ACFA Intellect

Suprema Integration Module Settings Guide

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Introduction into Suprema Integration Module Settings Guide

On the page:

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- General information about the Suprema integration module

Purpose of the document

This *Suprema Module Settings Guide* is a reference manual designed for *Suprema* Module configuration technicians. This module is part of an access control system (ACS) built on the *ACFA Intellect* Software System.

This Guide presents the following materials:

1. general information about the *Suprema Biometrical ACS* module;
2. configuration of the *Suprema Biometrical ACS* module;
3. working with the *Suprema Biometrical ACS* module.

General information about the Suprema integration module

The *Suprema* Module is a component of an ACS built on the *ACFA Intellect* Software System. It was designed to perform the following functions:

1. Configuration of the *Suprema Biometrical* ACS (manufactured by Suprema Inc.);
2. Interaction between the *Suprema Biometrical* ACS and the *ACFA Intellect* Software System (monitoring, control).

Note:
Detailed information about the Suprema Biometrical ACS is presented in the official documentation for that system.

Before configuring the *Suprema* Module, the following actions must be performed:

1. Install the *Suprema Biometrical* ACS hardware on the protected territory (see the *Suprema* reference documentation).
2. Connect the *Supreme* ACS hardware to the Server.
3. Install *BioStar 1_8* onto the Server (available on the official website of the manufacturer of *Supreme* ACS).
4. Configure the connection of *Supreme* ACS to the *BioStar 1_8* Server (see the reference documentation for the configuration utility of the BioStar 1_8).

Configuration of the Suprema integration module

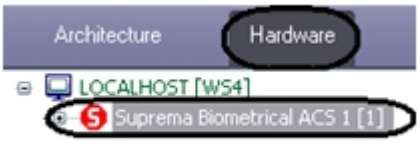
How to configure the Supreme integration module

The *Supreme* module is configured in the following order:

1. Activate the *Suprema Biometrical ACS* integration module.
2. Configure the *Suprema Host Controller* object.
3. Configure the *Suprema Host Controller Input* object.
4. Configure the *Suprema Secure IO* object.
5. Configure the *Suprema Secure IO Input* object.
6. Configure the *Suprema Secure IO Relay* object.
7. Configure the *Suprema Slave Controller* object.
8. Configure the *Suprema Slave Controller Door* object.
9. Configure the *Suprema Slave Controller Input* object.
10. Configure the template.

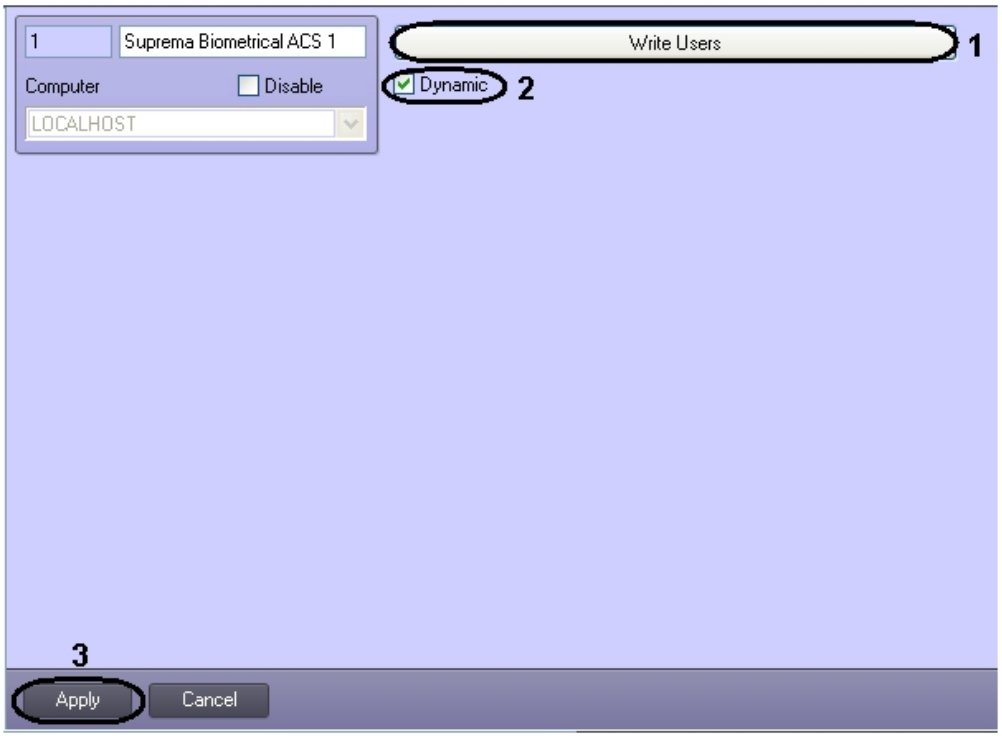
Activate the Suprema Biometrical ACS integration module

To activate the *Suprema Biometrical ACS* integration module, a **Suprema Biometrical ACS** object must be created based on a **Computer** object on the **Hardware** tab of the **System Settings** dialog.



Writing users to all Suprema controllers

To write users to all controllers click the **Write Users** button on the **Suprema Biometrical ACS** object's settings panel.

