CONFIGURATION MANUAL

ALARMSPACE CONFIGURATION FOR VESTA BY CLIMAX

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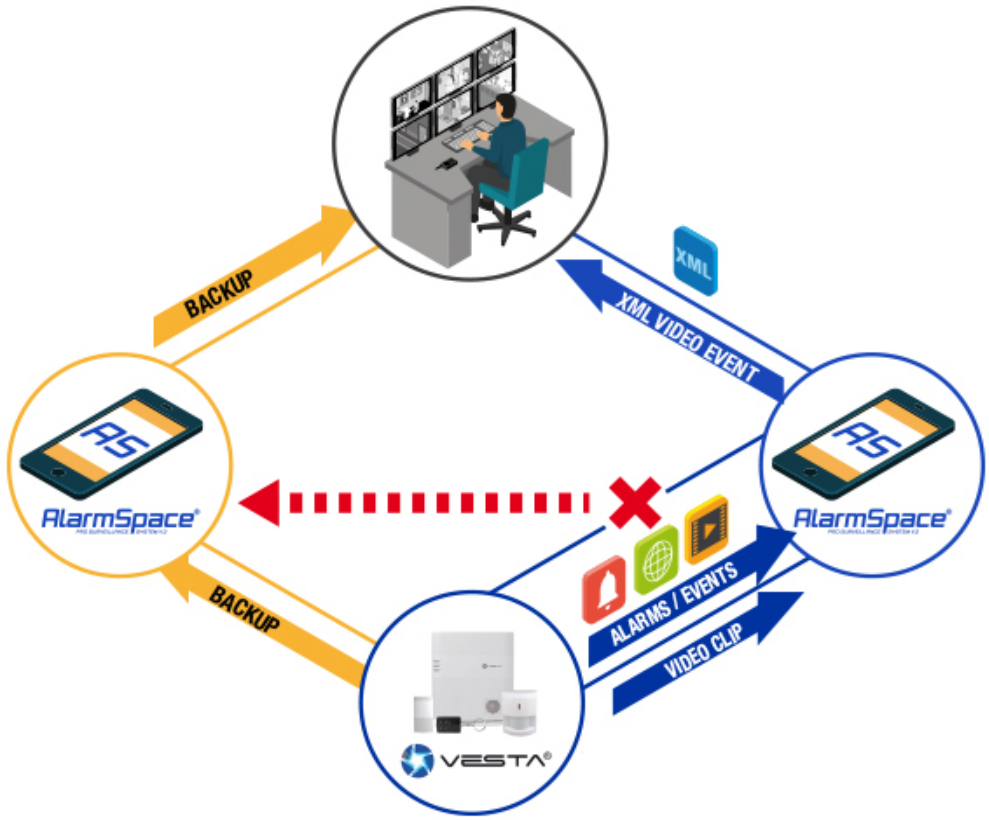
Introduction

Welcome

The Climax VESTA intrusion panel can send the generated events in different formats. AlarmSpace has expanded its capabilities to receive these events, process them and generate new output signals adapted to the protocols of the main reception software currently in our country (Manitou, SBN, Softguard and compatible).
In addition, the AlarmSpace itself performs a programmable polling control and offers us the option to deactivate subscribers (they are not sent to the ARC software) and to change the polling times. Additionally we can monitor the events received in real time.
The reception system offers a high availability configuration through a cluster of two machines (main and backup) that reduce very low levels of possibility of losing events or suffering significant delays.

