



Cerberus PRO Integration Module Settings Guide

ACFA PSIM 1.0

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1 Introduction into Cerberus PRO Settings Guide

On the page:

- [Purpose of the document](#)
- [General information about Cerberus PRO integration module](#)

1.1 Purpose of the document

Cerberus PRO Integration Module Settings Guide is a reference and information guide meant for *Cerberus PRO* configuration specialists. This module is a part of the fire and security alarm subsystem implemented with the *ACFA PSIM software package*.

The guide provides the following:

1. General information about *Cerberus PRO* integration module.
2. Configuring *Cerberus PRO* integration module.
3. Operation of *Cerberus PRO* integration module.

1.2 General information about Cerberus PRO integration module

Cerberus PRO integration module is the FSA component carried out on the base of *ACFA PSIM*. It is meant for controlling and managing the *Cerberus PRO* devices. *Cerberus PRO* FSA hardware configuring in *ACFA PSIM* is impossible.

Before operating the *Cerberus PRO* integration module one needs to set the hardware on the guarded object and perform the initial configuration of *Cerberus PRO* FSA devices.

Note

For more information about *Cerberus PRO* FSA, please refer to the official documentation for this system (manufactured by Siemens Cerberus).

2 Supported hardware and licensing of Cerberus PRO integration module

Manufacturer	Siemens Cerberus Website: http://www.siemens-cerberus.ru/
Integration type	BACnet protocol
Hardware connection	Ethernet to control panel or SAFEDLINK subnet, requires at least S3 license in control panel

Supported hardware

Hardware	Function	Features
Cerberus PRO panels	Fire alarm panels	For details on the features of the <i>Cerberus PRO</i> panels, see the official reference documentation for the system.

Module licensing

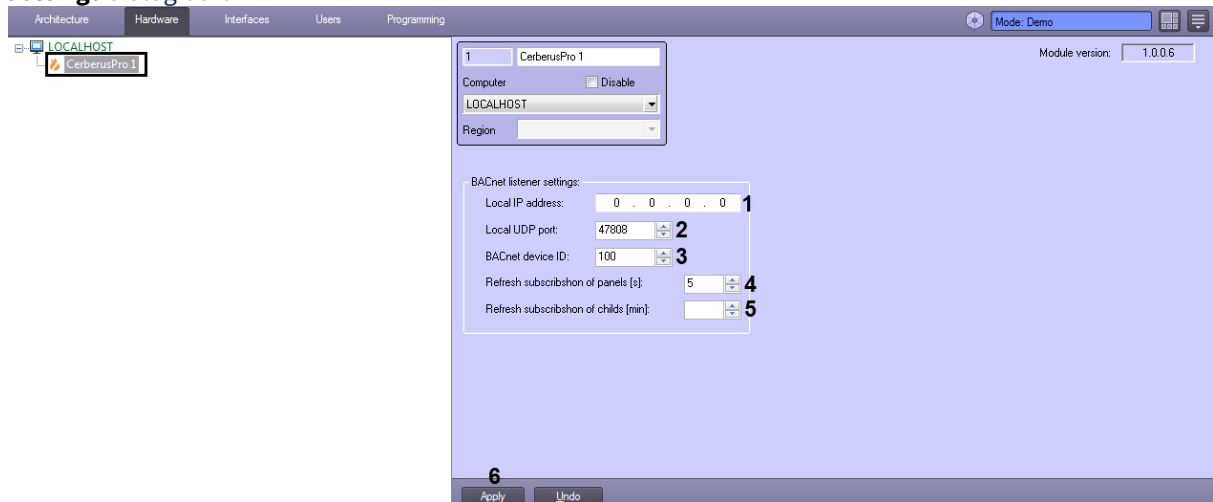
Per 1 panel.

3 Configuration of the Cerberus PRO integration module

3.1 Configuring the BACnet server Cerberus PRO

Configuring the BACnet server *Cerberus PRO* follows:

1. Create the **CerberusPRO** object on the basis of the **Computer** object on the **Hardware** tab of the **System Settings** dialog box.

