



**Guide for configuring and working with the Protege
integration module**

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1 Introduction into the Guide for configuring and working with the Protege integration module

On the page:

- [Purpose of the document \(see page 4\)](#)
- [General information about the Protege integration module \(see page 4\)](#)

1.1 Purpose of the document

The *Guide for configuring and working with the Protege integration module* is a reference and information manual and is intended for configuration specialists and operators of the **Protege** integration module. This module is a part of the Fire and Security Alarm (FSA) subsystem, implemented on the basis of *Axxon One + ACFA*.

The Guide has the following information:

1. General information about the **Protege** integration module.
2. Adding the **Protege** integration module.
3. Configuring the **Protege** integration module.
4. Working with the **Protege** integration module.

1.2 General information about the Protege integration module

The **Protege** integration module is a part of the FSA implemented on the basis of *Axxon One + ACFA* and is used to monitor the events and object states and control doors, zones, relays, and **Protege** (FSA) sensors. You cannot configure the **Protege** (FSA) hardware in *Axxon One + ACFA*.



Note

For detailed information about the **Protege** FSA, refer to the official reference documentation for this system (manufacturer—Integrated Control Technology (ICT) Ltd).

Before configuring the **Protege** integration module, you must install the necessary hardware on the protected facility.

2 Supported hardware and licensing of the Protege integration module

Name of the integration module	Protege (see page 4)
Integrated software, hardware	Protege GX version 4.3.352.7 We don't guarantee the compatibility with other versions
Functionality	Monitoring, control
Licensing	Per each: • input (ACFASensor) • sensor (ACFASensor)
Information on manufacturer	Integrated Control Technology (ICT) Ltd Address: 4 John Glenn Avenue, Rosedale, Auckland 0632, New Zealand Website: ict.co ¹ Email: support@ict.co ²
Type of integration	SOFT-SOFT
Hardware connection interface	NA
ACFA version	6.0 ³

¹ <https://ict.co/>

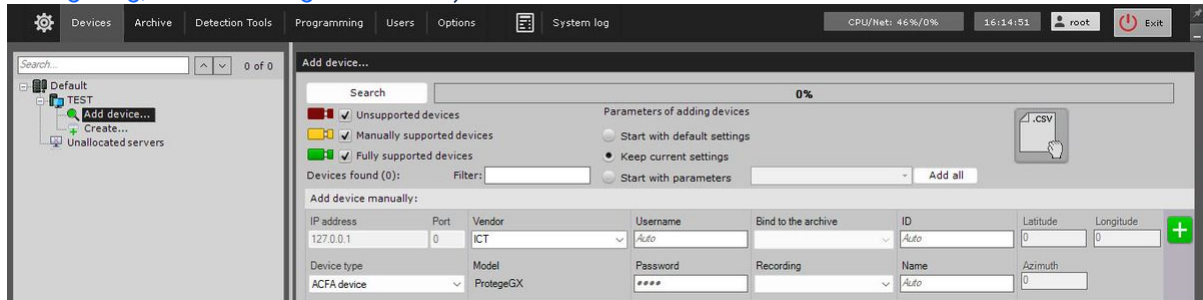
² <mailto:support@ict.co>

³ <https://docs.axxonsoft.com/confluence/spaces/AxACFA10EN/pages/345737008/ACFA+6.0+Release+Notes>

