



Satel INTEGRA Integration Module Settings Guide

ACFA PSIM 1.1

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1 List of Terms Used in Satel INTEGRA Integration Module Settings Guide

Server - a computer configured as an *Axxon PSIM* Server.

FSA - Fire Security Alarm system (in this case, *Satel*).

Panel - the Satel INTEGRA advanced control panel of one of the supported models.

Partition - a part of the premises controlled by the Satel INTEGRA FSA.

Zone - a smaller space or a separate object (e.g. window) within the partition controlled by the Satel INTEGRA FSA.

Output - a programmable device connected to the Satel INTEGRA Panel that controls exit from one partition to another.

Trouble - any problem registered by the Satel INTEGRA FSA.

Alarm - a signal to the operator to react to a trouble.

Two-code arming/disarming - a method to authorize the operator's attempt to arm or disarm a partition by entering two numerical codes.

2 Introduction into Satel INTEGRA Integration Module Settings Guide

On the page:

- [Purpose of the document](#)
- [General information about the Satel INTEGRA integration module](#)

2.1 Purpose of the document

This *Satel INTEGRA Integration Module Settings Guide* is a reference manual designed for *Satel INTEGRA* Module configuration technicians and operators. This module functions as part of security and fire alarm systems built on the basis of *ACFA PSIM*.

This Guide contains the following information:

1. General information about the *Satel INTEGRA* integration module;
2. Configuration of the *Satel INTEGRA* integration module;
3. Working with the *Satel INTEGRA* integration module.

2.2 General information about the *Satel INTEGRA* integration module

The *Satel INTEGRA* integration module is part of *FSA* systems built on the basis of the *ACFA PSIM*. It is designed to control the *Satel INTEGRA FSA* system.

Note.

Detailed information about the *Satel INTEGRA FSA* system can be found in the official documentation by Satel.

Before configuring the *Satel INTEGRA* integration module, the following actions must be performed:

1. Install the required hardware at the secured object.
2. Connect the *Satel INTEGRA FSA* to the Server.

Note.

The device is connected to the computer through the RS-232 or Ethernet interface. Please ensure the corresponding drivers are installed on the Server.

3 Supported Hardware and Licensing of the Satel INTEGRA Integration Module

Manufacturer	SATEL Schuberta 79 80-172 Gdansk, Poland tel. +48 58 320-94-00 fax +48 58 320-94-01 e-mail: satel@satel.pl www.satel.pl
Integration type	Low-level protocol
Equipment connection	RS-232, Ethernet

Supported equipment

Equipment	Function	Features
Integra 32	Advanced control panel	8 up to 32 zones 16 partitions 4 objects 8 up to 32 programmable outputs 28 timers 69 users Event log: 439 RS-232 port, Ethernet
Integra 64	Advanced control panel	16 up to 64 zones 32 partitions 8 objects 16 up to 64 programmable outputs 64 timers 201 users Event log: 5,887 RS-232 port, Ethernet

Equipment	Function	Features
Integra 64 Plus	Advanced control panel	Grade 3 security level Full support of EN50131 security standards Up to 64 zones 32 partitions 8 objects Extension up to 64 programmable zones 64 timers 201 users Event log: 5,631 RS-232, Ethernet, USB ports
Integra 128 Plus	Advanced control panel	Grade 3 security level Full support of EN50131 security standards Up to 128 zones 32 partitions 8 objects Extension up to 128 programmable zones 64 timers 249 users Event log: 22,527 RS-232, Ethernet, USB ports
Integra 128-WRL	Advanced control panel	Integrated GSM/GPRS module Integrated ABAX module 8 up to 128 wired and wireless zones 32 partitions 8 objects 8 up to 128 programmable outputs 64 timers 249 users Event log: 21,503 RS-232, Ethernet ports

Equipment	Function	Features
Integra 256 Plus	Advanced control panel	Grade 3 security level Full support of EN50131 security standards Up to 256 zones 32 partitions 8 objects Extension up to 256 programmable zones 64 timers 249 users Event log: 24,575 RS-232, Ethernet, USB ports

Licensing

Per one control panel.

