

## Soluciones Globales de Seguridad Electrónica

# PARADOX MONITOR

Installation and User Manual



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### 1. Document versions

Version	Date	Author	Description
1.0	11/2023	IDP	First version



### 2. Introduction

This document explains how to install and use the Paradox Monitor software solution. It also outlines the installation processes for the different applications that are required for the Paradox Monitor to work correctly.

The Paradox Monitor software solution consists of a web service and a plugin that controls the Paradox panels, namely:

- The SGSE Panel Integration Service, which manages the connections with the panels, and
- The Paradox Monitor Plugin, which facilitates the integration of the Paradox panels into Milestone.



### 3. Architecture

The diagram below shows the architecture of this software solution.



The web service manages the connections with the panels and displays an application programming interface (API) through which it communicates with the plugin that is located within the event server. The web service therefore integrates the devices connected to the panels and their alarms through Milestone messaging.



### 4. Installation

To install the service, just run "SGSE Panel Integration Service Installer.msi" with administrator permissions. This installer is supplied by SGSE and the installation process is automatic. The installer will take you through a series of dialog boxes through which you will be asked to accept the End User Licence Agreement. The plugin cannot be used if the End User Licence Agreement is not accepted.

The following images show all the dialog boxes that will appear during the installation process for the applications mentioned previously.



Click "Next >" to start the installation.



			_	~
SGSE Panel Integration Service		_		×
Contrato de licencia		Soluciones Global	SG es de Seguridad	
Dedique unos instantes a leer el Contrat condiciones, haga clic en "Acepto" y lue	o de licencia incluido en el p ego en "Siguiente". De lo co	rograma. Si ace ntrario, haga cli	pta las c en "Cano	celar''.
End-User License Agreemen	t (EULA) of "Panel Inte	egration" Se	rvice	~
This End-User License Agreemen (the "User") and Soluciones Glo This EULA agreement governs yo Service" ("Software") directly fro (SGSE) or indirectly through a So	nt ("EULA") is a legal agre bales de Seguridad Elect ur acquisition and use o m Soluciones Globales d luciones Globales de Se	ement betwe rónica (SGSE). f our "Panel Ir le Seguridad E guridad Electro	en you Itegratior lectrónica	n a
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You will need to read and accept the End-User Licence Agreement in order to proceed with the installation.





Click "Next >" to continue.



If a Windows User Account Control dialog box appears, you should consent to allowing the installer to continue with the installation.

😸 SGSE Panel Integration Service	_		×
Instalación completada	Soluciones Git	SC obales de Segur	
SGSE Panel Integration Service se ha instalado correctamente.			
Haga clic en "Cerrar" para salir.			
< <u>A</u> trás <u>C</u>	errar	Cano	elar -

Once the installation has completed, click on "close". The service will now be installed on your system.

To install the plugin, run "SGSE Paradox Monitor Plugin Installer.msi" in the same way as "SGSE Panel Integration Service Installer.msi" was run to install the web service.



😸 SGSE Paradox Monitor Plugin	_		×
Éste es el Asistente para instalación de S Paradox Monitor Plugin	SGSE Soluciones Glo		
El instalador le guiará a través de los pasos necesarios para instalar S0 en el equipo.	àSE Parado>	K Monitor F	Plugin
Advertencia: este programa está protegido por las leyes de derechos o internacionales. La reproducción o distribución ilícitas de este program mismo, está penada por la ley con severas sanciones civiles y penales acciones judiciales que correspondan.	le autor y otr a, o de cuale , y será obje	os tratado quier parte to de toda	s : del s las
< <u>A</u> trás <u>S</u> igu	iente >	Canc	elar

Click "Next >" to start the installation.

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Contrato de licencia			Soluciones Glo	SC Scenes de Securi	
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End-User License Agreement (EULA) o	f "Para	adox M	onitor" P	lugin	^
This End-User License Agreement ("EULA") i (the "User") and Soluciones Globales de Se This EULA agreement governs your acquisiti ("Software") directly from Soluciones Globa or indirectly through a Soluciones Globales	s a leg gurida on and les de de Seg	al agreer d Electró I use of c Segurida guridad E	ment betw nica (SGSE our "Parad ad Electrór :lectrónica	veen you E). ox Monito nica (SGSE a (SGSE)	or" E) ❤
○ <u>N</u> o acepto					
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You will need to read and accept the End-User Licence Agreement in order to proceed with the installation.



Click "Next >" to proceed with the installation of the software files.



If a Windows User Account Control dialog box appears, you should consent to allowing the installer to continue with the installation.



