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 2**): 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.

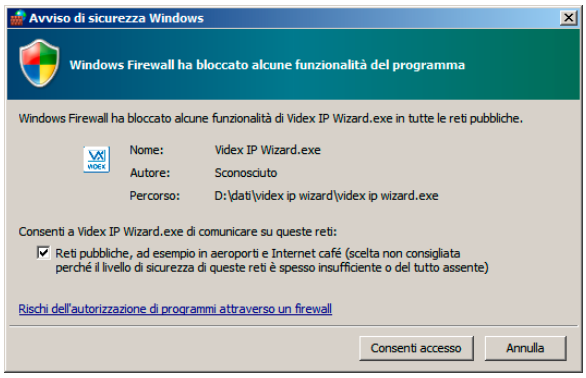

Fig. 2 Windows Firewall Warning

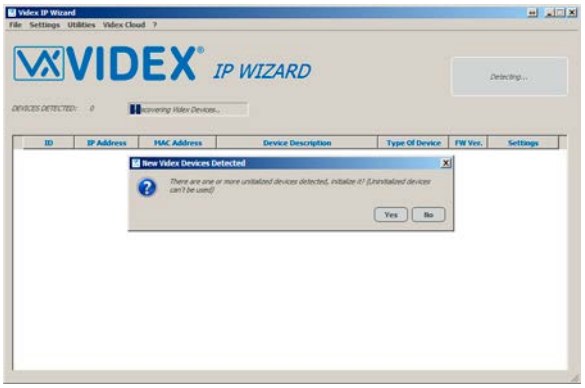

Fig. 3 New devices detected

Fig. 4 Device not initialised

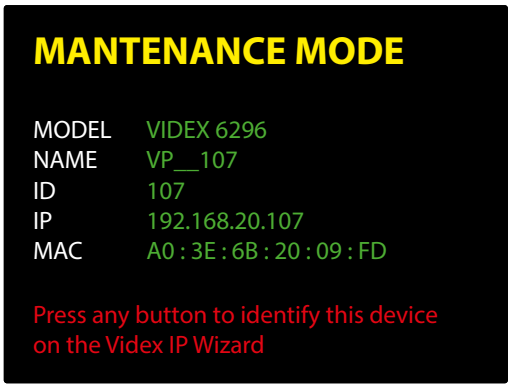

Fig. 5 Device in "manintenance mode"

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 4**) 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

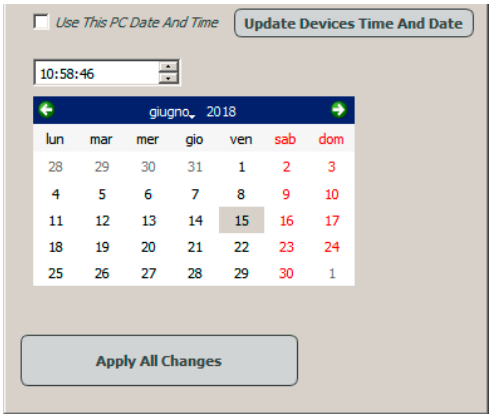

Fig. 10 Set date & time by values

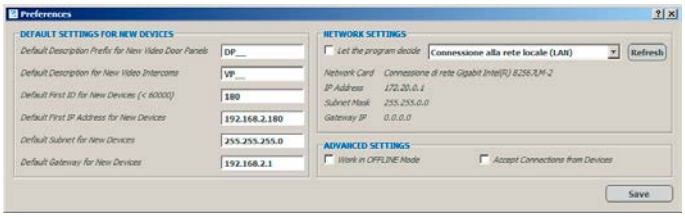

Fig. 11 Edit Preferences

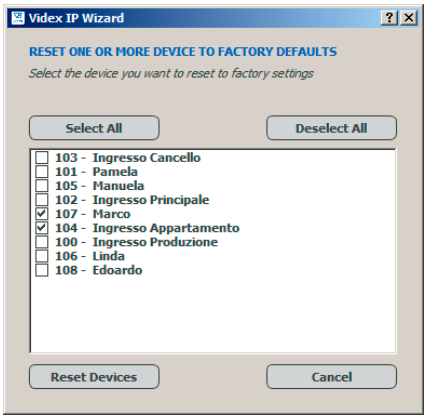

Fig. 12 Reset devices to factory defaults

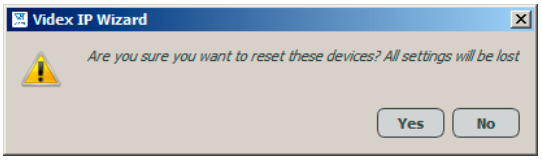

Fig. 13 Reset one or more device to factory defaults

Fig. 14 Device not initialised

SETTING UP AN OUTDOOR PANEL 4533 - FUNCTIONAL DOOR PANEL

In the device list window (**Fig. 15 on page 6**), 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.