4 Configuration of the Satel INTEGRA Integration Module

4.1 Procedure for configuration of the Satel INTEGRA Integration Module

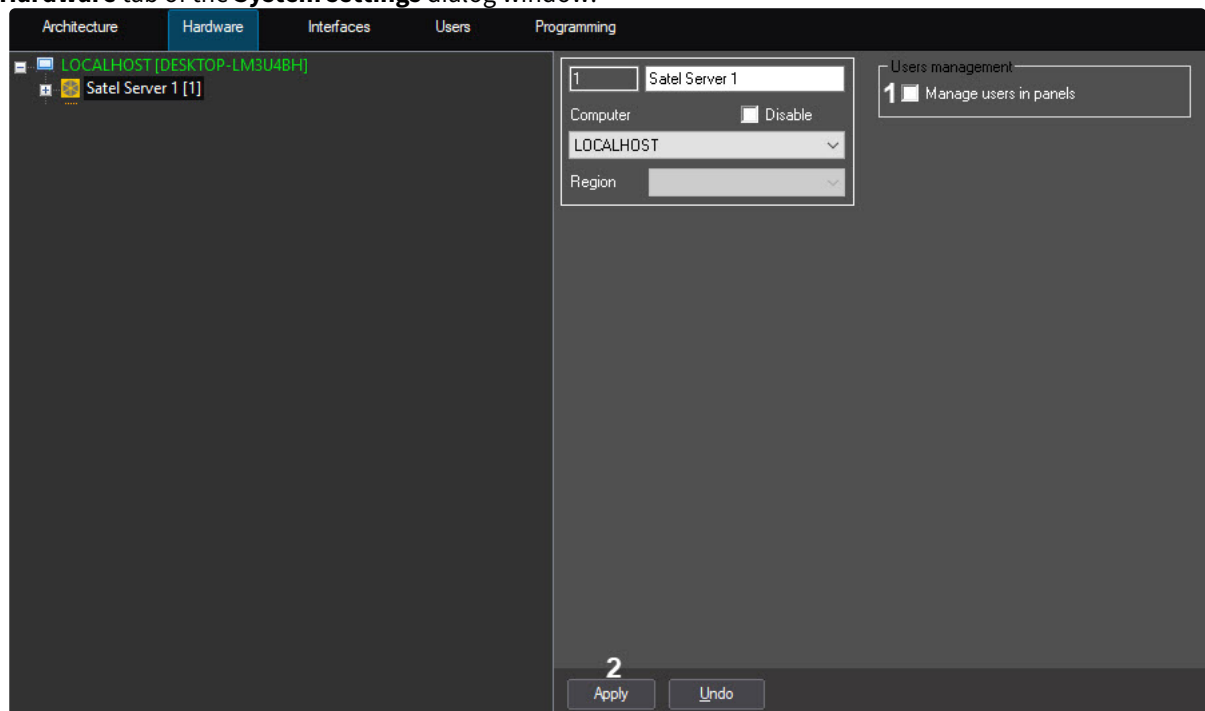
The *Satel INTEGRA* integration module in *ACFA PSIM* is configured as follows:

1. [Configuring the Satel INTEGRA panel connection.](#)
2. [Additional settings of the integration module Satel INTEGRA.](#)
3. [Configuring the Satel INTEGRA devices.](#)

4.2 Configuring the Satel INTEGRA Server

For each *Satel INTEGRA* panel, one *Satel INTEGRA* Server is created. For this, do the following:

1. Go to the settings panel of the **Satel Server** object, created on the basis of the **Computer** object on the **Hardware** tab of the **System settings** dialog window.



2. Set the **Manage users in panels** checkbox (1) to enable user management in the panel.
3. Click the **Apply** button (2) to save the changes.

Configuring the *Satel INTEGRA* Server is completed.