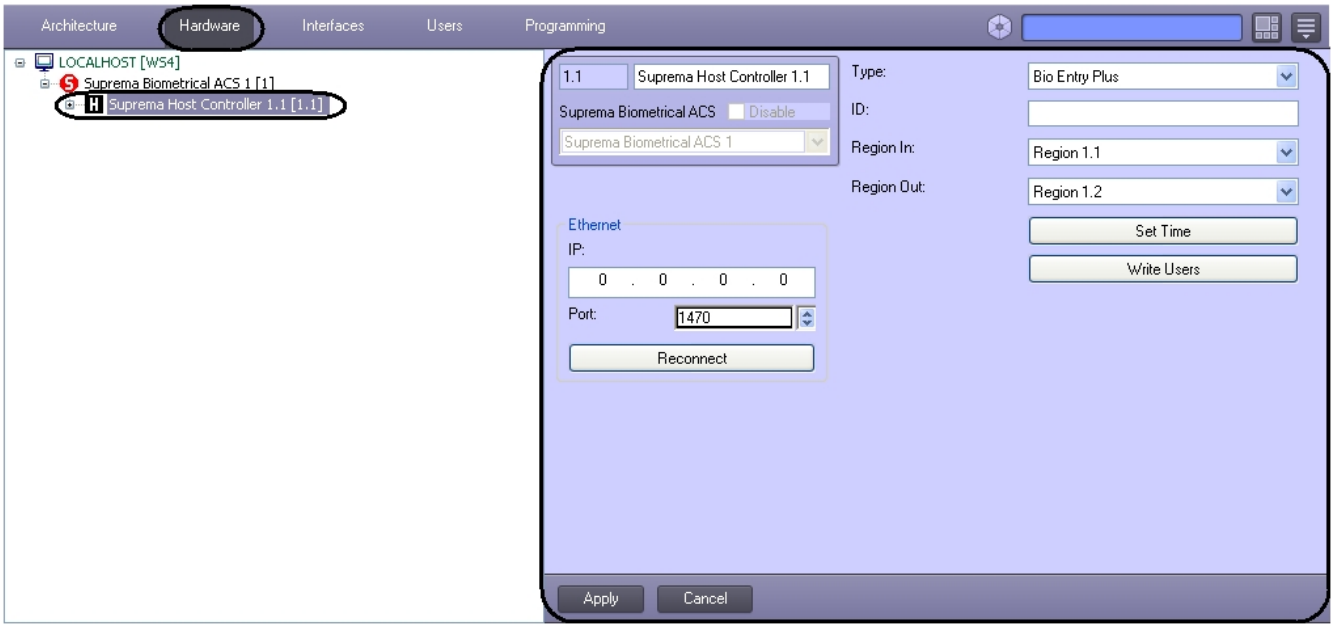


To enable the dynamical sending of users set the **Dynamic** checkbox (**2**).

To save changes click the **Apply** button (**3**).

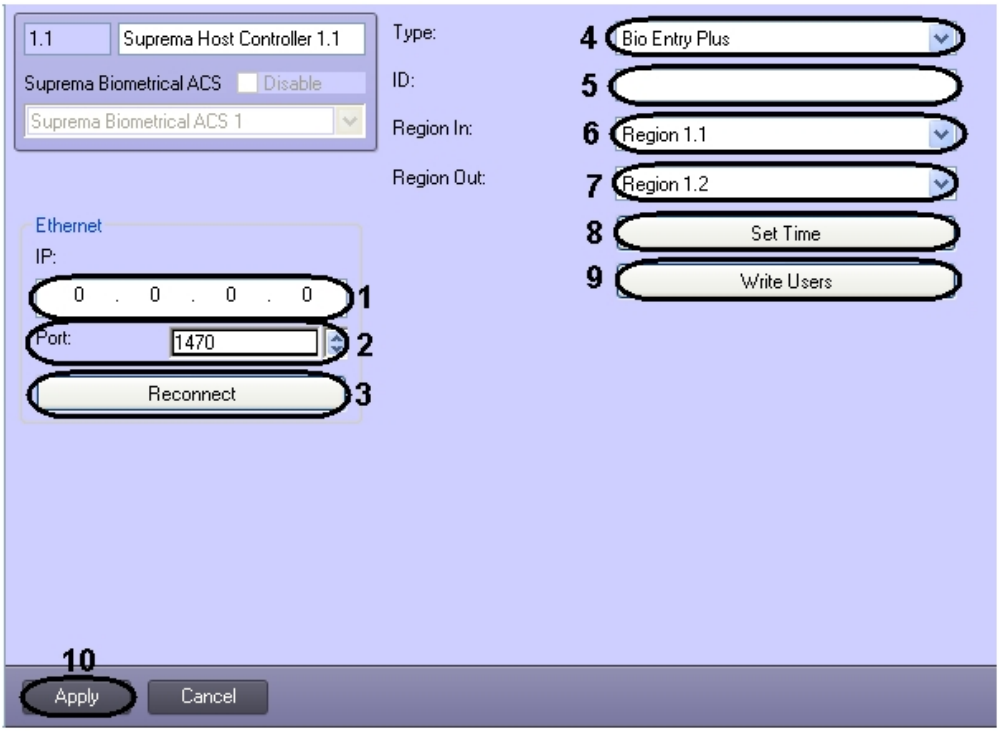
Configure the Suprema Host Controller object

The *Suprema Host Controller* object is configured on the **Suprema Host Controller** object's settings panel. This object is created based on a **Suprema Biometrical ACS** object on the **Hardware** tab of the **System Settings** dialog.



To configure the *Suprema Host Controller* do the following:

1. Go to the **Suprema Host controller** object's settings panel.



2. Enter the controller's IP address in the **IP** field (**1**).
3. Enter the controller's connection port in the **Port** field (**2**).

> **Attention!**
> If connection with the Suprema Host Controller is lost the Intellect software package won't reconnect to it automatically. It is required to open the Intellect software package settings, select a host controller and click the **Reconnect** button. Also you can send the **Reconnect** command from the **Map** interface object.

4. Click the **Reconnect** button to reconnect controller by Ethernet (**3**).
5. From the **Type:** drop-down list select the type of the controller (**4**). The following types are available:
   a. Bio Entry Plus – finger and card can be used;
   b. XPass – only card can be used;
   c. X-station – card and password can be used.
6. Enter the hardware address of a connected controller in the **ID:** field (**5**).
7. From the **Region In:** drop-down list select the Area located in the site of exit through this reader (**6**).
8. From the **Region Out:** drop-down list select the Area located in the site of entry through this reader (**7**).

