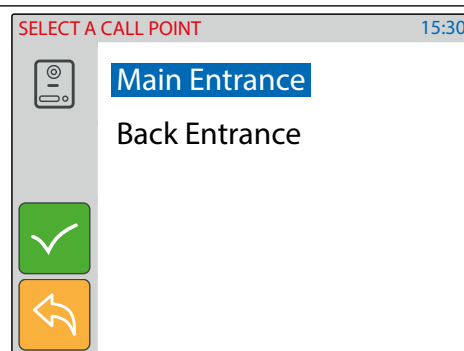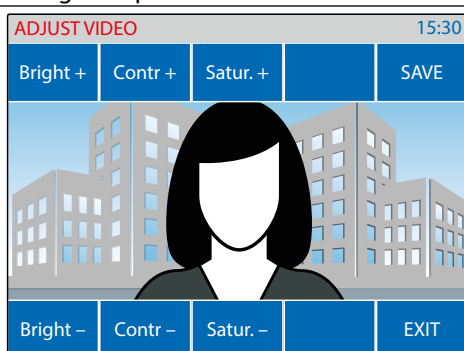
Fig. 21 Adjust the video for the selected door panel

ADJUST VIDEO	15:30

Bright + Contr + Satur. +   SAVE

ⓘ Outdoor Panel Camera Settings Saved

Bright − Contr − Satur. −   EXIT

Fig. 22 Save the video adjustment

BINDING CODE

- This menu option shows the binding code for the APP on your smartphone (iOS or Android) that allows you to bind the videophone to the smartphone. After the binding process, any call directed to the videophone will also be received on the smartphone. Once the APP is bound, the user can communicate with any door station on the system to which the videophone is configured.
- Tap on the binding code icon (**Fig. 6 on page 18**).
- The screen will show the "BINDING CODE" QR Code and text format (**Fig. 23 on page 21**).

- Using a smartphone with an active data connection (connected to internet) launch the APP then tap on the plus symbol on the top right corner (**Fig. 24 on page 21**).
- Focus on the QR Code or enter the text code (**Fig. 25 on page 21**) if you have difficulties with the camera.
- After a short delay, if the binding is successful, the main screen of the APP should list the installation to which the videophone is connected (**Fig. 26 on page 21**). After this the APP is ready to work

Notes:
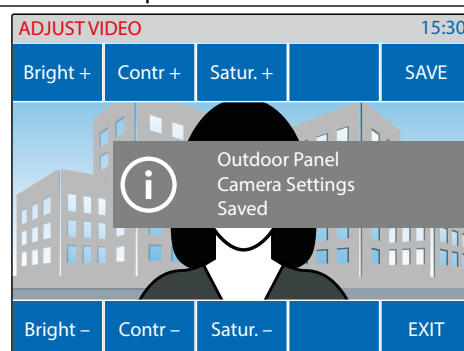- The APP performances are strictly correlated to both the 3G /4G mobile data connection quality and the upload bandwidth of the internet connection available at the site where the system is installed.
- The binding code is available only if the engineer that has installed the system has made the required online registration for the installed system.
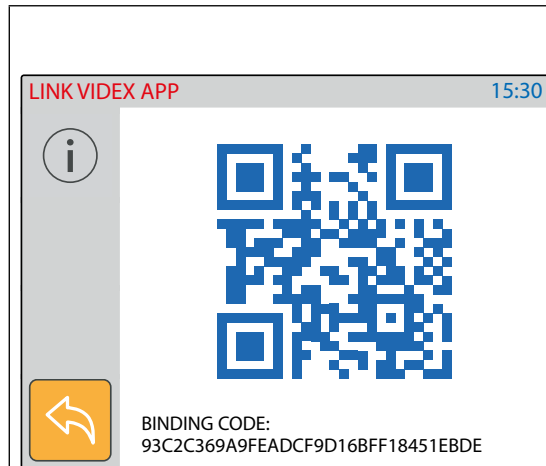
Fig. 23 Binding code
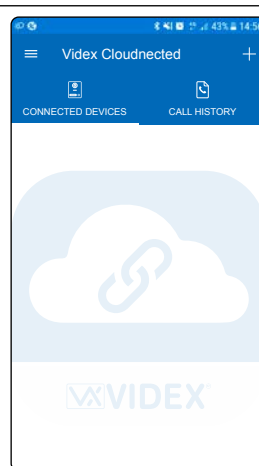
Fig. 24 Tap on "+" to bind the app with the videophone
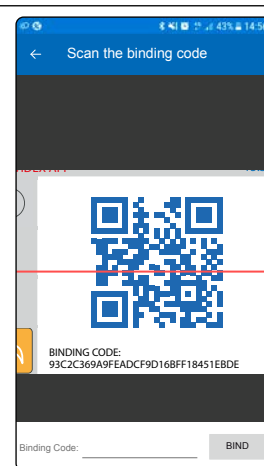
Fig. 25 Fit the QR Code in the frame or enter text code
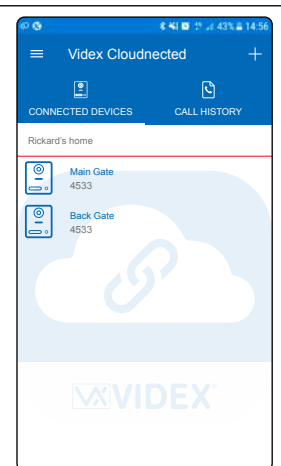
Fig. 26 If the binding is successful the system is listed

DEVICE INFO

- This menu option is for information purposes.
- Tap on the device info icon (**Fig. 6 on page 18**).
- The monitor will show the device: model, name, ID, IP Address, MAC address, firmware version and hardware version
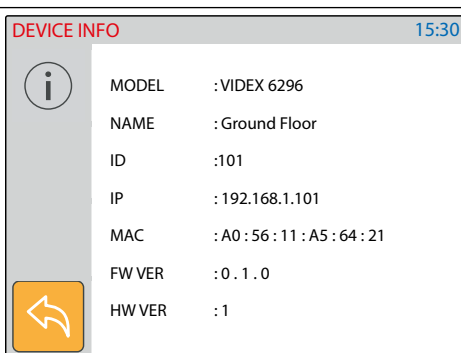
Fig. 27 Device info

OPERATION - VIDEOPHONE'S BUTTONS

TO ANSWER A CALL & OPEN THE DOOR

- On an incoming call the videophone rings and the display shows the initialising screen (**Fig. 28**), the video coming from the door panel is then shown (**Fig. 29**).
- Pick up the handset to start the conversation with the visitor (**Fig. 30**).
- While the conversation is in progress, take a picture of the visitor manually, press and keep pressed **S** button until the display shows camera icon with date & time (**Fig. 31**).
- A visitor picture is automatically taken on any incoming call answered or not.
- Press the ⊙━┉ button to open the door (**Fig. 32**)*.

*Note that the relay activated depends on the configuration of the button, as factory default it activates relay 1 of the active door panel.

Fig. 28 Incoming call initialising the video

Fig. 29 Incoming call showing the video

**Fig. 30** The conversation starts after the handset is picked up

Fig. 31 Taking a picture of the visitor

Fig. 32 Activating the door relay
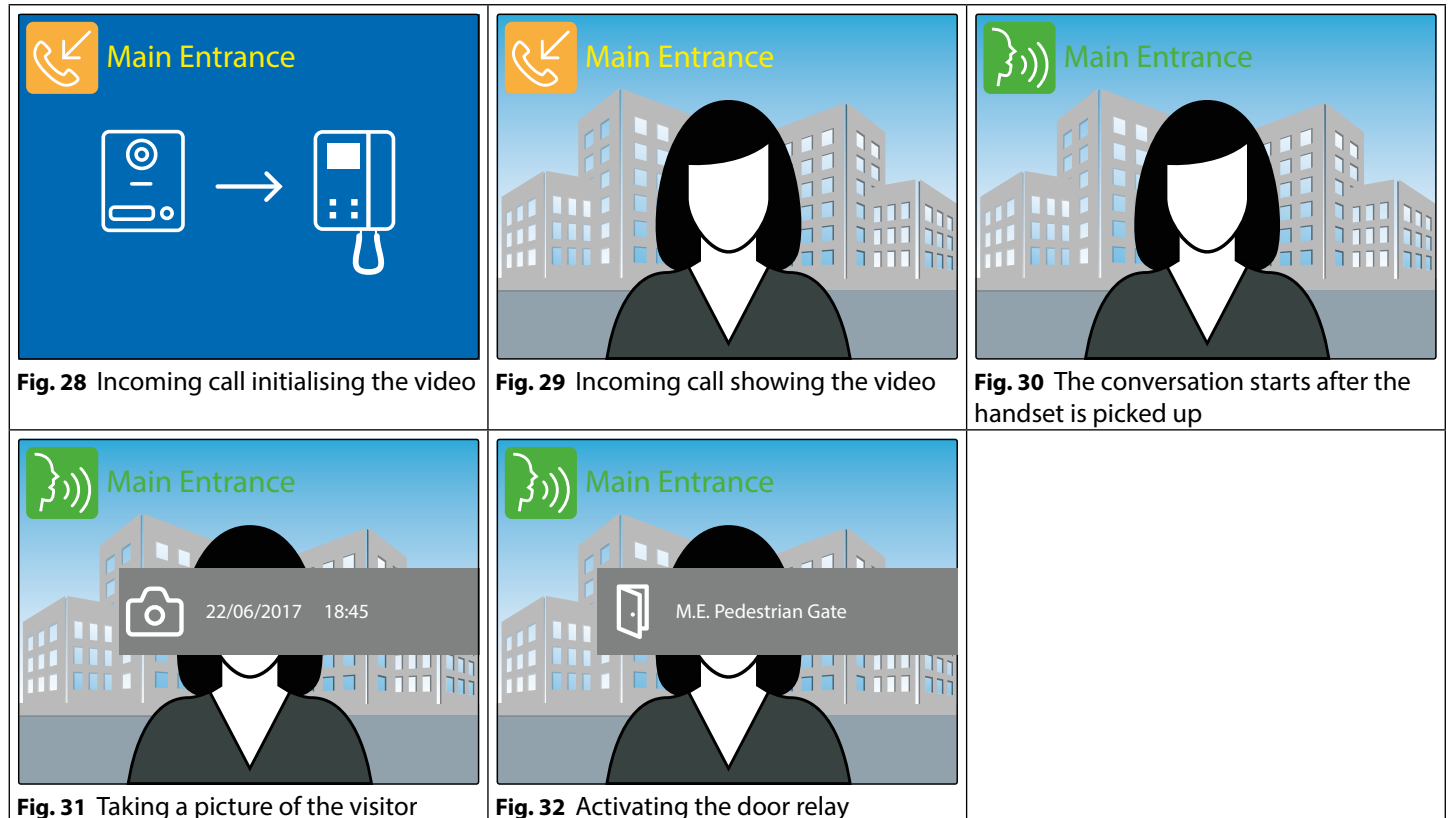
TO ENABLE PRIVACY SERVICE

When the service is enabled the videophone doesn't receive external or internal calls.
- Press the ⚒ button to enable the privacy service (**Fig. 33**). The relevant LED illuminates.
- To disable the service proceed again as above (**Fig. 34**)

Fig. 33 Privacy service enabled

Fig. 34 Privacy service disabled
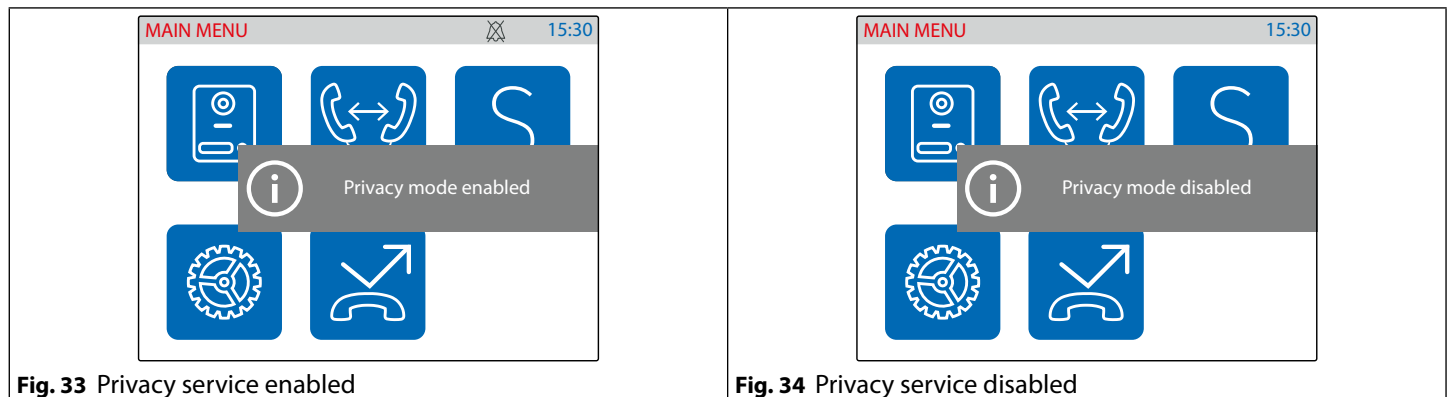
USING THE SERVICE BUTTON

The **S** button operates only if previously set using the "Videx IP Wizard". If it is pressed during the conversation or when the monitor is in stand-by, it will operate according to the setup made.

Fig. 35 Activating a relay during the conversation
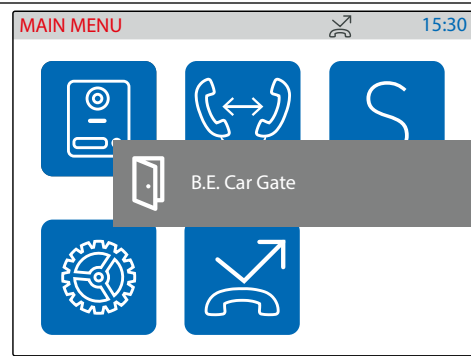
Fig. 36 Activating a relay during the stand-by

CAMERA RECALL

The camera recall is a function that allows the connection to any door panel installed on the system even if you have not received a call previously. It is a feature that can be used for safety purposes in case you have a reason to check what's happening outside your home.

- The ○ button, if the "Panels Address Book" it is not empty (**Fig. 37**), initialises a camera recall to the favourite* door panel .
- If the handset is on its cradle, the display shows the warning to pick up the handset (**Fig. 38**) then the camera recall initialising screen (**Fig. 39**).
- Once connected, the display shows the video coming from the door panel and two way speech is available via the videophones handset. Using the IP Wizard, if required, it is possible to set the recall to initially mute the speech from inside to outside (**Fig. 40**).
- To enable the speech from inside and start the conversation, press and keep pressed the ○ button until the display shows the speech symbol (**Fig. 41**).
- With the speech mute (**Fig. 40**) or open (**Fig. 41**), by pressing momentarily the ○ button you can manually take a picture of the visitor (**Fig. 42**).
- To open the door press the ⚬┰ button (**Fig. 37 on page 23**)** while to close the connection hang up the handset
* Note that favourite door panel is set during the system configuration using the "Videx IP Wizard" software.
** The relay activated depends on the configuration of the button, as factory default it activates relay 1 of the active door panel.
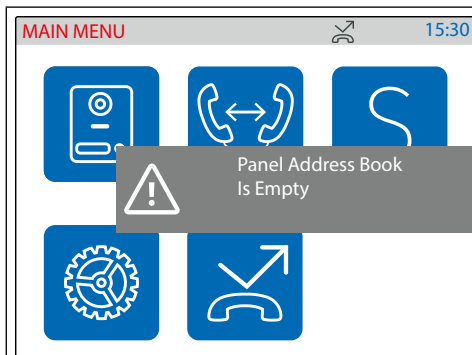
Fig. 37 Empty panel address book
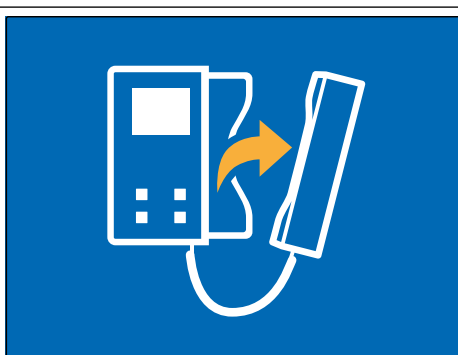
Fig. 38 Pick up the handset warning
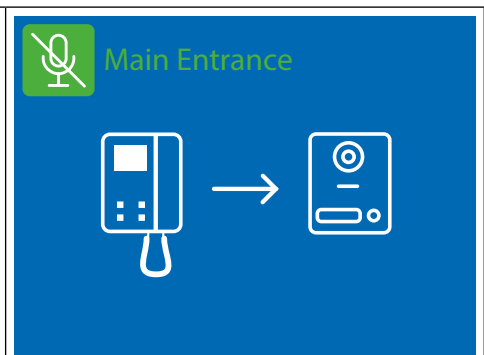
Fig. 39 Initialising camera recall
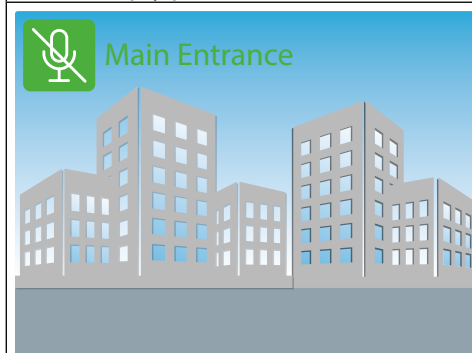
Fig. 40 Connection established with handset mic muted
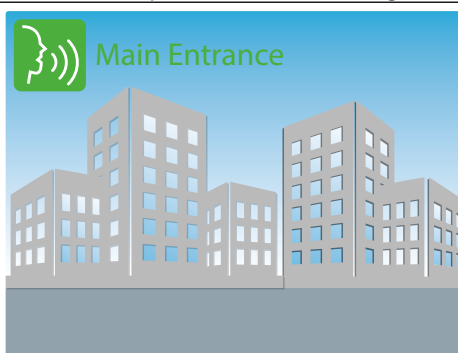
Fig. 41 Full duplex speech enabled

Fig. 42 Taking a picture

SWITCHING BETWEEN DOOR PANEL CAMERA AND EXTERNAL VIDEO SOURCE

The door panel allows the connection of an external video source for an external camera or a connection to a CCTV system.
When the panel is set to connect an external camera, it is also possible to establish which is the default video signal transmitted during a call: the internal or the external one. During the conversation it is possible between the primary and secondary camera.

- During the conversation press and keep pressed the ⚔ button until the display shows the camera switching notice (**Fig. 43**).
- The display now shows the video coming from the alternative video source (**Fig. 44**).
- To switch the video source back again, repeat the steps above (**Fig. 45**).
- If there are no external video sources connected to the door panel, an alert message will be shown (**Fig. 46**).
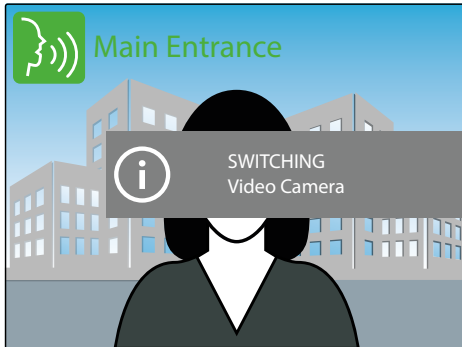
Fig. 43 Switching video source
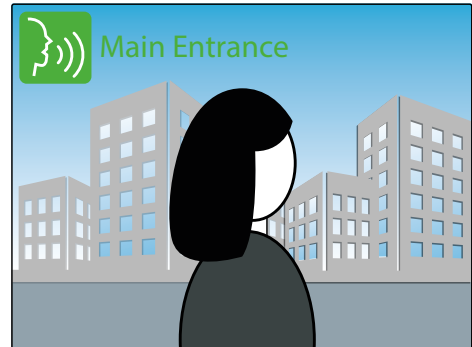
Fig. 44 The display shows the alternative video source
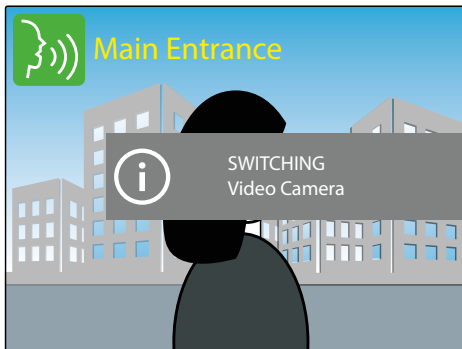
Fig. 45 Switching video source
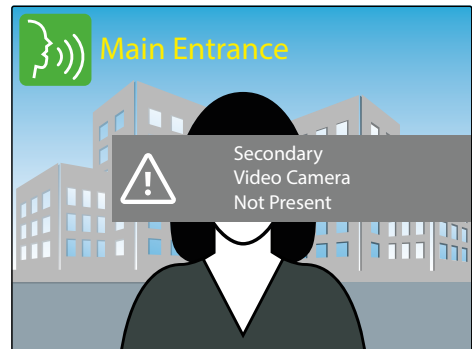
Fig. 46 No external camera connected

INTERCOMMUNICATING CALL

The videophone, if properly configured, allows intercommunication with other videophones
- By pressing the ⊙—π button, if the "Intercoms Address Book" is not empty (**Fig. 47**), will start a intercommunicating call with the favourite intercom*.
- If you have not picked up the handset the videophone gives a warning to do it (**Fig. 48**).
- The calling videophone shows the outgoing call symbol followed by the name of the called videophone (**Fig. 49**) while the called videophone shows the incoming call symbol followed by the name of the calling videophone (**Fig. 50**).
- When the called videophone answers it starts the conversation between the videophones, the caller (**Fig. 51**) and the called (**Fig. 52**) shows the speech symbol followed by the name of the connected videophone.
- The conversation stops when one of the two hangs up the handset

* Note that favourite videophone is set during the system configuration using the "Videx IP Wizard" software.