4.2.1 Updating the *Satel INTEGRA* system

Starting with *ACFA PSIM* version 7.0, the structure of the *Satel INTEGRA* hardware tree was changed. If an existing earlier version is updated, the database will be automatically converted the first time the server is started, while the IDs of the existing *Satel INTEGRA* devices won't be changed.

Attention!

It is recommended to make a backup copy of the *Satel INTEGRA* system before updating.

If several *Satel INTEGRA* Servers are created in the system, it is necessary to update *ACFA PSIM* on all servers simultaneously. Don't start the server with a new version of *ACFA PSIM* while the server with an earlier version is running, because this will remove the *Satel INTEGRA* objects from the hardware tree.

4.3 Configuring the Satel INTEGRA panel connection

On the page:

- [Connection over RS-232](#)
- [Connection over Ethernet](#)

The *Satel INTEGRA* panel connection is performed on the settings panel of the **Satel Panel** object created on the basis of the **Computer** object on the **Hardware** tab of the **System Settings** dialog.

⚠ Attention!

The identifier of the **Satel Panel** object must be a natural number.

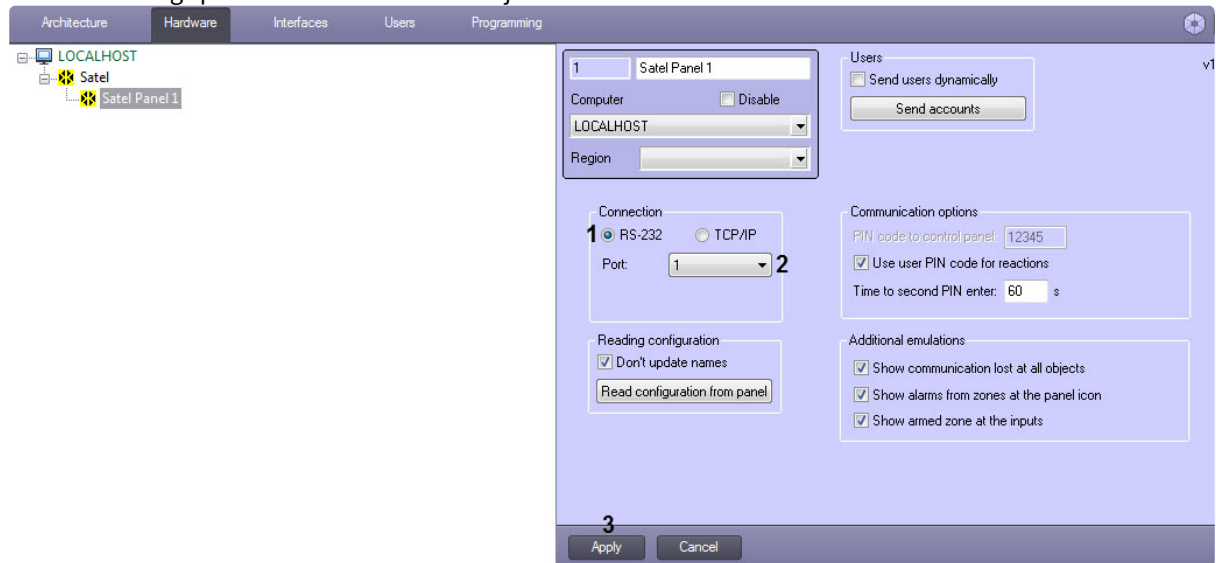


The panel may be connected to the *ACFA PSIM* Server via RS-232 or Ethernet interfaces.

