

# Soluciones Globales de Seguridad Electrónica

# **ARITECH MONITOR**

Installation Manual



### Contents

1.	Document versions	2
2.	Introduction	3
3.	Architecture	4
4.	Installation	6
5.	Configuration	9
	ARITECH Panel Configuration	9
	Configuration in Xprotect	9
	Panel configuration	9
	Configuration of elements: zones, keypads and expansion modules	10
	Alarms in Xprotect	. 12
	Rules in Xprotect	. 12
	User roles	13
6.	Operation	15
	Xprotect Smart Client	15
	Status details	19
	Status of the elements	21
7.	Troubleshooting	23



### 1. Document versions

Version	Date	Author	Description
1.0	1/2024	CLL	First version
1.1	1/2024	JCR	Addition of information



## 2. Introduction

The Aritech Monitor Plug-in for XProtect sends commands and notifications about events to the Aritech Panels and receives this information from these panels.

This plug-in also enables commands to be sent from the XProtect Smart Client application to the Aritech panel. Additionally, it monitors events within the Aritech panel closely and sends notifications about these events to XProtect. The user can configure alarms for these events in the XProtect Management Client.

The plug-in has been tested with the following panels:

• "ATS4500AIP"





### 3. Architecture

The plug-in and the Aritech Panels communicate directly with each other through the TCP/IP protocol using the Aritech NAce libraries.

The table below lists the ATS Advanced and ATS Master family of panels as well as the supported firmware versions.

ATS ADVANCED PANELS					
ATS1000A AND	ATS2000A SERIES SUPPORTED FIRM	VARE VERSIONS			
ATS1000/2000A_MR_003.003.xxx	ATS1000/2000AIP_MR_012.012.xxx	ATS1000/2000AIP_MR_026.026.xxx			
ATS1000/2000A_MR_005.005.xxx	ATS1000/2000AIP_MR_013.013.xxx	ATS1000/2000AIP_MR_027.027.xxx			
ATS1000/2000A_MR_008.008.xxx	ATS1000/2000AIP_MR_017.017.xxx	ATS1000/2000AIP_MR_028.028.xxx			
ATS1000/2000A_MR_010.010.xxx	ATS1000/2000AIP_MR_019.019.xxx	ATS2000/2000AIPC_MR_023.023.xxx			
ATS1000/2000A_MR_012.012.xxx	ATS1000/2000AIP_MR_020.020.xxx	ATS2000/2000AIPC_MR_024.024.xxx			
ATS1000/2000A_MR_013.013.xxx	ATS1000/2000AIP_MR_021.021.xxx	ATS2000/2000AIPC_MR_025.025.xxx			
ATS1000/2000A_MR_017.017.xxx	ATS1000/2000AC_MR_022.022.xxx	ATS1000/2000AIPC_MR_026.026.xxx			
ATS1000/2000A_MR_019.019.xxx	ATS2000/2000AIP_MR_023.023.xxx	ATS1000/2000AIPC_MR_027.027.xxx			
ATS1000/2000A_MR_020.020.xxx	ATS2000/2000AIP_MR_024.024.xxx	ATS1000/2000AIPC_MR_028.028.xxx			
ATS1000/2000A_MR_021.021.xxx	ATS2000/2000AIP_MR_025.025.xxx	ATS2000/2000AIPC_MR_022.022.xxx			
ATS1000/2000AIP_MR_010.010.xxx					
ATS350	OA SERIES SUPPORTED FIRMWARE VE	RSIONS			
ATS3500AIP_MR_1.0.26851	ATS1500/3500/4500AIP_MR_4.1.xxx	ATS1500/3500/4500AIP_MR_4.5.xxx			
ATS1500/3500/4500AIP_MR_2.0.xxx	ATS1500/3500/4500AIP_MR_4.2.xxx	ATS1500/3500/4500AIP_MR_4.6.xxx			
ATS1500/3500/4500AIP_MR_2.1.xxx	ATS1500/3500/4500AIP_MR_4.3.xxx	ATS1500/3500/4500AIP_MR_4.7.xxx			
ATS1500/3500/4500AIP_MR_3.0.xxx	ATS1500/3500/4500AIP_MR_4.4.xxx	ATS1500/3500/4500AIP_MR_4.8.xxx			
ATS1500/3500/4500AIP_MR_4.0.xxx					
ATS MASTER	R PANELS AND SUPPORTED FIRMWAR	E VERSIONS			
ATS4000/ATS3000/ATS2000/ATS1000 04.1	ATS4000/ATS3000/ATS2000/ATS1000 0	ATS4000/ATS3000/ATS2000/ATS1000 04.0			
1.xx	4.10.xx	9.xx			