VESTA panel Programming

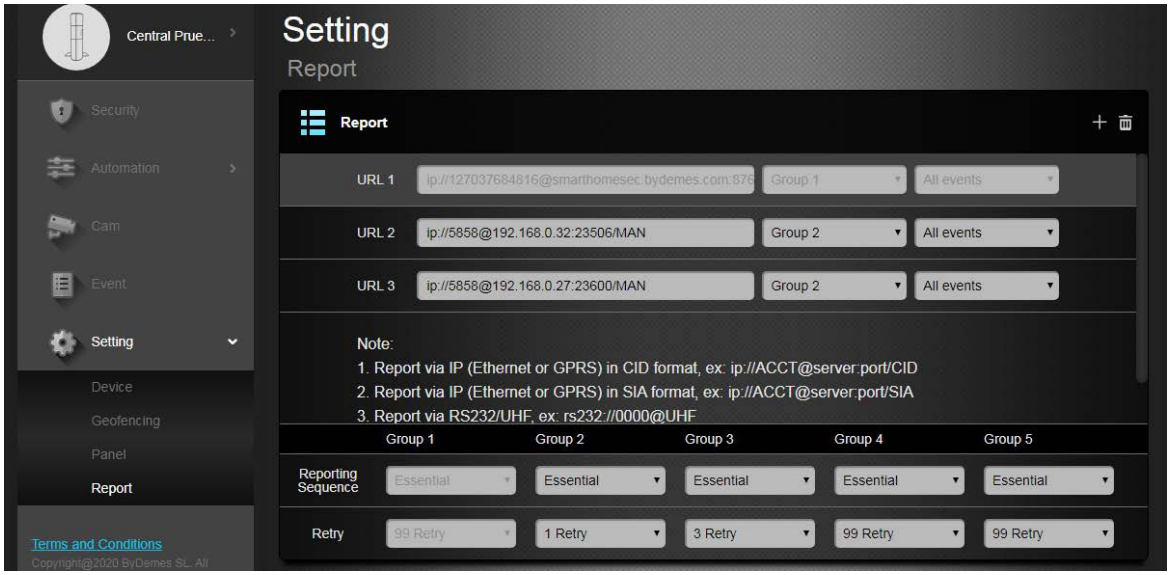
The recommended programming scheme for the correct reception of VESTA Panel events is as follows:



In this figure ARC represents the ARC receiving software, VESTA an installed control panel and AlamSpace MAIN and BACKUP are two Instances of AlarmSpace on two different machines. They

can be virtualized but we advise that they remain on different physical machines. If the connection with AlarmSpace MAIN fails, the control panel will try to connect through AlarmSpace BACKUP. It will always retry the MAIN connection to see if it recovered.

To program the communication parameters in the VESTA panel we must go to the ByDemes Cloud: https://smarthomesec.bydemes.com/ByDemes/ and access with our username and password. Once inside we select the desired panel and go to the Setting / Report section



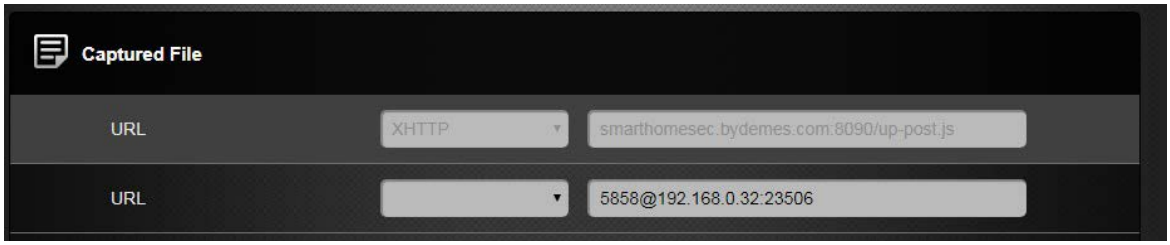
In the different URLs we configure the communication parameters. URL1 is reserved for internal use. In URL 2 we enter the data of our main AlarmSpace receiver in the following way:

Ip://1234@123.123.123.123:23506/MAN

Where 1234 is the subscriber number, 123.123.123.123 is the public IP of AlarmSpace and 23506 is the port opened for the AlarmSpace machine to receive events.
In the group we assign Group 2, this assures us that all events will be sent.
To ensure maximum availability we recommend assigning a new URL (URL 3). This has to be directed to the Backup AlarmSpace machine (with the public IP of the backup machine and the open port on that machine). We will also choose Group 2 to send only the events that fail on the main route (different group all are sent, same group sends only those that fail in the previous one).

In the Sending Sequence (Reporting Sequence) we choose Essential and in retries we recommend only one retry to speed up the passage to the secondary route if the shipment fails (if the secondary route is not used we can increase up to 3 retries).

Image upload data will be missing:



Also with the "MAN" protocol and the chain 1234@123.123.123.123: 23506 with the same subscriber number, IP and port as on the main field.

We click "Send" and we have the assigned communications.