Fig. 47 Empty "Intercoms Address Book"

Fig. 48 Pick up the handset warning

Fig. 49 Outgoing call on calling videophone

Fig. 50 Incoming call from on called videophone

Fig. 51 Conversation in progress on calling videophone

Fig. 52 Conversation in progress on called videophone

OPERATION - VIDEOPHONE'S TOUCH SCREEN

The functions available via the physical buttons are also available with more advanced functionality via the touch screen menu.
If the display is switched off, tap on it to open the main menu (**Fig. 53**).
From the "MAIN MENU" the following functions are available:
- Camera recall to any* door panel installed on the system.
- Intercommunicating call to any* extension of the system.
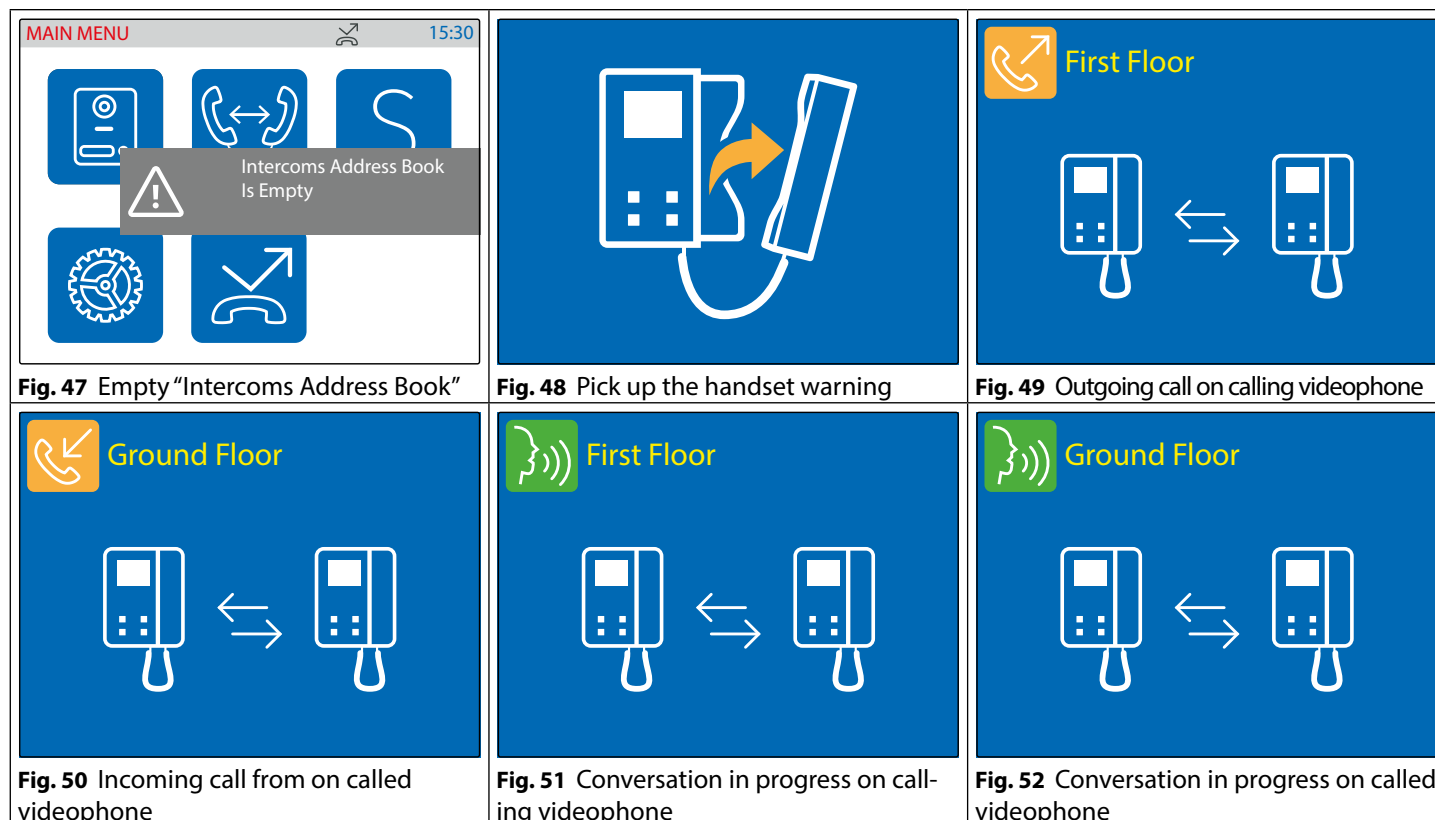- Activation of any* door panel's relay.
- View the event log.

* Note that the list of available door panels like the list of available extensions and the list of door panel relays are depending on the programming made using the "Videx IP Wizard" software. For every videophone, independent of each other, can list all or any combination of available devices on the system.

CAMERA RECALL TO A DOOR PANEL

The camera recall through the touch screen is possible to any door panel stored in the videophone's "panels address book".
The "panel address book" is populated using the configuration software "Videx IP Wizard".

- Tap on the door panel icon (**Fig. 53**)*, if the "panel address book" a warning is shown (**Fig. 54**).
- Select the door panel to connect to then tap the call button to open the communication (**Fig. 55**).
- The camera recall proceeds as described in paragraph **"Camera recall" on page 23**.

* If the panel address book includes one door panel only, tapping on the icon launches the call to the door immediately (**Fig. 38 on page 23**).

INTERCOMMUNICATING CALL TO AN EXTENSION

The intercommunicating call is possible to any intercom stored in the videophone's "intercoms address book".
The "intercoms address book" is populated using the configuration software "Videx IP Wizard".
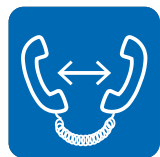
- Tap on the intercommunicating call icon (**Fig. 53**)*, if the "intercoms address book" is empty a warning is shown (**Fig. 56**).
- Select the indoor station to connect to then tap the call button to open the communication (**Fig. 57**).
- The intercommunicating call proceeds as described in paragraph **"Switching between door panel camera and external video source" on page 24**.

* If the intercoms address book includes one indoor station only, tapping on the icon launches the call to the videophone immediately (**Fig. 47 on page 25**).

ACTIVATION OF A DOOR PANEL'S RELAY

The videophone can activate any relay stored in the videophone's "outputs" list.
The "outputs" list is populated using the configuration software "Videx IP Wizard".

- Tap on the service icon (**Fig. 53**)*, if the "Remote Output List" is empty a warning is shown (**Fig. 58**).
- Select the relay to activate (**Fig. 59**) then tap the tick button to activate it (**Fig. 60**).
- Activate another service otherwise tap on the go back button to go back to the main menu (**Fig. 53**).

* If the outputs list includes one relay only, tapping on the icon activates the relay immediately.
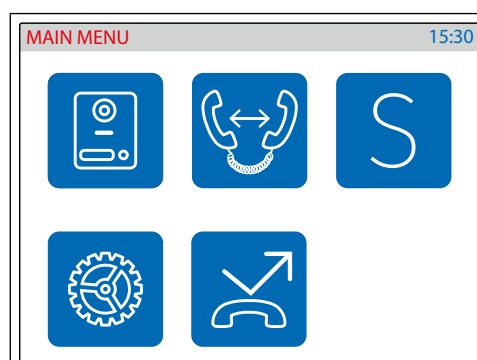
Fig. 53 Main menu
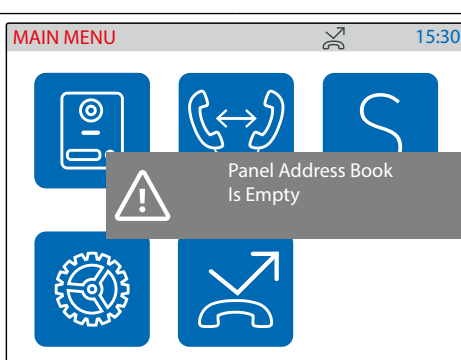
Fig. 54 Panel Address Book is Empty
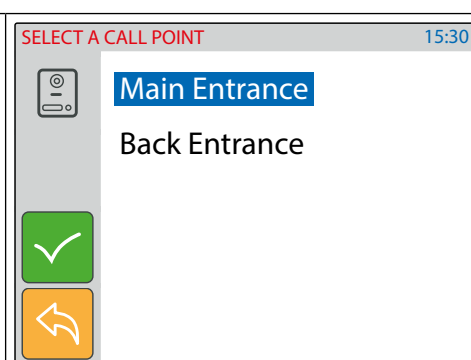
Fig. 55 Select the door panel to recall
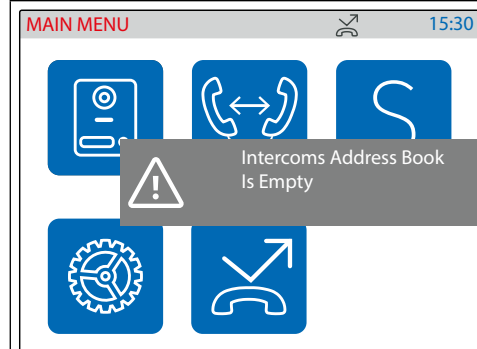
Fig. 56 Intercoms Address Book is Empty
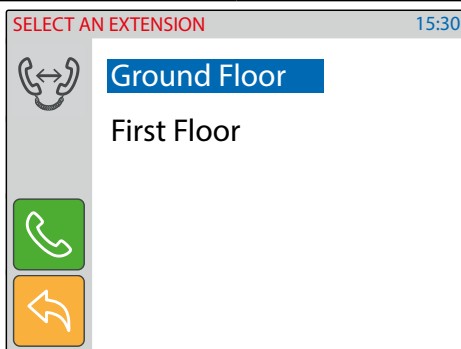
Fig. 57 Select the extension to call
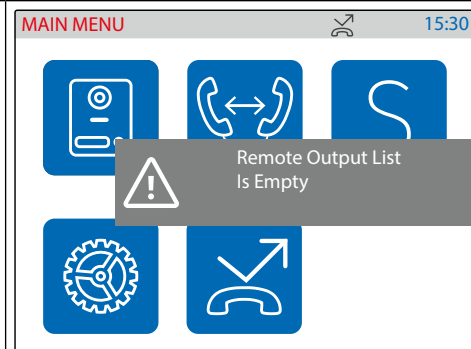
Fig. 58 Remote Output List Is Empty
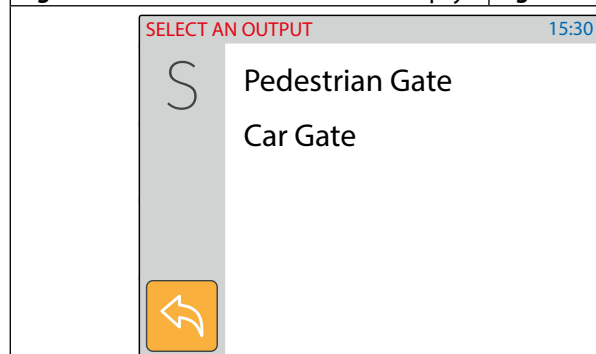
Fig. 59 Select the relay to activate
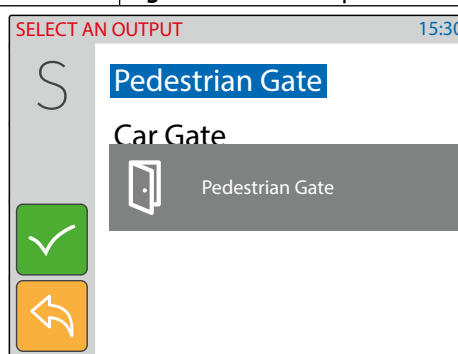
Fig. 60 Tap on tick button to activate the relay

VIEW THE EVENT LOG

The videophone stores a list of events (external calls and internal calls) with the event date & time. On any external call, the videophone stores also a picture of the visitor. The events are described by 2 icons (a speaker unit for door panel events and an intercom for indoor station events) and 3 different colours:

- green = external/internal incoming call answered.
- blue = Outgoing calls. Camera recall if the icon is a speaker unit and intercommunicating if the icon is a intercom.
- red = external/internal incoming call missed.

- Tap on the event log icon (**Fig. 61**).
- Tap on the event that you want to inspect (**Fig. 62**)
- You can tap and keep pressed the eye icon to see a picture showing the event source, date & time if it is an external communication (**Fig. 63**) or no picture (**Fig. 64**) in all other cases.
- Once you have selected the event you can tap on the call button: the call will proceed as a camera recall (**"Camera recall" on page 23**) if it is a door panel event otherwise it will proceed as an intercommunicating call (**"Intercommunicating call" on page 25**) if it is an indoor station event.
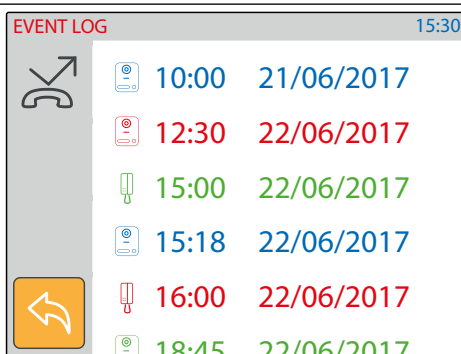
Fig. 61 Events list

Fig. 62 External missed call
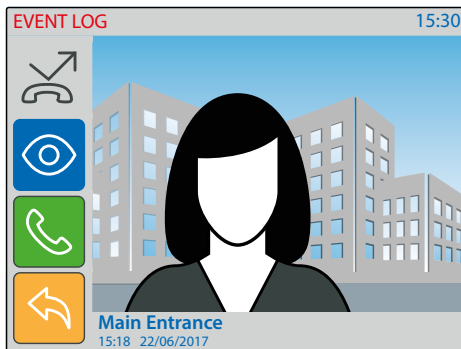
Fig. 63 External lost call picture stored
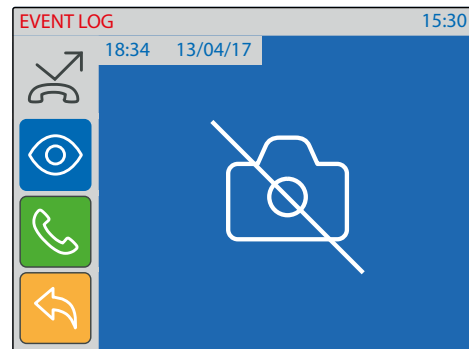
Fig. 64 Internal missed call

INPUTS / OUTPUTS OPERATION

The operation of the input/output terminals is not programmable and operate how follows:

- When IN1 is active (active low input) or when the videophone is in the ringing status, relay 1 is activated: terminals "OUT1" will link internally (i.e. it can be used to activate an external sounder when the visitor calls from outside the or if someone presses the local bell connected to IN1 and GND). Please see example diagram on **pag. 17**.
- While the videophone is ringing or in conversation with a door panel, if IN2 is active/triggered (active low input), the videophone sends a command to enable relay one of that door panel. This operation will be useful in cases where only authorised personnel are allowed to open the door/gate from the handset (i.e. with the 0⊓ button disabled, and a volt free output of an access control keypad/proximity system connected to IN2 and GND of the 6296 the user will have to activate the keypad or proximity system in order to open the door/gate). Please see example diagram on **pag. 17.**

Please note; If this operation is required, ensure the relevant controlled outputs are not present in the service list of the videophone and the 0⊓ button is also disabled.

FACTORY DEFAULT PROCEDURE FOR VIDEOPHONES SUPPLIED WITH VIDEOKITS

The following procedure can be used to reset and pair the videophone and entrance panel supplied in a one apartment or two apartment kit. Once paired the door panel will call the videophones without any further setup required. Additional setup is optional to set device names, specific IP addresses etc. The default IP addresses are:
Entrance panel 192.168.1.180 // **Videophone 1** 192.168.1.181 // **Videophone 2** 192.168.1.182

ART. 6296 VIDEOPHONE RESET FOR ONE OR TWO APARTMENT VIDEO KIT

The videophone is required to be open for this procedure
1. Power down the videophone;
2. Restore the power keeping pressed the 🔓 and 🔔 buttons (**Fig. 65**) until the **S** and 🔓 LEDs start flashing together (**Fig. 66**)*;
3. To setup which videophone is the first and which is second, press and keep pressed one of the following buttons until only the relevant LED remains ON:
    *   The 🔓 button for the first monitor of a one way or two way video kit (**Fig. 67**);
    *   The **S** button for the second monitor of a two way video kit (**Fig. 68**);
4. When the button is released, the monitor emits one long beep (videophone one) or two long beeps (videophone two) then reboots with the new settings.

* if the monitor is connected to the cloud , the 🔓 LED flashes twice then the videophone will reboot without changing the settings, In this case, the IP wizard must be used to make any changes to the videophone settings.

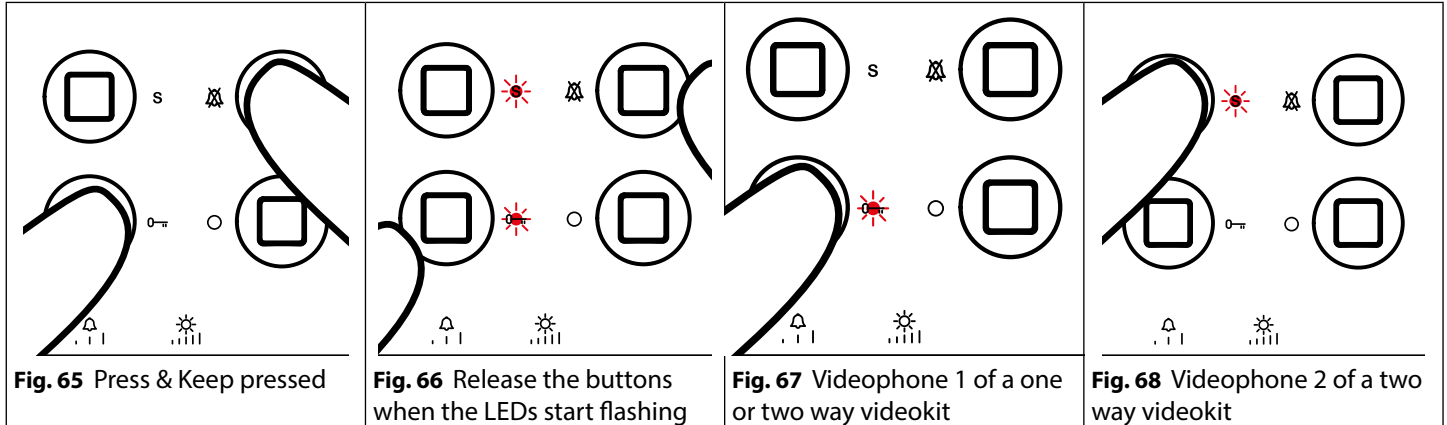| **Fig. 65** Press & Keep pressed | **Fig. 66** Release the buttons when the LEDs start flashing | **Fig. 67** Videophone 1 of a one or two way videokit | **Fig. 68** Videophone 2 of a two way videokit |

ENABLE BOOTLOADER MODE

In case of firmware update failure (i.e. because of mains failure or cable disconnection during the update etc.) and the videophone is no longer recognised by the Videx IP Wizard software, you can try to restore it by manually putting it into boot mode.

It is strongly recommended that this operation is carried out by a qualified engineer and in any case after a contact with videx support.

*   Disconnect the videophone from power supply (ethernet connector if supplied by POE or +12Vdc terminal connector if supplied by a power supply unit).
*   Press and keep pressed **S** button then connect again the power supply source (ethernet connector if supplied by POE or +12Vdc terminal connector if supplied by a power supply unit).
*   The videophone will go into boot mode which is indicated by the four LED's flashing alternatively (**Fig. 69**).
*   Now proceed using the utility "VidexFirmwareUpdater.exe" to upload the firmware to the device.
*   If the update process terminates correctly, the device should be restored and ready to work.
*   If the device still does not work, please contact the supplier to proceed according to the warranty terms.