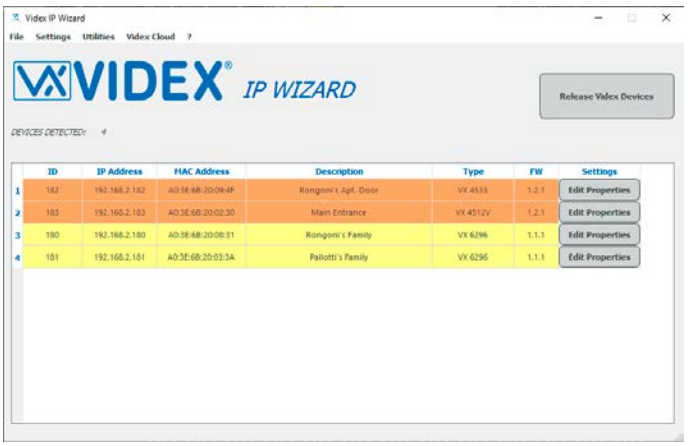

Fig. 15 Edit door panel properties

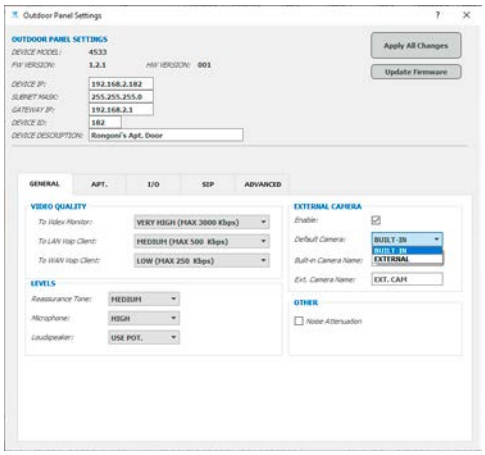

Fig. 16 Outdoor Panel 4533 - GENERAL SETTINGS

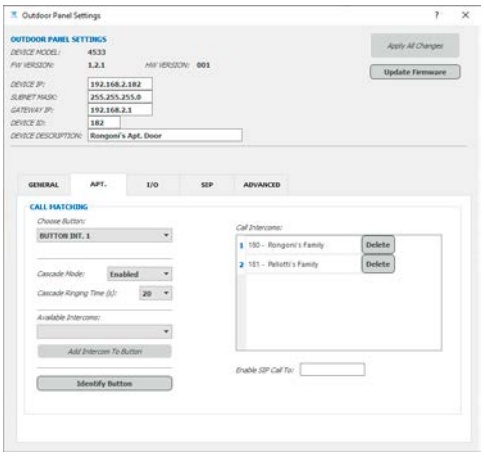

Fig. 17 Outdoor Panel 4533 - APT. SETTINGS

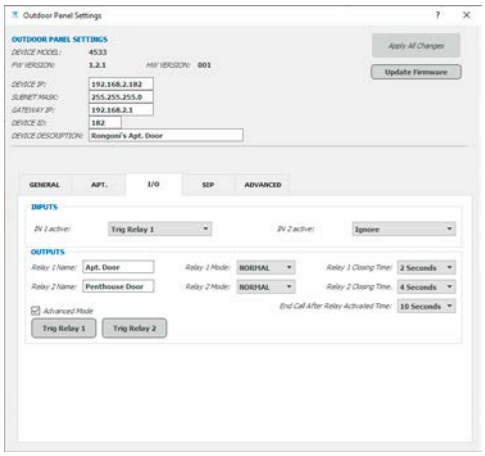

Fig. 18 Outdoor Panel 4533 - INPUTS / OUTPUTS

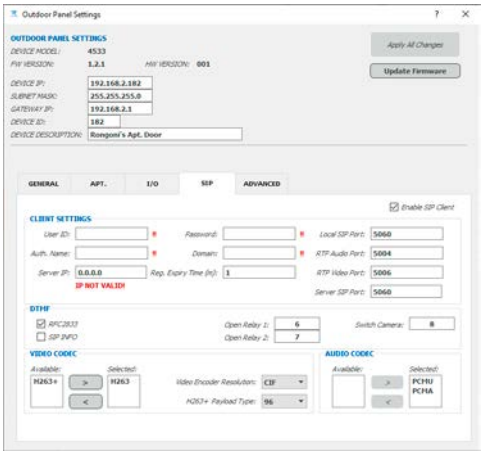

Fig. 19 Outdoor Panel 4533 - SIP CLIENT

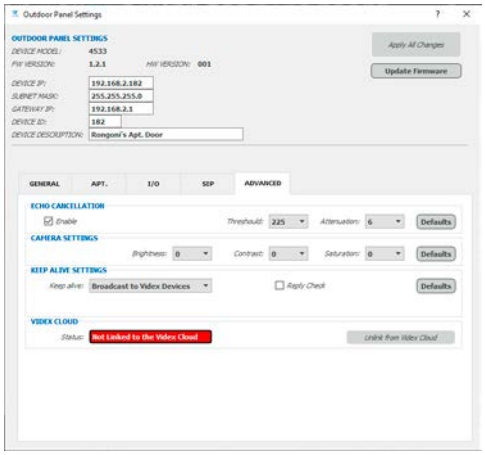

Fig. 20 Outdoor Panel 4533 - ADVANCED SETTINGS

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

In the device list window (**Fig. 21 on page 8**), 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.