4.3.1 Connection over RS-232

To connect over RS-232, do the following:

1. Go to the settings panel of the **Satel Panel** object.



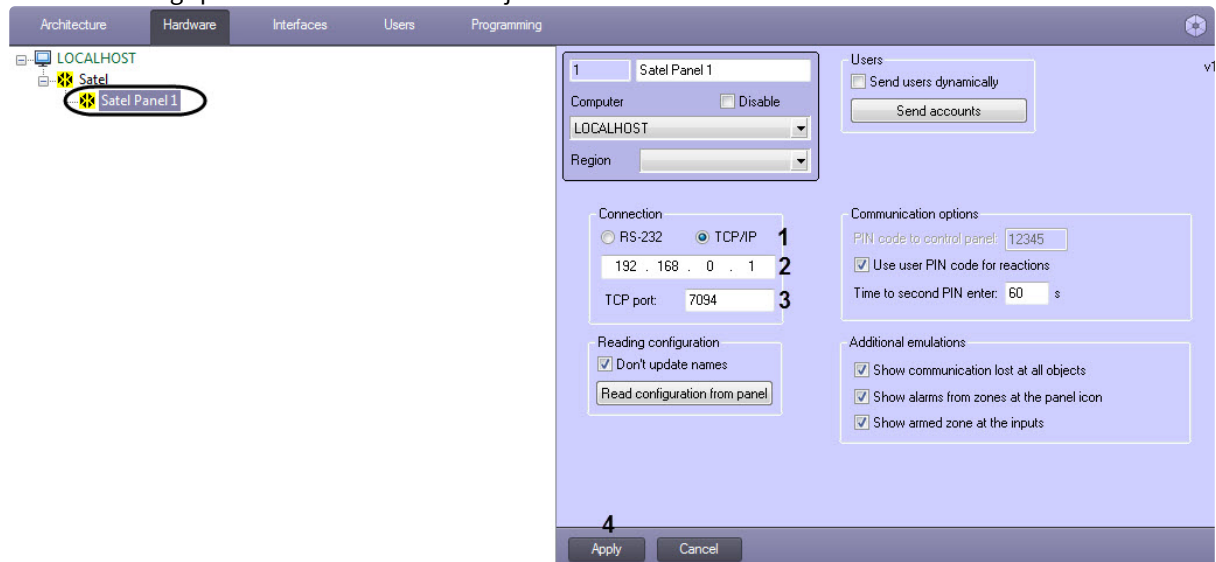
2. Select the **RS-232** radio button in the **Connection** section (1).
3. In the **Port** list, select the COM-port used for connection (2).
4. Click **Apply** (3).

Configuring the *Satel INTEGRA* panel connection is complete.

4.3.2 Connection over Ethernet

To connect over Ethernet, do the following:

1. Go to the settings panel of the **Satel Panel** object.



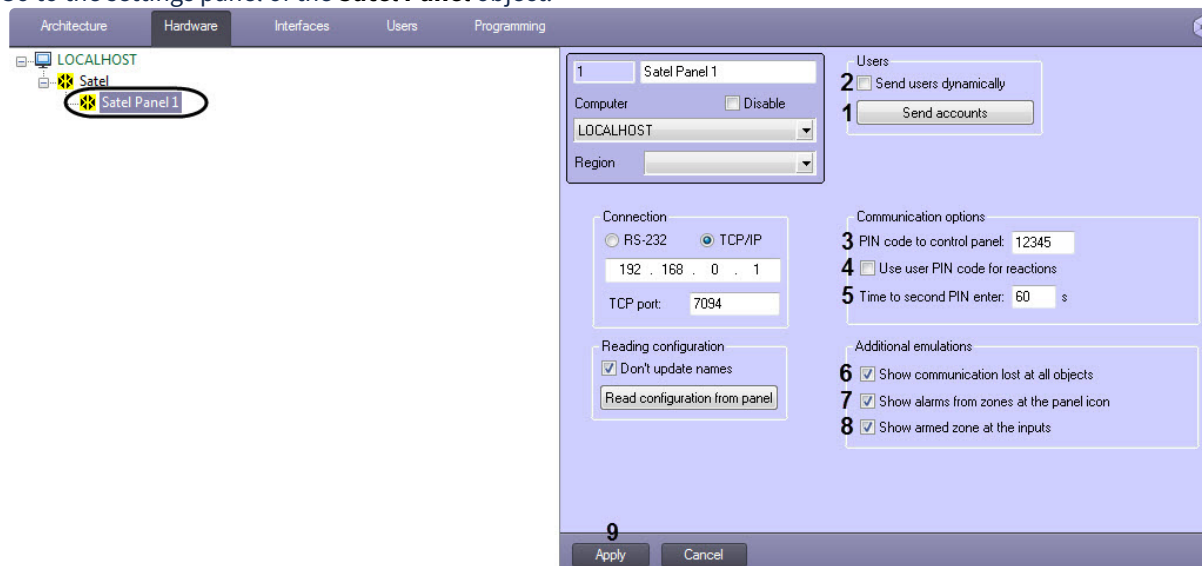
2. Select the **TCP/IP** radio button in the **Connection** section (1).
3. Enter the IP address of the panel in the field below (2).
4. In the **TCP port** field, enter the connection port (3).
5. Click **Apply** (4).