Fig. 69 Monitor in boot mode
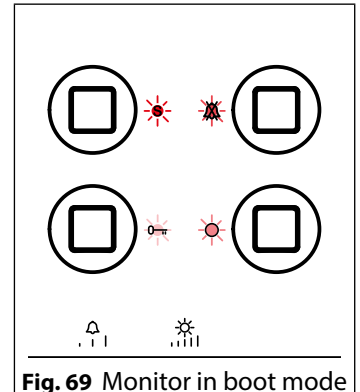
SIGNALS ON CONNECTION TERMINALS

GNDI	Ground for **IN1** and **IN2** inputs
IN2	Active low input 2 (to implement)
IN1	Active low input 1 (to implement)
OUT2	Relay 2 - **C** & **NO** dry contacts (to implement)
OUT2	
OUT1	Relay 1 - **C** & **NO** dry contacts
OUT1	
+12	12 Vdc power supply input. This is not used if the videophone is connected to a POE Switch or Router
GND	
A	RS-485 connection
B	
GND	

TECHNICAL SPECIFICATIONS

Housing/Mounting:	6200 Series Videophones Surface mount
Push buttons:	Yes, 4
Programming:	Yes, carried out by the buttons and the PC.
Controls:	Call tone volume, brightness
Power Supply:	12Vdc or POE
Power consumption:	Stand by: 250mA Operating: 250mA
Working Temperature:	-10 +50 °C

6200 Series Videophone wall mounting instructions

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7
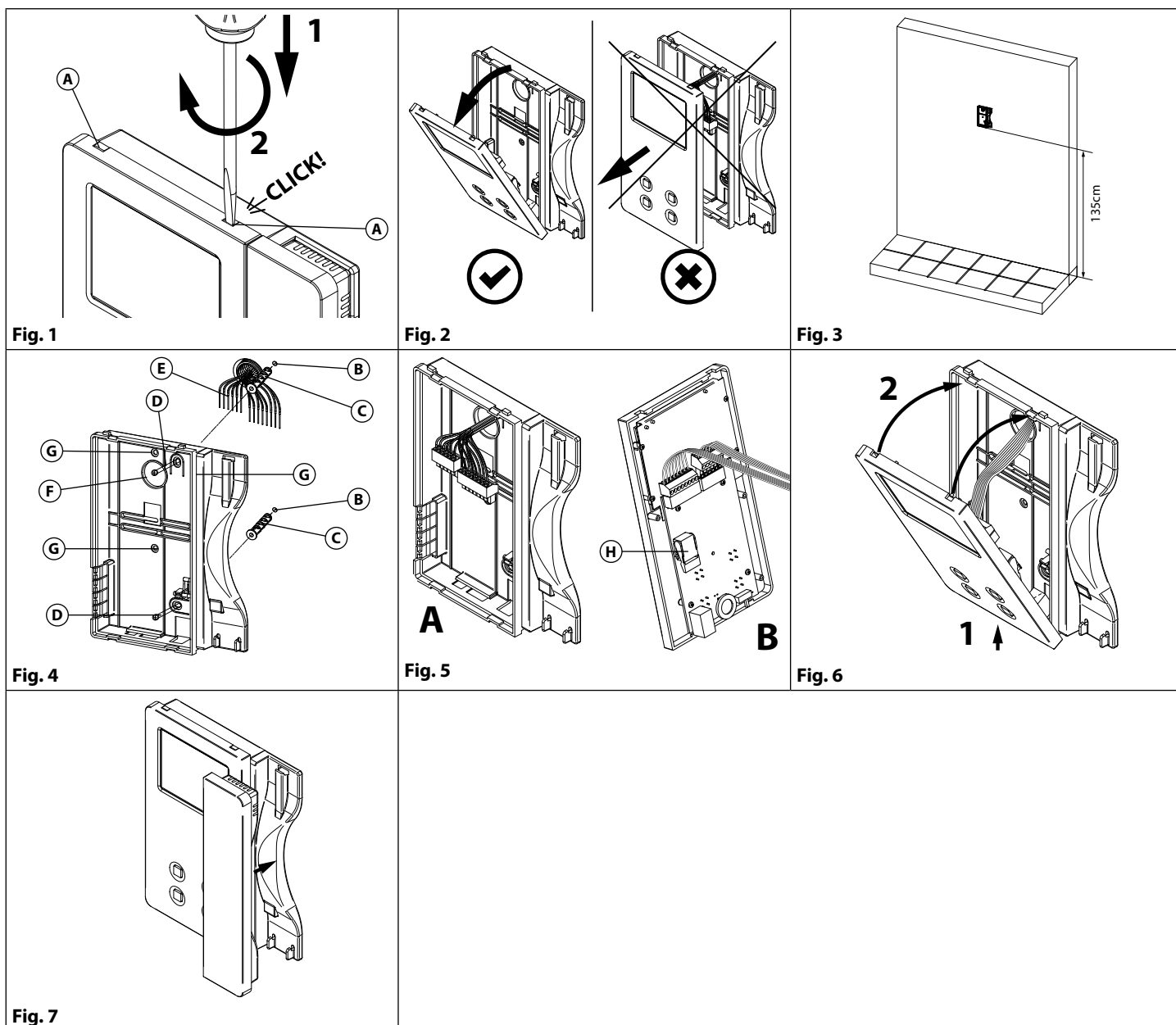
1. In order to install the videophone, it is necessary to remove the cover, which contains all the electronics, from the base: firstly disconnect the handset from the videophone (by removing its plug from the videophone) then insert a 5.5mm flat screw driver into the clip Ⓐ then rotate clockwise until you listen a **"CLICK!".**
   Repeat the same operation with the other clip as shown in **Fig. 1**.
2. Pull outwards the top part of the cover as shown in **Fig. 2**. **Don't pull the cover straight**.
3. Put the base of the unit on the wall at approx 135cm from the finished floor (**Fig. 3**) to mark the points for the fixing holes Ⓑ (**Fig. 4**) remembering that the wires Ⓔ (**Fig. 4**) must be fed through the hole Ⓕ (**Fig. 4**). If you use the flush mounting box 503, embed it into the wall vertically at approx. 140cm from the finished floor and the base.
4. Following **Fig. 4**, make the holes Ⓑ, insert the wall plugs Ⓒ and fix the base with the screws Ⓓ feeding the wires Ⓔ into the hole Ⓕ. If you have used the box 503, fix the base to the wall through the holes Ⓖ using the screws Ⓓ.
5. As shown in **Fig. 5A**, connect the wires to the removable terminals following the provided installation diagram. Connect the terminal blocks to the electronics contained in the cover as shown in **Fig. 5B**. Reinsert the handset and test system before closing. **Note: Contrast and hue trimmers can be adjusted only if the videophone is open. Note while testing the system, it is advisable to hold the cover with your hand closing manually the hook switch of the handset (see Fig. 5B reference Ⓗ).**
6. Once testing is complete and all the necessary adjustments are made, disconnect the handset from the cover and close the unit as shown in **Fig. 6**: first hook it on the bottom then push in the top until you hear a **"CLICK!"**.
7. Reconnect the handset and hang it as shown in **Fig. 7**.

Windows setup static IP address

DESCRIPTION

In order to setup the Videx IP system the PC running the VIDEX IP wizard and all the VIDEX IP devices must be connected on the same LAN. Once the physical connection is made, the PC's network card must be properly set and connected to the LAN mentioned above. To achieve this please follow the instructions below.

WINDOWS SETUP STATIC IP ADDRESS

The picture refer to the Windows 10 operating system but you can proceed in a similar way under Windows 7.

Open the control panel by right clicking on the start menu or searching it from the search box.
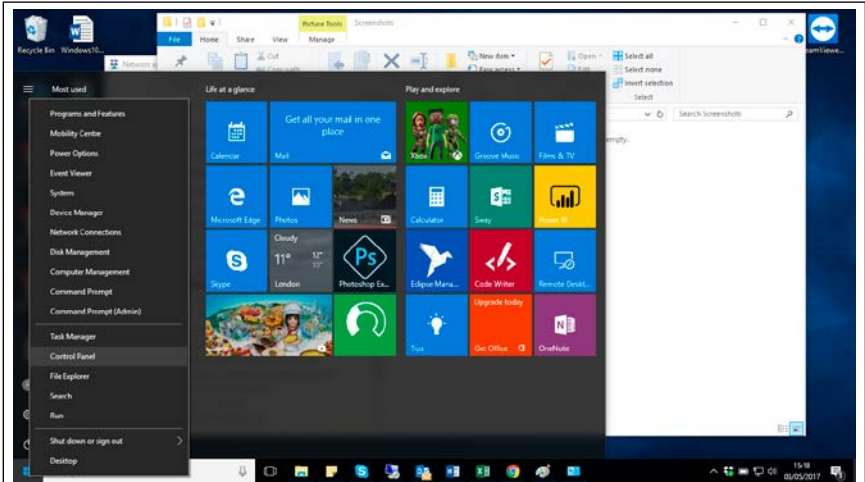
Fig. 1 Open control panel

Under control panel items, click on "Network and Sharing Centre".
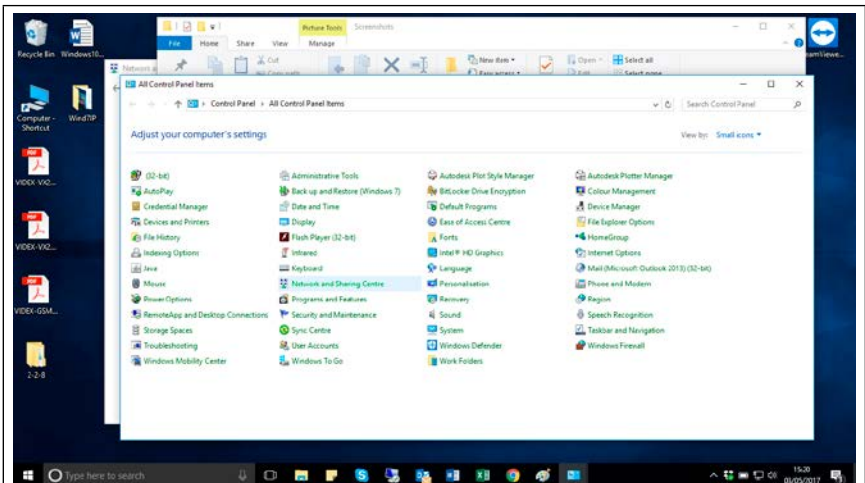
Fig. 2 Select "Network and Sharing Centre"

Under "Network and Sharing Centre" click on "Change adapter settings" on the left side of the window.
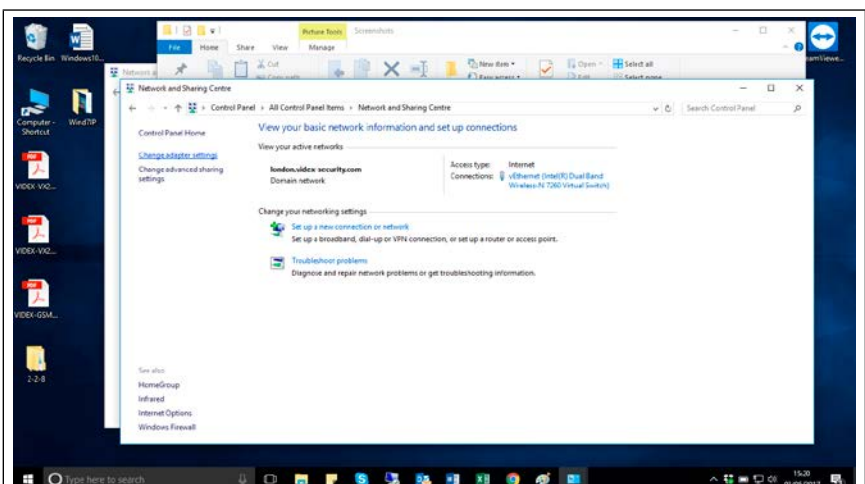
Fig. 3 Select "Change adapter settings"

Under "Network connection", right click on the network card used for the LAN connection to the VIDEX IP System then click on "Properties"
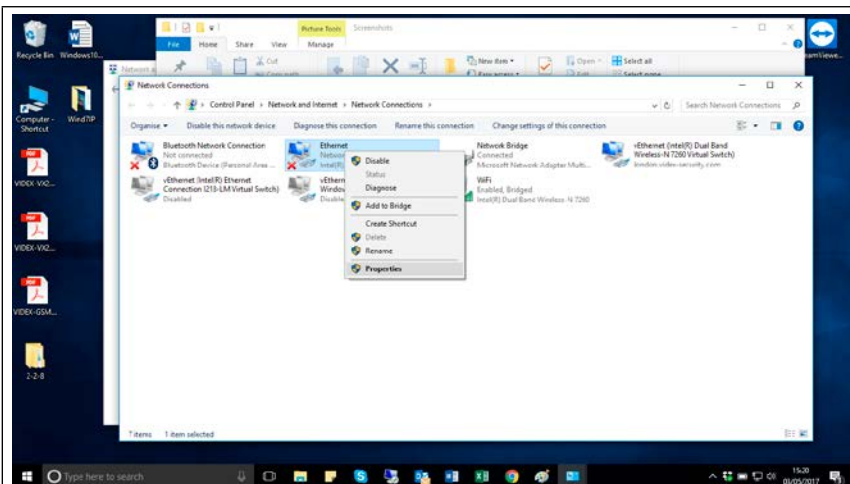
Fig. 4 Edit network card properties

Under "Ethernet Properties" slide down to find "Internet Protocol Version 4 (TCP/IPv4)", click on it then click on the "Properties" button.
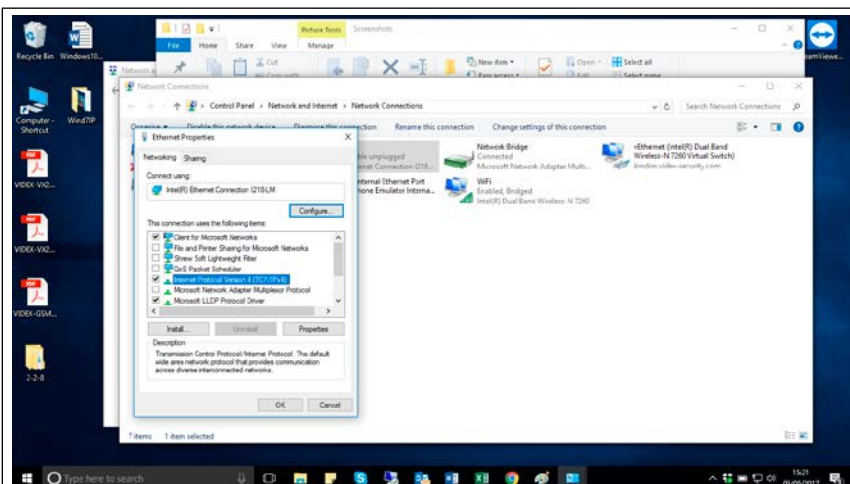
Fig. 5 Select "Internet Protocol Version 4 (TCP/IPv4)"

Under "Internet Protocol Version 4 (TCP/IPv4) Properties" click on the radio button "Use the following IP address" then set the
IP Address "172.20.0.1",
Subnet mask "255.255.0.0"
and leave the other fields empty as shown in the picture.
Click the "OK" button then close "Ethernet Properties".
Now the PC's network card is properly configured to run the VIDEX IP wizard software.
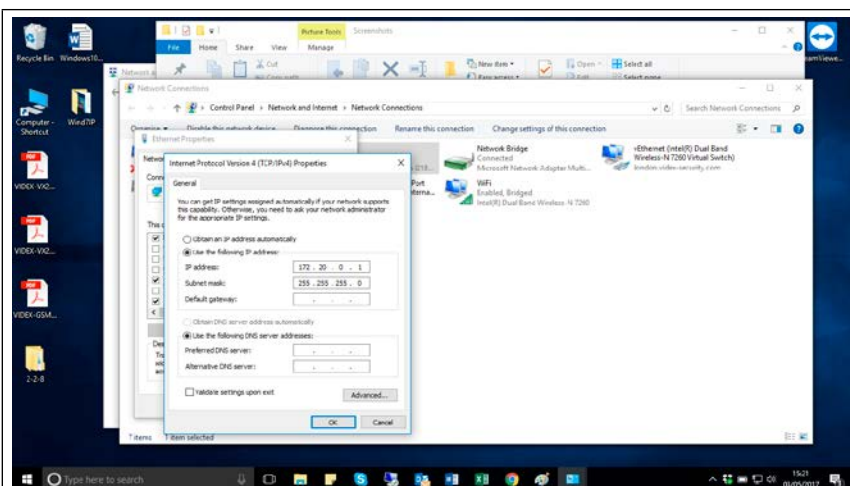
Fig. 6 Set IP address and subnet mask

VX IP WIZARD Wizard configuration software for VIDEX IP System

DESCRIPTION

The VX IP WIZARD is a configuration software for the VIDEX IP System and runs on Windows 7 or higher operating systems. Install the software then run the "VIDEX IP WIZARD" with administrator rights (**Fig. 1**). While the VX IP WIZARD is running, it is required to create a rule for this software on Windows firewall (not to disable the firewall).

The system uses a specific network class address, before starting the configuration it is necessary to change the network card IP address as described in the 'preliminary network setup' section. For the system configuration it is strongly recommended to use a PC with two network cards, one connected to the VIDEX IP SYSTEM and one connected to a network that can access the web to be able to receive Online support (For example a laptop with an Ethernet connection and a Wifi connection).

The IP kits are configured to work out of the box. The wizard may be used to change these default settings.

Fig. 1 VX IP WIZARD

SYSTEM CONFIGURATION

The system configuration consists of
- Device detection & initialisation.
- Outdoor panel settings
- Video intercom settings
- Edit Device Global Parameters
- Edit System Preferences
- Register the installation site on the Videx Cloud for use with the Videx Cloudnected client app

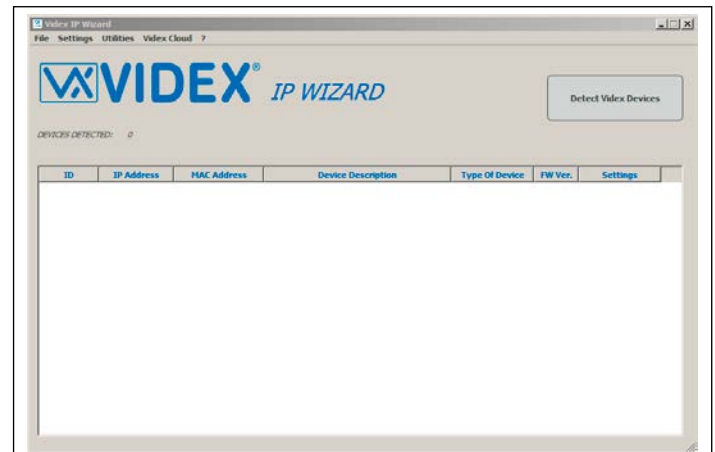During the system configuration it is strongly recommended to give a descriptive name to each device & relay that will identify the device location and the relay function i.e.:
- "Main Entrance" can be the device description of the door panel at the front entrance.
- "Pedestrian Gate" can be the description for the relay that enables the pedestrian gate.
- "Vehicle Gate" can be the description for the relay that enables the vehicle gate.
- "Ground Floor" in an apartment system can be the description of the videophone installed on the ground floor.
- "First Floor" in an apartment system can be the description of the videophone installed at the first floor.

These names will be shown during the operation and will make it easier to configure, test and use the system.

It is strongly recommended to do the setup in two steps, first setup all the network and device names and a second step to setup functionality.

The correct assignment of names to each device and service will simplify the system setup.

Note that according to the installation size and the network traffic of the system to which the devices are connected, may happen that some operations some functions may not be immediate: i.e. after a firmware update of a device, may be necessary some seconds before the device is recognized again by the Videx IP Wizard, in these cases please repeat the operation.

DEVICE DETECTION & INITIALISATION

- Setup the network card connected to the system as explained in the preliminary network setup section.
- Run the "Videx IP Wizard.exe" with administrator rights.
- If windows firewall is running, the first time that you launch the software you may receive a safety warning (**Fig. 2 on page 33**): please allow the "Videx IP Wizard.exe" to connect to all types of network (local or public).
- On first time installation the software shows a notice (**Fig. 3**) that says that there are devices not initialised and requests confirmation to initialise them. The videophones show the "DEVICE NOT INITIALISED" screen (**Fig. 4**).
- Click on yes to automatically initialise all the devices connected to the system.
- The software initialises all the devices giving them a generic name and an IP address. Under settings->preferences you can set the default prefix description for door panels and the default prefix description for the videophones. By factory default the prefix for door panels is "DP__" and the prefix for videophones is "VP__". During the initialisation all devices will be automatically assigned a device name that will be a combination of the prefix plus the device ID. Under settings->preferences the following default values can also be assigned:
  » The default start ID;
  » The default first IP address
  » The default subnet mask
  » The default gateway
  In the preferences menu it is possible to enable the features to accept the connection from devices (to allow to go directly to the device configuration by simply pressing a button on it) and to work in OFFLINE mode (to allow the system to be used as normal while editing parameters of one or more devices).

- The devices go into the "maintenance mode" showing the maintenance screen (**Fig. 5**).
- The wizard shows the devices detected (**Fig. 6**), the orange rows are outdoor panels while the yellow rows are indoor stations.
- On the device grid list you can edit directly the "Device ID", the "IP Address" and the "Device Description" (**Fig. 7**). Any change will be uploaded immediately to the device if you are working in standard mode, otherwise will be uploaded to the devices when you press the button "Apply Changes to Devices" if you are working in "OFFLINE MODE" (in "OFFLINE MODE" these settings cannot be changed from the program main window, but only on device configuration window).
- When you operate in "OFFLINE MODE" the header of the "Videx IP Wizard.exe" changes as shown in **Fig. 8**.
  » The software temporarily locks the devices during the detection then automatically releases them.
  » It is possible to make changes to the operations of devices while set to "OFFLINE MODE". However, operation changes that require an on-line connection such as "firmware update" or "connections from device" will not be possible while in this mode.
  » Once the required changes are made, you can upload the changes to the devices by pressing the button "Apply Changes To Devices".