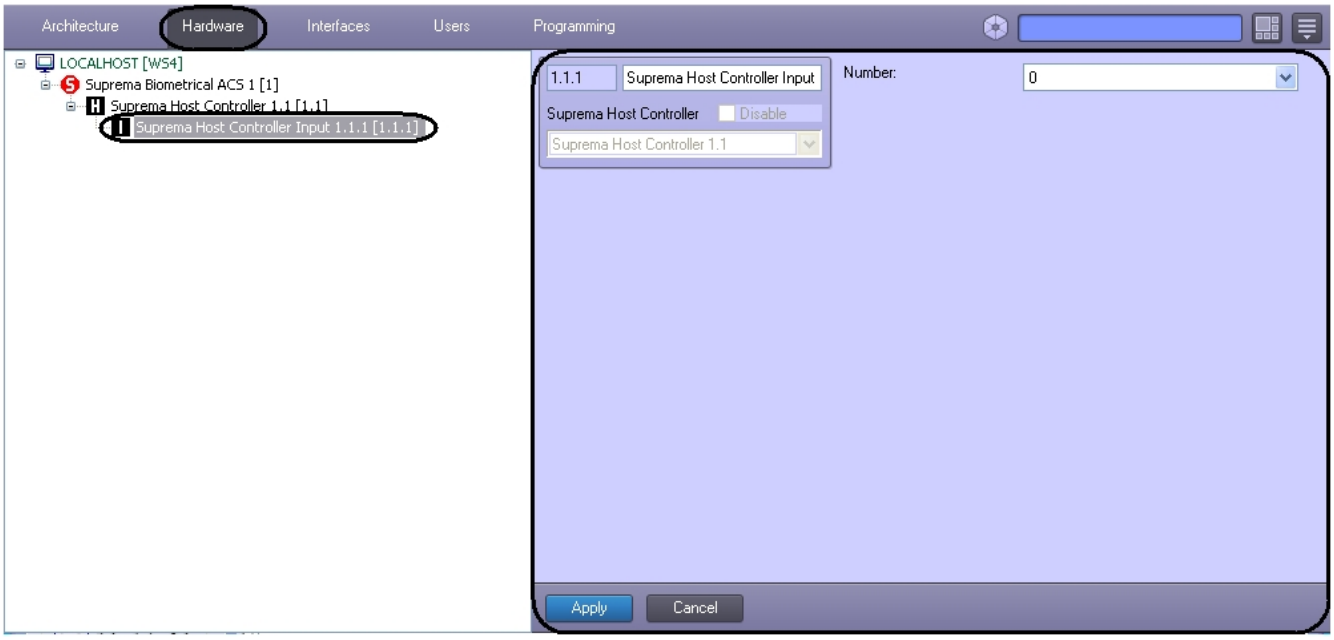
> **Note.**
> **Region In** and **Region Out** fields must be filled if the *Time and Attendance* interface module is used. Otherwise, leave these fields empty.

9. Click the **Set time** button to set time to the controller (**8**).
10. Click the **Write Users** button to write users to the controller (**9**).
11. To save changes click the **Apply** button (**10**).

This completes the configuration of the *Suprema Host Controller* object.

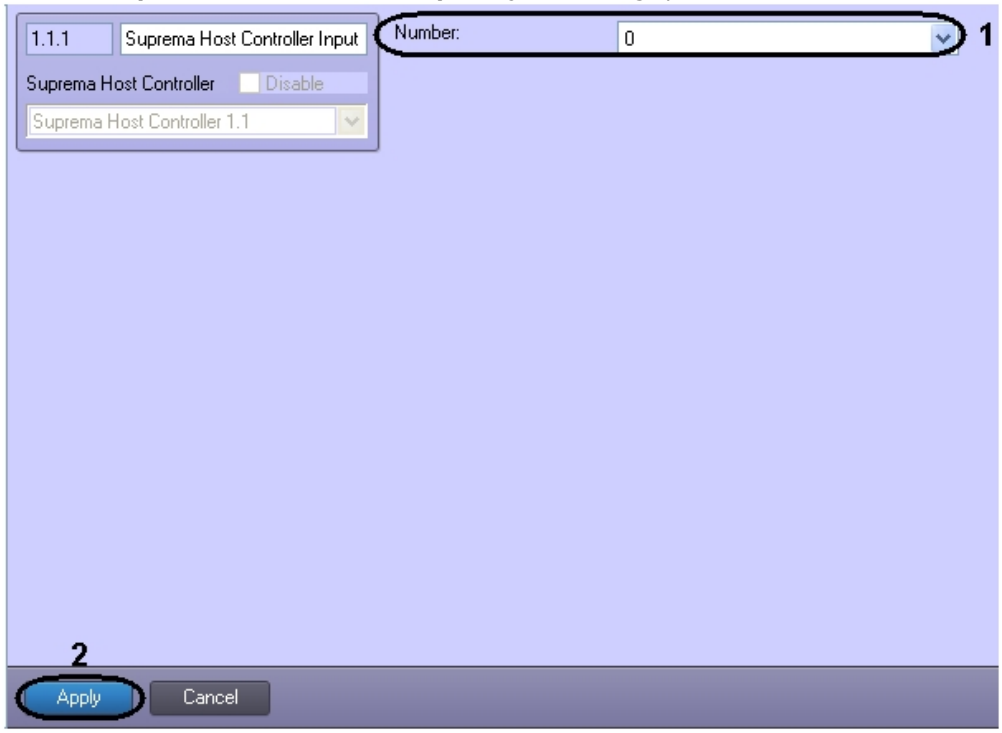
Configure the Suprema Host Controller Input object

The *Suprema Host Controller Input* object is configured on the **Suprema Host Controller Input** object's settings panel. This object is created based on a **Suprema Host Controller** object on the **Hardware** tab of the **System Settings** dialog.