The plug-in can send commands to the panels, areas, zones, keypads, expansion modules and outputs. Some examples of these commands are arm, disarm and isolate. It also regularly reads the status of the panels, areas and zones. For example, it flags up when an alarm has gone off or there is a malfunction in a zone. Finally, depending on its configuration, the plug-in sends notifications about these events to XProtect and then displays the status of the panel, area or zone on a plan in XProtect Smart Client.





Given the nature of this configuration architecture, the XProtect server needs to have direct access to the panel via the network so that communication can take place.



### 4. Installation

The installation of the plug-in is very straightforward: all you need to do is run the "AritechMonitorPlugin.msi" file and follow the instructions that appear in the dialog boxes.

Click "Next>" in the first dialog box that appears.



In the second dialog box, select the folder where you would like the Aritech Monitor Plug-in to be installed. You can also choose whether the plug-in will be installed for the current user only or for all users. Click "Next>" to continue.

🕼 SGSE Aritech Monitor Plugin			_		×
Select Installation Folder				(	
The installer will install SGSE Aritech Moni	itor Plugin to the foll	owing folder.			
To install in this folder, click "Next". To inst	all to a different fold	der, enter it belo	w or cli	ck "Brows	е".
Eolder: C\Program Files\SGSE\SGSE Aritech	Monitor Plugin\			Browse	
		[		Disk Cost.	
Install SGSE Aritech Monitor Plugin for y	rourself, or for anyo	ne who uses this	s comp	outer:	
Everyone					
🔾 Just me					
	< Back	Next >		Cano	el



Click "Next>" to start the installation.

🕼 SGSE Aritech Monitor Plugin			-		×
Confirm Installation					
The installer is ready to install SGSE Arite	ech Monitor Plugin (	on your compute	er.		
Click "Next" to start the installation.					
	< Back	Next >		Ca	ncel

The installer will ask whether you wish to install the plug-in with administrator permissions. There is no screenshot to demonstrate this so the client will need to add this to the document.

You will need to click on "Accept" to continue with the installation. A progress bar will show how much of the installation has been completed. There is no screenshot to demonstrate this so the client will need to add this to the document.

Once the installation is complete, the dialog box below will be displayed:

🛃 SGSE Aritech Monitor Plugin	-		×
Installation Complete			5
SGSE Aritech Monitor Plugin has been successfully installed.			
Please use Windows I Indate to check for any critical undates to the NFT	Framow	ark	
	i i cui i e wi		
< Back Close		Ca	ncel

You will need to click on "Close". The plug-in will now be installed on your system.



If the plug-in was installed correctly, the XProtect Management Client will display the dialog box below:

milestone   XPi	rotect°		
SSSE Aritech Mor	itor		
Soluciones	Globales de Seguridad Electrónica	License information	
A security syste essential com provide image occurs on an in basic when it of Aritech, deve from a single g	am that allows us to provide our facilities a high I ponents: To be able to detect possible intrusion is that support and allows us to monitor and have cons drawing plane. Therefore, the provision of a comes to protecting our facilities. Thanks to the in loped by the SGSE R&D department, it is now p graphical user interface, fully integrated into a sin	level of protection requires, at least, two attempts responding properly to them a e graphic proofs of anomalous situation in intrusion system and a CCTV system tegration into Milestone of the intrusion ossible to monitor and control both sys igle software solution.https://www.ariter	and and is s that is panels tems ch.com/
UID License			
Please provid	le the following UID to SGSE in order to have	your license generated	
	1AAP268-XI1RUF-2OTSIS	S-OU9NS0	
Copy to clip	poard		
		Select License F	ile