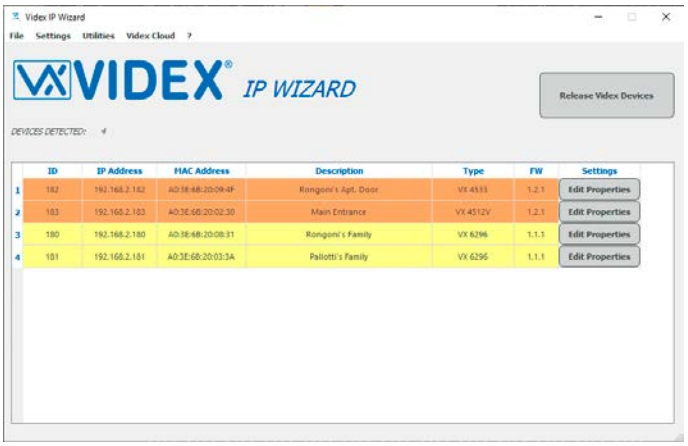

Fig. 21 Edit door panel properties

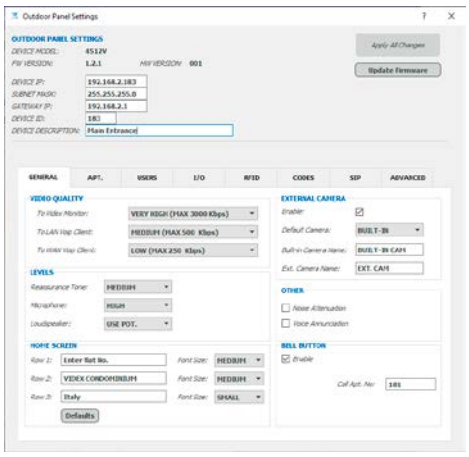

Fig. 22 Outdoor Panel 4512 - GENERAL SETTINGS

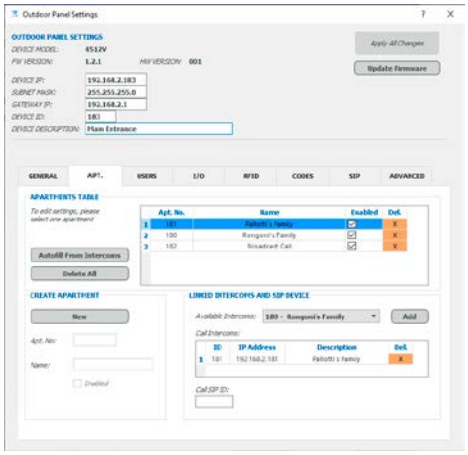

Fig. 23 Outdoor Panel 4512 - APARTMENT SETTINGS

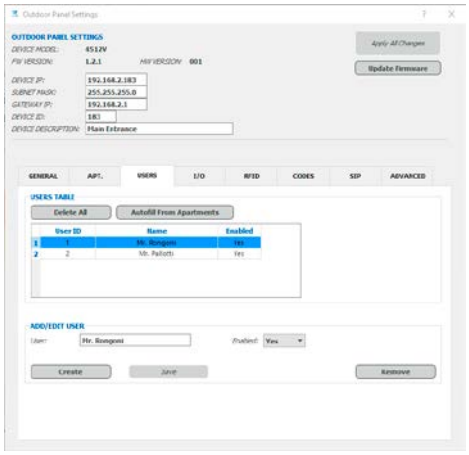

Fig. 24 Outdoor Panel 4512 - USERS SETTINGS

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.