As mentioned above, it is strongly recommended to name all devices with a descriptive name.
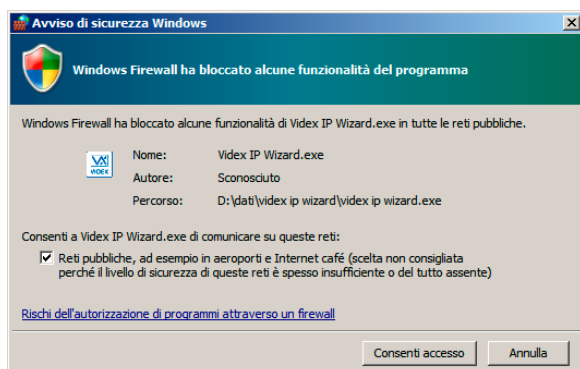

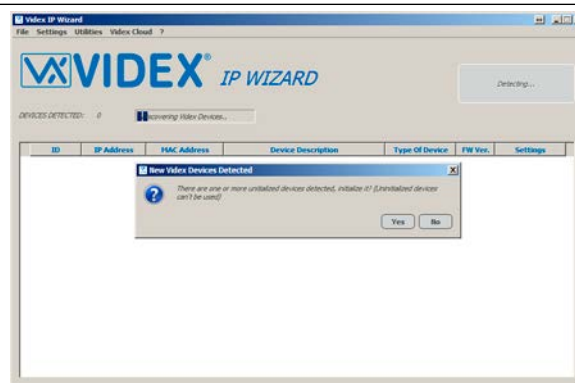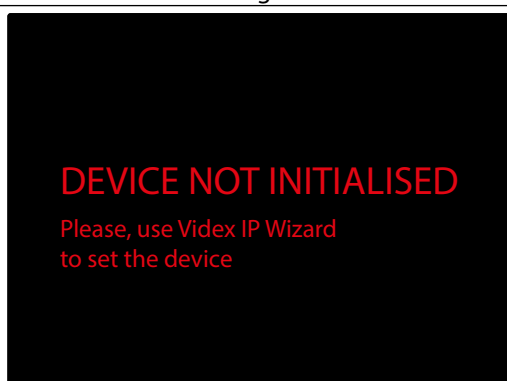**Fig. 2** Windows Firewall Warning

Fig. 3 New devices detected

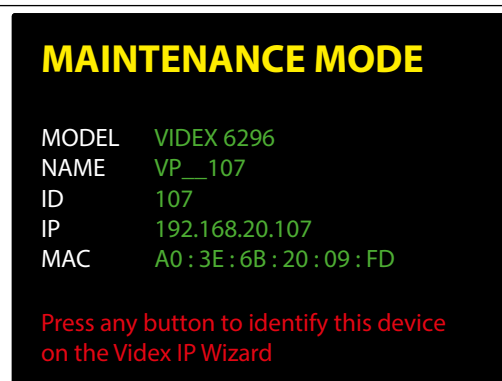**Fig. 4** Device not initialised

Fig. 5 Device in "maintenance mode"

Fig. 6 Device detected

Fig. 7 Editing Device Description

Fig. 8 OFFLINE MODE operation

SETTINGS
The settings menu is available to set system parameters and preferences.

EDIT DEVICE GLOBAL PARAMETERS
Under this menu (**Fig. 9 on page 35**) you can edit the following parameters:
- "**Conversation Max Time**"; specifies the maximum duration of the conversation once the resident answers the call. After which the call will automatically end.
- "**Ringing Max Time**"; specifies the length of time the system will wait for a call to be answered before clearing the call down.

It is also possible to set the devices date & time either by using the current PC's date and time (**Fig. 9**) or by setting the date and time manually (**Fig. 10**).

PREFERENCES
Under the section "DEFAULT SETTINGS FOR NEW DEVICES" (**Fig. 11**) you can edit the following preferences:
- "**Default description prefix for new video door panels**" This prefix will be combined with the device ID to create the default door panel name. The prefix will be automatically combined with the device ID during the devices initialisation*.
- "**Default description prefix for new video intercoms**" This prefix will automatically be combined with the device ID to create the default video intercom name. The prefix will be automatically combined with the device ID during the devices initialisation*.
- "**Default first ID for new devices**" First numeric ID to use for new devices. If the starting ID is 100, in a system including 10 devices, the last ID will be 109.
- "**Default first IP address for new devices**" Starting IP address to assign to new devices. If the starting IP address is 192.168.20.10, in a system including 10 devices, the last IP address used will be 192.168.20.19.
- "**Default Subnet for new devices**" subnet for the network in which the intercom will be installed.
- "**Default gateway for new devices**" gateway for the network in which the intercom will be installed.

Under the section "NETWORK SETTINGS" you can:
- Select the network card to which the IP system is connected.
- Or check the box that allow the Wizard to automatically select the network card to which the IP system is connected.

Under the section "ADVANCED SETTINGS" you can check:
- "**Work in OFFLINE Mode**" if enabled, you can edit the device properties without locking up the entire system. While in this mode some operations that require a direct connection (firmware update etc.) will not be possible."
- "**Accept Connections from Devices**" this option is not available when "OFFLINE Mode" is active. When this option is active, once the devices are detected, pressing any button on a device (door panel, videophone etc.) will automatically open the corresponding properties menu (this feature is very useful when I am setting a door panel and I don't know to which device it corresponds among those listed in the wizard)

* To easily identify different devices type.

UTILITIES
This option can be used to reset one or more devices to their factory default settings.

RESET ONE OR MORE DEVICE TO FACTORY DEFAULTS
Through this menu you can select one or more devices up to all devices installed in the system (**Fig. 12**).
Once the devices that need to be reset are selected, press the button "reset devices" (**Fig. 12**) then the software asks for confirmation (**Fig. 13**) , press "Yes" button then all selected devices will be reset to their factory default settings: the videophones will show the screen in **Fig. 14** and the door panels will switch off all four LEDs.

Take care when selecting this option as all programmed settings will be lost. i.e. all device names, device network settings, button configurations and output selections.

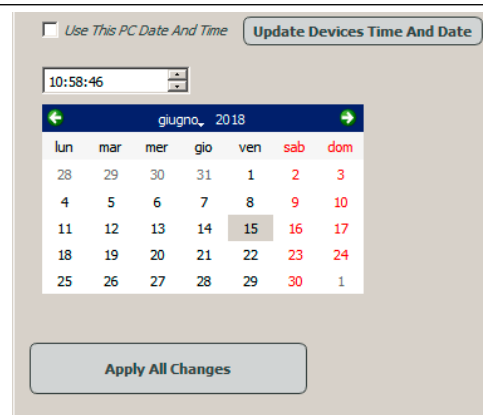**Fig. 9** Edit Device Global Parameters

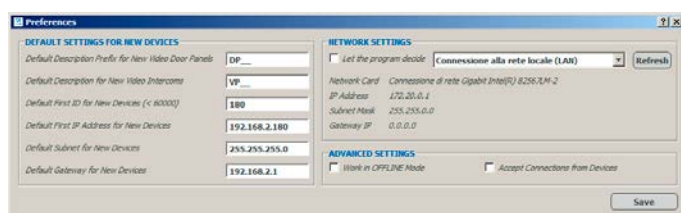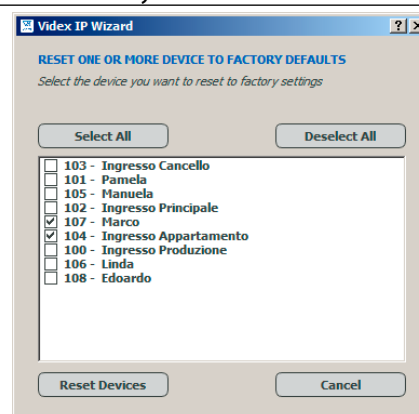
Fig. 10 Set date & time by values

Fig. 11 Edit Preferences

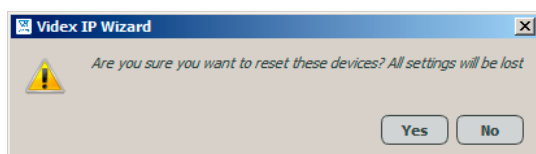**Fig. 12** Reset devices to factory defaults

Fig. 13 Reset one or more device to factory defaults

Fig. 14 Device not initialised

SETTING UP AN OUTDOOR PANEL 4533 - FUNCTIONAL DOOR PANEL

In the device list window (**Fig. 15 on page 37**), click on the button "Edit Properties" of one "OUTDOOR PANEL" model 4533.

If you are unsure which door panel is which, you can enable the flag "ACCEPT CONNECTION FROM DEVICES" (under the menu option Settings->Preferences) then press any button on the door panel to open the settings for that door panel.

The "***OUTDOOR PANEL SETTINGS***" window (**Fig. 16**) shows the following device information:

- **The Device Model**
- **The firmware version**
- **The hardware version**

Then there is a section of editable fields*:

- **The Device IP**
- **The Subnet Mask**
- **The Gateway IP**
- **The Device ID**
- **The Device Description**

*If you are not sure, contact your system administrator to set the correct IP Address, subnet mask and Gateway.

It is recommended to set a descriptive "***DEVICE DESCRIPTION***" that identifies the area where the device is installed i.e. "Main Entrance", "Back Entrance" etc.

Under the "***GENERAL***" tab (**Fig. 16**) you can set:

- The **Video Quality** For every kind of connection you can select among 5 levels - Note that a higher quality requires a higher bandwidth so for direct connection to monitor you can select the maximum quality, for a connection to a client in the LAN you can select a medium quality while it could be suggested to select a low quality for a client connected through wan;
- The **Levels** for
  » The **Reassurance Tone** (3 levels) that is the reassurance tone emitted during a call that confirms the call in progress;
  » The **Microphone** Gain (3 levels);
  » The **Loudspeaker** Gain (3 levels);
- The **External Camera Connection**. When the external camera is connected, it is required to set the default video signal which will be shown during the call (Either the internal camera or the external camera). For both, built in and external camera, it is possible to set a name.
- The **Noise attenuation**: check the box to activate the noise attenuation feature. When the outside environment is particularly loud, it may be useful to enable this feature.

The "***APT.***" tab (**Fig. 17**) allows configuration of each call button to call one or more devices:

- The "**Choose Button:**" list box will select the button you are assigning intercoms to (2 built in buttons / up to 40 external buttons).
- The "**Add Intercom To Button**" assigns the intercom selected through the "**Available Intercoms:**" list box to the selected call button. One or more intercoms (Up to a maximum of 16) can be assigned to each button. Any intercom can be assigned to one or more buttons. If 2 or more intercoms are assigned to one button, the "**Cascade Mode:**" can be enabled: it allows cascading call among all intercoms assigned to the button, the call is diverted to the next device after the "**Cascade Ringing time**" set.
  » If you don't know the button number of the button that you are programming, you can click on "**Identify Button**", the software then waits for a button to be pressed. Once the button is pressed it is automatically selected, if nothing happens when you press the push button, please, take care, you are probably editing properties of another door panel or the module of the external button is not properly connected or set.
  » To remove a videophone from the list of assigned devices click on the "**Delete**" button.
  » In the field "**Enable SIP call to:**" enter the SIP ID to call when the button is pressed. If the door panel is set to work with a third party SIP server and you need this button to call a SIP device then this field will need to be filled.

The "***I/O***" tab (**Fig. 18**) allows configuration of the door panel input/outputs. The door panel has two active low inputs and two dry contacts relay, both, the input and the relays can be set the operating mode:

- The "**INPUTS**" are the active low inputs and can be assigned as follows (typical application of inputs is for the inside button used to open directly the door) :
  » Ignore: the input status is ignored.
  » Activate Relay 1: when the input is triggered, relay 1 will activate.
  » Activate Relay 2: when the input is triggered relay 2 will activate.
- The "**OUTPUTS**" section configures:
  » The names of the two relays (the door panel has two built-in dry contacts relays, remember to set a name relevant to the relay service i.e. "Vehicle Gate" or "Pedestrian Gate");
  » The relay operating mode
    › NORMAL for standard relay operation (C and NO internally linked when enabled)
    › LATCH for toggle relay operation (each time the relay is enabled it toggles its status so you can have C and NO permanently linked or permanently disconnected)
  » The activation time for each relay, the time that the relay remains active when enabled;
  » The time to keep a call alive after the relay has energised. This can be useful to be able to see on the monitor that the visitor has entered before ending the call.

By enabling the check box "**Advanced Mode**" it is possible to test the two relays by pressing the buttons "Trig Relay 1" and "Trig Relay 2"

The "*SIP CLIENT*" tab (**Fig. 19**) allows to configure the door panel to work with third party SIP servers. Please refer to SIP server specification to set all required parameters. **Please note**, while the required parameters are not entered, the "**Apply All Changes**" button is disabled.

The "*ADVANCED*" tab (**Fig. 20**) allows the operator to make ajustments for speech quality "**ECHO CANCELLATION**" section, for video quality "**CAMERA SETTINGS**" section, for network connection quality "**KEEP ALIVE SETTINGS**" and allows to unlink the device from VIDEX CLOUD. **Note**, to set third party SIP CLIENT, the device must be previously unlinked from VIDEX CLOUD.

Once all settings are made, click on the button "**Apply All Changes**" to transfer the configuration to the door panel and wait for the notice "**Device correctly updated**".
Repeat the same steps for all the outdoor panels 4533 connected to the system.
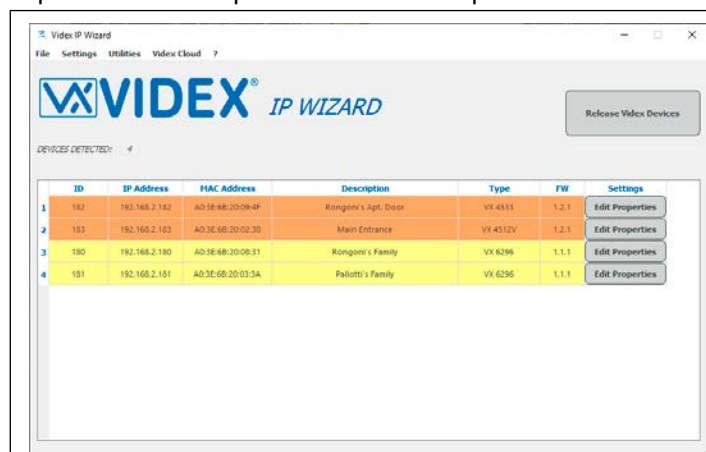

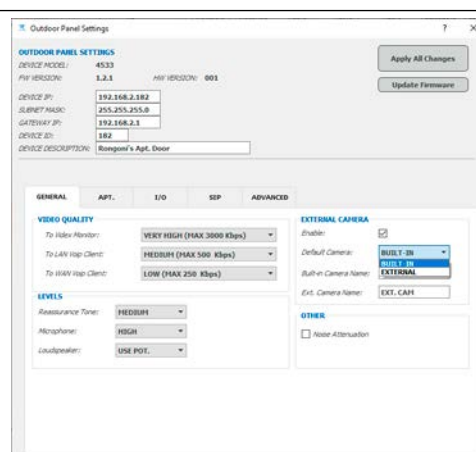**Fig. 15** Edit door panel properties

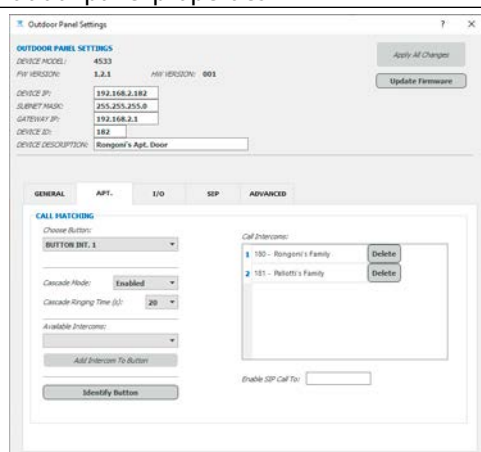**Fig. 16** Outdoor Panel 4533 - GENERAL SETTINGS

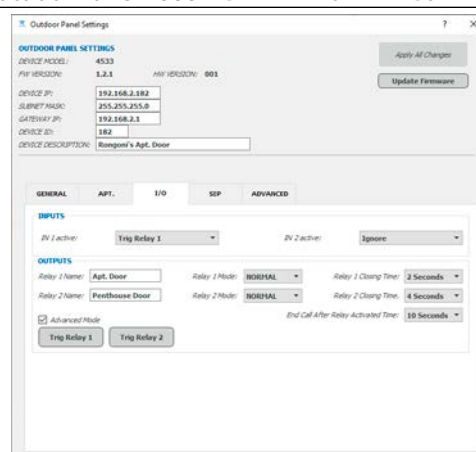**Fig. 17** Outdoor Panel 4533 - APT. SETTINGS

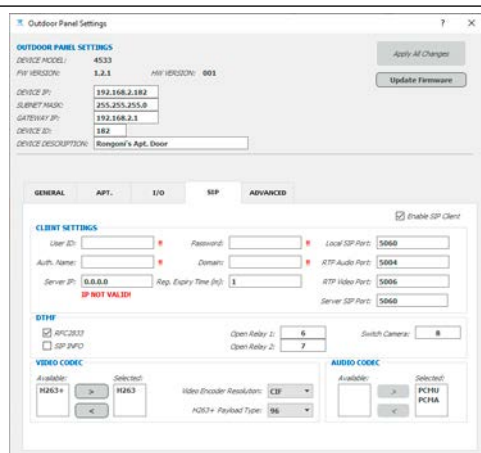**Fig. 18** Outdoor Panel 4533 - INPUTS / OUTPUTS

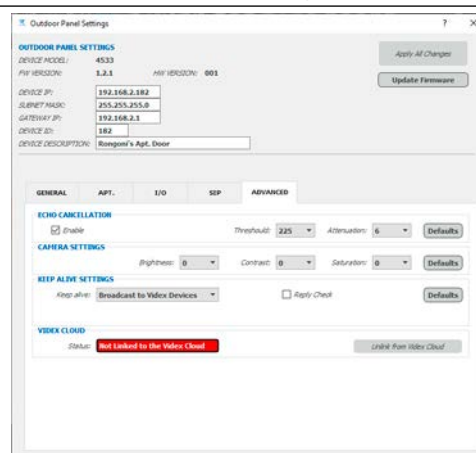**Fig. 19** Outdoor Panel 4533 - SIP CLIENT

Fig. 20 Outdoor Panel 4533 - ADVANCED SETTINGS

SETTING UP AN OUTDOOR PANEL 4512 - DIGITAL DOOR PANEL WITH KEYPAD

In the device list window (**Fig. 21 on page 39**), click on the button "Edit Properties" of one "OUTDOOR PANEL" model 4512.

If you are unsure which door panel is which, you can enable the flag "ACCEPT CONNECTION FROM DEVICES" (under the menu option Settings->Preferences) then press any button on the door panel to open the settings for that door panel.

The "*OUTDOOR PANEL SETTINGS*" window (**Fig. 22**) shows the following device information:

- **The Device Model**
- **The firmware version**
- **The hardware version**

Then there is a section of editable fields*:

- **The Device IP**
- **The Subnet Mask**
- **The Gateway IP**
- **The Device ID**
- **The Device Description**

*If you are not sure, contact your system administrator to set the correct IP Address, subnet mask and Gateway.

It is recommended to set a descriptive "***DEVICE DESCRIPTION***" that identifies the area where the device is installed i.e. "Main Entrance", "Back Entrance" etc.

Under the "*GENERAL*" tab (**Fig. 22**) you can set:

- The **Video Quality** For every kind of connection you can select among 5 levels - Note that a higher quality requires a higher bandwidth so for direct connection to monitor you can select the maximum quality, for a connection to a client in the LAN you can select a medium quality while it could be suggested to select a low quality for a client connected through wan;
- The **Levels** for
  » The **Reassurance Tone** (3 levels) that is the reassurance tone emitted during a call that confirms the call in progress;
  » The **Microphone** Gain (3 levels);
  » The **Loudspeaker** Gain (3 levels plus "use potentiometer" option to allow hardware adjustment from the panel);
- The **Home Screen** for which you can set 3 rows of text and for each row you can establish the text size. This text will be shown on the door panel display during the system stand-by.
- The **External Camera Connection**. When the external camera is connected, it is required to set the default video signal which will be shown during the call (Either the internal camera or the external camera). For both, built in and external camera, it is possible to set a name. The name will be shown on videophone's display during the conversation.
- The **Noise** option. Checking this option activates the noise attenuation, it is useful for those outdoor environments that are particularly loud.
- The **Voice** option. By checking this option the loudspeaker, during operation, will emit voice messages concerning the operation executed.
- The **Bell Button** function (only for 4512R). By checking this option, the "Bell" button is enabled to call the apartment number specified in the "CallApt. No:" field.

The "*APT.*" tab (**Fig. 23**) allows apartments to be set. Under this section a calling code ("Apt. No.") and a calling description ("Name") are set to all apartments that can be called by this door panel.