You will need to submit the UID code to SGSE so that the corresponding licence can be sent to you. Once the licence has been installed, the plug-in will be ready to use:

SUSE	Aritech Monitor	
	Soluciones Globales de Seguridad Elec	License information Activated: True Temporal license: False Number Of panels: 10 NumberOfAreasKey: 1000 NumberOfCutputsKey: 1000 NumberOfKeypadsKey: 1000 NumberOfKeypadsKey: 1000 NumberOfExpandersKey: 1000
	A security system that allows us to provide our fac essential components. To be able to detect possit provide images that support and allows us to mon that occurs on an icons drawing plane. Therefore, system is basic when it comes to protecting our fi intrusion panels of Aritech, developed by the SGSI control both systems from a single graphical user solution. https://www.aritech.com/	itties a high level of protection requires, at least, two ole intrusion attempts responding property to them an itor and have graphic proofs of anomalous situations the provision of an intrusion system and a CCTV aclities. Thanks to the integration into Milestone of the E R&D department, it is now possible to monitor and interface, fully integrated into a single software



# 5. Configuration

### **ARITECH Panel Configuration**

The ARITECH desktop configuration application will need to be used for the configuration of the panels. This application will also need to be used for the configuration of the areas and the linking of the relevant zones. This application can be downloaded using the link below:

https://uk.firesecurityproducts.com/en/products/intrusion/intrusion-software

#### Configuration in XProtect

There is hardly any configuration work to do within the plug-in as it reads all the information on the existing areas and zones itself and configures XProtect accordingly.

#### Panel configuration

To register a new panel, right-click on the "Panels" node and select "Add new".

nel Information	
Ŧ	1701500
Туре	A1\$4500 ~
Connection Type	ATSx500A V
	A.5. 1
Name	Antech
IP	192.168.2.44
Port	32000 ≑
PIN	
Master Password	
с	0 1 1
Connection Status	Connected

In the panel configuration interface, the following information will need to be entered: the panel type, the connection type, the IP address of the panel, the port, the PIN for the designated "installer" user of the panel, and the master password, which has two separate parts consisting of 12 characters each.



The plug-in will establish a connection with the Aritech panel and download the panel elements automatically. These elements, which consist of areas, zones, outputs, keypads and expansion modules, will be registered with their corresponding names as they appear in the panel. A list of all the devices and configurations for the elements associated with the panel will appear in XProtect Management Client automatically.

#### Configuration of elements: zones, keypads and expansion modules

The information on the zones will be pulled from the panel automatically. The type of zone can be selected based on the nature of the sensor, more specifically, whether it is a motion, perimeter, glass breakage, seismic or smoke detector, within it in the Management Client.

The detector model can also be selected from the Aritech range of detectors to display a customised icon with an image of that particular model.

The elements that make up the software solution can be customised in line with their model in the Management Client, and these elements will be displayed in the Smart Client plans. For example, you can choose the icon for a device connected to the zone you have selected by going to Mip Plug-ins> Aritech Monitor >Panels >Zones and selecting the zone to which the icon you wish to change is connected. Due to the wide range of icons available, there are several types of icon to choose from, namely motion, perimeter, glass breakage, seismic or smoke detector. Once the icon type has been selected, you can then proceed to choose the icon you wish to represent the connected device. This process can be repeated for the zones, keypads and expansion modules.



Additionally, you can choose whether the alarms will be set off automatically in XProtect when the zone goes into alarm status in the panel. You can also select any associated cameras so that their footage can be linked to the zone alarms in XProtect automatically.





The icons for the keypads and expansion modules can be customised in a similar way based on their model.



#### Alarms in XProtect

After the installation has been completed, you can view additional events in the XProtect Management Client. This consists of a list of panel, area, zone, output, keypad and expansion module Aritech events that are read by the plug-in and sent to XProtect. Alarms associated with these events can be configured.