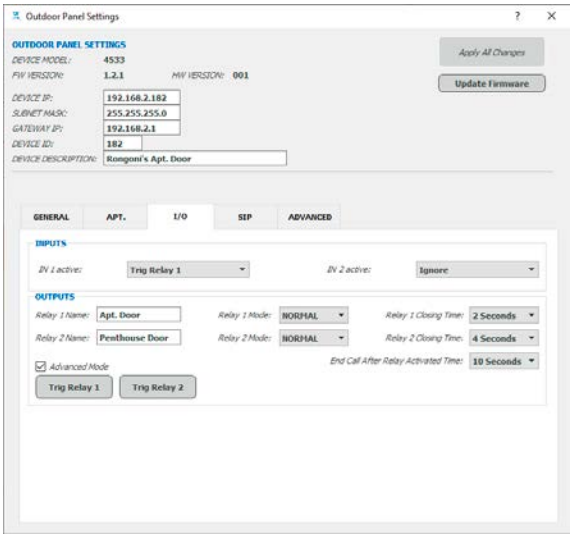

Fig. 25 Outdoor Panel 4512 - INPUT OUTPUTS

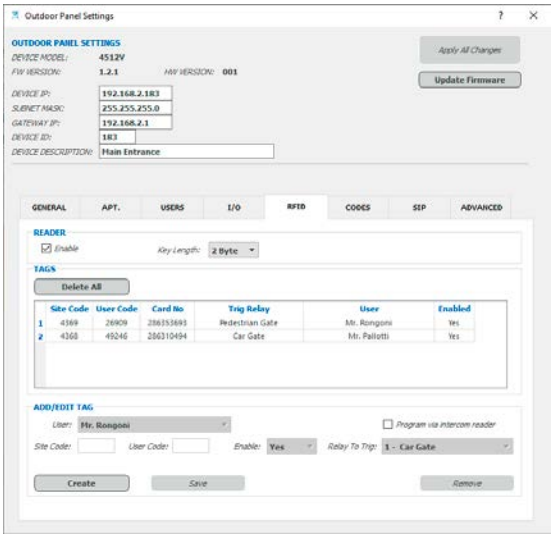

Fig. 26 Outdoor panel 4512 - RFID SETTING

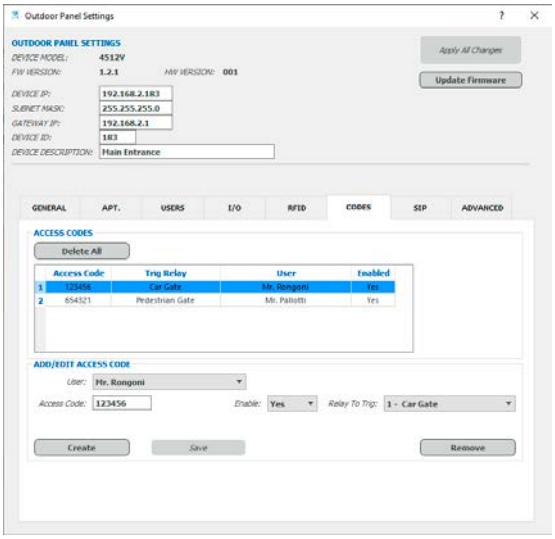

Fig. 27 Outdoor Panel 4512 - CODES SETTINGS

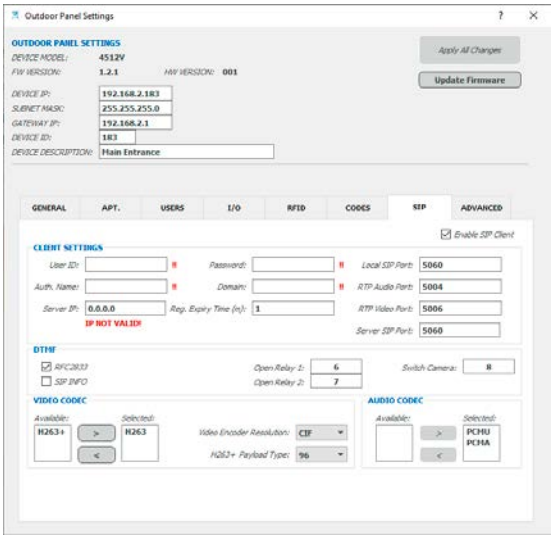

Fig. 28 Outdoor Panel 4512 - SIP CLIENT

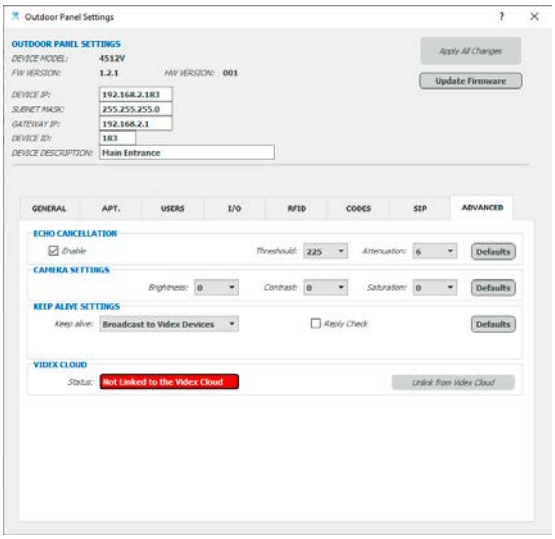

Fig. 29 Outdoor Panel 4512 - ADVANCED SETTINGS

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 videophone 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.