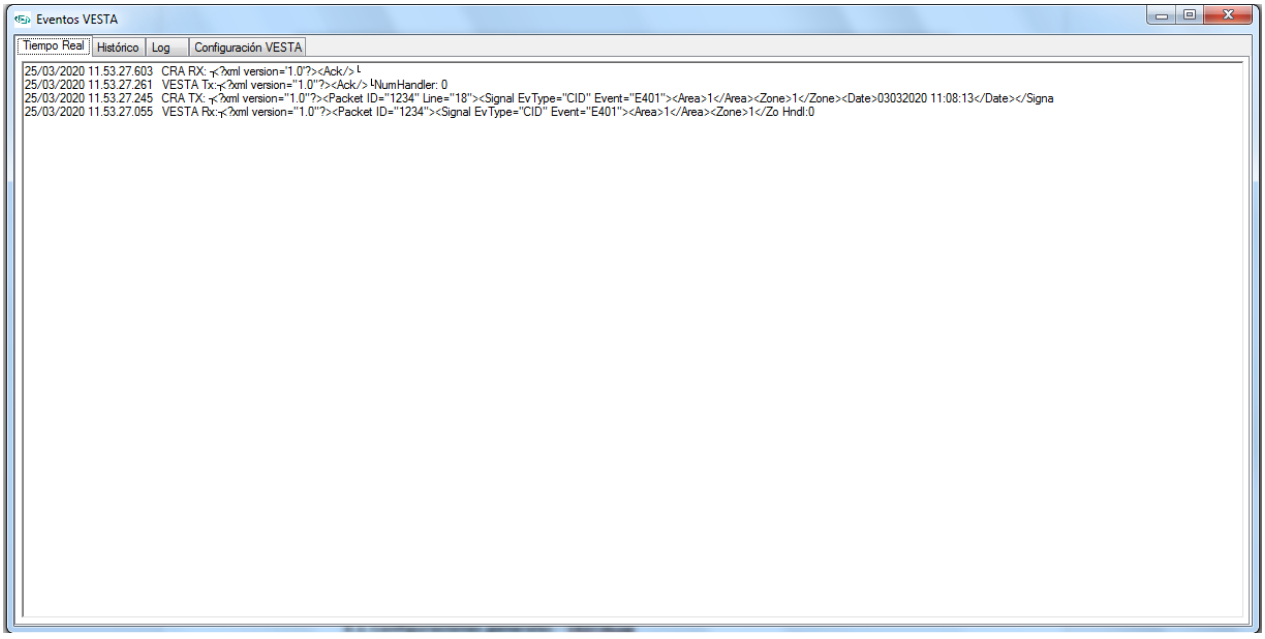
IMPORTANT NOTE
We recommend that communication with the AlarmSpace BACKUP be carried out over another communication channel (another fiber / ADSL different from the main one) and to be able to be from different Operators (with different physical infrastructure), to ensure the reception of events if one of the communication channels fail.

AlarmSpace Settings

General settings – VESTALog

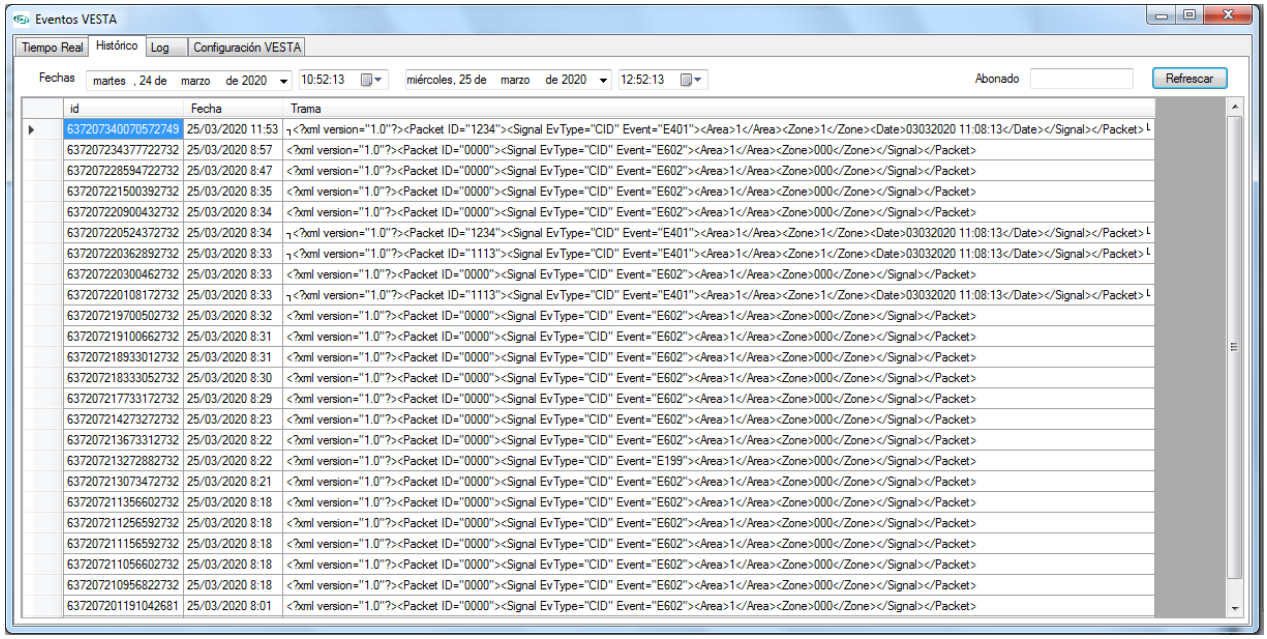
The VESTALog application has different functionalities. View the events received and forwarded to the ARC reception software in real time, view history of the processed frames, a text log with the receiver's operating details and a configuration of the receiver's parameters.