To configure the *Suprema Host Controller Input* do the following:

1. Go to the **Suprema Host Controller Input** object's settings panel.



2. From the **Number:** drop-down list select the number of the controller input (**1**).
3. To save changes click the **Apply** button (**2**).

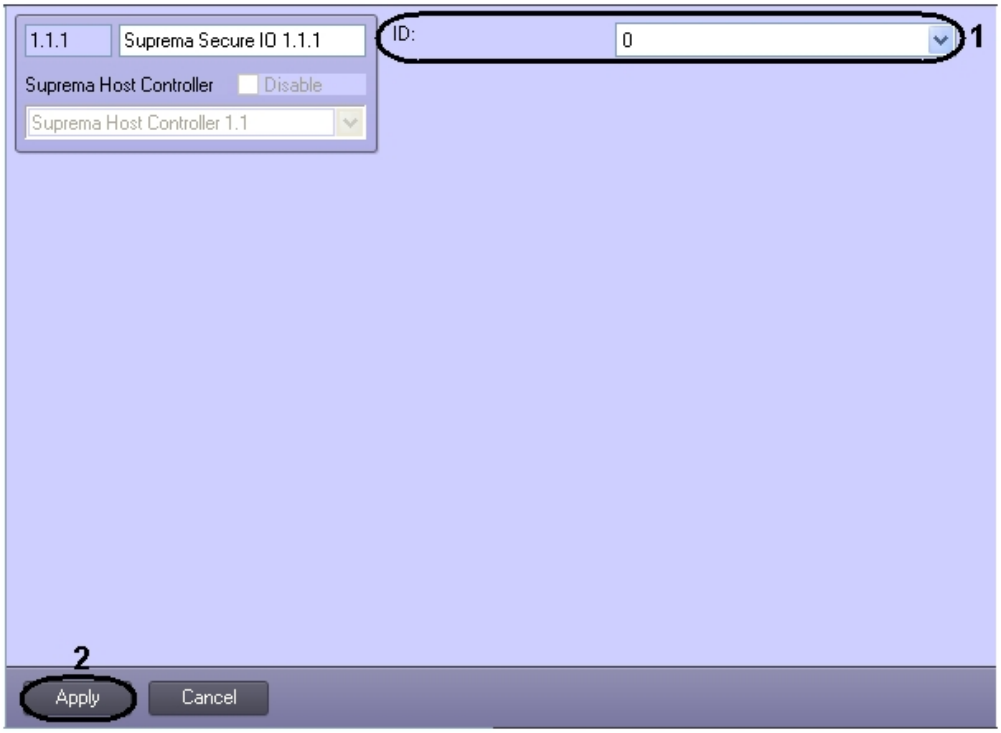
This completes the configuration of the *Suprema Host Controller Input* object.

Configure the Suprema Secure IO object

The *Suprema Secure IO* object is configured on the **Suprema Secure IO** object's settings panel. This object is created based on a **Suprema Host Controller** object on the **Hardware** tab of the **System Settings** dialog.

To configure the *Suprema Secure IO* do the following:

1. Go to the **Suprema Secure IO** object's settings panel.

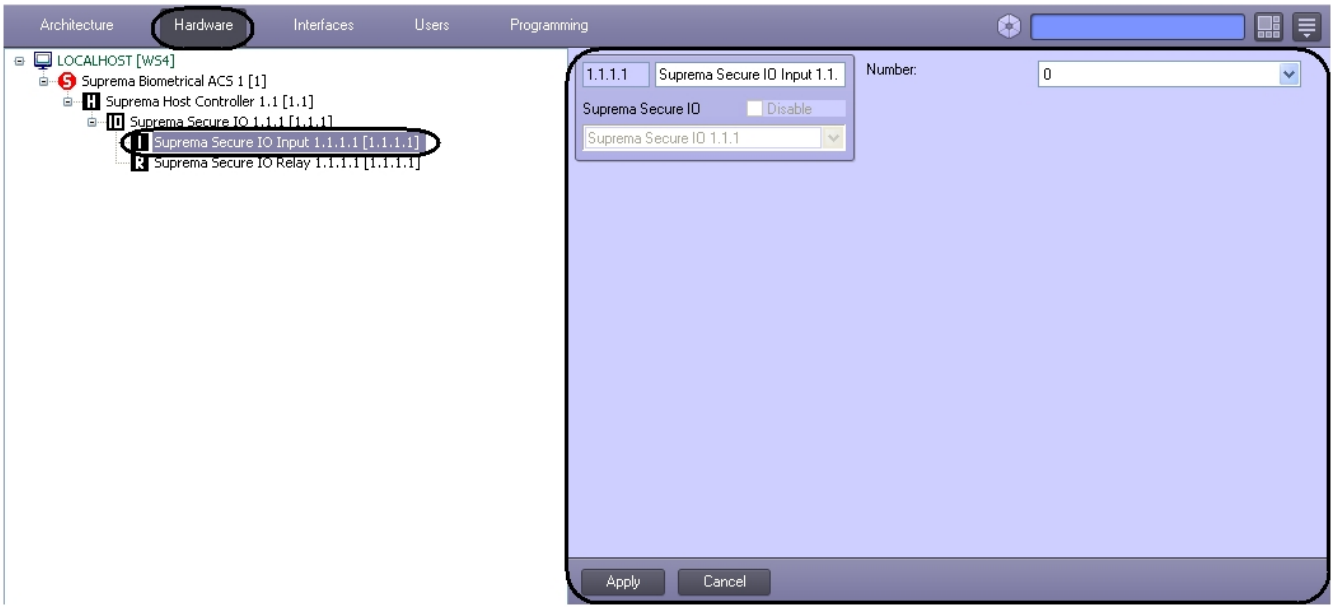


2. From the **Number:** drop-down list select the number of the controller (**1**).
3. To save changes click the **Apply** button (**2**).