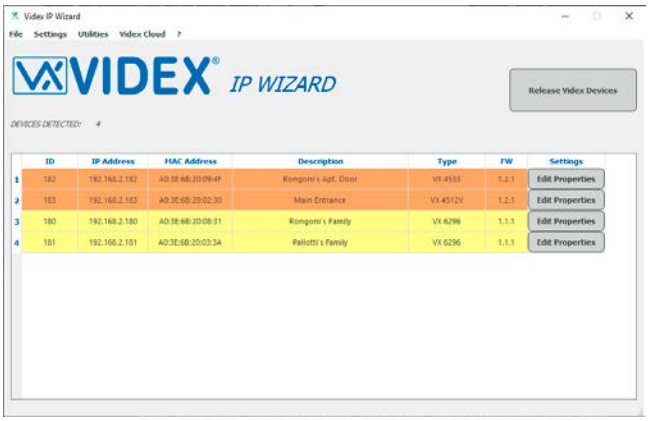

Fig. 30 Edit Video Intercom properties

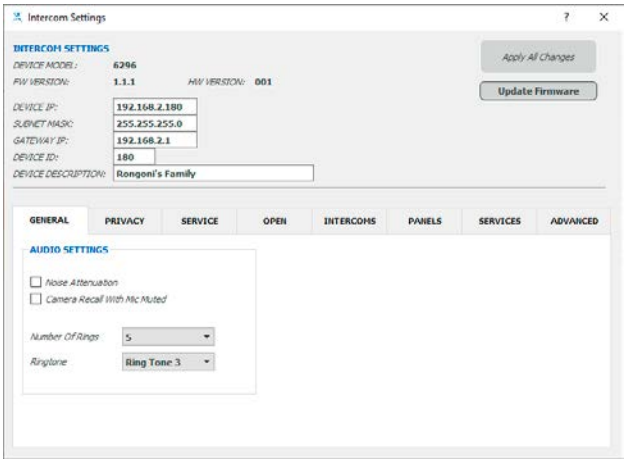

Fig. 31 Video Intercom - General Settings tab

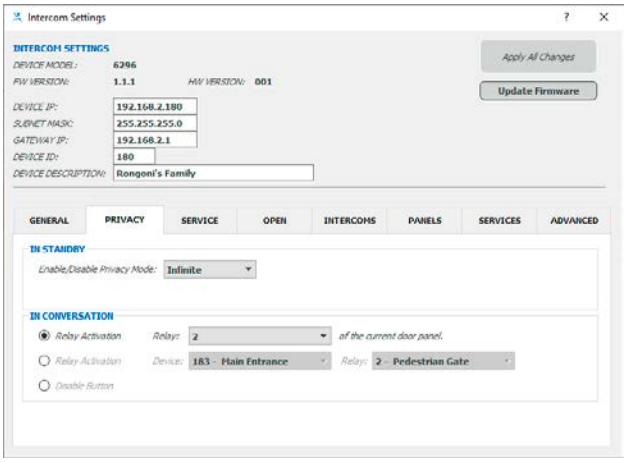

Fig. 32 Video Intercom - Privacy Button tab

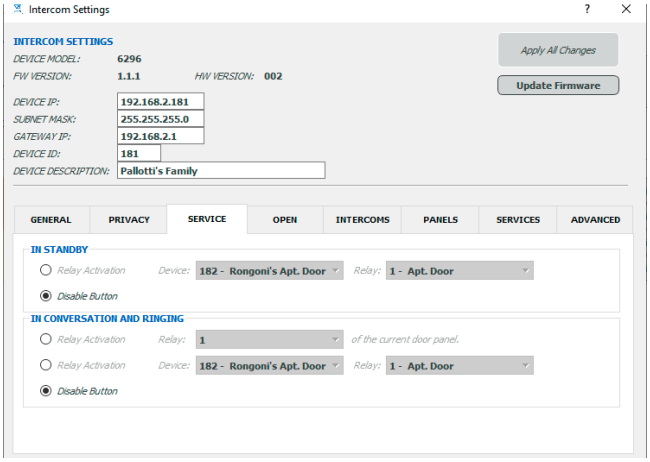

Fig. 33 Video Intercom - Service Button tab

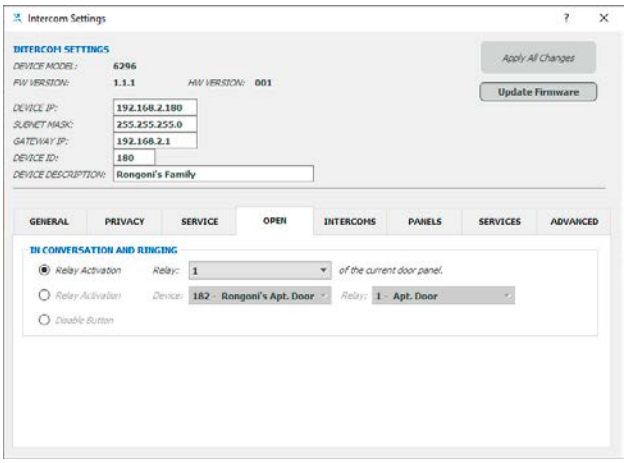

Fig. 34 Video Intercom - Open Button tab

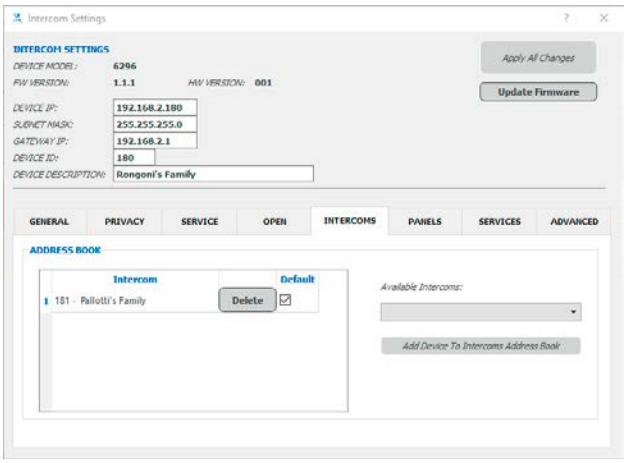

Fig. 35 Video Intercom - Intercoms Addr. Book tab

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 S 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.

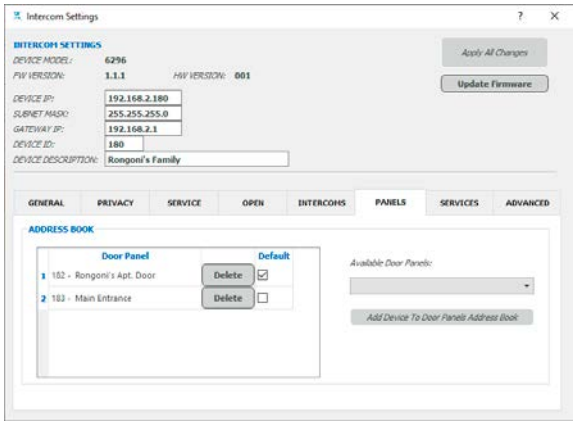

Fig. 36 Video Intercom - Panel Addr. Book tab

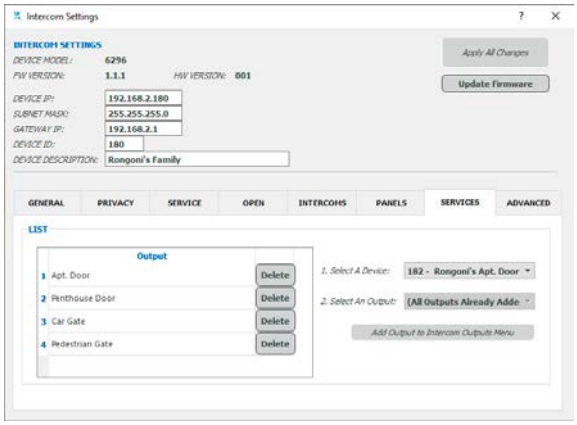

Fig. 37 Video Intercom - Services List

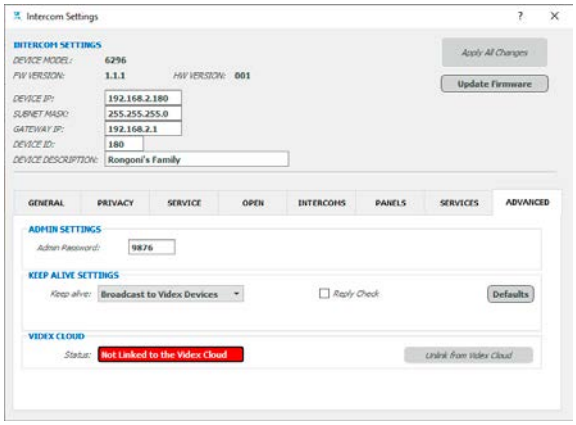

Fig. 38 Video Intercom - Advanced Settings Tab

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".