Real time



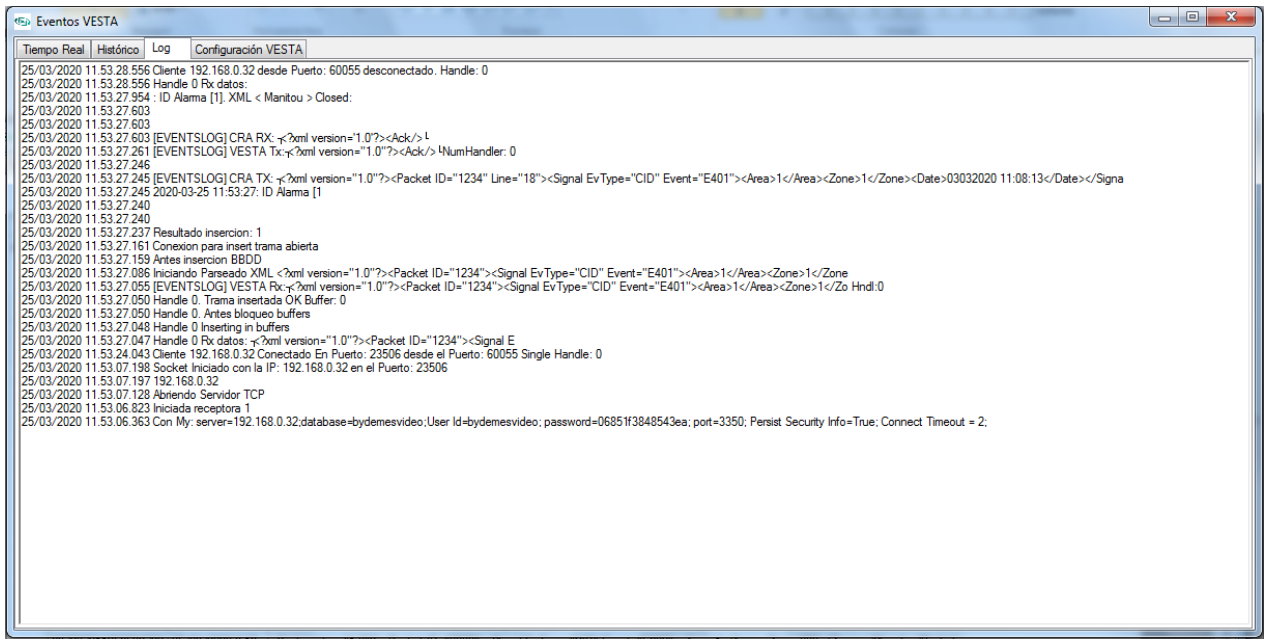
We view the events received from the VESTA panels, the responses and the events sent to the ARC software and their responses.