Milestone XProtect Management Client 2023 R1				- 0	×
File View Action Maintenance Tools Help					
🗄 🦻 📀 🗢 🛍					
Materia  Materia  Image: Control (Control (Contro) (Control (Control (Control (Control (Control (Control (		• 4			
of o Input	E 🛃 Alarm Definitions	Alam definition			
Mutantice Mutante Magener Check 1001  - <td< td=""><td></td><td></td></td<>					
- Pa View Groups	ALARMA INCENDIO ZONA 200				
- Smart Client Profiles	ILLAMADA ENTRANTE	Instructions:		^	
Management Client Profiles	MOVIMIENTO Camara PerimetroEdificio1				
- 😂 Matrix	1TAMPER GALAXY ZONA1			*	
Rules and Events	- 24FORO SUPERADO RECINTO 1	Trigger			
- 🛞 Time Profiles	- A_PARADOX Alarma zona1	inggening even.	Lances Control Funct Onto and a	~	
- Notification Profiles	A_PARADOX Alarma Zone 2		Actes Control Even Categories		
- 💎 User-defined Events	A_PARADOX Armado PC Area 2		Arttech Expander Event Group		
- 🔻 Analytics Events	A PARADUX Desarmado PC Area 2	Sources:	Attach Keypad Event Group		
- Seneric Events	A JAX CONTACTO MAGNETICO	Anti-atten and ad	Attech Panel Event Goup		
- 🖧 Webhooks	- AJAX LiveQuality CO2	Activation period	Artech Zone Event Goup		
E 🕼 Security	AJAX LiveQuality Humedad	Time profile:	Device Events		
- Roles	- AJAX LiveQuality Temperatura	0.5	Hardware Events		
Rasic Users	- 3 AJAX PULSADOR DOBLE	U Event based:	Recording Server Events		
System Dashboard	- 🧟 AJAX ROBO MTT Z3		System Events		
- Current Tasks	Alarm Definition		Transaction events		
System Monitor	Alarma 1 CRA	Мар			
- System Monitor Thresholds	Alarma 2 CRA	An alarm only appears on the smart map if at l	east one source of the Nam is a camera, an input device, or a microphone		
Pridence Lock	ALARMA ASAX DEVICE MALPONCTION				
Configuration Reports	ALARMA GENERICA TAMPER				
- En Server Lone	ALARMA INTRUSION NEDAP AREA1	Alarm manager view:	Smart map		
Metadata Use	ALARMA SPC BARRERA		Man		
- 18 Metadata Search	- AMSTEST 251				
- Access Control	- 😤 ARITECH ZONA ACTIVA	Related map:		~	
E-52 Incidents	ARITECH ZONA ALARMA	Or and the section are seed.			
- 38 Incident properties	ADITECH ZONA ARMADA	operator action required			
Transact		Time limt:	1 minute	~	
- El Transaction sources	- Pefinición de alarma	Events trippered:		Select	
Transaction definitions	- 🦉 Definición de alarma 1				
E R Alarma	- 🛃 Definición de alarma 2	Other			
- 🛃 Alarm Definitions	Sefinición de alarma 3	Belated cameras:		Select	
- 👧 Alarm Data Settings	DETNOV eXpansion Module Signaling				
5 Sound Settings	Des alexad	Initial alarm owner:		~	
MIP Plug-ins	EXTENSION OFFLINE	Initial alarm priority:	1: High	~	
SISE Aritech Monitor	Forensic Wanted License Plate		*		
🗄 🔝 Panels	GALAXY TAMPER CUALQUIER ZONA	Alarm category:		~	
Areas	GALAXY TAMPER TODAS LAS ZONAS	Events trippered by alarm:		Select	
Zones	- 🛃 Intercom Puertaforzada				
Outputs	- 🛃 INTRUSION Oficina comercial	Auto-close alarm:			
- Keypads	- Thrusion Uniview	Alarm assignable to Administrators:			
Expanders	LLAMADA 1001				
SSSE MonitorVideoma	Ilamada desde intercom				
Constant of the second of					
Constrained  Constrain					
< >	- 🛃 SB IntruSION				
Cite Navigation Federated Site Hierarchy	- 🛃 SB TRIPWIRE				
Site nanyardin in oversite site meanerly		×			
🎨 🛛					