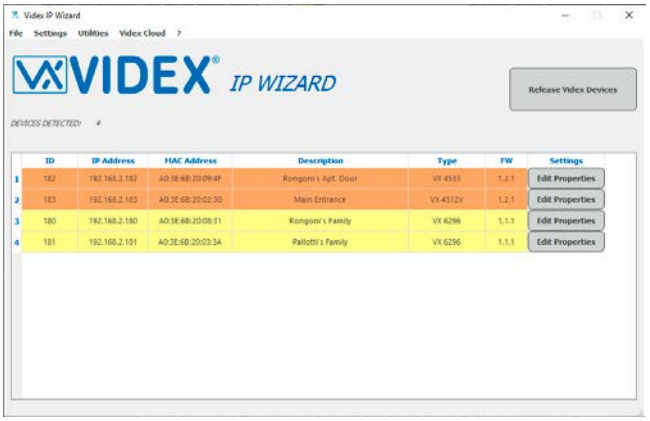

Fig. 39 Click on edit properties

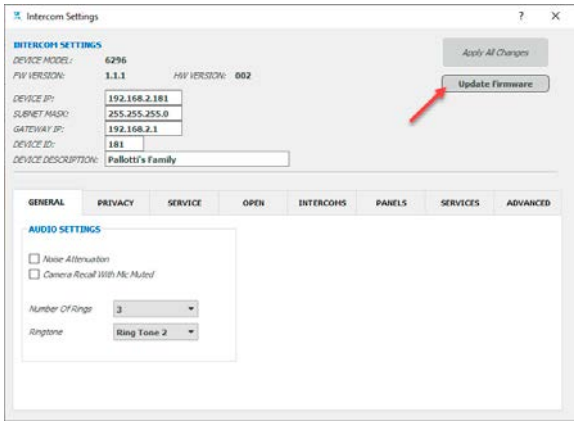

Fig. 40 Click on update firmware button

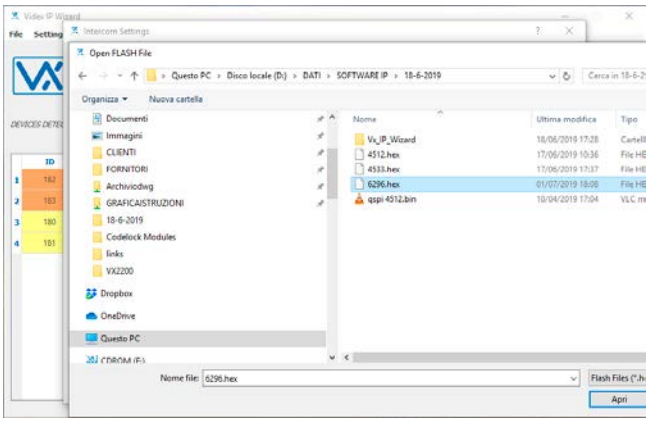

Fig. 41 Select the proper firmware file

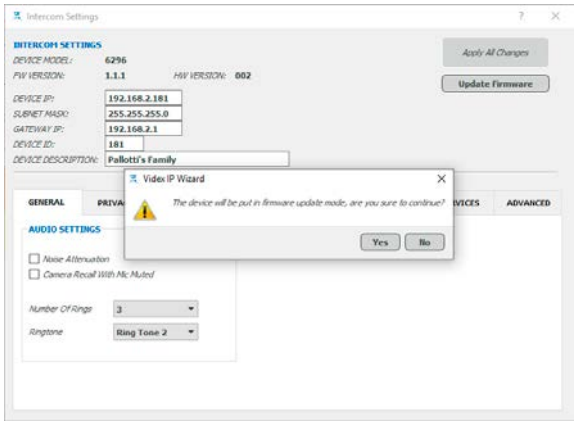

Fig. 42 Confirm the update clicking on yes button

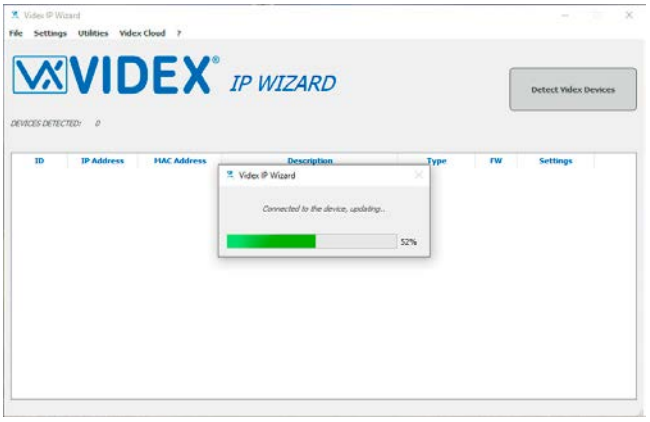

Fig. 43 Firmware update in progress

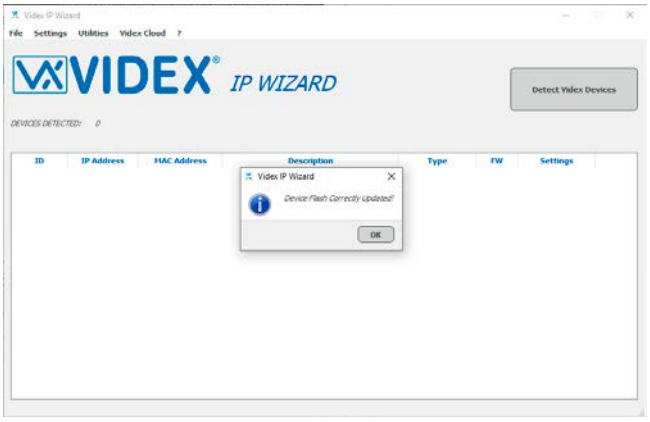

Fig. 44 Firmware update confirmation

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.