History



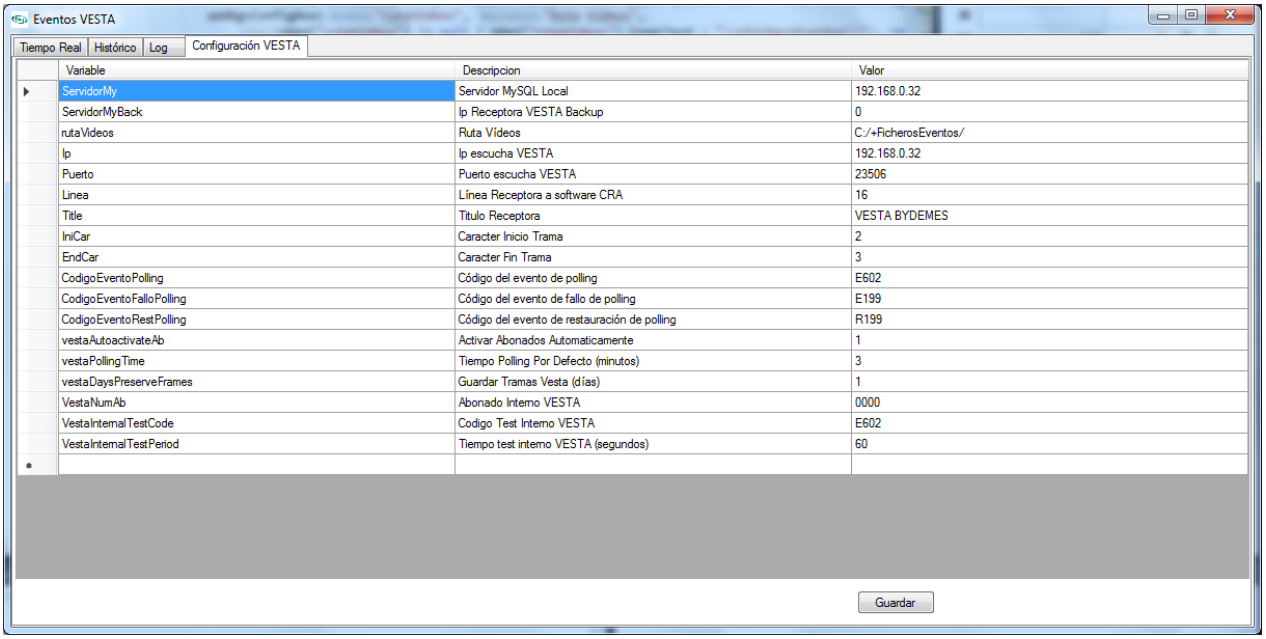
The frames received from the VESTA exchanges are displayed. We can filter them by dates and by subscriber number.

Log



Record of actions performed by the application. Useful for testing and debugging.

VESTA configuration



Variable	Descripcion	Valor
ServidorMy	Servidor MySQL Local	192.168.0.32
ServidorMyBack	Ip Receptora VESTA Backup	0
rutaVideos	Ruta Vídeos	C:/+FicherosEventos/
Ip	Ip escucha VESTA	192.168.0.32
Puerto	Puerto escucha VESTA	23506
Linea	Línea Receptora a software CRA	16
Title	Titulo Receptora	VESTA BYDEMES
IniCar	Caracter Inicio Trama	2
EndCar	Caracter Fin Trama	3
CodigoEventoPolling	Código del evento de polling	E602
CodigoEventoFalloPolling	Código del evento de fallo de polling	E199
CodigoEventoRestPolling	Código del evento de restauración de polling	R199
vestaAutoactivateAb	Activar Abonados Automaticamente	1
vestaPollingTime	Tiempo Polling Por Defecto (minutos)	3
vestaDaysPreserveFrames	Guardar Tramas Vesta (días)	1
VestaNumAb	Abonado Interno VESTA	0000
VestaInternalTestCode	Codigo Test Interno VESTA	E602
VestaInternalTestPeriod	Tiempo test interno VESTA (segundos)	60

Receiver parameters:

- MyServer: IP of the local mysql server (the own IP of the machine)
- MyBackServer: IP of the backup mysql server (leave 0 if it is in AlarmSpace Backup)
- video path: path where the received images and videos will be saved.
- Ip: local ip of the machine on which we will open the listening port.
- Port: it is a listening port. It must be opened on the router to receive events.
- Line: receiver line that is sent to the ARC software.
- Title: receiver's title for close-up mode.
- IniCar: start character of the received frame. Do not change.
- EndCar: end character of the received frame. Do not change.
- CodigoEventoPolling: the ContactID code that the application will understand as a polling signal, to control disconnections. It will not be sent to the receiving software.
- CodigoEventoFalloPolling: ContactID code sent to the third fault of the polling signal.
- CodigoEventoRestPolling: ContactID code sent when receiving a polling signal while in polling failure.
- VestaAutoactivateAb: if it is 1, the new subscribers received by the application are automatically activated. If it is one, the subscriber is registered but must be activated manually.
- VestaPollingTime: time between default pollings signals. It will automatically be assigned to all new subscribers. It can be changed individually.
- VestaDaysPreserveFrames: days that the plots of the history will be preserved.
- VetaNumAb: subscriber number of the application to send internal events.
- VestaInternalTestCode: ContactID code sent as internal test (heartbeat) of the application itself.
- VestaInternalTestPeriod: frequency with which the internal test of the application will be sent in seconds. If it is 0, the test is not sent.
- VestaAccountDefaultTestPeriod: frequency with which a VESTA Panel test will be sent to the ARC Software if it is polling correctly.