This completes the configuration of the *Suprema Secure IO* object.

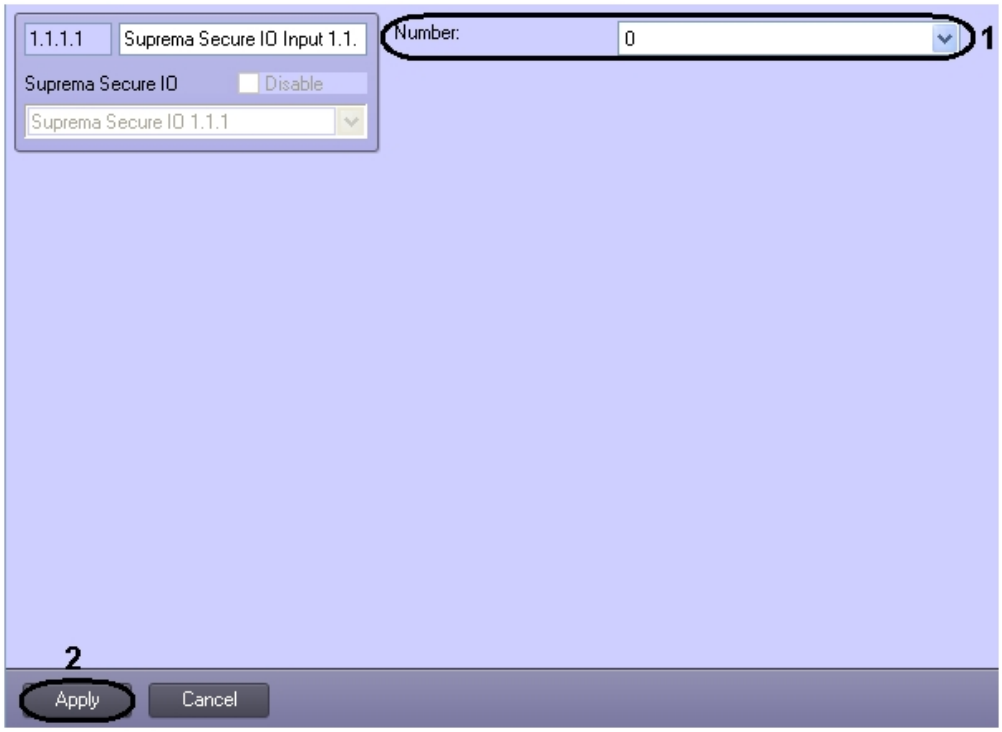
Configure the Suprema Secure IO Input object

The *Suprema Secure IO Input* object is configured on the **Suprema Secure IO Input** object's settings panel. This object is created based on a **Suprema Secure IO** object on the **Hardware** tab of the **System Settings** dialog.



To configure the *Suprema Secure IO Input* do the following:

1. Go to the **Suprema Secure IO Input** object's settings panel.

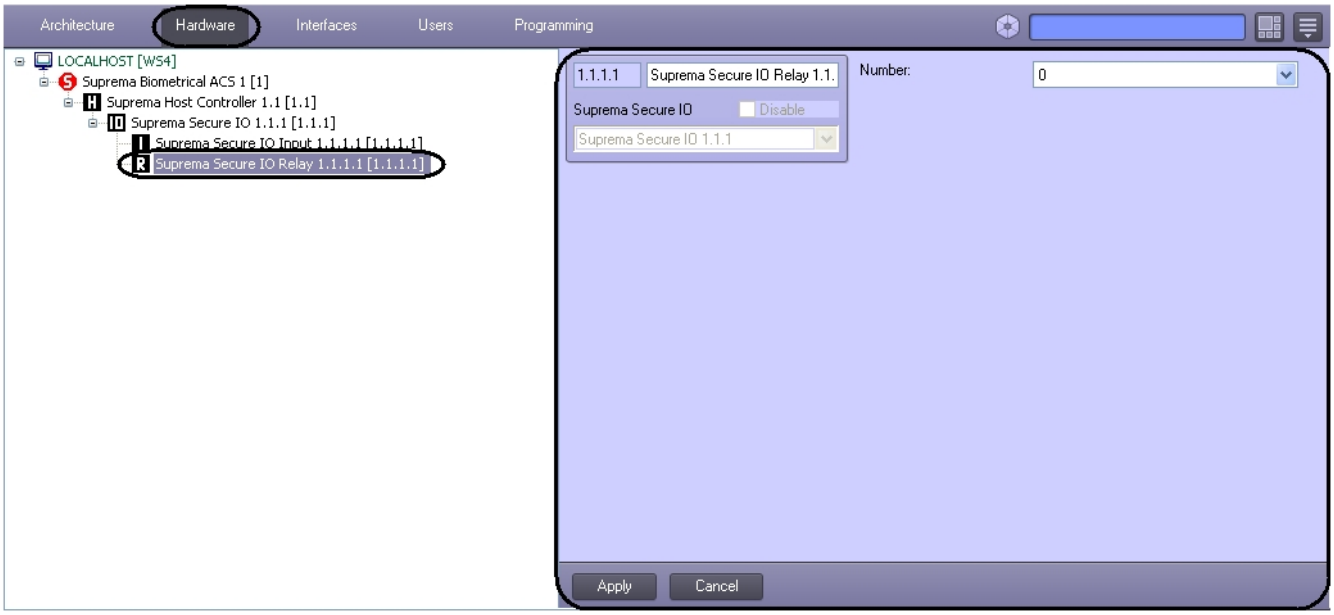


2. From the **Number:** drop-down list select the number of the controller input (**1**).
3. To save changes click the **Apply** button (**2**).