3 Adding the Protege integration module

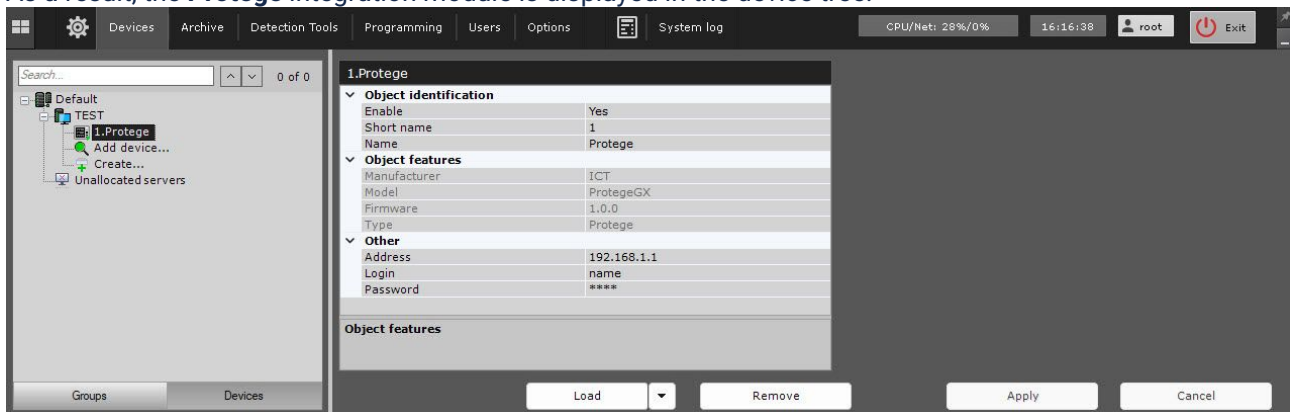
To add the **Protege** integration module to the system, do the following:

1. Add the device to the system manually using the IP Device Discovery Wizard (see [Searching, adding, configuring, and removing IP devices⁴](#)):



2. From the **Device type** drop-down list, select **ACFA device**.
3. From the **Vendor** drop-down list, select **ICT**. In the **Model** field, the **ProtegeGX** model is selected by default.
4. Click the  button.

As a result, the **Protege** integration module is displayed in the device tree.

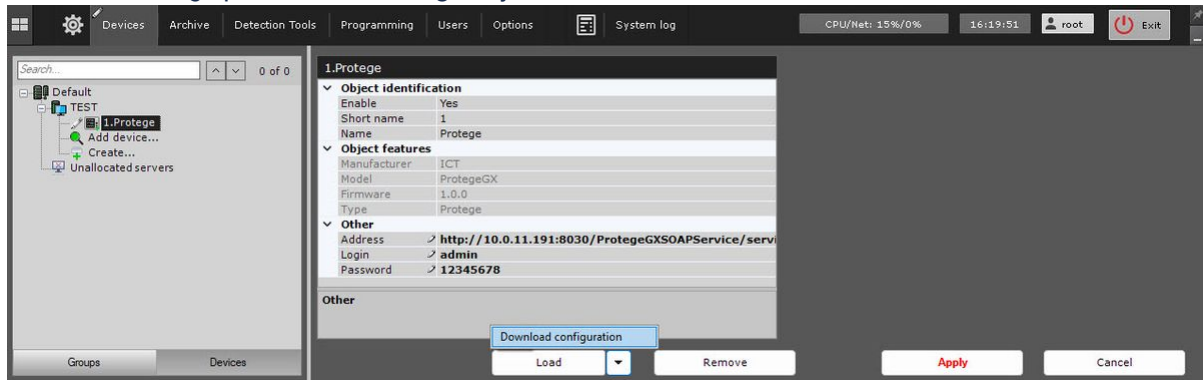


⁴ <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246484249/Searching+adding+configuring+and+removing+IP+devices>

4 Configuring the object of the Protege integration module

To configure the object of the **Protege** integration module, do the following:

1. Go to the settings panel of the **Protege** object.



2. In the **Address** field, enter the full URL of the Protege GX SOAP service. The standard format is `http://<IP address of the Protege GX server>:<port>/ProtegeGXSOAPService/service.svc`

Note

- This address is the endpoint of the web service through which *Axxon One* communicates with the access control system. Make sure that the specified port (**8030** is often used by default) is open and accessible from the *Axxon One* server.
- Specifying only the IP address without the full path to the service is insufficient and results in a connection error.

3. In the **Login** field, enter the username for authorization in the Protege GX manufacturer's software.

Note

- We recommend using a separate user created directly in the Protege GX software with an explicit password for connection.
- We recommend not using the embedded admin account without a password. In some configurations, this results in a **Server not connected** connection error, even if you specify the IP address correctly.