Configuring the *Satel INTEGRA* panel connection is complete.

4.4 Additional settings of the integration module Satel INTEGRA

Additional settings of the integration module *Satel INTEGRA* are configured as follows:

1. Go to the settings panel of the **Satel Panel** object.



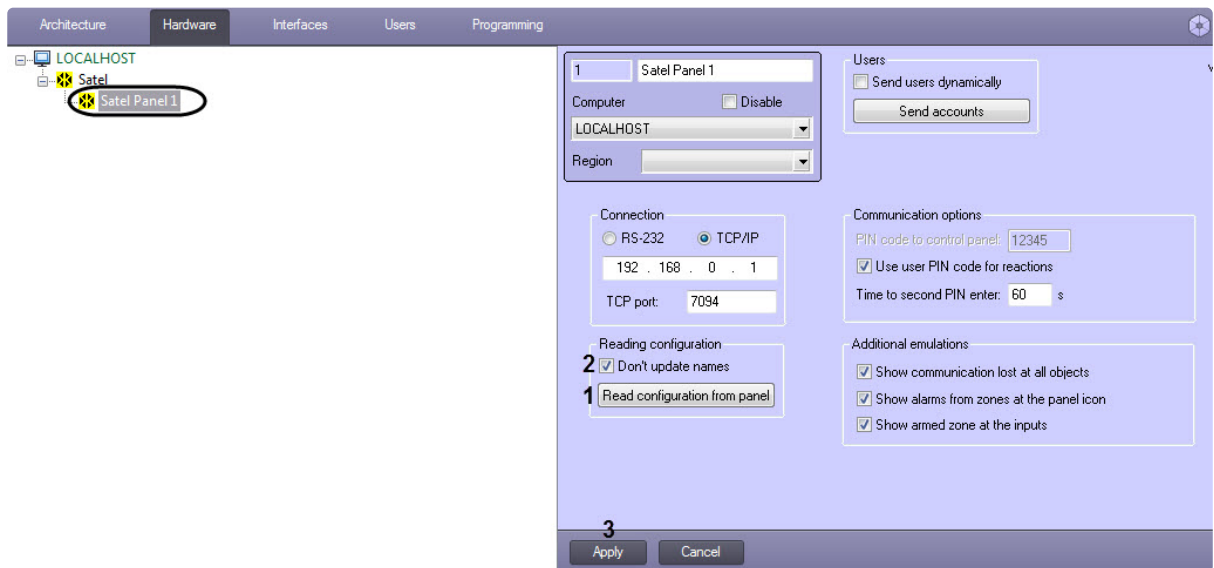
2. Click the **Send accounts** button (1) to send the data of the *Access Manager* module to the *Satel INTEGRA* panel.
3. Set the **Send users dynamically** checkbox (2) to automatically transfer the data of the *Access Manager* module to the *Satel INTEGRA* panel if they change.
4. In the **PIN code to control panel** you may set the PIN code used to authorize the connection to the control panel (3).
5. Set the **Use user PIN code for reactions** checkbox to make the panel operators (*ACFA PSIM* users) to enter their own PIN codes to react to events from the panel in addition to the main panel code (4). The user PIN code is set in the *Axxon PSIM* user settings, see [User registration and removal](#).
6. In the **Time to second PIN enter** field you may select the delay between entering the panel code and the user code in seconds (5).
7. Configure the additional emulations that facilitate the panel operation using the **Map** (see [Working with the Satel INTEGRA Integration Module](#)):
 - If the **Show communication lost at all objects** checkbox is set, the panel communication failures will be indicated on all device object icons on the **Map** (1).
 - If the **Show alarms from zones at the panel icon** checkbox is set, the alarms from *Satel INTEGRA* zones will be indicated on the **Satel Panel** object icon on the **Map** (2).
 - If the **Show armed zone at the inputs** checkbox is set, the armed zone will be indicated on the *Satel INTEGRA* output icons on the **Map** (3).
8. Click **Apply** (9) to save the changes.