🖟 SGSE Paradox Monitor Plugin	_		×
Instalación completada	Soluciones Globa	<b>SC</b> les de Segurid	
SGSE Paradox Monitor Plugin se ha instalado correctamente.			
Haga clic en "Cerrar" para salir.			
Utilice Windows Update para comprobar cualquier actualización import	ante de .NET	Framewo	ork.
< <u>A</u> trás <u>C</u> e	errar	Cance	elar

Once the installation has completed, click on "close". The plugin will now be installed on your system.

#### Web service configuration

By default, the web service will be configured in the following way:

Web service TCP port

The default listening port will be port 12034. These settings can be changed by following the steps outlined below:

```
"Kestrel": {
    "Endpoints": {
        "Http": {
            "Url": "http://*:12034"
        }
    }
},
```

#### Accessing the admin user account

The default access credentials for the admin user account are as follows:

Username: admin

Password: Admin-123

Both the listening port and the access credentials can be changed in the "appsettings.json" file, which is located in the "C:\Program Files\SGSE\SGSE Panel Integration



### 5. Licencing

The plugin cannot be used without a licence that stipulates the number of panels and devices that can be managed. These licences are generated by SGSE. The procedure for obtaining a file for a licence that has been purchased is described below.

### A. Obtaining UIDs

In order to generate the licence file, you will need to submit the relevant UID to SGSE. This UID is a unique identification number with which the licence is associated.

To obtain the UID, install the plugin then run the XProtect<sup>®</sup> Management Client and go to the plugin option in the side menu (*MIP Plugins > Paradox Monitor*).

The corresponding UID will be displayed on the screen if the plugin does not already have a licence.

UID para licencia	
Por favor, informe este UID a SGSE para que su licencia sea generada	
1G6MG1B-8AK68T-MZDWTS-1SO2AGW	
Copiar a portapapeles	+ Add License

You will need to submit the UID to SGSE. Once this has been done, a licence file for the UID you have submitted will be generated.

### B. Adding the licence to the system

SGSE will send you a file named "*Licence.lic*" and you will need to load this file on to the system by clicking on the **+** Add Licence button. A dialog box will then appear allowing you to select the licence file. The licence can also be added manually by copying the file to the "C:\Program Files\SGSE\SGSE Panel Integration Service" folder.



### 6. Configuration

The plugin has been designed to make the configuration process user-friendly so that the installation of the Paradox Monitor goes as smoothly as possible. When the web service and the event server are on the same machine, the plugin will be installed by default with the configuration it needs to perform its functions. If the web service and the event server are not on the same machine, the plugin will need to be configured separately.

### Plugin configuration

Go to *Tools > Options > Panel Management Server* in the Management Client. You will need to specify the URL address for the web service and the username and password used to access it.

pciones					2
ventos analíticos	Panel de usuario	Alarmas y eventos	Eventos genéricos	Servidor de gestión de paneles	<
Servidor de gestió	n de paneles				
URL del servidor d	le gestión de paneles	s			
http://localhost:1	2034				
Usuario					
admin					
Contraseña					
•••••					

If the configuration is incorrect, the following messages will be displayed:

Ha ocurido un error con la conexión al servidor de gestión de paneles. Revise la configuración del servicio de gestión de paneles.

8:52:20 Ha ocurrido un error con la conexión al servidor de gestión de paneles. Revise la configuración del servicio de gestión de paneles.



### 7. Operation

### Management Client

Go to MIP Plugins > Paradox Monitor > Paradox Panels. The panels that are registered with the panel management service will be displayed here.

Paneles Paradox 🗸	• 📮 Información de Panel Paradox		<b>→</b> ₽
Paneles Paradox	Nombre:	panel1	
	IP:	192.168.2.46	
	Puerto:	10000	
	Usuario:	1234	
	Contraseña:		
	Panel Id:	1	
	Tipo de panel:	AutoDetect	~
	Tipo de COM:	(IP	~
	ldioma:	ENGLISH	~
	Date Time:	Set date	
	Habilitado:		
		CONNECTED READY	

Panels can be added and removed by right-clicking on them.

Panele	s Par	adov.		anel1		
		Ampliar			Borrar	SUPR
		Añadir nuevo	CTRL+N		Renombrar	F2
	2	Actualizar	F5	2	Actualizar	F5

Description Field Panel name Name Panel IP address IP TCP communications port for panel Port User Panel user code Password Password for connecting to the panel through the IP Panel ID This is a unique number for each panel ranging from 1 to 65,535. This relates to the type of panel you will be connecting to. Type of panel If it is an AutoDetect panel, this field will be completed automatically when a connection is made to the panel for the first time.

The following fields will need to be completed:

Once the information has been saved, the status of the connection to the panel and a message to show whether it is ready for operation will be displayed at the bottom of the screen.