This completes the configuration of the *Suprema Secure IO Input* object.

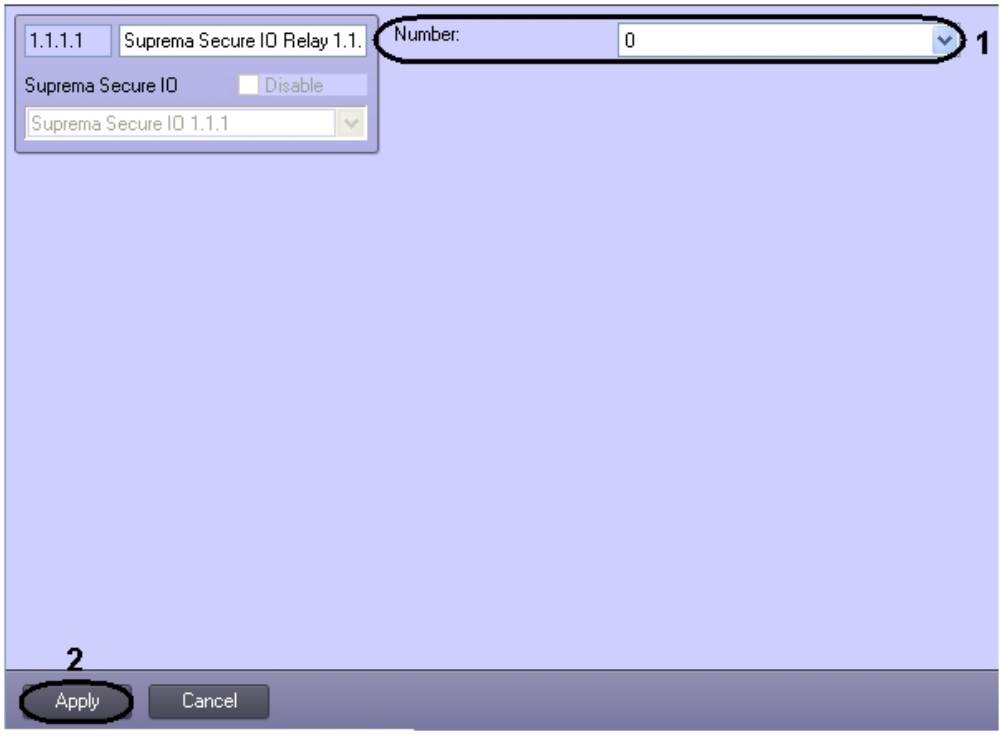
Configure the Suprema Secure IO Relay object

The *Suprema Secure IO Relay* object is configured on the **Suprema Secure IO Relay** object's settings panel. This object is created based on a **Suprema Secure IO** object on the **Hardware** tab of the **System Settings** dialog.



To configure the *Suprema Secure IO Relay* do the following:

1. Go to the **Suprema Secure IO Relay** object's settings panel.

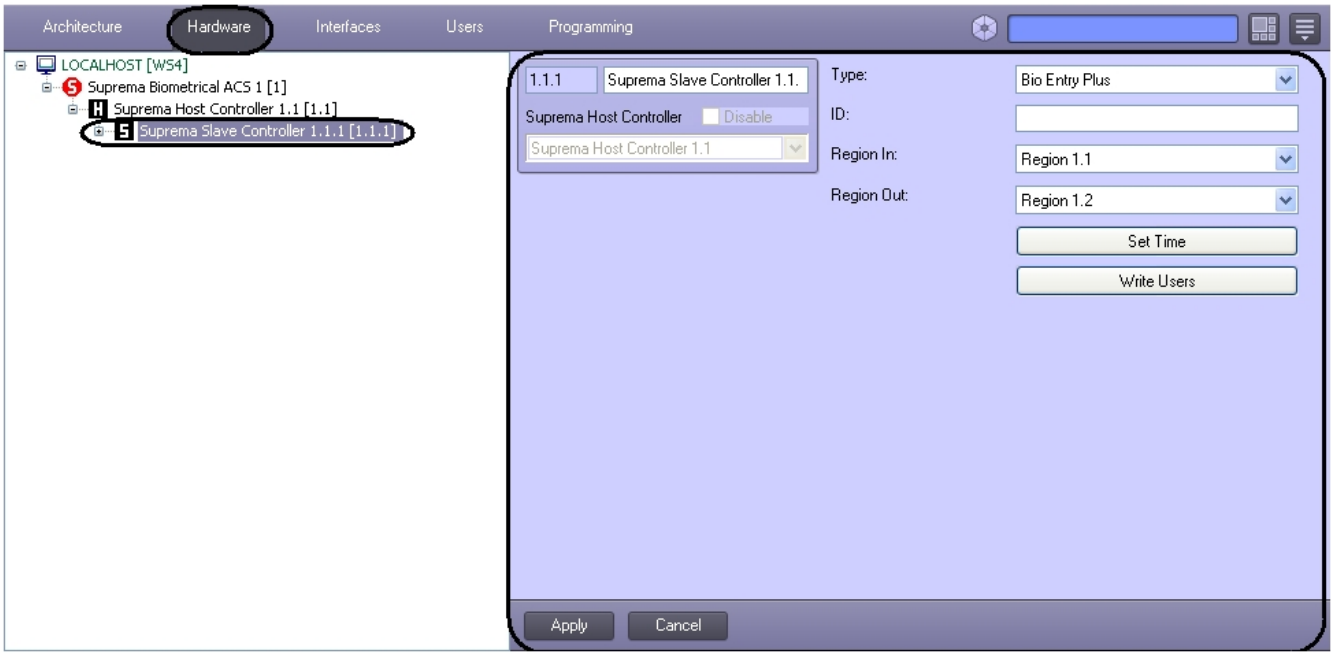


2. From the **Number:** drop-down list select the number of the controller input (**1**).
3. To save changes click the **Apply** button (**2**).