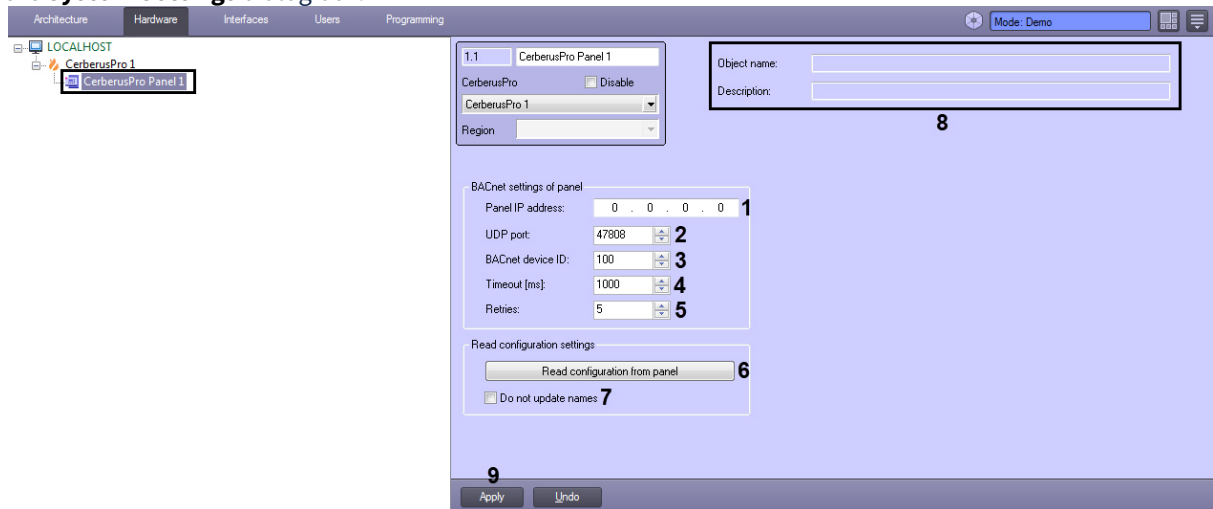


2. In the **Local IP address** field (1) specify the local IP address of the BACnet server.
3. In the **Local UDP port** field (2) specify the UDP port of the BACnet server.
4. In the **BACnet device ID** field (3) specify an arbitrary unique identifier of the BACnet server.
5. In the **Refresh subscription of panels (s)** field (4) specify in seconds the timeout for updating the panel subscription.
6. In the **Refresh subscription of childs (min)** field (5) specify the timeout in minutes for updating the subscription of child objects.
7. Click the **Apply** button (6) to save settings.

3.2 Connecting the Cerberus PRO panel

The *Cerberus PRO* panel connection is configured as follows:

1. Create the **CerberusPRO Panel** object on the basis of the **Computer** object on the **Hardware** tab of the **System Settings** dialog box.



2. In the **Panel IP address** field (1) specify the IP address of the *Cerberus PRO* panel.
3. In the **UDP port** field (2) specify the UDP port of the *Cerberus PRO* panel.
4. In the **BACnet device ID** field (3) specify the BACnet server identifier (see [Configuring the BACnet server Cerberus PRO](#)).
5. In the **Timeout (ms)** field (4) specify in milliseconds the timeout for reading the parameters of the *Cerberus PRO* panel.
6. In the **Retries** field (5) specify the number of connection retries.
7. To read the configuration from the *Cerberus PRO* panel, click on the **Read configuration from panel** button (6). As a result, child objects corresponding to the panel configuration will be created.

Note

Set the **Do not update names** checkbox (7) to prevent overwritten object names when re-reading the configuration from the panel.

If the connection is successful, information about the connected panel will be displayed in the **Object name** and **Description** fields (8).

8. Click the **Apply** button (9) to save settings.

3.3 Configuring child objects of the Cerberus PRO Panel

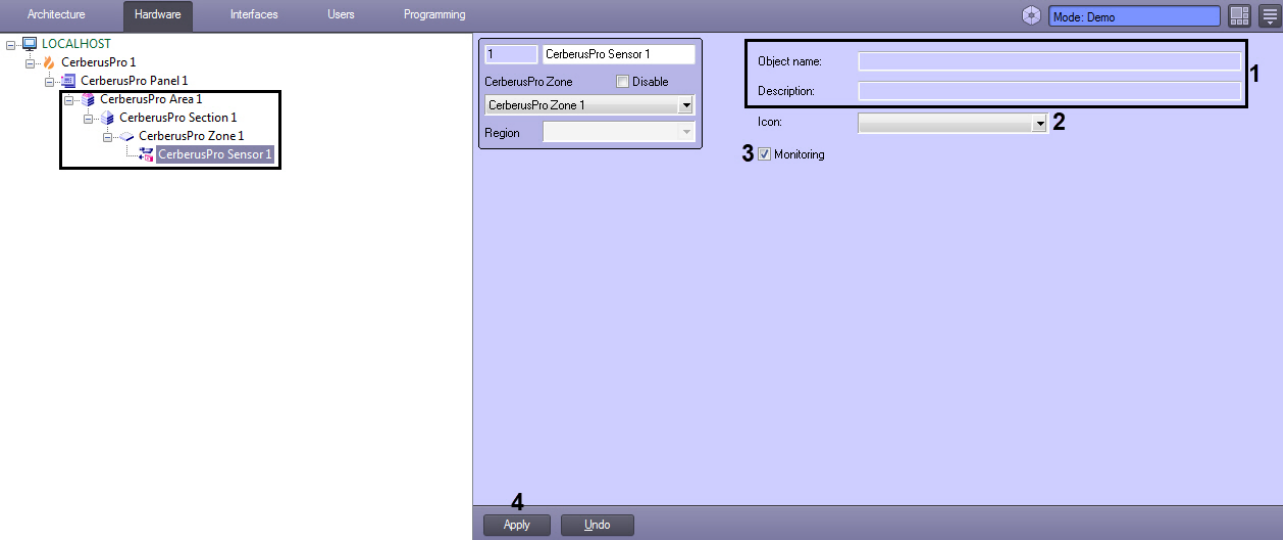
After reading the configuration from the *Cerberus PRO* panel, child objects corresponding to the panel configuration will be created (cm. [Connecting the Cerberus PRO panel](#)).