Once the panel is connected, Milestone items associated with the area zones and outputs for the panel will be created.

	🖃 👬 Plug-ins de MIP		
	Bradox Monitor		
	🖻 📒 Paneles Parac	dox	
	- 🔅 Áreas		
	Zonas		
Areas	√₊ Salidas		
Áreas 🗶 🕂	Información de Área		• Ф
🖃 Áreas			
□ panel1	Nombre:	Area2	
Area3			
	Número de áreas		
	Numero de area:	2	
	Etiqueta de área:	Area 2e	
	Área habilitada		
	Habilitada:		
	Habiilada.		
· _			
Zones			
Zonas 👻 👎	Información de Zona		<b>-</b> 7
⊡ Zonas ⊡ ∎ panel1			
Zone1	Nombre:	Zone2	
Zone2			
	1		
	Número de zona:	2	
	Número de zona:	2	
	Número de zona: Etiqueta de zona:	2 Zone 002	
	Número de zona: Etiqueta de zona:	2 Zone 002	
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	Número de zona: Etiqueta de zona: Zona Habilitada:	2 Zone 002	
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	Número de zona: Etiqueta de zona: Zona Habilitada: Partición de zona: Tipo:	2 Zone 002 1 ZX82 ~	
	Número de zona: Etiqueta de zona: Zona Habilitada: Partición de zona: Tipo: Habilitado:	2 Zone 002 1 ZX82 ~	
	Número de zona: Etiqueta de zona: Zona Habilitada: Partición de zona: Tipo: Habilitado:	2 Zone 002 1 ZX82 ~	
	Número de zona: Etiqueta de zona: Zona Habilitada: Partición de zona: Tipo: Habilitado: Configuración de alarmas	2 Zone 002 1 ZX82 ✓	

Asociar cámara



The device type for each zone can be specified in the type field.

You can configure the creation of alarms for each zone and link them with cameras at the bottom of the screen.

Disparar alamas     Asociar cámara		
Grupos		Seleccionado:
OESKTOP-FM6EDP9     Orupo de grupo de cámaras 1     hikvision     uniview     UNIVIEW IPC2322EBR5-DPZ28-C (192.168.2.     UNIVIEW IPC2324SS-DZK-I0 (192.168.2.54) -	Añadir Quitar	<ul> <li>UNIVIEW IPC2322EBR5-DPZ28-C (192.168.2.12) - Cámara</li> <li>UNIVIEW IPC2324SS-DZK-I0 (192.168.2.54) - Cámara 1</li> </ul>
< >		< >
UNIVIEW IPC2324SS-DZK-I0 (192.168.2.54) - Cámara 1 UNIVIEW IPC2322EBR5-DPZ28-C (192.168.2.12) - Cámara 1		

The option to set off alarms will be checked by default so that the alarms linked with all zones will reach Milestone.

By checking the link camera option, you can specify which cameras will be linked to the zone alarm.

Outputs

onfiguración de alarmas		
🗹 Disparar alarmas		
Asociar cámara		
Grupos	\$	Seleccionado:
DESKTOP-FM6EDP9     DESKTOP-FM6EDP9     Discrete for the second sector of the sector of	Añadir Quitar	<ul> <li>UNIVIEW IPC2322EBR5-DPZ28-C (192.168.2.12) - Cámara</li> <li>UNIVIEW IPC2324SS-DZK-I0 (192.168.2.54) - Cámara 1</li> </ul>
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UNIVIEW IPC2324SS-DZK-I0 (192.168.2.54) - Cámara 1 UNIVIEW IPC2322EBR5-DPZ28-C (192.168.2.12) - Cámara 1		



### Smart Client

Panels and their devices can be added to the plans in Smart Client.



By right-clicking on each of the plan elements, commands can be sent to the panel.





### 8. Troubleshooting

#### Licences

The message that pops up when I try to load my licence on to the system does not contain the details of the licence I have purchased.

Check if the "*Licence.lic*" file is in the "*C*:\*Program Files*\*SGSE*\*SGSE Panel Integration Service*" folder. If the file is in this folder, contact technical support.

#### Error when connecting to the panel management server

Ha ocurido un error con la conexión al servidor de gestión de paneles. Revise la configuración del servicio de gestión de paneles.

#### . 8:52:20 Ha ocurrido un error con la conexión al servidor de gestión de paneles. Revise la configuración del servicio de gestión de paneles.

An error message appears when I try to connect to the panel management server.

Check the plugin configuration in *Tools > Options > Panel Management Server* in the Management Client and ensure that the access credentials are the same as those in the "*appsettings.json*" file.

#### Further information

For more information, please see the <u>information available online</u> or contact SGSE at the following email address: <u>info@sgse.eu</u>.