Additional settings of the integration module *Satel INTEGRA* are configured.

4.5 Configuring the Satel INTEGRA devices

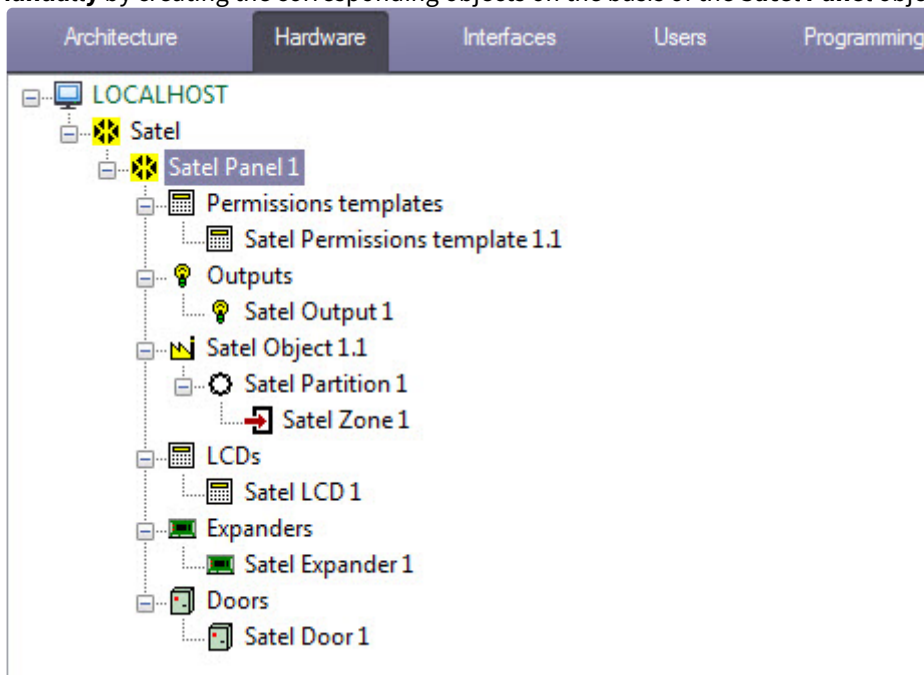
The *Satel INTEGRA* devices can be added in two ways:

1. **Automatically.** In order to do this, go to the settings panel of the **Satel Panel** object and click **Read configuration from panel** (1).



As a result, a tree of objects corresponding to *Satel INTEGRA* devices connected will be created. The configuration can be updated in this way at any time when new devices are connected to the panel. If the names of the existing devices should be preserved, check the **Don't update names** box (2) and click **Apply** (3).

2. **Manually** by creating the corresponding objects on the basis of the **Satel Panel** object.



Note

All devices in the object tree are configured using the *Satel INTEGRA* vendor software or the hardware itself. For information on device configuration, please refer to the vendor documentation: <http://www.satel.pl/en/installer/man>.