4. In the **Password** field, specify the user password for authorization in the Protege GX manufacturer's software.
5. Click the **Apply** button to save the settings.
6. To download the configuration and build the device tree, click the  button and select **Download configuration** from the drop-down list.
7. Click the **Apply** button.

Configuring the object of the **Protege** integration module is complete. A device tree is built:



5 Working with the Protege integration module

5.1 General information about working with the Protege integration module

To work with the **Protege** integration module, use the **Map**, **Equipment Board**, and **Macro** interface objects.

For the information on configuring these interface objects, see [Configuring the interactive map](#)⁵, [Configuring an Equipment Board](#)⁶, and [Programming](#)⁷.

For the information on working with these interface objects, see [Working with the interactive map](#)⁸, [Working with Equipment Board](#)⁹, and [Macros control](#)¹⁰.

5.2 Configuring macros when working with the Protege integration module



[Programming](#)¹¹

[Macros control](#)¹²

When working with the **Protege** integration module, you can configure a macro that triggers when an event is received from **Protege**.

When configuring a macro, you must select a specific object of the **Protege** integration module.

⁵ <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246485351/Configuring+the+interactive+map>

⁶ <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/260925539/Configuring+an+Equipment+Board>

⁷ <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246485013/Programming>

⁸ <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246486362/Working+with+the+interactive+map>

⁹ <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/260925544/Working+with+Equipment+Board>

¹⁰ <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246486481/Macros+control>

¹¹ <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246485013/Programming>

¹² <https://docs.axxonsoft.com/confluence/spaces/one20en/pages/246486481/Macros+control>

Example of a configured macro:

Name: Working mode:

☐ Add to menu

Start conditions

Manual start

Start conditions:

Event:

Add event filter

ACFA: Execute action

Component:

Action:

5.3 Managing the object of the Protege integration module

You cannot manage the object of the **Protege** integration module in the **Map**, **Equipment Board**, and **Macro** interface objects.

The object of the **Protege** integration module can have the following states:

	Server connected
	Server not connected
	Default state

5.4 Managing the section of the Protege integration module

You cannot manage the section of the **Protege** integration module in the **Map**, **Equipment Board**, and **Macro** interface objects.

The following states of the **Protege Site** of the **Protege** integration module are possible:

	Default state
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5.5 Managing the controller of the Protege integration module

You cannot manage the controller of the **Protege** integration module in the **Map**, **Equipment Board**, and **Macro** interface objects.

The following states of the **Protege Controller** of the **Protege** integration module are possible:

	Default state
---	---------------

5.6 Managing the door of the Protege integration module

You can manage the door of the **Protege** integration module in the **Map**, **Equipment Board**, and **Macro** interface objects using the menu of the **Protege Door** object. To open the **Protege Door** object menu, right-click the required object. Commands to manage the door of the **Protege** integration module are described in the table:

Menu command	Function
Lock door	Lock door
Unlock door	Unlock door
Unlock door latched	Unlock latched door
Door lockout allow entry	Door lockout allow entry
Door lockout allow exit	Door lockout allow exit
Door lockout allow entry/exit	Door lockout allow entry/exit
Door lockout clear	Clear door lockout
Door cancel override	Cancel door override
Door restore status	Restore door status

Door lockout deny entry/exit	Door lockout deny entry/exit
------------------------------	------------------------------

The following states of the **Protege Door** object of the **Protege** integration module are possible:

	Default state
	Locked
	Unlocked by user
	Unlocked by schedule
	Unlocked by user timed
	Unlocked by user latched
	Unlocked by exit device
	Unlocked by entry device
	Unlocked by operator
	Unlocked by operator timed
	Unlocked by operator latched
	Unlocked by area

	Unlocked by fire alarm
	Locked by calendar action
	Unlocked by calendar action
	Unlocked by user using extended door time
	Unlocked by exit device using extended door time
	Unlocked by entry device using extended door time
	Unlocked by operator using extended door time
	Locked using extended door time
	Locked down (entry allowed)
	Locked down (exit allowed)
	Locked down (entry and exit allowed)
	Locked down (full lockdown)
	Not locked (in the locked state but not secure)