- The "**APARTMENTS TABLE**" section allows big changes to be made to the apartments table and/or to edit, enable & delete a single apartment.
  » To edit "Apt.No" or " Name", double click on the relevant cell.
  » To enable/disable the aparment, click on the relevant check box.
  » To delete one apartment, click on the relevant "x".
  » To automatically fill the apartments table, click on the relevant button: the table will be automatically filled generating one apartment per intercom using the intercom "ID" as "Apt. No" and the intercom "Description" as " Name".
  » To empty the apartments table, click on the "Delete All" button.
  » To modify the intercoms linked to one apartment, first select the apartment in the table then edit the linked intercoms in the relevant section.
- The "**CREATE APARTMENT**" section allows a new apartment to be created. The fields Apt. No." (the number entered by the visitor to call the apartment) and "Name" (the name shown on the panel when the apartment is called) must be filled in.
- The section "**LINKED INTERCOMS AND SIP DEVICE**" allows the operator to link the apartment code to one or more intercoms and one SIP ID. If the fields "Apt. No" and "Apt. Name" are left empty, the fields are automatically filled respectively with the "ID" and the "Description" of the first intercom linked to the apartment. When the visitor enters the "Apt.No." at the door panel, all devices linked to this apartment number and "SIP ID" if set, will start to call.

The "*USERS SETTINGS*" tab (**Fig. 24**) allows users to be stored in the door panel memory. The users are used in combination with access codes and proximity keys for access control purposes.
- The "**USERS TABLE**" section allows big changes to be made on the users table and/or to edit, enable & delete a single user through the relevant section.
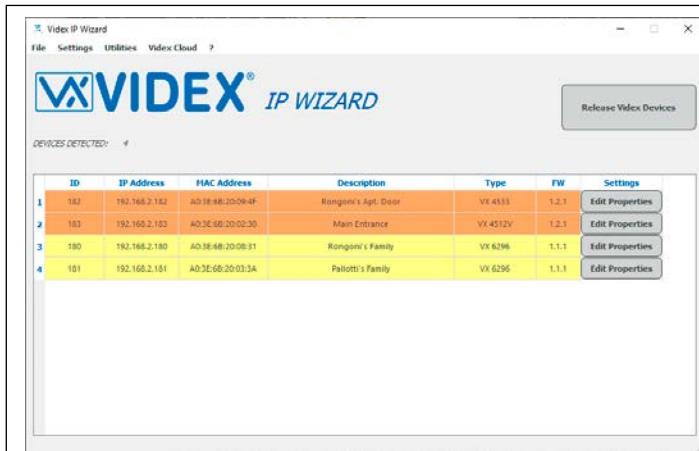
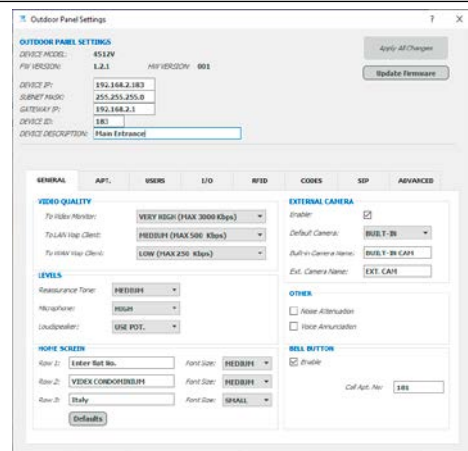

Fig. 21 Edit door panel properties
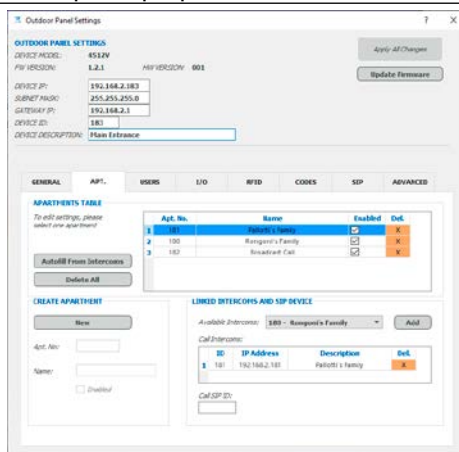

Fig. 22 Outdoor Panel 4512 - GENERAL SETTINGS

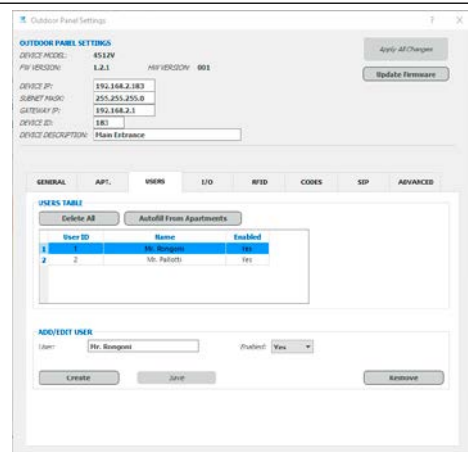**Fig. 23** Outdoor Panel 4512 - APARTMENT SETTINGS

Fig. 24 Outdoor Panel 4512 - USERS SETTINGS

The "*I/O*" tab (**Fig. 25**) allows configuration of the door panel input/output. The door panel has two active low inputs and two dry contacts relay, both, the input and the relays can be set the operating mode:
- The "**INPUTS**" are the active low inputs and can be assigned as follows (typical application of inputs is for the inside button used to open directly the door) :
  - » Ignore: the input status is ignored.
  - » Activate Relay 1: when the input is triggered, relay 1 will activate.
  - » Activate Relay 2: when the input is triggered relay 2 will activate.
- The "**OUTPUTS**" section configures:
  - » The names of the two relays (the door panel has two built-in dry contacts relays, remember to set a name relevant to the relay service i.e. "Vehicle Gate" or "Pedestrian Gate");
  - » The relay operating mode
    - › NORMAL for standard relay operation (C and NO internally linked when enabled)
    - › LATCH for toggle relay operation (each time the relay is enabled it toggles its status so you can have C and NO permanently linked or permanently disconnected)
  - » The activation time for each relay, the time that the relay remains active when enabled (when the operating mode is LATCH this field is disabled);
  - » The time to keep a call alive after the relay has energised. This can be useful to be able to see on the monitor that the visitor has entered before ending the call.
    By enabling the check box "**Advanced Mode**" it is possible to test the two relays by pressing the buttons "Trig Relay 1" and "Trig Relay 2"

The "*RFID*" tab (**Fig. 26**) allows proximity keys to be stored into the door panel memory.
- Under the "**READER**" section check "Enable" to enable the reader then adjust the "Key Length" according to the proximity keys in use.
- The "**TAGS**" section shows the keys currently stored showing "Site Code", "User Code", "Card No", "Trig Relay", "User" and "Enabled"
- The "**ADD/EDIT TAG**" section allows the operator to add/edit and remove a proximity key.

» Select a "User" , enter "Site Code", "User Code", activation status, relay to trigger then click "Add Key" button. If you enable the tag detection, the fields "Site Code", "User Code" are automatically filled. Using Videx Proximity keys, when the key length is set to "2 Byte", the "site code" is not required, the "User Code" is printed on the key.

» If the user linked to a key is disabled, the key will not operate also if enabled. The user activation status has priority against the key status.

The "*CODES*" tab (**Fig. 27**) allows the operator to store user access codes into the door panel memory.

• The "**ACCESS CODES**" section shows the access codes currently stored showing the "Access Code", the relay to trigger, the linked user and the activation status.

• The "**ADD/EDIT ACCESS CODE**" section allows the operator to add/edit an access code.

» Select a "User", enter the "Access Code", set the activation status, select the relay to enable then click "Save Access Code" button.

» If the user linked to a code is disabled, the code will not operate also if enabled. The user activation status has priority against the code status.

The "*SIP CLIENT*" tab (**Fig. 28**) allows the operator to configure the door panel to work with third party SIP servers. Please refer to SIP server specification to set all required parameters. **Please note**, while the required parameters are not entered, the "**Apply All Changes**" button is disabled.

The "*ADVANCED*" tab (**Fig. 29**) allows the operator to make ajustments for speech quality "**ECHO CANCELLATION**" section, for video quality "**CAMERA SETTINGS**" section, for network connection quality "**KEEP ALIVE SETTINGS**" and allows the operator to unlink the device from VIDEX CLOUD. Normally default settings do not require changes, operate on them only in case of particular environment condition.

Note: to set third party SIP CLIENT, the device must be previously unlinked from VIDEX CLOUD.

Once all settings are made, click on the button "**Apply All Changes**" to transfer the configuration to the door panel and wait for the notice "**Device correctly updated**".
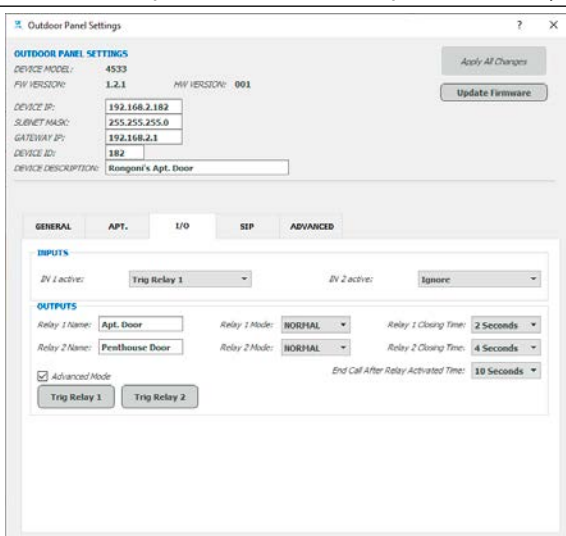Repeat the same steps for all the outdoor panels in the system.
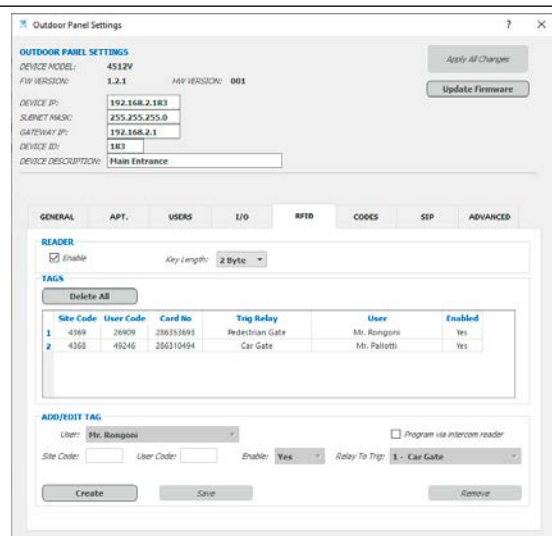

Fig. 25 Outdoor Panel 4512 - INPUT OUTPUTS
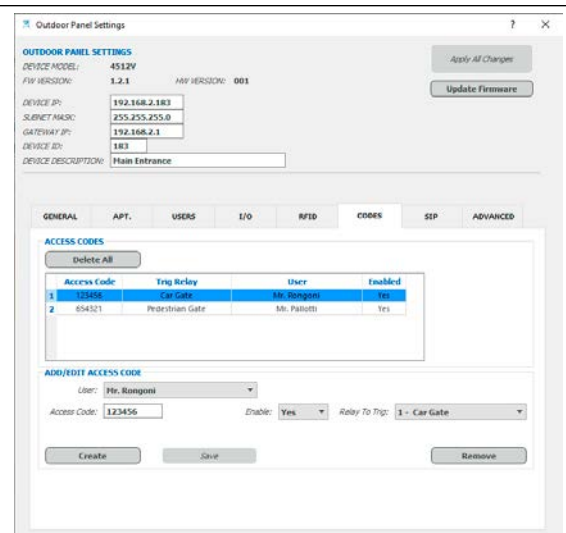

Fig. 26 Outdoor panel 4512 - RFID SETTING

Fig. 27 Outdoor Panel 4512 - CODES SETTINGS
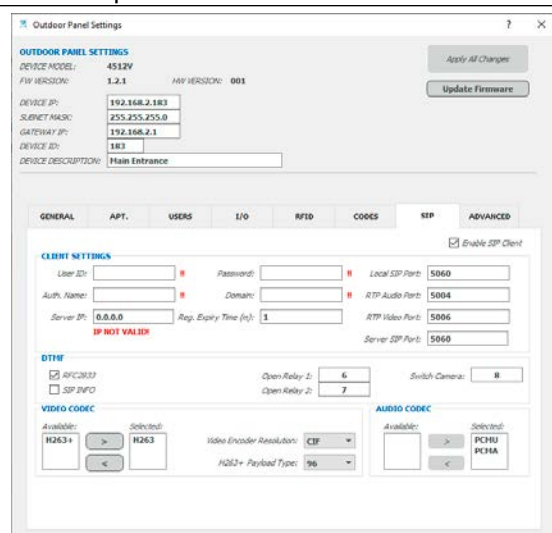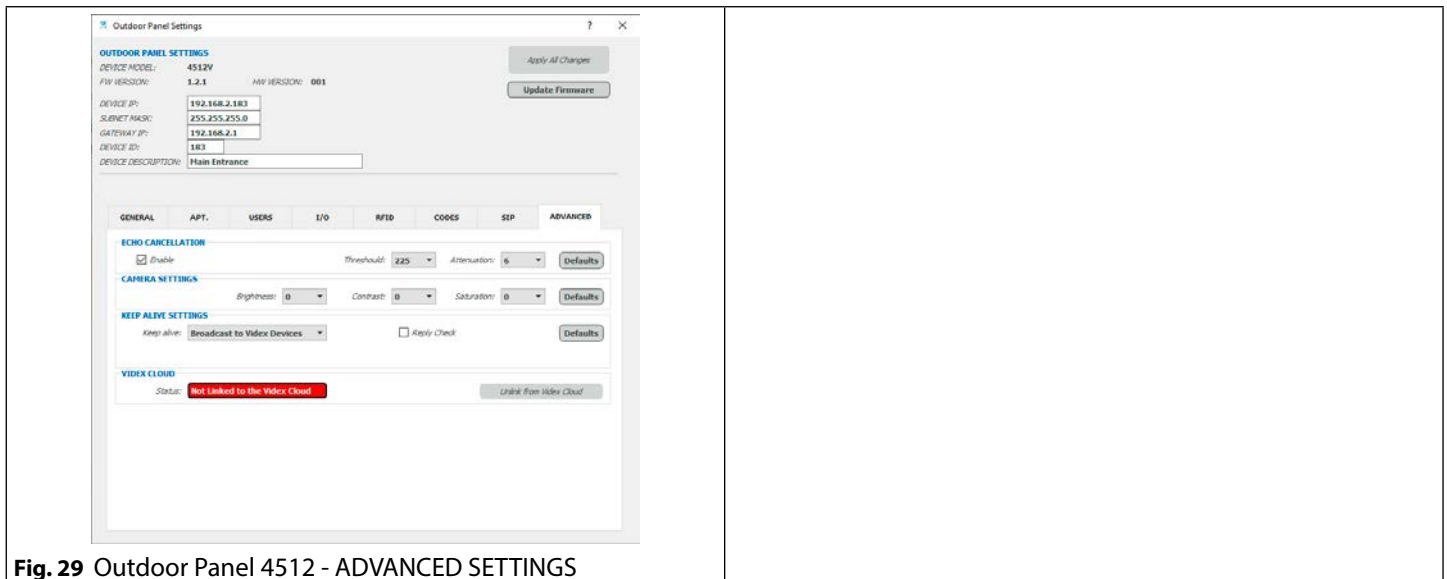

Fig. 28 Outdoor Panel 4512 - SIP CLIENT

Fig. 29 Outdoor Panel 4512 - ADVANCED SETTINGS

SETTING UP A VIDEO INTERCOM

In the device list (**Fig. 30**), click on the button "Edit Properties" of one "VIDEO INTERCOM". If you are unsure which videophone is which, you can enable the flag "Accept Connections from Devices" under the software preferences then press any button on the videophone to open the settings for that videophone.

The "***INTERCOM SETTINGS***" window (**Fig. 31**) shows the following device information:
- **The Device Model.**
- **The firmware version.**
- **The hardware version.**

Then there is a section of editable fields:
- **The Device IP.**
- **The Subnet Mask.**
- **The Gateway IP.** (if not used, leave the gateway disabled)
- **The Device ID.**
- **The Device Description**

If you are not sure,, contact your system administrator to set the correct IP Address, subnet mask and Gateway. It is recommended to set a descriptive "***DEVICE DESCRIPTION***" that identifies the area where the device is installed i.e. "Ground Floor", "Kitchen" etc.

For some buttons it is possible to configure their function depending on the videophone status: stand-by, in conversation and/or ringing. When a button is configured to activate a relay you can choose from the following options:
1. Relay 1 or 2 of the calling door panel (means the first or the second relay of the currently connected door panel).
2. A specific relay of a specific door panel. (i.e. relay 1 of main entrance door panel)
3. Disabled.

In the "***GENERAL***" tab (**Fig. 31**) you have the following:
- Check the "Noise Attenuation" flag to improve audio quality in case of noisy environments.
- Check the "Camera Recall With Mic Mute" flag if you want the camera recall to start with the handset microphone in mute mode otherwise it will start with the speech open.
- The "Number Of Rings" listbox allows the operator to set the number of rings for the selected videophone, this setting can be carried out from the videophone's menu also.
- The "Ringtone" listbox allows the operator to set the melody for the selected videophone, this setting can be carried out from the videophone's menu also.

In the "***PRIVACY***" tab (**Fig. 32**) you have the following:
- For the "**IN STANDBY**" status, select the privacy duration from the drop down menu: in standby the ⋈ button can only be used to activate/deactivate the privacy. The value "Infinite" means that the service can be enabled and disabled only by pressing the button ⋈ while the other values starts a timer when the button ⋈ is pressed and the privacy will automatically switch off at the selected time if the button is not pressed again.
- For the "**IN CONVERSATION**" status the button ⋈ can be set as per the options described above 1,2 or 3.

In the "***SERVICE***" tab (**Fig. 33**) you have the following:
- For the "**IN STANDBY**" status the button ○ can be set as per the options described above 1 or 3.
- For the "**IN CONVERSATION**" status the button ○ can be set as per the options described above 1,2 or 3.

In the "*OPEN*" tab (**Fig. 34**) you have the following:
• For the "**IN CONVERSATION AND RINGING**" statuses the button 🔓 can be set as per the options described above 1,2 or 3.

The "*INTERCOMS*" tab (**Fig. 35**) is used to add/remove other intercom devices for which that intercom can intercommunicate with:
• Select the videophone to add from the listbox then click on the "add" button;
• Repeat the step above for each videophone to add.
• To remove one videophone from the list click on the "delete" button in line with the videophone name.
To enable a favourite intercom, check the relevant check box: when the videophone is in standby, you can call the favourite video-phone by pressing the 🔓 button.

The intercoms listed in this address book will be available for intercommunication by pressing the 🕵 button on the videophone touch screen.
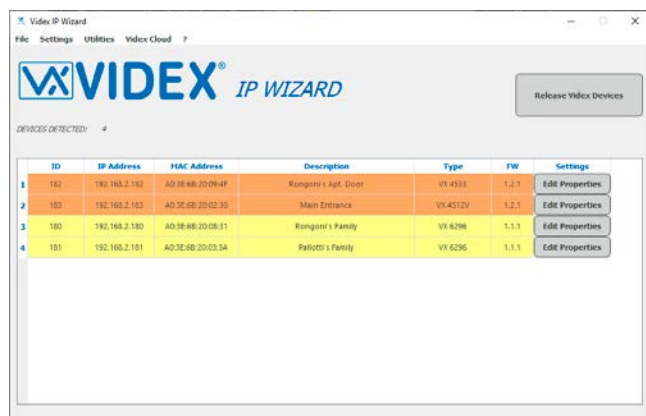

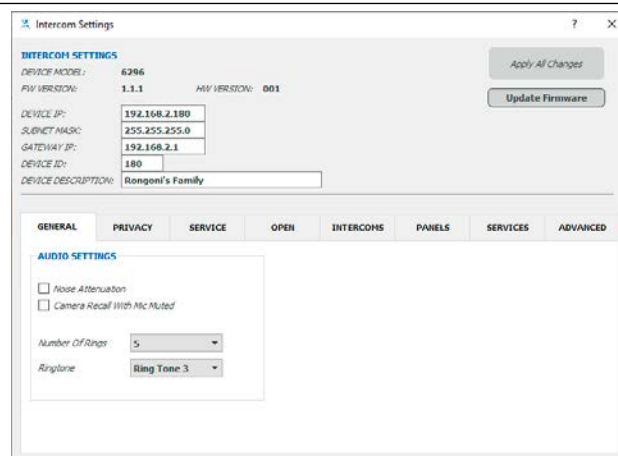**Fig. 30** Edit Video Intercom properties

Fig. 31 Video Intercom - General Settings tab
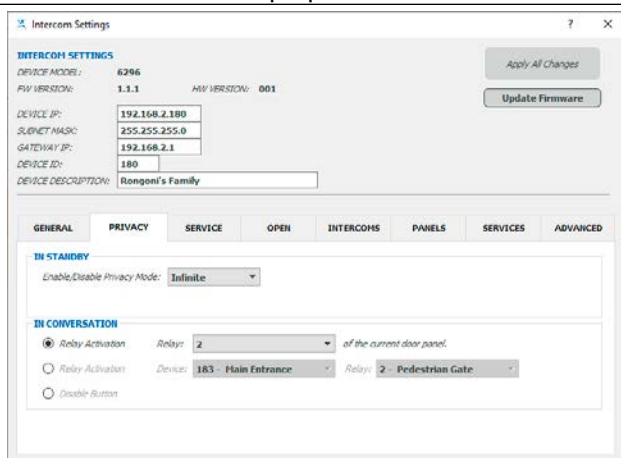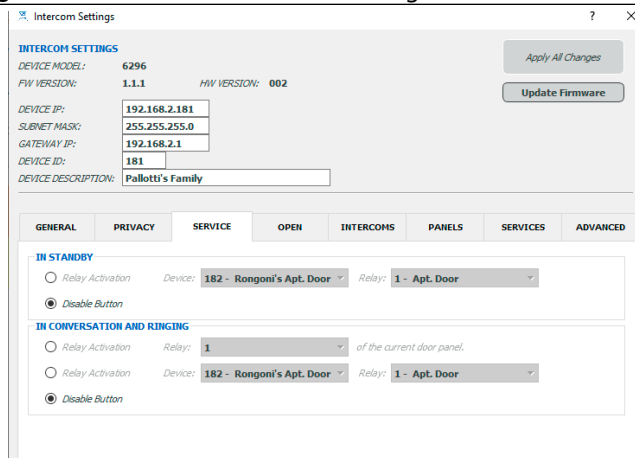

Fig. 32 Video Intercom - Privacy Button tab

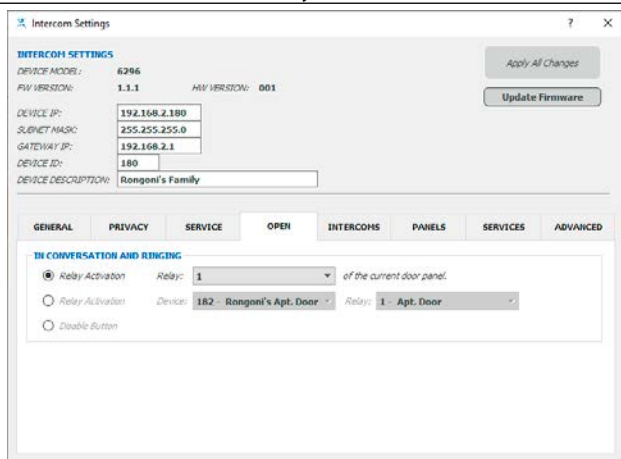**Fig. 33** Video Intercom - Service Button tab
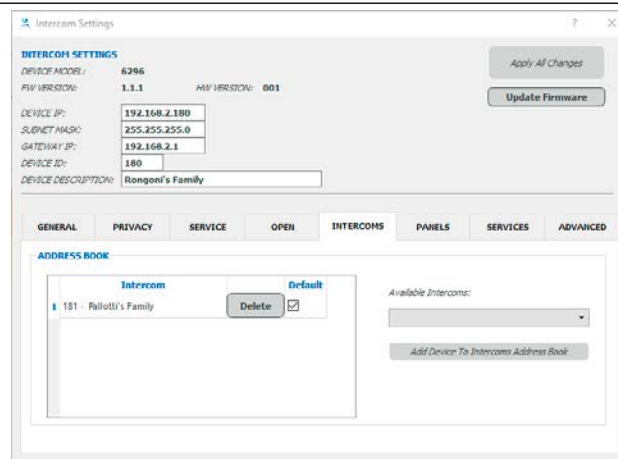

Fig. 34 Video Intercom - Open Button tab

Fig. 35 Video Intercom - Intercoms Addr. Book tab

The "*PANELS*" tab (**Fig. 36**) is used to add/remove door panels that can be recalled from this intercom:
- Select the panel to add from the listbox then click on the "**add**" button;
- Repeat the step above for each panel to add.
- To remove one panel from the list click on the "delete" button in line with the panel name.