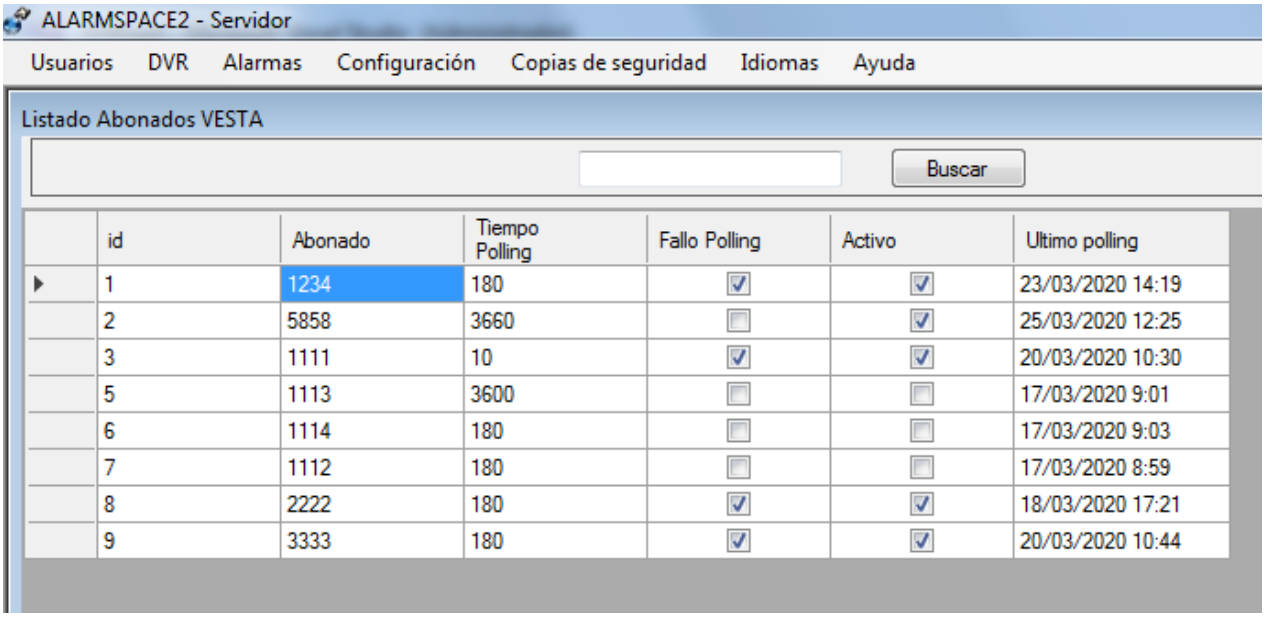
AlarmSpace General Settings

The communication parameters with the ARC Software are configured in the AlarmSpace Server, in the Configuration / Receiver Parameters section:

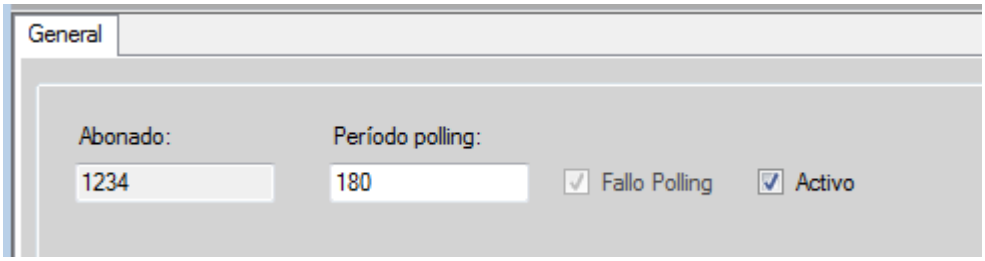
We have to select the type of program, mark as active, the port and the IP of the server. In this version the VESTA control panel only transmits in ContactID format (regardless of the selected template, which does apply to the events of the recorders).

Subscriber control

We display the subscribers of the application, if they are active or not, the polling time, if they are in polling failure and the date of the last polling:



If we double click on a subscriber we can change some parameters of the subscriber:

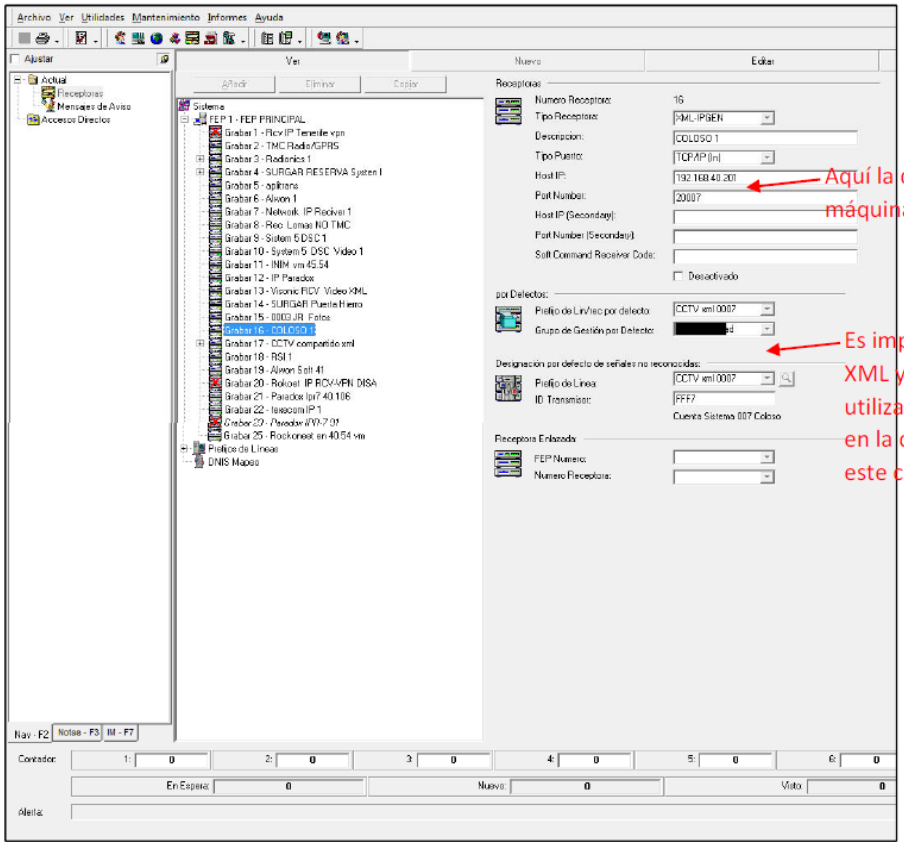


Specifically, we can change the Polling Period (to adjust it to the one programmed in the VESTA panel in question), in minutes, and activate / deactivate the subscriber. If a subscriber is inactive, the signals that may arrive are registered but do not pass to the ARC management software. It also allows you to program a test periodically (it is a polling that will arrive in the ARC software). In the example it is sent every 24 hours.

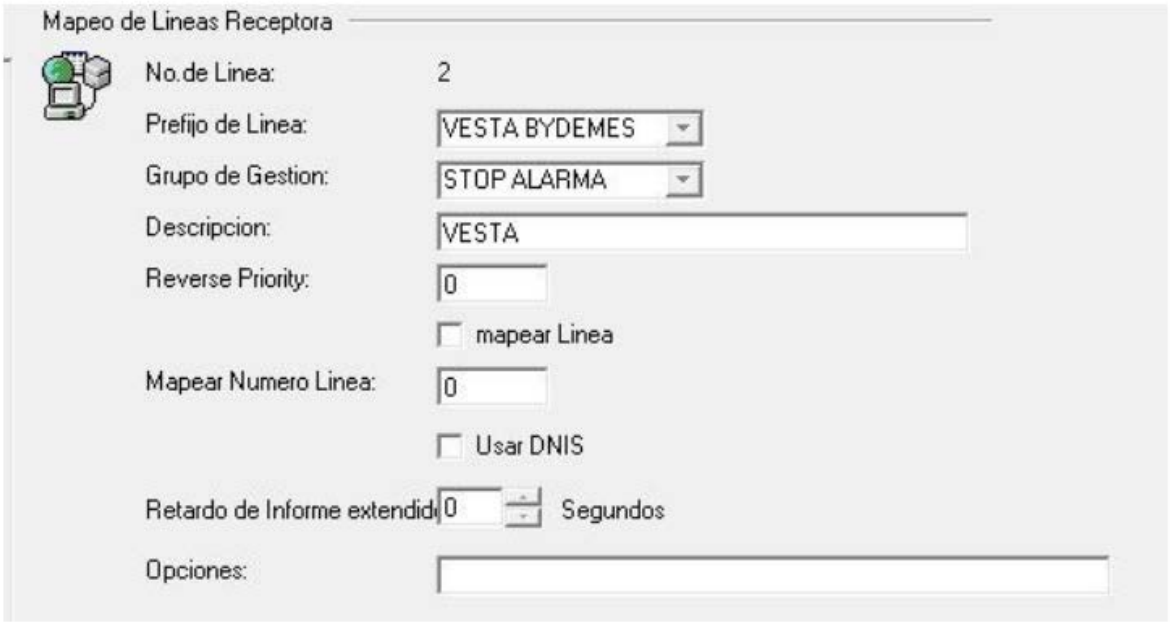
Alarm Reception Software Configuration ARC