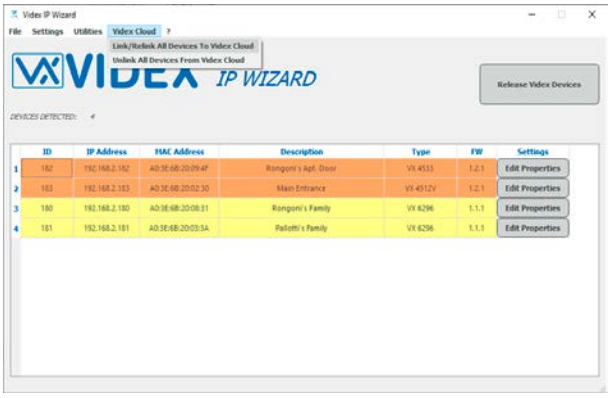

Fig. 45 Click on Videx Cloud-> Link Site to Videx Cloud

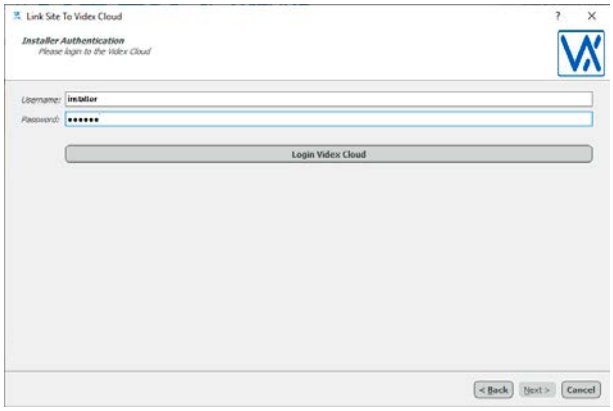

Fig. 46 Login Videx Cloud

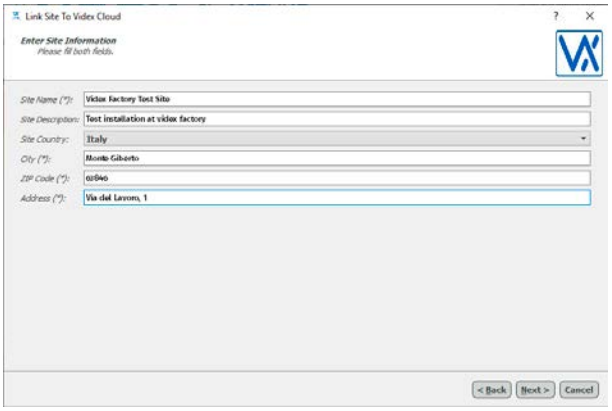

Fig. 47 Enter Site Information

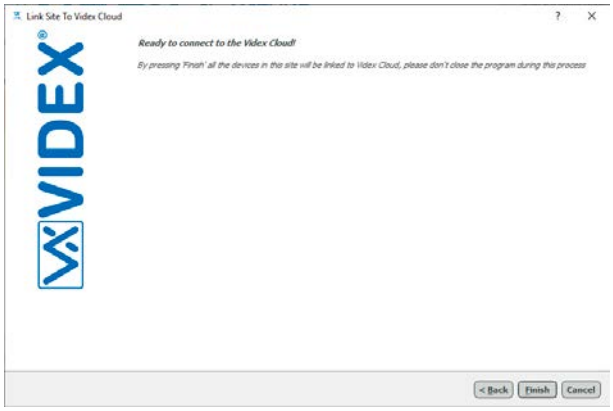

Fig. 48 Ready to connect to Videx Cloud

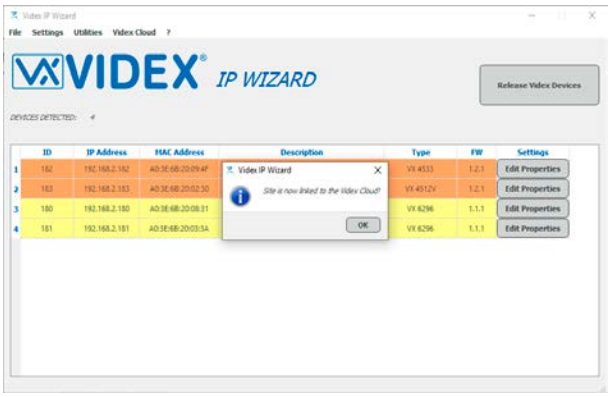

Fig. 49 Site is now linked to the Videx Cloud!

Fig. 50 Videophone binding code

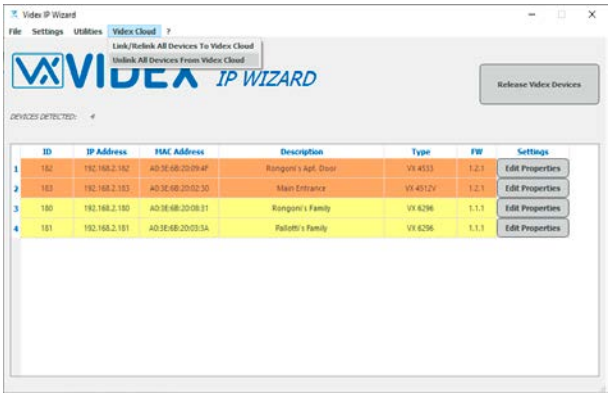

Fig. 51 Unlink from Videx Cloud

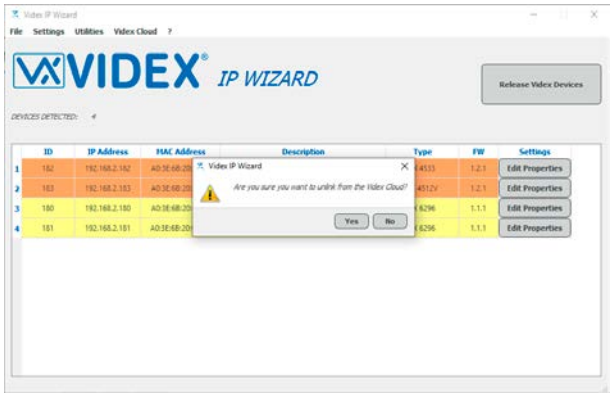

Fig. 52 Confirm Unlink

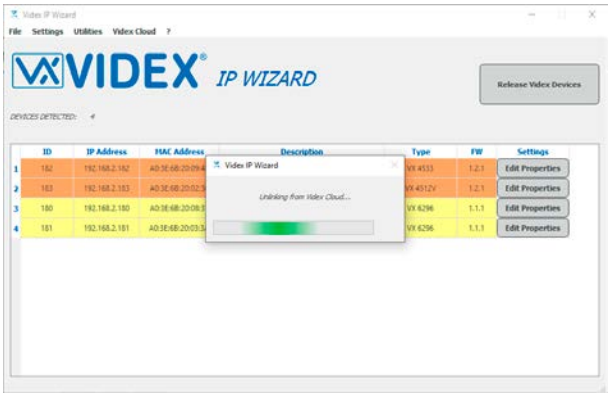

Fig. 53 Unlinking Process

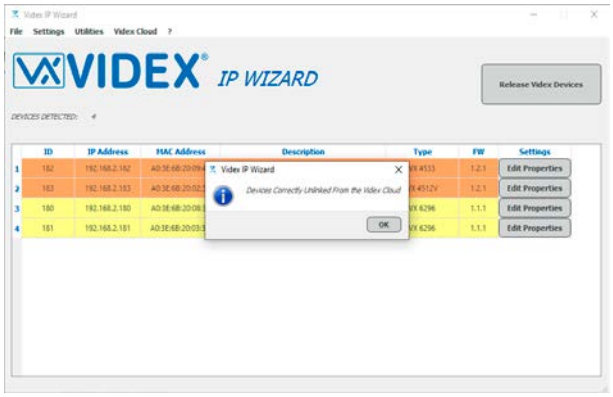

Fig. 54 Devices Correctly Unlinked

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 33** 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.