#### Rules in XProtect

You can also configure the actions you wish to be carried out on the panel:

Manage Rule				- 🗆	×
Name:	Artech				
	THROW				
Description:					
Active:					
	S	itep 3: Actions			
Select actions to per	form				
Disarm <aritech< td=""><td>Panel&gt;</td><td></td><td></td><td></td><td>^</td></aritech<>	Panel>				^
Set <aritech pane<="" td=""><td>s &gt;</td><td></td><td></td><td></td><td></td></aritech>	s >				
Force Set <arited< td=""><td>h Panel&gt;</td><td></td><td></td><td></td><td></td></arited<>	h Panel>				
Unset <aritech a<="" td=""><td>ea&gt;</td><td></td><td></td><td></td><td></td></aritech>	ea>				
Set <aritech area<="" td=""><td></td><td></td><td></td><td></td><td></td></aritech>					
Forced to Set <ar< td=""><td>itech Area&gt;</td><td></td><td></td><td></td><td></td></ar<>	itech Area>				
Part Set <aritech< td=""><td>Area&gt;</td><td></td><td></td><td></td><td></td></aritech<>	Area>				
Part Set 2 <arited< td=""><td>h Area&gt;</td><td></td><td></td><td></td><td></td></arited<>	h Area>				
Reintegrate <arite< td=""><td>ech Zone&gt;</td><td></td><td></td><td></td><td></td></arite<>	ech Zone>				
Inhibit <aritech td="" z<=""><td>one&gt;</td><td></td><td></td><td></td><td></td></aritech>	one>				
Isolate <aritech td="" z<=""><td>.one&gt;</td><td></td><td></td><td></td><td></td></aritech>	.one>				
Manage Rule					
Name:    Hetech      Description:					
Reintegrate <arite< td=""><td>ech Keypad&gt;</td><td></td><td></td><td></td><td></td></arite<>	ech Keypad>				
Isolate <aritech k<="" td=""><td>eypad&gt;</td><td></td><td></td><td></td><td></td></aritech>	eypad>				
Reintegrate <arite< td=""><td>ach Expander&gt;</td><td></td><td></td><td></td><td></td></arite<>	ach Expander>				
Isolate <aritech e<="" td=""><td>.xpander&gt;</td><td></td><td></td><td></td><td></td></aritech>	.xpander>				
					•
Edit the rule descript	ion (click an underlined item)				
Perform an action on	AlarmStart (Aritech Zone Event (	Goup)			^
from <u>Zona Z</u>	h Panals				
and Set Panel <ari< td=""><td>tech Panel&gt;</td><td></td><td></td><td></td><td></td></ari<>	tech Panel>				
and Force Set Pane	<pre>I <aritech panel=""></aritech></pre>				
and Unset Area <a< td=""><td>ritech Area&gt;</td><td></td><td></td><td></td><td></td></a<>	ritech Area>				
and Set Area Area	erea <aritech area=""></aritech>				
and Part Set Area <	Aritech Area>				
and Part Set 2 Area	<aritech area=""></aritech>				
and Reintegrate Zo	ne <u><aritech zone=""></aritech></u>				
and Innibit Zone	Aritech Zone>				
and Activate Output	t <aritech output=""></aritech>				
and Deactivate Out	put < <u>Aritech Output&gt;</u>				
and Reintegrate Ke	ypad <u><aritech keypad=""></aritech></u>				
and Isolate Reypad	Antech Neypad>				
and Isolate Expand	er <aritech expander=""></aritech>				
J					~
Uala	Creat	( De els	Marita		
неір	Cancel	< Back	Next >	Fin	isn