The settings panel of each device object only displays the object type and enables selecting the icon that will be used to indicate the device on the **Map** (see [Working with the Satel INTEGRA Integration Module](#)).

1.1 SATEL Output 1

SATEL Panel Disable

SATEL Panel 1

Region

Type:

Icon: Green lamp

- Green lamp
- Orange lamp
- Lamp
- Red lamp
- Signaller
- Loudspeaker
- Switch
- Bulb
- Claim
- Green/red lamp
- Door

Apply Cancel

5 Working with the Satel INTEGRA Integration Module

5.1 General information about working with the Satel INTEGRA Module

The following interface objects are used to work with the *Satel INTEGRA* integration module:

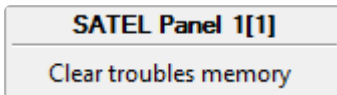
1. **Map.**
2. **Event Viewer.**

Information about configuring these interface objects is presented in the [Axxon PSIM Software Package: Administrator's Guide](#).

For a detailed information on how to work with GUI objects, refer to the [Axxon PSIM Software Package: Operator's Guide](#).

5.2 Managing the Satel INTEGRA Panel

The *Satel INTEGRA* panel is managed in the **Map** interactive window using the **Satel Panel** object menu.

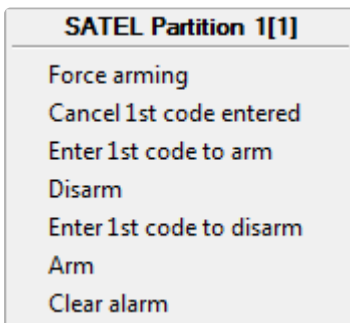


Description of the **Satel Panel** object menu commands is given in the table.

Menu command	Function
Clear troubles memory	Deletes all trouble events from the panel memory

5.3 Managing the Satel INTEGRA Partition

The *Satel INTEGRA* panel is managed in the **Map** interactive window using the **Satel Partition** object menu.



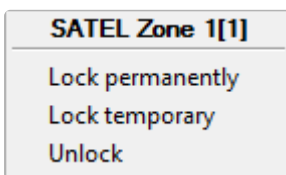
Description of the **Satel Partition** object menu commands is given in the table.

Menu command	Function
Force arming	Arms the partition despite the violated zone or a trouble

Menu command	Function
Cancel 1st code entered	Cancels concent to two-code arming/disarming
Enter the 1st code to arm	Starts two-code arming
Disarm	Disarms the partition
Enter the 1st code to disarm	Starts two-code disarming
Arm	Arms the partition
Clear alarm	Clears the current alarm for the partition

5.4 Managing the Satel INTEGRA Zone

The *Satel INTEGRA* zone is managed in the **Map** interactive window using the **Satel Zone** object menu.

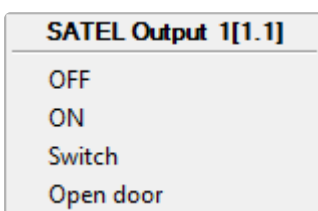


Description of the **Satel Zone** object menu commands is given in the table.

Menu command	Function
Lock permanently	Isolates the zone permanently until unlocked by the operator
Lock temporarily	Isolates the zone temporarily until the partition is disarmed or the zone is unlocked by the operator
Unlock	Enables the operator to unlock the zone

5.5 Managing the Satel INTEGRA Output

The *Satel INTEGRA* output is managed in the **Map** interactive window using the **Satel Output** object menu.



Description of the **Satel Output** object menu commands is given in the table.

Menu command	Function
ON	Enables the output
OFF	Disables the output
Switch	Switches states of the output (enabled to disabled or vice versa)
Open door	Opens the door programmatically

5.6 Managing the Satel INTEGRA Door

The *Satel INTEGRA* door is managed in the **Map** interactive window using the **Satel Door** object menu.



Description of the **Satel Door** object menu commands is given in the table.

Menu command	Description
Open door	Opens the door programmatically