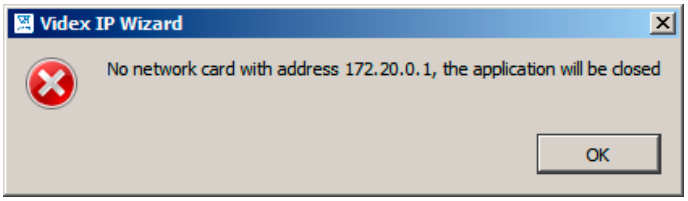

Fig. 55 No network card with address 172.20.0.1

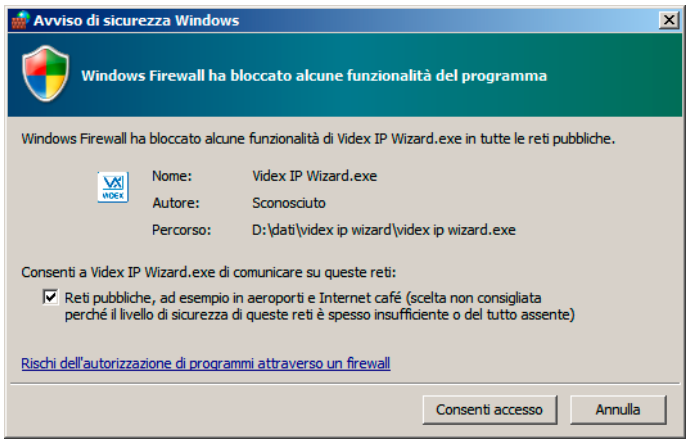

Fig. 56 Windows Firewall Warning

Fig. 57 No Devices Detected

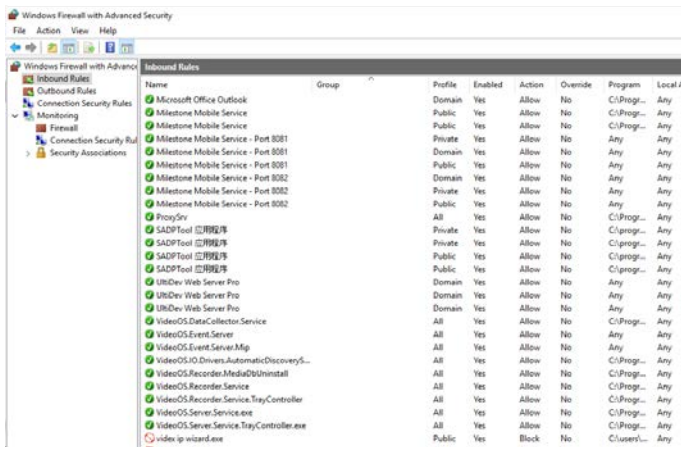

Fig. 58 Open windows firewall inbound rules

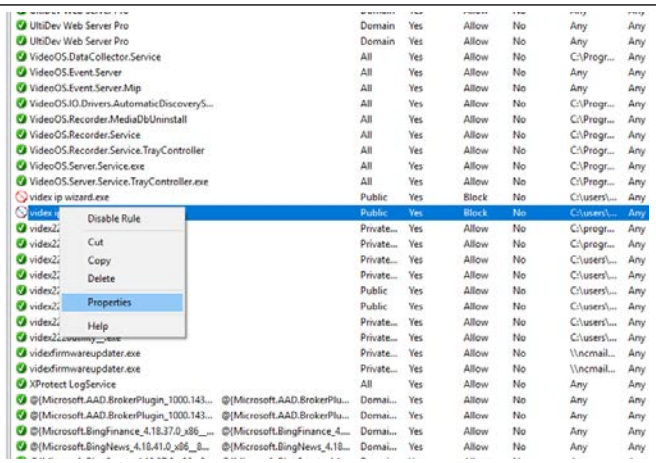

Fig. 59 Edit properties for Videx IP Wizard

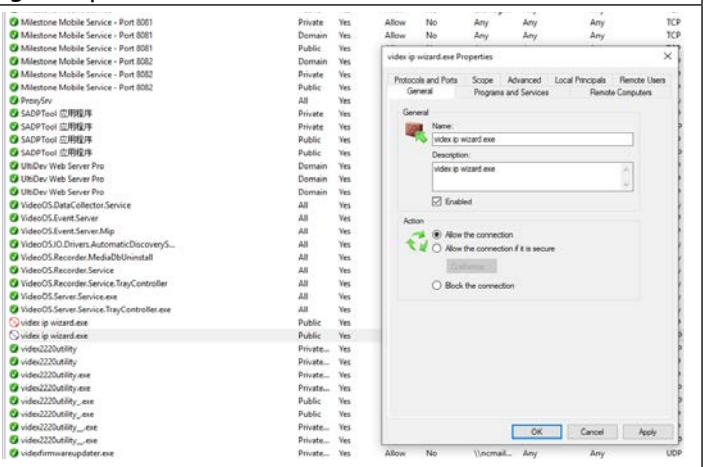

Fig. 60 Allow the connection

SIP 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).

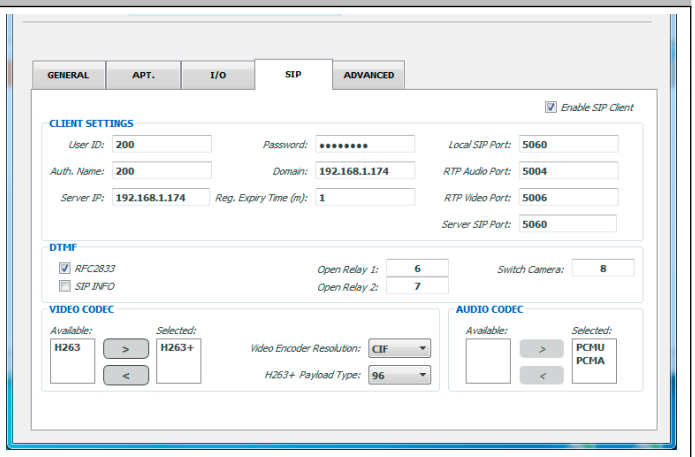

Fig. 61 SIP Configuration in detail

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.

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.

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يحمل المنتَج علامة التوافق الأوروبِّي CE لإظهار توافقه مع المواصفات ذات الصِلة وإمكانية توزيعه في كافَّة دول الاتِّحاد الأوروبِّي بدون أيَّة قيود.
يلبِّي هذا المنتَج جميع متطلَّبات التوجيهات الأوروبِّية EU/2014/30 (EMC); 2014/35/EU (LVD); 2011/65/EU (RoHS) –:
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