Manitou

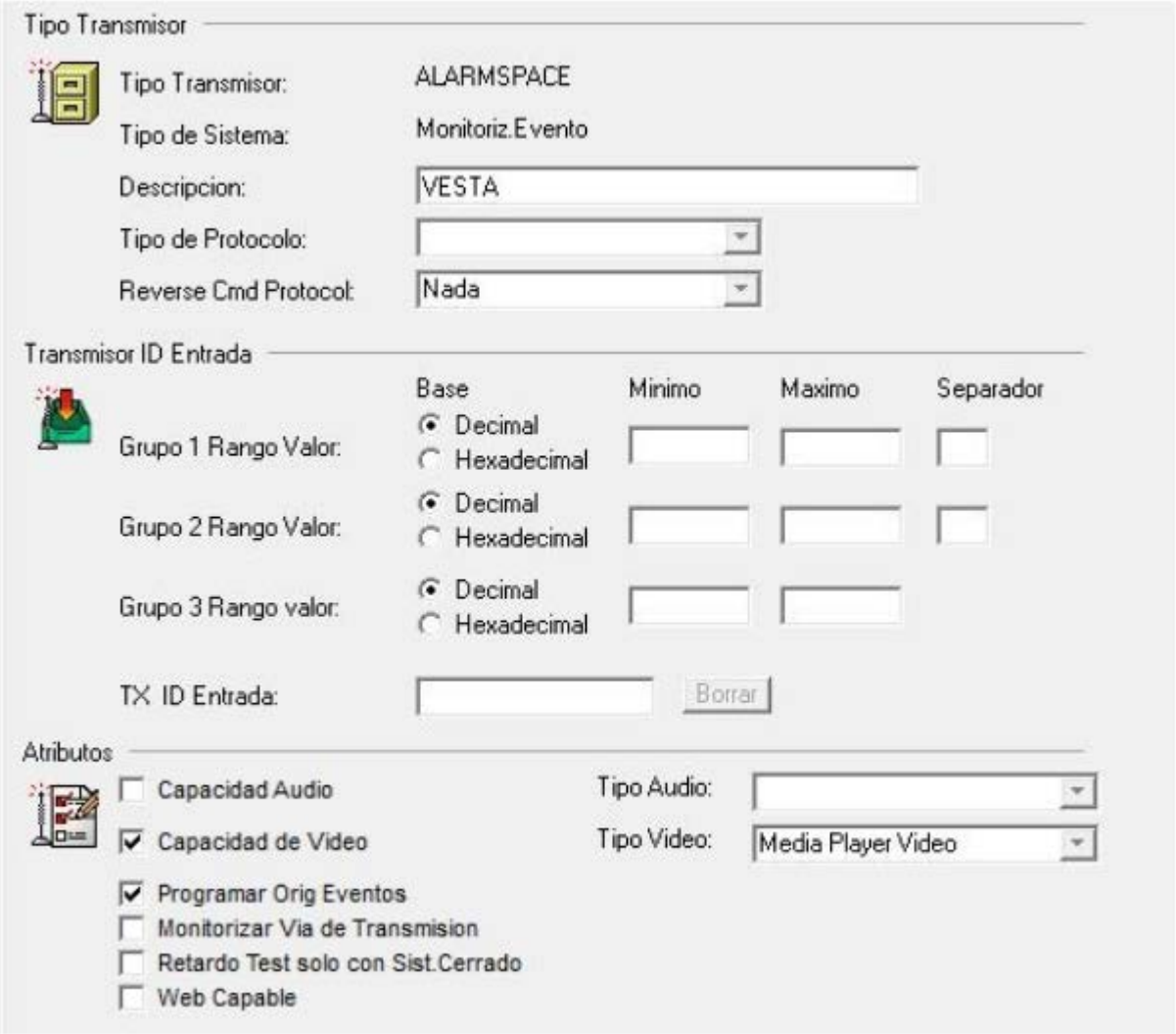
This is an example where the receivers are configured in Manitou and an example of how it should look like:



A dedicated or shared port / driver (more than one receiver) can be used.
We must choose the line that coincides with the one we have programmed in the VESTA panel:



And the type of Manitou transmitter with "Video Capability":



SBN

Contact your regular IBS technician to enable communication with the gateway.

Softguard

Contact your regular Softguard technician to enable communication with the gateway.

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