To enable a panel as favourite, check the relevant check box: when the videophone is in standby, you can connect to the favourite panel by pressing the ○ button. The panels listed in this address book will be available for the "camera recall" function by pressing the 🔲 button on the videophone touch screen.

The "*SERVICES*" tab (**Fig. 37**) is used to configure the list of services available to that videophone:
- Use the "**Select a Device**" list box to select a device, either a VIDEX door panels or ethernet relay (not available yet).
- Use the "**Select an output**" list box to select an output/relay for the selected device.
- Click on the "**Add Output to Intercom Outputs Menu**" to add the selected output to the outputs list. Repeat the steps for each output to add. To remove an output from the list click on the "**delete**" button.

The outputs stored in this list can be activated from the videophone by pressing the 🅂 button on the touch screen.

The "*ADVANCED*" tab (**Fig. 38**) can be used to set the admin password for password used to protect certain settings (audio & video quality adjustmens), for network connection quality "**KEEP ALIVE SETTINGS**" and allows the operator to unlink the device from VIDEX CLOUD. and unlink the device from VIDEX CLOUD. If for any reason you need to remove the device from the system, the unlink is required otherwise the device remains linked to the same installation. If the device is not linked to VIDEX CLOUD, the "Unlink..." button is disabled and a red background warning advises that the device is not linked to VIDEX CLOUD.

After completing all settings, click on the button "**Apply All Changes**" to transfer the configuration to the videophone and await the notice "**device correctly updated**".
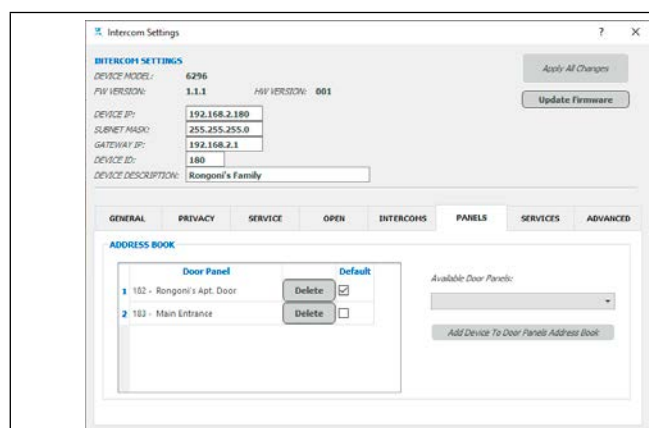Repeat the same steps for all other videophones connected on the system.
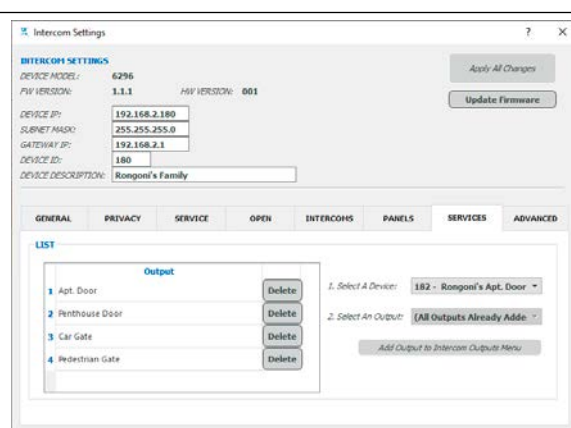

Fig. 36 Video Intercom - Panel Addr. Book tab

Fig. 37 Video Intercom - Services List
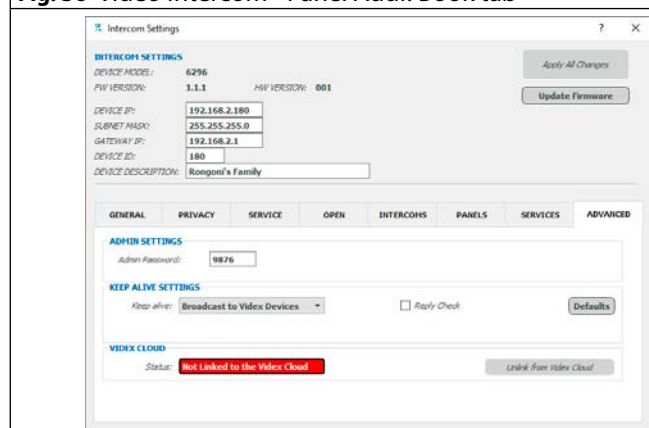
Fig. 38 Video Intercom - Advanced Settings Tab

UPDATE FIRMWARE OF A DEVICE

The firmware update of any device is simple thanks to the "update firmware" button available under the properties editing window but must be carried out in safe conditions to avoid possible firmware corruption.

It is strongly advised to take the following precautions:

- If you are using a laptop to update device firmware, be sure that it is connected to the mains or the battery is fully charged.
- If the mains to which the device is connected is fluctuating, avoid making the update until this is resolved.
- Be sure that you are using the correct firmware update, door panel firmware cannot be used with videophone and viceversa.

If you are ok to proceed, update the firmware of the device as follows:

- Launch the Videx IP wizard, detect the Videx devices then click on edit properties button of the device to update (**Fig. 39**).
- Click the update firmware button (**Fig. 40**).
- Select the correct firmware file (**Fig. 41**).
- Confirm the update operation (**Fig. 42**).
- Wait until the firmware update (**Fig. 43**) terminates with the confirmation (**Fig. 44**)

Please note that the firmware update doesn't affect the device programming so when you update a door panel you don't need to reprogram the calling system like when you update an indoor station you don't need to reprogram i.e. the "intercom address book".

Fig. 39 Click on edit properties

Fig. 40 Click on update firmware button

Fig. 41 Select the proper firmware file

Fig. 42 Confirm the update clicking on yes button

Fig. 43 Firmware update in progress

Fig. 44 Firmware update confirmation

VIDEX CLOUD

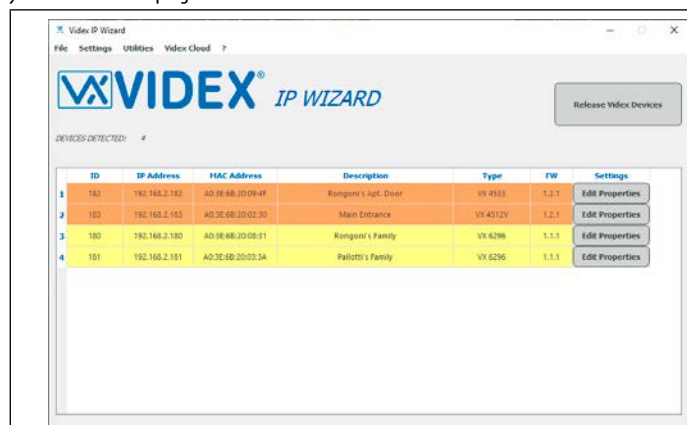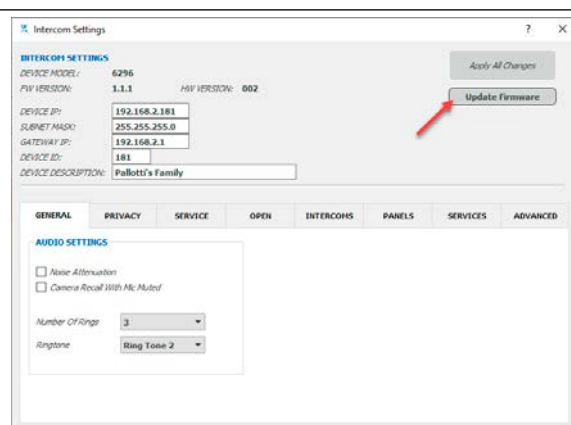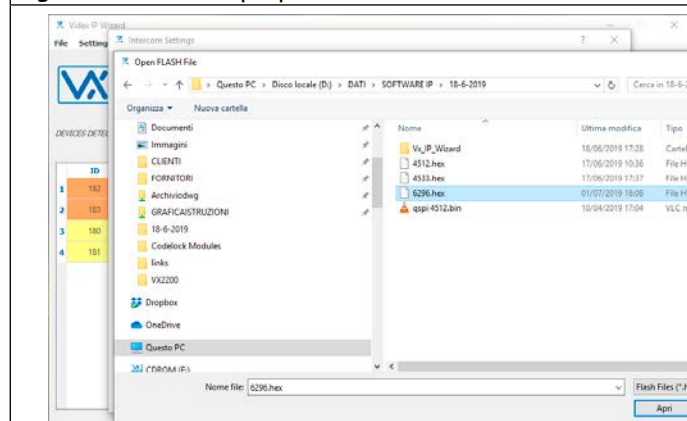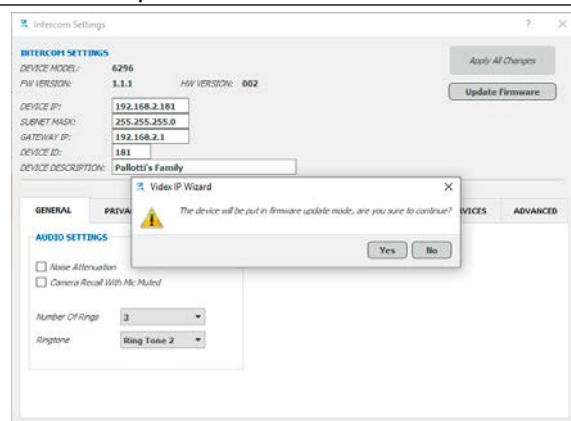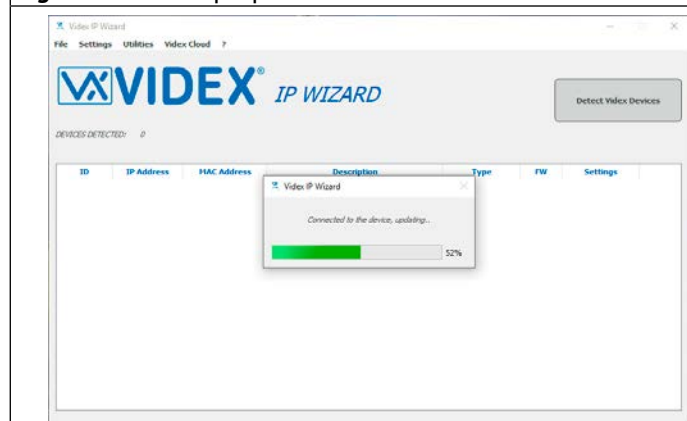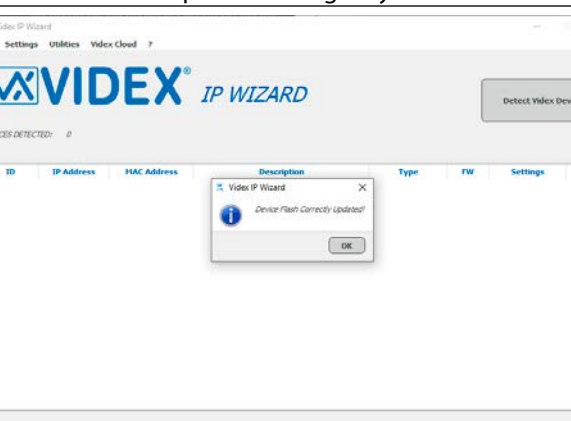This menu option description is placed at the end of this section because it should only be carried out after all other system configurations have been completed. This menu option will link or unlink the installation with the Videx Cloud services to enable the use of the Videx apps.

LINK A SITE TO VIDEX CLOUD

By linking a site to the cloud it will be possible to use the Videx apps to answer and make calls on the system.
A user name and password is required to use this feature. This can be obtained by visiting https://service.videx.it and creating a new account.
- From the menu bar click on "Videx Cloud-> Link/Relink All Devices to Videx Cloud" (**Fig. 45**) then in the new window click on the "next" button to move to the login window (**Fig. 46**).
- Enter the same username and password used for https://service.videx.it/ web site then click "login videx cloud". Once you receive the message "Valid Credentials..." click on the "next" button (**Fig. 46**).
- The software requests formation about the site, fill in the proposed fields (**Fig. 47**) then click the "next" button.
- The system is ready to connect to Videx Cloud (**Fig. 48**) click the "finish" button to proceed.
- The system exchanges data with Videx Cloud then the site is linked (**Fig. 49**).

After this operation the binding code field of each videophone installed on site is populated (**Fig. 50**).

UNLINK A SITE FROM VIDEX CLOUD

A user name and password is required to use this feature. This can be obtained by visiting https://service.videx.it and creating a new account.
Run the Videx IP Wizard software.
- From menu bar click on "Videx Cloud-> Unlink All Devices from Videx Cloud" (**Fig. 51**) then confirm when requested (**Fig. 52**) .
- The application communicates with the cloud for the unlinking process (**Fig. 53**).
- Once finished the unlink is confirmed by a message (**Fig. 54**).

After doing this it will not be possible to use the apps (Videx Cloudnected Client app) with this installation.

Fig. 45 Click on Videx Cloud-> Link Site to Videx Cloud
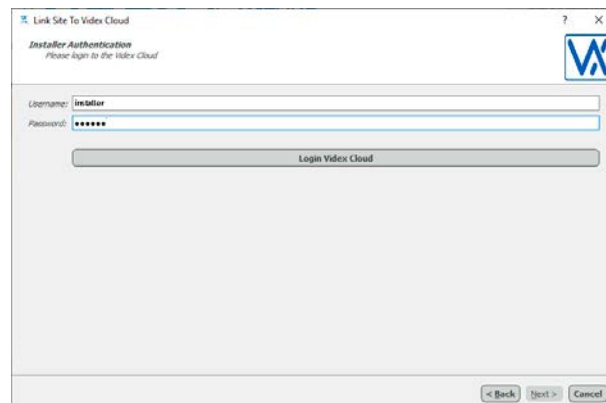

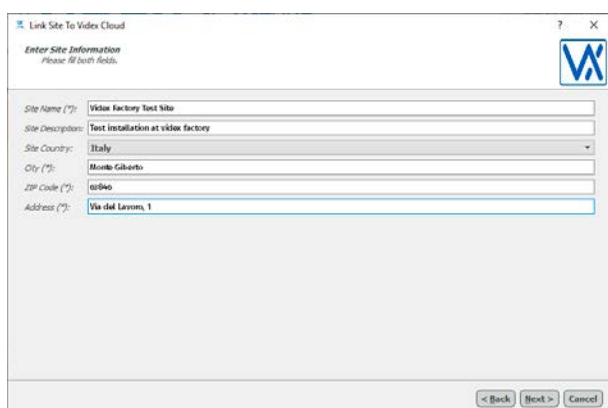**Fig. 46** Login Videx Cloud

Fig. 47 Enter Site Information

Fig. 48 Ready to connect to Videx Cloud
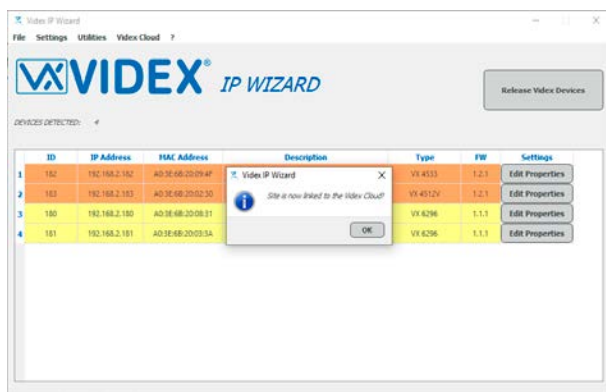
Fig. 49 Site is now linked to the Videx Cloud!

Fig. 50 Videophone binding code

Fig. 51 Unlink from Videx Cloud
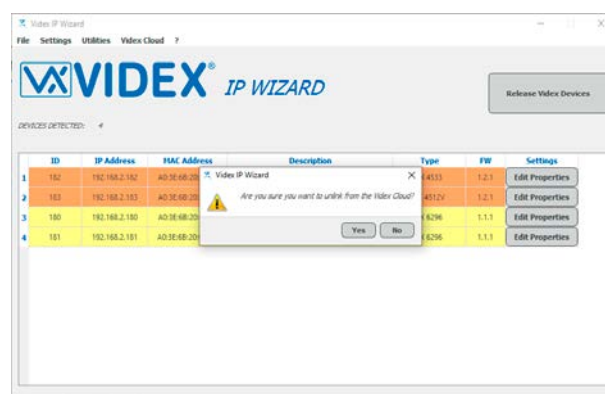
Fig. 52 Confirm Unlink
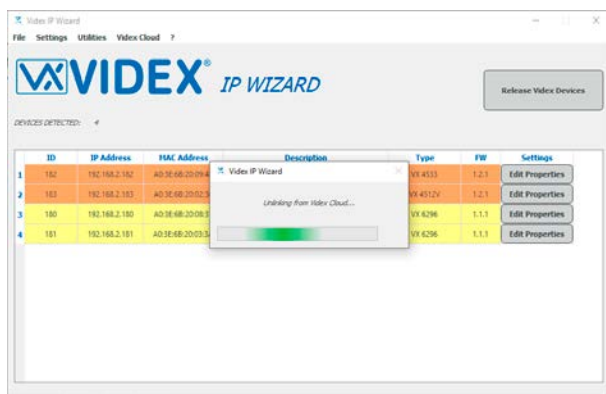
Fig. 53 Unlinking Process
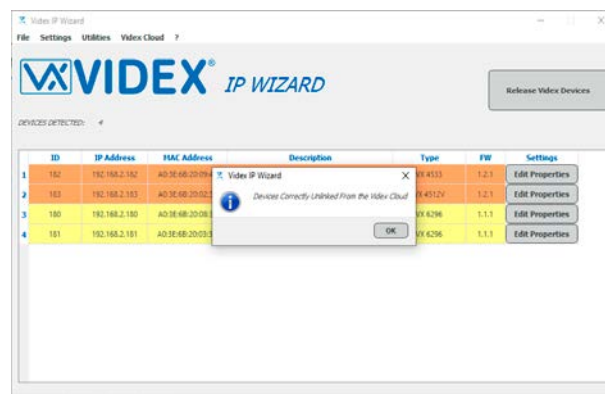
Fig. 54 Devices Correctly Unlinked

TROUBLESHOOTING GUIDE

To get the most from this installation and to download firmware and software updates it is required to be registered to website "service.videx.it".