On the settings panel of each child object, information about this object will be displayed in the **Object name** and **Description** fields (1).

For the *Cerberus PRO* sensor (**CerberusPro Sensor** object), in the **Icon** drop-down list (2), you can select a set of icons that will be used to display its states on the map.

To monitor the state of a child object, on the settings panel of each child object, select the **Monitoring** checkbox (3).

Click the **Apply** button (4) to save settings.



4 Working with the Cerberus PRO integration module

4.1 General information about working with the Cerberus PRO module

The following interface objects are used for *Cerberus PRO* integration module operation:

1. **Map.**
2. **Event viewer.**

For detailed description of configuring these interface objects, please refer to the *Axxon PSIM* software package. [Administrator's Guide](#).

For detailed description of using these interface objects, please refer to the *Axxon PSIM* software package. [Operator's Guide](#).

4.2 Managing the BACnet server Cerberus PRO

The BACnet server *Cerberus PRO* is not managed in the **Map** interactive window.

The BACnet server *Cerberus PRO* can have the following states:

	Working
	Not working

4.3 Managing the Cerberus PRO panel

The *Cerberus PRO* panel is managed in the **Map** interactive window using the **CerberusPro Panel** object functional menu:



CerberusPro Panel 1 [1.1]
Show last events
Silence buzzer
Reset except area
Alarm delay off
Silence sounders
Reset
Acknowledge
Unsilence sounders
Acnowledge except area


The *Cerberus PRO* panel functional menu commands description is given in the table:

Menu command	Function performed
Silence buzzer	Mute panel sound
Reset except area	Reset everything except areas
Alarm delay off	Disable alarm delay
Silence delay off	Disable silent delay
Silence sounders	Mute sounders
Reset	Reset all
Acknowledge	Confirm by operator
Unsilence sounders	Enable sounder sound
Acknowledge except area	Confirm by the operator everything, edge of areas

The *Cerberus PRO* panel can have the following states:

	<p>Child abnormal</p>
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	Active
	Alarm
	Child abnormal
	Child alarm
	Child disable
	Child fault

	Fault
	Offline
	Normal
	Not started/Unknown
	Pre-alarm

4.4 Managing the Cerberus PRO area

The *Cerberus PRO* area is managed in the **Map** interactive window using the **CerberusPro Area** object functional menu:

CerberusPro Area 1 [1]
Show last events
Alarm delay off
Silence sounders
Reset
Acknowledge
Unsilence sounders

The *Cerberus PRO* area functional menu commands description is given in the table:

Menu command	Function performed
Alarm delay off	Disable alarm delay
Silence sounders	Mute sounders
Reset	Reset all
Acknowledge	Confirm by operator
Unsilence sounders	Enable sounder sound

4.5 Managing the Cerberus PRO section

The *Cerberus PRO* section is managed in the **Map** interactive window using the **CerberusPro Section** object functional menu:

CerberusPro Section 1 [1]
Show last events
Enable
Disable

The *Cerberus PRO* section functional menu commands description is given in the table.

Menu command	Function performed
Enable	On
Disable	Off

4.6 Managing the Cerberus PRO zone









The *Cerberus PRO* zone is managed in the **Map** interactive window using the **CerberusPro Zone** object functional menu:

CerberusPro Zone 1 [1]
Show last events
Enable
Disable

The *Cerberus PRO* zone functional menu commands description is given in the table:

Menu command	Function performed
Enable	On
Disable	Off

The *Cerberus PRO* zone can have the following states:

	Abnormal/disabled
	Active
	Alarm
	Fault
	Offline/Link lost
	Normal
	Unknown/Not started
	Pre-alarm

4.7 Managing the Cerberus PRO sensor

The *Cerberus PRO* sensor is managed in the **Map** interactive window using the **CerberusPro Sensor** object functional menu:

CerberusPro Sensor 1 [1]
Show last events
Enable
Disable

The *Cerberus PRO* sensor functional menu commands description is given in the table:

Menu command	Function performed
Enable	On
Disable	Off

The *Cerberus PRO* sensor can have the following states:

Optical detector	Temperature detector	MC P	Module	Signaller	Flap	Input	Bulb	Power supply	Valve	Icon set / State
										Not started/Unknown
										Active
										Link lost/Offline
										Normal
										Pre-alarm
										Alarm
										Abnormal/disabled
										Fault