	Not locked (in the locked by calendar state but not secure)
	Closed
	Open
	Open alert
	Left open
	Forced open
	Bonding fault

5.7 Managing the area of the Protege integration module

You can manage the area of the **Protege** integration module in the **Map**, **Equipment Board**, and **Macro** interface objects using the menu of the **Protege Area** object. To open the **Protege Area** object menu, right-click the required object. Commands to manage the area of the **Protege** integration module are described in the table:

Menu command	Function
Disarm area	Disarm area
Disarm 24 hour	Disarm for 24 hours
Disarm all	Disarm all areas
Arm area	Arm area

Force arm area	Force arm area
Arm area instant	Arm area instantly
Force arm area instant	Force arm area instantly
Walk test enable	Enable walk test
Walk test disable	Disable walk test
Silence alarm	Silence alarm
Arm area stay	Leave the area armed
Arm area 24	Leave the area armed for 24 hours

The following states of the **Protege Area** object of the **Protege** integration module are possible:

	Default state
	Disabled
	Busy
	Enabled
	Disarmed
	Inputs(s) open waiting for user
	Trouble condition waiting for user

	Bypass error waiting for user
	Bypass warning waiting for user
	User count not zero waiting for user
	Unknown
	Unknown
	Armed
	Exit delay
	Entry delay
	Disarm delay
	Code delay
	Alarm activated
	Siren activated
	Alarms in memory

	Remote armed
	Force armed
	Instant armed
	Partial armed

5.8 Managing the output of the Protege integration module

You can manage the output of the **Protege** integration module in the **Map**, **Equipment Board**, and **Macro** interface objects using the menu of the **Protege Output** object. To open the **Protege Output** object menu, right-click the required object. Commands to manage the output of the **Protege** integration module are described in the table:

Menu command	Function
Deactivate	Deactivate output
Activate	Activate output
Activate timed	Activate timed output
Cancel override	Cancel output override
Restore status	Restore output status

The following states of the **Protege Output** object of the **Protege** integration module are possible:

	Default state
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	Off
	On
	Pulse on
	On timed
	On pulse timed
	Off by calendar action
	On by calendar action

5.9 Managing the input of the Protege integration module

You can manage the input of the **Protege** integration module in the **Map**, **Equipment Board**, and **Macro** interface objects using the menu of the **Protege Input** object. To open the **Protege Input** object menu, right-click the required object. Commands to manage the input of the **Protege** integration module are described in the table:

Menu command	Function
Remote bypass	Remote bypass of alarms for input
Bypass until next disarm	Alarms bypass until next disarm
Bypass permanently	Bypass permanently alarms for input

The following states of the **Protege Input** object of the **Protege** integration module are possible:

	Default state
	Closed/off
	Open/on
	Tamper
	Short circuit
	Not bypassed
	Input bypassed
	Siren lockout
	Input bypassed latched

5.10 Managing the alarm input of the Protege integration module

You cannot manage the alarm input of the **Protege** integration module in the **Map**, **Equipment Board**, and **Macro** interface objects.

The following states of the **Protege Trouble input** object of the **Protege** integration module are possible:

	Default state
	Closed/off

	Open/on
	Input bypassed
	Input bypassed latched

5.11 Managing the elevator of the Protege integration module

You cannot manage the elevator of the **Protege** integration module in the **Map**, **Equipment Board**, and **Macro** interface objects.

The following states of the **Protege Elevator** object of the **Protege** integration module are possible:

	Default state
	Floor secured
	Floor opened by schedule
	Floor opened by area
	Floor opened by user (latched)
	Floor opened by user (timed)
	Floor opened by programmable function
	Floor opened by access

	Floor opened by access and schedule
	Floor opened by access and area
	Floor opened by access and user (latched)
	Floor opened by access and user (timed)
	Floor opened by access and programmable function

5.12 Managing the module of the Protege integration module

You cannot manage the module of the **Protege** integration module in the **Map**, **Equipment Board**, and **Macro** interface objects.

The following states of the **Protege Module** object of the **Protege** integration module are possible:

	Default state
	Online
	Registered