Once registered, you must wait for the authorization e-mail before you can use your account. If you are still not registered, please follow this link to do so "https://service.videx.it/user/register".

Once authorized you will be able to download the VIDEX IP WIZARD under the download section of the website.

The Videx IP Wizard requires network privileges and because of this can sometimes be confused as malware and become blocked by a firewall on the PC.

Before you lauch the VIDEX IP Wizard:

- Temporarily disable or switch off any running firewall.
- If you cannot disable the firewall for any reason, contact your system administrator to add rules to allow VIDEX IP Wizard for UDP and TCP communications.

When you launch the VIDEX IP Wizard:

- If you receive the message as shown in (**Fig. 55**) it means you must setup the network card first, please follow the directions **on page 30** to properly set the network card.
- If you receive the message as shown in (**Fig. 56**)please authorize the VX IP WIZARD to connect to any network, you can safely do this.
- If you receive the message as shown in (**Fig. 57**) "No Devices Detected", please follow these steps:
    » Open windows firewall and check inbound rules (**Fig. 58**).
    » Find the rules relating to the VIDEX IP Wizard (**Fig. 59**) and edit the properties.
    » Select the radio button "Allow the connection" (**Fig. 60**) then click "OK"
    » Do the same for both rules of VIDEX IP Wizard.

Please, proceed analogously in case is running any other firewall.
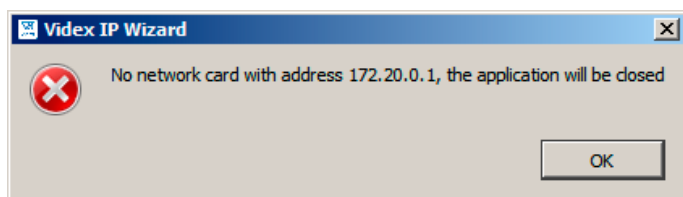
Fig. 55 No network card with address 172.20.0.1
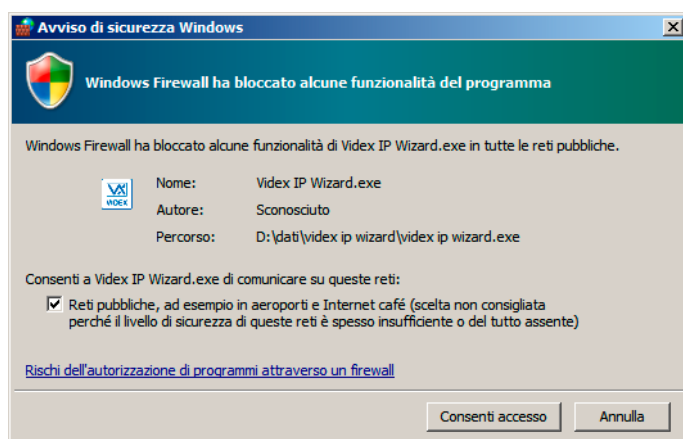
Fig. 56 Windows Firewall Warning
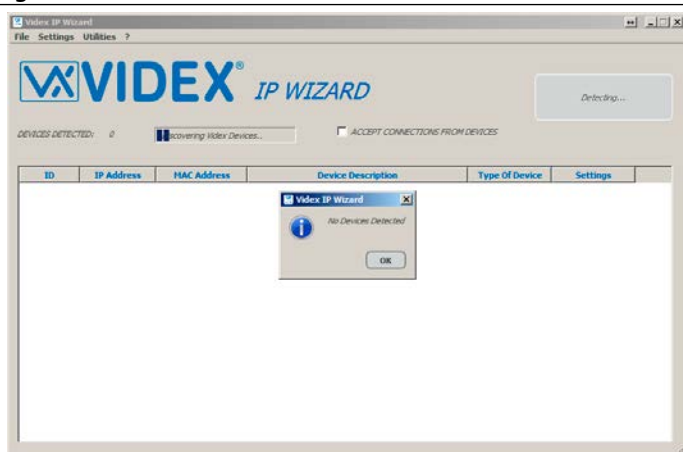
Fig. 57 No Devices Detected
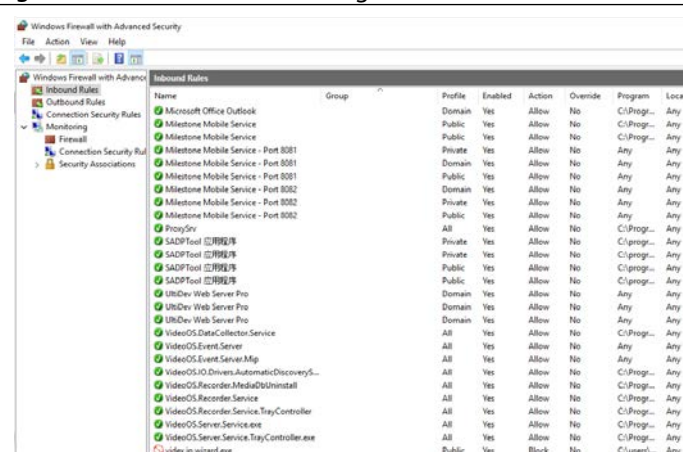
Fig. 58 Open windows firewall inbound rules
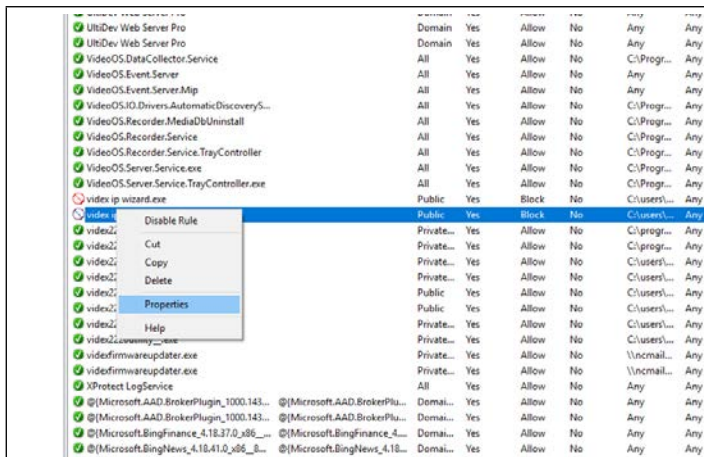
Fig. 59 Edit properties for Videx IP Wizard
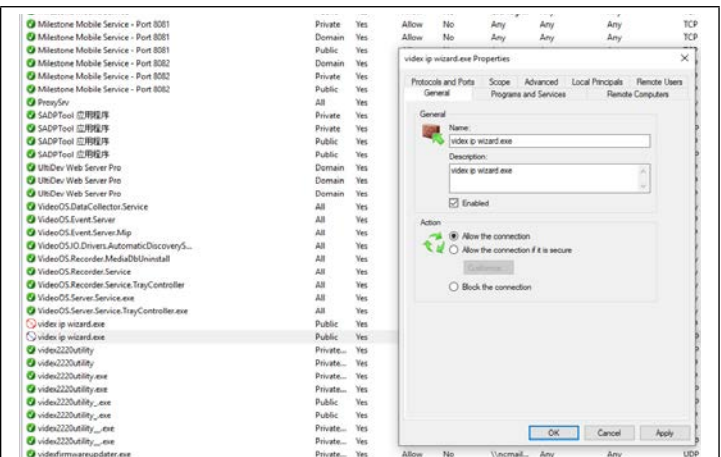
Fig. 60 Allow the connection

IP CONFIGURATION IN DETAIL

This section describe in detail, field by field, the SIP parameters.

User ID: it is the user id for the SIP server (i.e. 2345 commonly the extension number).

Password: it is the password for the SIP user id (i.e. known as account's secret for Asterisk).

Auth. Name: it is the authorization user for the SIP server (i.e. for asterisk it is the same of the User ID)

Server IP: it is the IP address of the SIP host.

**Domain:** it is the SIP domain name which could be a FQDN string (i.e. mycompany.com) or an IP address (usually the same of Server IP field).

Reg.Expiry Time (m): Configures the time period (in minutes) in which the phone refreshes its registration with the specified server. The default setting is 1.

Fig. 61 SIP Configuration in detail

Local SIP Port: Determines the local SIP port used to listen and transmit. The default setting is 5060.

RTP Audio Port: Defines the local RTP port used to listen and transmit Audio.

RTP Video Port: Defines the local RTP port used to listen and transmit Video.

Server SIP Port: Determines the server side SIP port used to listen and transmit. The default setting is 5060.

DTMF: Determines the transportation of the DTMF:
- **RFC2833**, which means to specify DTMF with RTP packet. Users could know the packet is DTMF in the RTP header as well as the type of DTMF.
- **SIP INFO**, which uses SIP INFO to carry DTMF. The defect of this mode is that it's easily to cause desynchronized of DTMF and media packet if the SIP and RTP messages are required to be transmitted respectively.

The default setting is "RFC2833"

Open Relay 1: Determines the numeric button that enables relay 1.

Open Relay 2: Determines the numeric button that enables relay 2.

Switch Camera: Determines the numeric button that enables switching between door panel camera and external camera

Video Codec: Lists the available and enabled Video codecs for this account. Users can enable the specific video codecs by moving them to the selected box and set them with a priority order from top to bottom. This configuration will be included with the same preference order in the SIP SDP message.

Video Encoder Resolution: Configures the H263 encoder resolution which it will be used. Default setting is CIF.

H.263+ Payload Type: Specifies the H.263+ codec message payload type format. The default setting is 96.

Audio Codec: this setting cannot be modified.

ONE WAY VIDEOKIT WITH DC ELECTRIC LOCK AND STANDARD ROUTER /SWITCH

IP.Addr. 192.168.1.181

Art.6296

SWITCH or ROUTER

12Vdc

Art.DR15-12

230V~

0V~

IP Addr.192.168.1.180

Art.4533-1

EIA/TIA 568A

GREEN-WHITE / VERDE-BIANCO
GREEN / VERDE
ORANGE-WHITE / ARANCIONE-BIANCO
ORANGE / ARANCIONE

Title:	Data creazione: 15/06/2017	Foglio
One Way Videokit with DC electric lock and standard ROUTER/SWITCH		1 / 1
Titolo:	Data modifica: 22/07/2019	
Videx Electronics S.p.A.	Autore: Marco@videx.it	
Via del Lavoro, 1 - 63846 Monte Giberto (FM)	Notes: —	
Phone: +39 0734 631669 - Fax +39 0734 631669	Note: —	Cod.File: 4533-001.dwg
www.videx.it - info@videx.it		

ONE WAY VIDEOKIT WITH AC ELECTRIC LOCK AND STANDARD ROUTER /SWITCH

IP.Addr. 192.168.1.181

Art.6296

SWITCH or ROUTER

12Vdc
Art.DR15-12
230V~
0V~

13V~
Art.321
230V~
0V~

IP Addr.192.168.1.180

Art.4533-1

EIA/TIA 568A

GREEN-WHITE / VERDE-BIANCO
GREEN / VERDE
ORANGE-WHITE / ARANCIONE-BIANCO
ORANGE / ARANCIONE

Title: **One Way Videokit with AC electric lock and standard ROUTER/SWITCH**	Data creazione: 16/06/2017	Foglio
Titolo: —	Data modifica: 22/07/2019	1 / 1

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Notes: —
Note: —

Autore: Marco@videx.it
Cod.File: 4533-002.dwg

ONE WAY VIDEOKIT WITH DC ELECTRIC LOCK AND POE ROUTER /SWITCH

IP.Addr. 192.168.1.181

Art.6296

POE SWITCH or ROUTER

12Vdc

Art.DR15-12

230V~
0V~

IP Addr.192.168.1.180

Art.4533-1

EIA/TIA 568A

GREEN-WHITE / VERDE-BIANCO
GREEN / VERDE
ORANGE-WHITE / ARANCIONE-BIANCO
ORANGE / ARANCIONE

Title:		Data creazione: 16/06/2017	Foglio
One Way Videokit with DC electric lock and POE ROUTER/SWITCH		Data modifica: 22/07/2019	1 / 1
Titolo: —			

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Notes: —
Note: —

Autore: Marco@videx.it
Cod.File: 4533-003.dwg

ONE WAY VIDEOKIT WITH AC ELECTRIC LOCK AND STANDARD ROUTER /SWITCH

IP.Addr. 192.168.1.181

Art.6296

POE SWITCH or ROUTER

12Vdc — Art.DR15-12

13V∼ — Art.321

IP Addr.192.168.1.180

Art.4533-1

EIA/TIA 568A

GREEN-WHITE / VERDE-BIANCO
GREEN / VERDE
ORANGE-WHITE / ARANCIONE-BIANCO
ORANGE / ARANCIONE

Title: **One Way Videokit with AC electric lock and standard ROUTER/SWITCH**	Data creazione: 16/06/2017	Foglio
Titolo: —	Data modifica: 24/07/2019	1 / 1

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Notes: —
Note: —

Autore: Marco@videx.it
Cod.File: 4533-004.dwg

TWO WAY VIDEOKIT WITH DC ELECTRIC LOCK AND STANDARD ROUTER /SWITCH

GREEN-WHITE / VERDE-BIANCO
GREEN / VERDE
ORANGE-WHITE / ARANCIONE-BIANCO
ORANGE / ARANCIONE
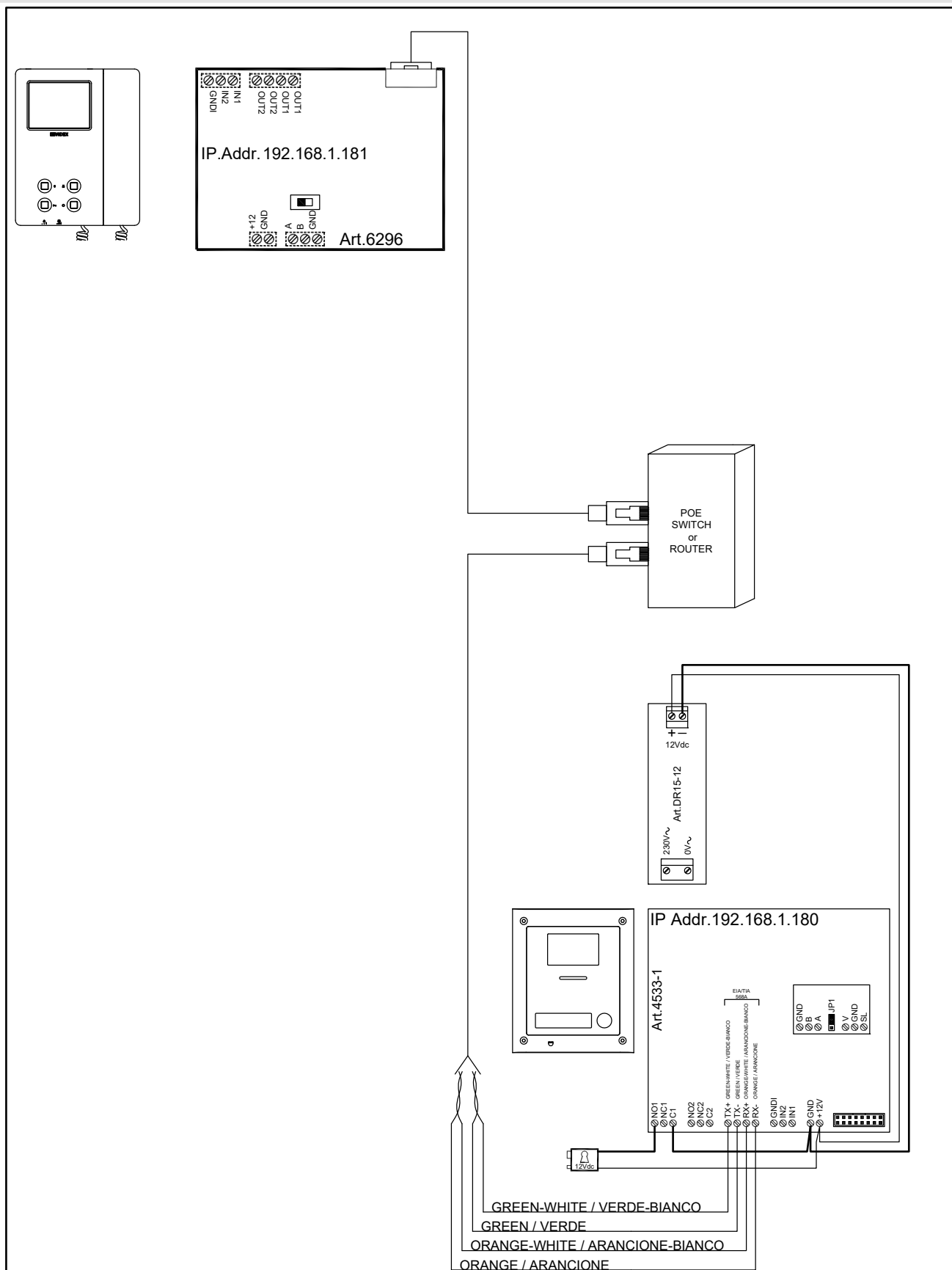
Title:		Data creazione:	Foglio
TWO Way Videokit with DC electric lock and standard ROUTER/SWITCH		16/06/2017	
Titolo:		Data modifica:	1 / 1
—		22/07/2019	

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Notes:
—

Note:
—

Autore:
Marco@videx.it

Cod.File:
4533-005.dwg

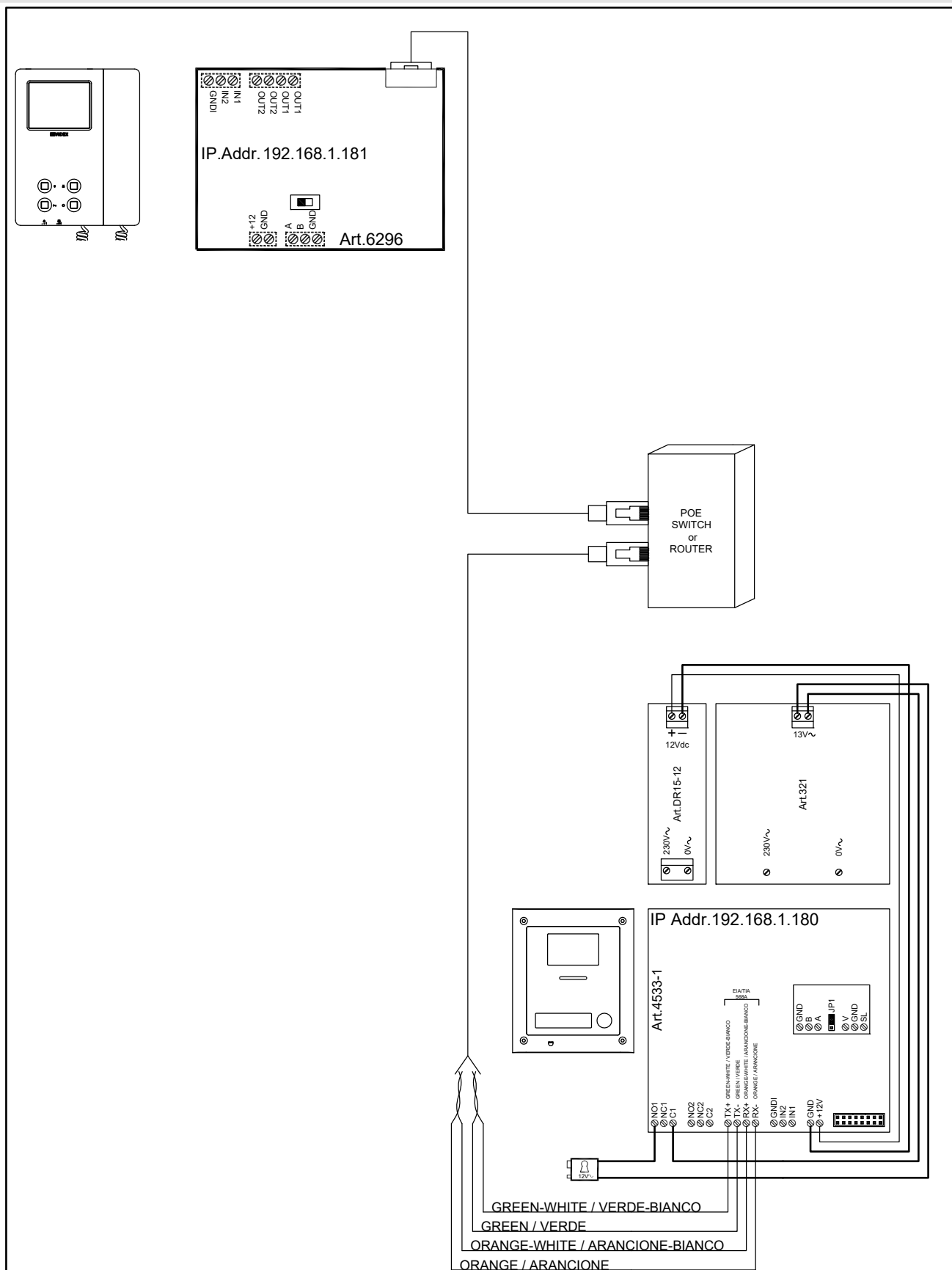## TWO WAY VIDEOKIT WITH AC ELECTRIC LOCK STANDARD ROUTER /SWITCH

GREEN-WHITE / VERDE-BIANCO
GREEN / VERDE
ORANGE-WHITE / ARANCIONE-BIANCO
ORANGE / ARANCIONE

Title:			Data creazione:	Foglio
TWO Way Videokit with AC electric lock and standard ROUTER/SWITCH			16/06/2017	
Titolo:			Data modifica:	1 / 1
—			23/07/2019	
	Videex Electronics S.p.A.	Notes:	Autore:	
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	Phone: +39 0734 631669 - Fax +39 0734 631669	Note:	Cod.File:	
	www.videx.it - info@videx.it	—	4533-006.dwg	