This completes the configuration of the *Suprema Secure IO Relay* object.

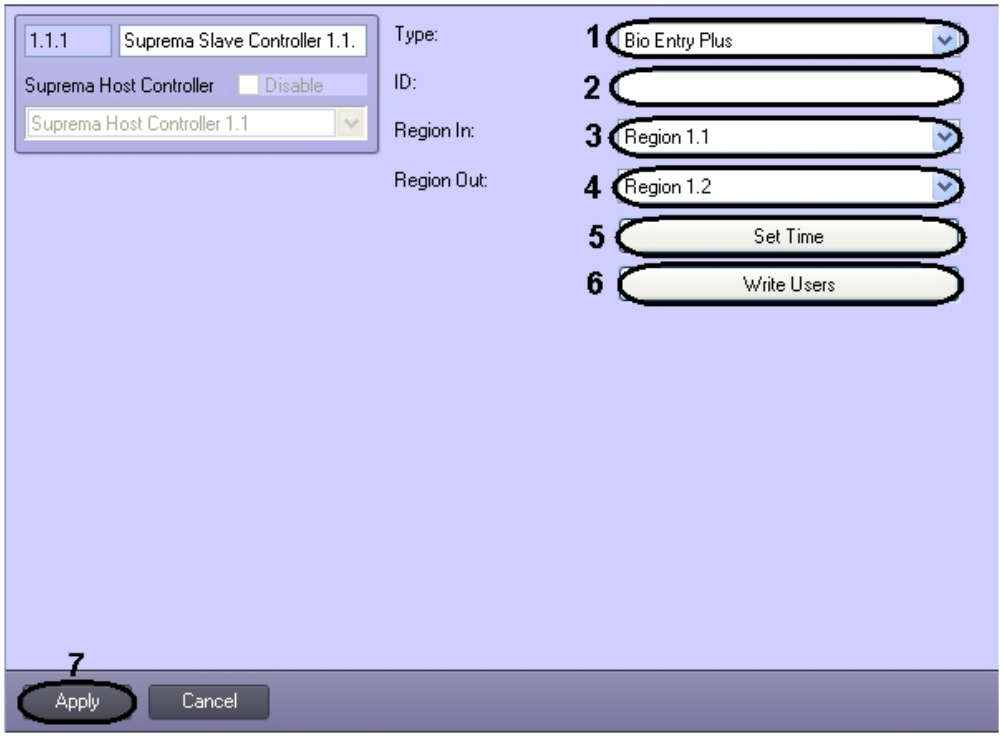
Configure the Suprema Slave Controller object

The *Suprema Slave Controller* object is configured on the **Suprema Slave Controller** object's settings panel. This object is created based on a **Suprema Host Controller** object on the **Hardware** tab of the **System Settings** dialog.



To configure the *Suprema Slave Controller* do the following:

1. Go to the **Suprema Slave controller** object's settings panel.

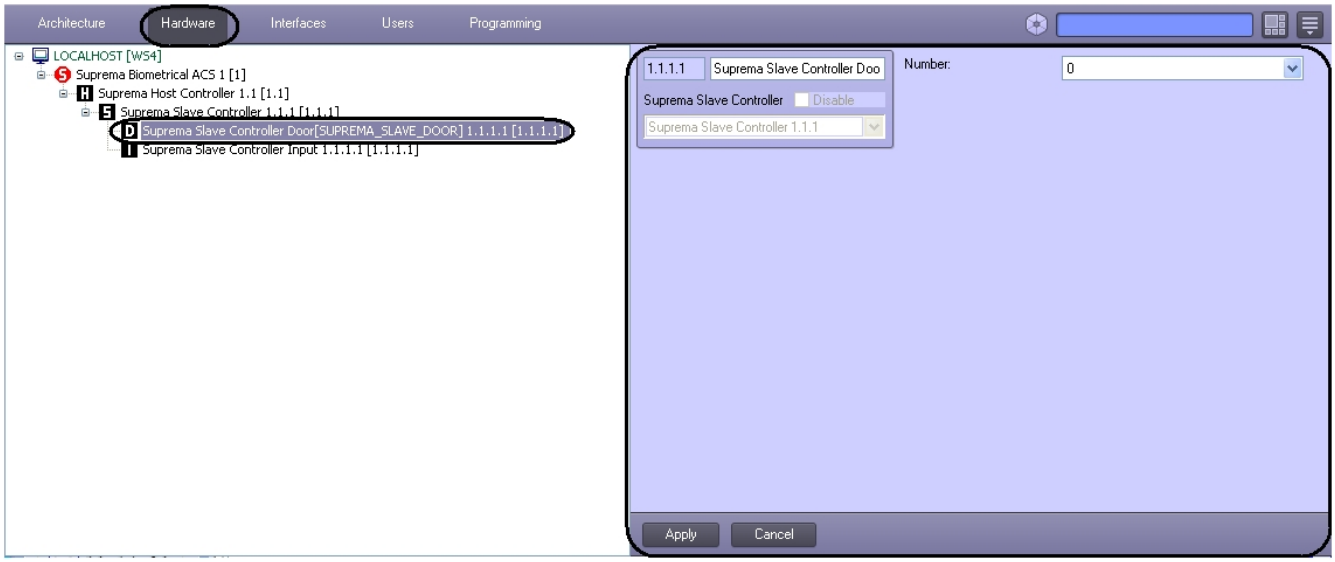


2. From the **Type:** drop-down list select the type of the controller (**1**). The following types are available:
   a. Bio Entry Plus – finger and card can be used;
   b. XPass – only card can be used
   c. X-station – card and password can be used.
3. Enter the hardware address of a connected controller in the **ID:** field (**2**).
4. From the **Region In:** drop-down list select the Area located in the site of exit through this reader (**3**).
5. From the **Region Out:** drop-down list select the Area located in the site of entry through this reader (**4**).
6. Click the **Set time** button to set time to the controller (**5**).
7. Click the **Write Users** button to write users to the controller (**9**).
8. To save changes click the **Apply** button (**10**).