#### And/or link panel events to specific rules:

Select an Event	×							
Events ⊕ ∰ Hardware ⊕ 😵 Devices								
External Events								
Other  Other  Aritach Manitar								
Aritech Area Event Group								
Aritech Expander Event Group  Aritech Keypad Event Group								
Aritech Output Event Group								
aritech Zone Event Goup								
ActiveEnd (Aritech Zone Event Goup)								
AlarmEnd (Aritech Zone Event Goup)								
Armed (Aritech Zone Event Goup)								
ConnectionLost (Aritech Zone Event Goup)								
Disarmed (Aritech Zone Event Goup)								
InhibitedEnd (Aritech Zone Event Goup)								
Isolated (Aritech Zone Event Goup)								
PartialArmed (Aritech Zone Event Goup)								
Tamper (Aritech Zone Event Goup)								
Trouble (Aritech Zone Event Goup)								
Unknown (Aritech Zone Event Goup)								
⊞ SSSE MonitorVideoma								

#### User roles

In some facilities, you may want some users to have the permissions to carry out more actions on the devices within this software integration than others, and you may wish to make this dependent on their roles. It is now possible to implement this thanks to the integration solution developed by SGSE.









### 6. Operation

#### XProtect Smart Client

The plug-in automatically pulls all the information on the areas and zones associated with the panels that have been registered so they can be managed in the Management Client through the integration solution.

All items will be available to be dragged onto the plan. They will have the same name that was assigned to them by the Aritech configuration application.

The operator can send commands to:

- a) The panel itself
- b) The areas
- c) The zones
- d) The outputs
- e) The keypads
- f) The expansion modules

Right-click on a plan icon and the system will display the commands available for the selected item.

a) Panel

The following commands are available for the Panel:

- Set
- Forced to set
- Unset





#### b) Area

The following commands are available for each area:

- Set
- Forced to set
- Partially Set 1
- Partially Set 2
- Unset





#### c) Zone

The following commands are available for each zone:

- Inhibit
- Isolate
- Reset





#### d) Output

The following commands are available for each output:

- Activate
- Deactivate





#### e) Keypad

The following commands are available for each keypad:

- Isolate
- Reset



#### Status details

There is a new feature ('status details') available. If you hover over an element, such as a panel, zone, area or expansion module, and right-click on it, a pop-up menu will appear from which the 'status details' function can be selected.





If you click on 'status details', a window will appear that contains specific information on the latest events that have occurred in the selected item.





### Status of the elements

Item	Status	lcon
Panel	Normal	AT51000
	Set	ATS1000
	Partially set	AT51000
	Alarmed	AT51000
	Waiting to be set	ATS1000
	Unknown	ATS1000
Group	Normal	
	Set	
	Forced to set	
	Partially set	
	Alarmed	
	Sabotaged	
	Malfunction	
	Waiting to be set	
	Unknown	
Device	Normal	
	Active	
	Set	
	Alarmed	
	Inhibited	
	Isolated	
	Sabotaged	
	Malfunction	U
	Unknown	0



Output	Deactivated	
	Activated	
	Unknown	~ <u>?</u>
Keypad	Normal	
	Isolated	
	Alarmed	
	Sabotaged	
	Malfunction	
	Unknown	
Expansion module	Normal	EXF ; Z 32
	Alarmed	EXP # Z 32
	Isolated	EXP 6 Z 32
	Sabotaged	EXP 6 Z 32
	Malfunction	EXP + Z *
	Unknown	ÉXP é Z 32



## 7. Troubleshooting

The plug-in specific log files are located in the "C:\ProgramData\SGSE\AritechMonitor\Logs" file.

• The status of one of the panels and that of its areas and zones is unknown.

Check that the XProtect server is connected to the panel.

 The command language for the elements in the Smart Client plans needs to be changed.

Open "C:\Program Files\Milestone\MIPPlugins\AritechMonitor\

AritechMonitor.dll.config" file in edit mode and change the language value to the one required.



The languages that are currently available are Spanish (es-ES), English (en-EN), French (fr-FR), Italian (it-IT) and Dutch (nl-NL).





# Soluciones Globales de Seguridad Electrónica

Despliega tus integraciones de intrusión de la mano de SGSE

Soluciones Globales de Seguridad Electrónica www.sgse.eu / info@sgse.eu +34 91 056 43 96 C/ Anabel Segura, 7 Esc.A 1°B Alcobendas (Madrid)