TWO WAY VIDEOKIT WITH DC ELECTRIC LOCK AND POE ROUTER /SWITCH

IN1
GNDI
IN2
OUT2
OUT1
OUT2
OUT1

IP.Addr. 192.168.1.182

+12
GND
A
B
GND

Art.6296

IN1
GNDI
IN2
OUT2
OUT1
OUT2
OUT1

IP.Addr. 192.168.1.181

+12
GND
A
B
GND

Art.6296

POE
SWITCH
or
ROUTER

+ −
12Vdc

Art.DR15-12

230V~
0V~

IP Addr.192.168.1.180

Art.4533-1

EIA/TIA
568A

NO1
NC1
C1
NO2
NC2
C2
TX+ GREEN-WHITE / VERDE-BIANCO
TX− GREEN / VERDE
RX+ ORANGE-WHITE / ARANCIONE-BIANCO
RX− ORANGE / ARANCIONE
GNDI
IN2
IN1
GND
+12V

GND
B
A
JP1
V
GND
SL

12Vdc

GREEN-WHITE / VERDE-BIANCO
GREEN / VERDE
ORANGE-WHITE / ARANCIONE-BIANCO
ORANGE / ARANCIONE

Title: TWO Way Videokit with DC electric lock and POE ROUTER/SWITCH	Data creazione: 16/06/2017	Foglio
Titolo: —	Data modifica: 22/07/2019	1 / 1

Videx Electronics S.p.A. Via del Lavoro, 1 - 63846 Monte Giberto (FM) Phone: +39 0734 631669 - Fax +39 0734 631669 www.videx.it - info@videx.it	Notes: —	Autore: Marco@videx.it
	Note: —	Cod.File: 4533-007.dwg

TWO WAY VIDEOKIT WITH AC ELECTRIC LOCK AND POE ROUTER /SWITCH

IP.Addr. 192.168.1.182

Art.6296

IP.Addr. 192.168.1.181

Art.6296

POE
SWITCH
or
ROUTER

12Vdc

Art.DR15-12

230V~

0V~

13V~

Art.321

230V~

0V~

IP Addr.192.168.1.180

Art.4533-1

EIA/TIA
568A

GREEN-WHITE / VERDE-BIANCO
GREEN / VERDE
ORANGE-WHITE / ARANCIONE-BIANCO
ORANGE / ARANCIONE

ONE WAY VIDEOCODE KIT WITH DC ELECTRIC LOCK AND STANDARD ROUTER /SWITCH

Title: One Way Videokit with DC electric lock and standard ROUTER/SWITCH

Data creazione: 11/11/2019
Data modifica: 11/11/2019

Foglio 1 / 1

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Cod. File: IPVKC-001A.dwg

TWO WAY VIDEOCODE KIT WITH DC ELECTRIC LOCK AND STANDARD ROUTER /SWITCH

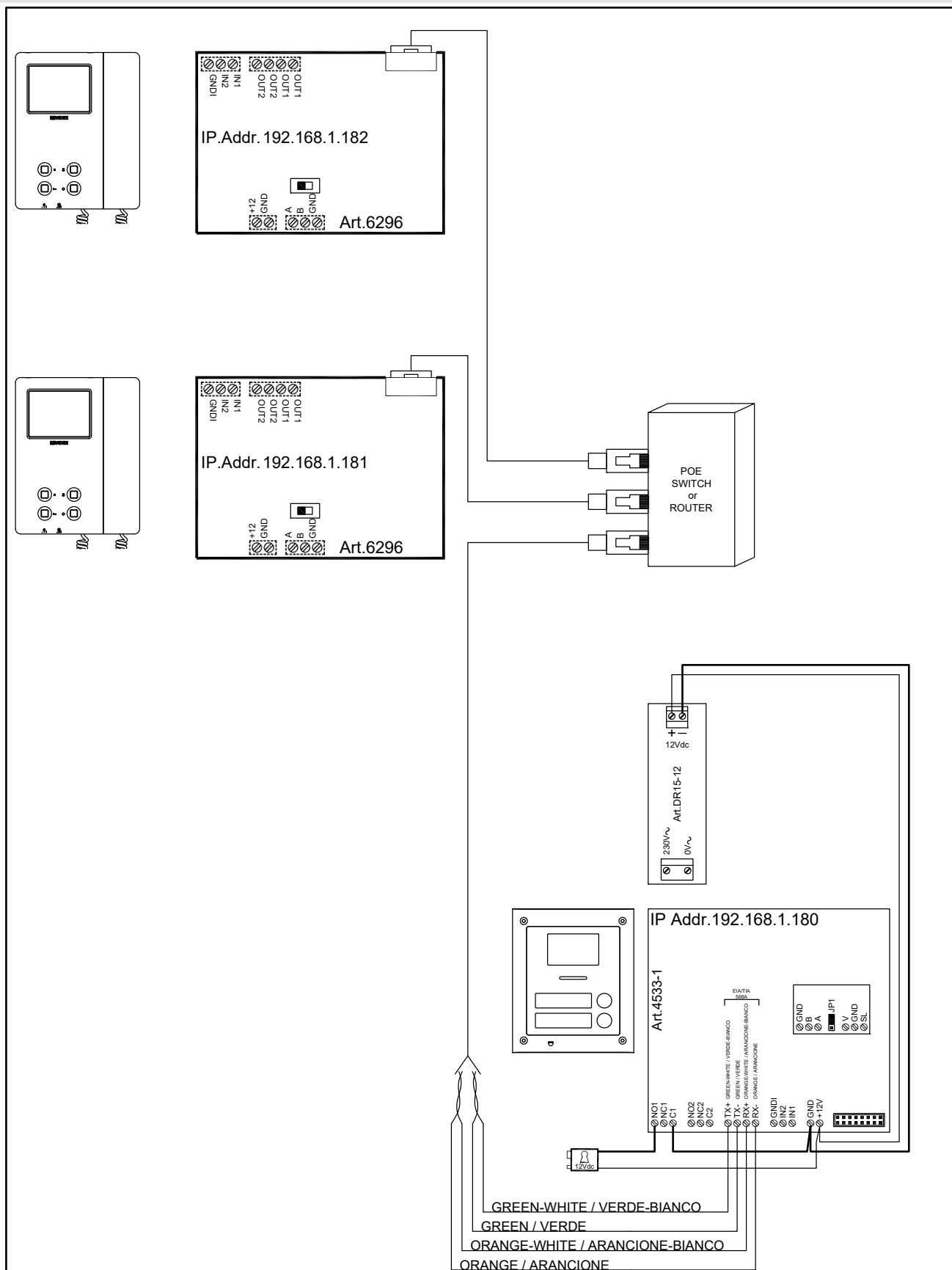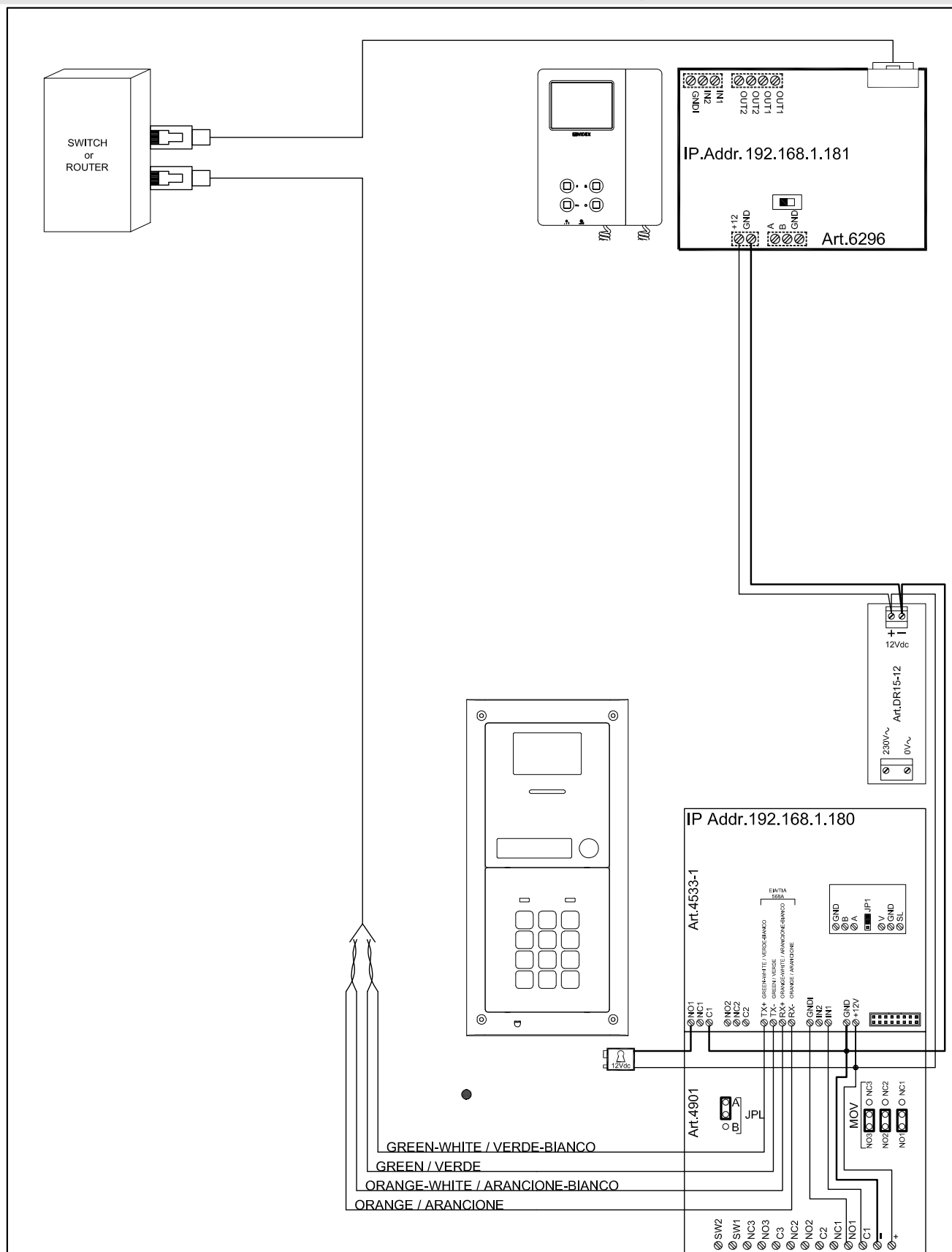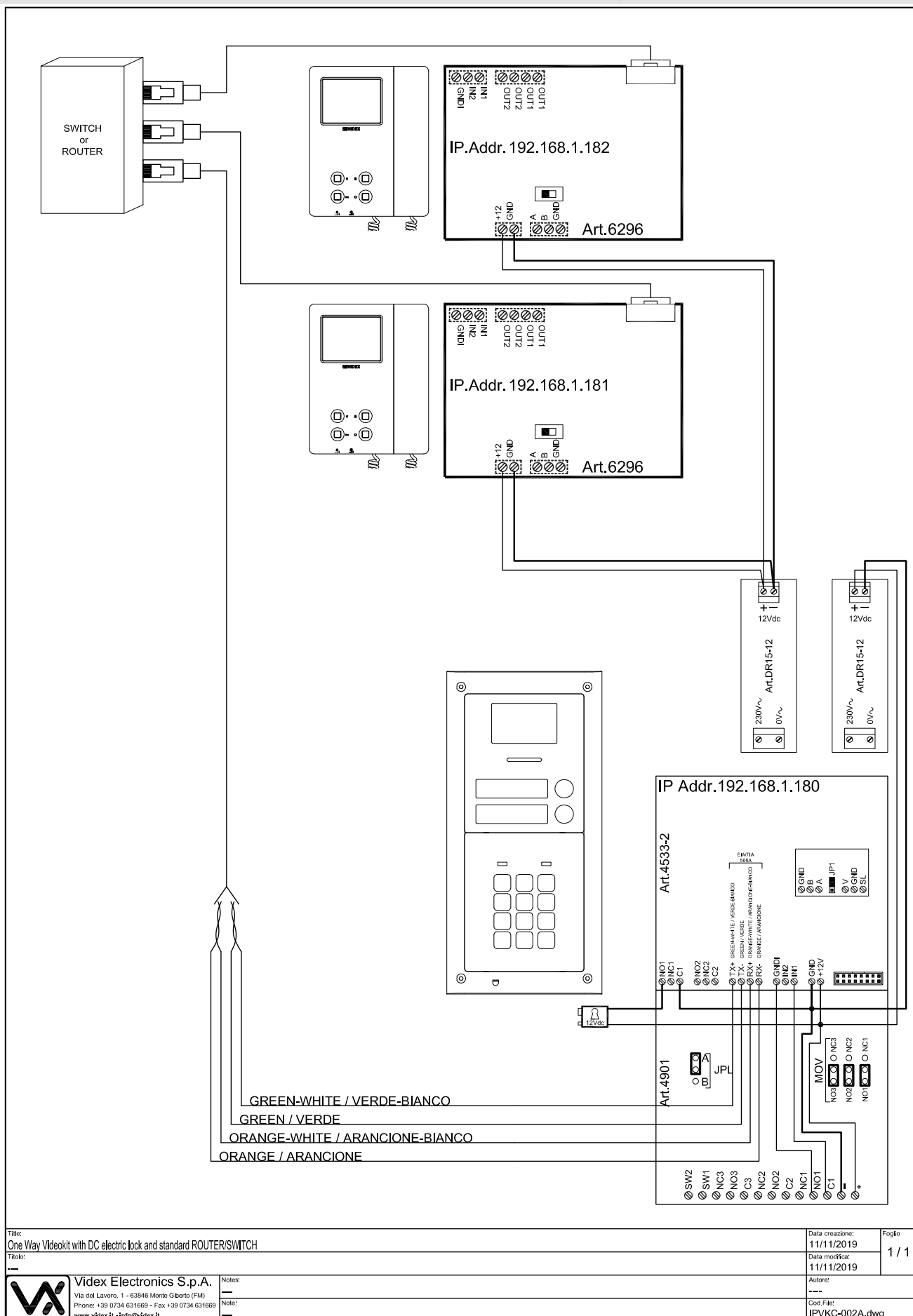**ENG** **DISPOSAL**

In accordance with the Legislative Decree no. 49 of 14 March 2014 "Implementation of the Directive 2012/19/EU on waste electrical and electronic equipment (WEEE)".
The crossed-out bin symbol on the equipment or on the packaging indicates that when the product reaches the end of its lifetime, it must be collected separately from mixed municipal waste. The user must, therefore, dispose of the equipment at the end of its lifetime in the suitable waste collection centres or bring it to the retailer during the purchase of a new equipment of equivalent type at the ratio of one-to-one. Furthermore, the user is allowed to dispose of the WEEEs of very small size (domestic appliances without any external dimension exceeding 25 cm (9.84 inches) for free to the retailers, without any purchase obligation. The correct waste disposal of the WEEEs contributes to their reuse, recycling and recovery and avoids potential negative effects on the environment and human health due to the possible presence of dangerous substances within them.

ITA **SMALTIMENTO**

Ai sensi del Decreto Legislativo 14 marzo 2014, n° 49 "Attuazione della direttiva 2012/19/UE sui rifiuti di apparecchiature elettriche ed elettroniche (RAEE)".
Il simbolo del cassonetto barrato riportato sull'apparecchiatura o sulla sua confezione indica che il prodotto alla fine della propria vita utile deve essere raccolto separatamente dagli altri rifiuti urbani misti. L'utente dovrà, pertanto, conferire l'apparecchiatura giunta a fine vita presso gli idonei centri di raccolta differenziata oppure riconsegnarla al rivenditore al momento dell'acquisto di una nuova apparecchiatura di tipo equivalente, in ragione di uno a uno. L'utente ha, inoltre, la possibilità di conferire gratuitamente presso i distributori, senza alcun obbligo di acquisto, per i RAEE di piccolissime dimensioni (per le apparecchiature di tipo domestico con nessuna dimensione esterna superiore a 25 cm).
L'adeguata raccolta differenziata dei RAEE contribuisce al loro riutilizzo, riciclaggio e recupero ed evita potenziali effetti negativi sull'ambiente e sulla salute umana dovuti alla eventuale presenza di sostanze pericolose al loro interno.

FRA **ÉLIMINATION**

Conformément au décret législatif n ° 49 du 14 mars 2014 relatif à l'« Application de la directive 2012/19 / UE relative aux déchets d'équipements électriques et électroniques (DEEE) ».
Le symbole de la poubelle barrée sur l'équipement ou sur son emballage indique que le produit en fin de vie utile doit être collecté séparément des autres déchets municipaux en mélange. L'utilisateur doit donc remettre l'équipement en fin de vie aux centres de collecte appropriés ou le restituer au revendeur lors de l'achat d'un nouveau type d'équipement équivalent, dans le rapport de un à un. De plus, l'utilisateur a la possibilité de conférer gratuitement aux distributeurs, sans aucune obligation d'achat, de très petits DEEE (pour les appareils ménagers sans dimensions extérieures supérieures à 25 cm).
La collecte séparée adéquate des DEEE contribue à leur réutilisation, leur recyclage et leur valorisation et évite les éventuels effets négatifs sur l'environnement et la santé humaine en raison de la présence possible de substances dangereuses dans ceux-ci.

SPA **ELIMINACIÓN**

De conformidad con el Decreto legislativo n. 49 de 14 de marzo 2014 "Aplicación de la Directiva 2012/19/UE relativa a residuos de aparatos eléctricos y electrónicos (RAEE)".
El símbolo del contenedor tachado indicado sobre los aparatos o sobre los embalajes señala que el producto al final de su vida útil debe ser recogido separadamente de otros residuos municipales mezclados. Por tanto, el usuario deberà conferir los aparatos al final de su vida útil en los apropiados centros de recogida selectiva o devolverlos al revendedor al momento de la compra de nuevos aparatos equivalentes, en una relación de uno a uno. Además, el usuario tiene la posibilidad de entregar sin cargo a los distribuidores, sin ninguna obligación de compra, los RAEEs muy pequeños (para electrodomésticos sin dimensiones externas superiores a 25 cm).
La recogida selectiva apropiada de los RAEEs contribuye a su reutilización, reciclaje y valorización y evita potenciales impactos negativos sobre el medio ambiente y la salud humana debidos a la possible presencia de substancias peligrosas dentro de ellos.

NLD **VERWIJDERING**

In overeenstemming met het Wetsbesluit nr. 49 van 14 maart 2015 "Implementatie van de Richtlijn 2012/19/EU inzake afgedankte elektrische en elektronische apparaten (AEEA)".
Het doorgekruiste vuilnisbaksymbool op het apparaat of de verpakking geeft aan dat het product aan het einde van zijn levensduur niet samen met het gewone huisvuil weggegooid mag worden. De gebruiker moet het apparaat aan het einde van zijn levensduur inleveren bij een gepast inzamelpunt of de winkel waar hij een nieuw apparaat van een gelijksoortig type zal kopen. De gebruiker kan tevens AEEA's van een zeer klein formaat (huishoudapparaten met een buitenafmeting kleiner dan 25 cm (9,84 inch)) gratis en zonder enige aankoopverplichting bij handelaars inleveren. Een juiste verwijdering van AEEA's draagt bij tot hergebruik, recycling en terugwinning, en voorkomt potentiële negatieve effecten op het milieu en de menselijke gezondheid door de mogelijke aanwezigheid van gevaarlijke stoffen.

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CE — The product is CE marked demonstrating its conformity and is for distribution within all member states of the EU with no restrictions. This product follows the provisions of the European Directives 2014/30/EU (EMC); 2014/35/EU (LVD); 2011/65/EU (RoHS): CE marking 93/68/EEC.

CE — Il prodotto è marchiato CE a dimostrazione della sua conformità e può essere distribuito liberamente all'interno dei paesi membri dell'Unione Europea UE. Questo prodotto è conforme alle direttive Europee: 2014/30/UE (EMC); 2014/35/UE (LVD); 2011/65/UE (RoHS): marcatura CE 93/68/EEC.

CE — Le produit est marqué CE à preuve de sa conformité et peut être distribué librement à l'intérieur des pays membres de l'union européenne UE. Ce produit est conforme aux directives européennes 2014/30/EU (EMC) ; 2014/35/EU (LVD) ; 2011/65/EU (RoHS): marquage CE 93/68/EEC.

CE — El producto lleva la marca CE que demuestra su conformidad y puede ser distribuido en todos los estados miembros de la unión europea UE. Este producto cumple con las Directivas Europeas 2014/30/EU (EMC); 2014/35/EU (LVD); 2011/65/EU (RoHS): marca CE 93/68/EEC.

CE — Het product heeft de CE-markering om de conformiteit ervan aan te tonen en is bestemd voor distributie binnen de lidstaten van de EU zonder beperkingen. Dit product volgt de bepalingen van de Europese Richtlijnen 2014/30/EU (EMC); 2014/35/EU (LVD); 2011/65/EU (RoHS): CE-markering 93/68/EEG.

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66558862-EN