This completes the configuration of the *Suprema Slave Controller* object.

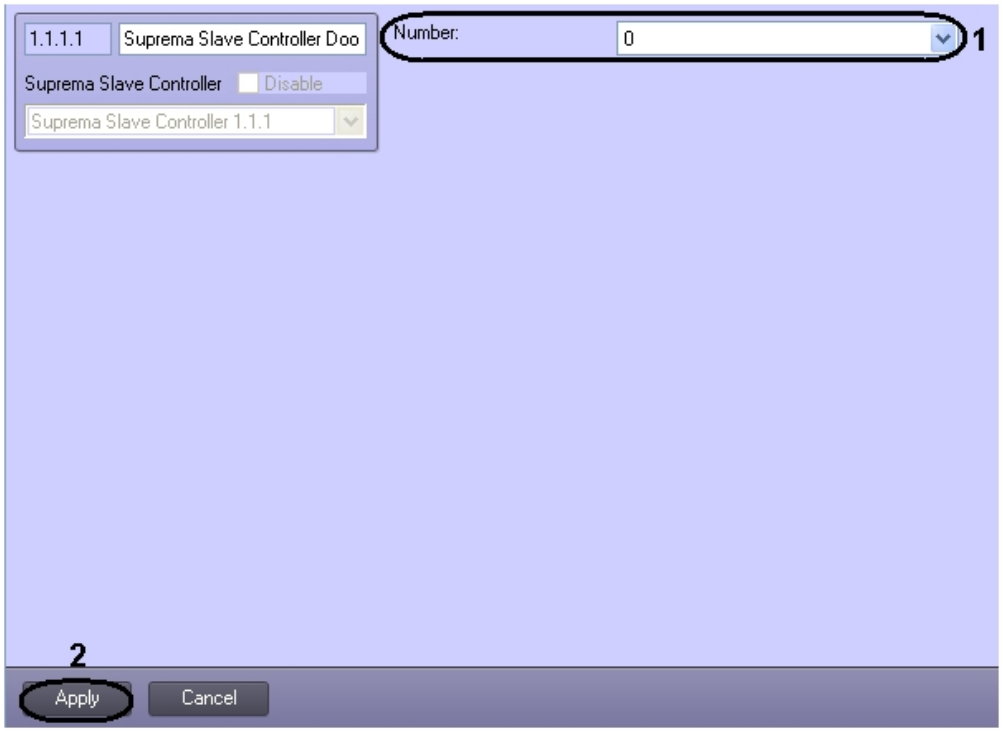
Configure the Suprema Slave Controller Door object

The *Suprema Slave Controller Door* object is configured on the **Suprema Slave Controller Door** object's settings panel. This object is created based on a **Suprema Slave Controller** object on the **Hardware** tab of the **System Settings** dialog .



To configure the *Suprema Slave Controller Door* do the following:

1. Go to the **Suprema Slave Controller Door** object's settings panel.

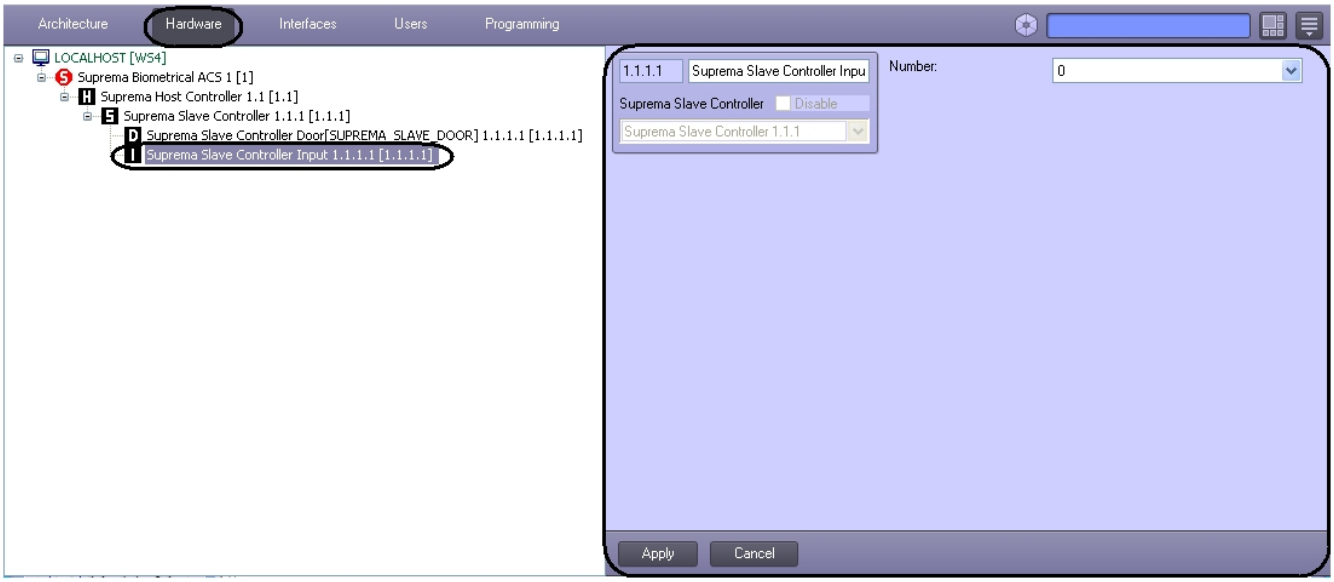


2. From the **Number:** drop-down list select the number of the door (**1**).
3. To save changes click the **Apply** button (**2**).

This completes the configuration of the *Suprema Slave Controller Door* object.

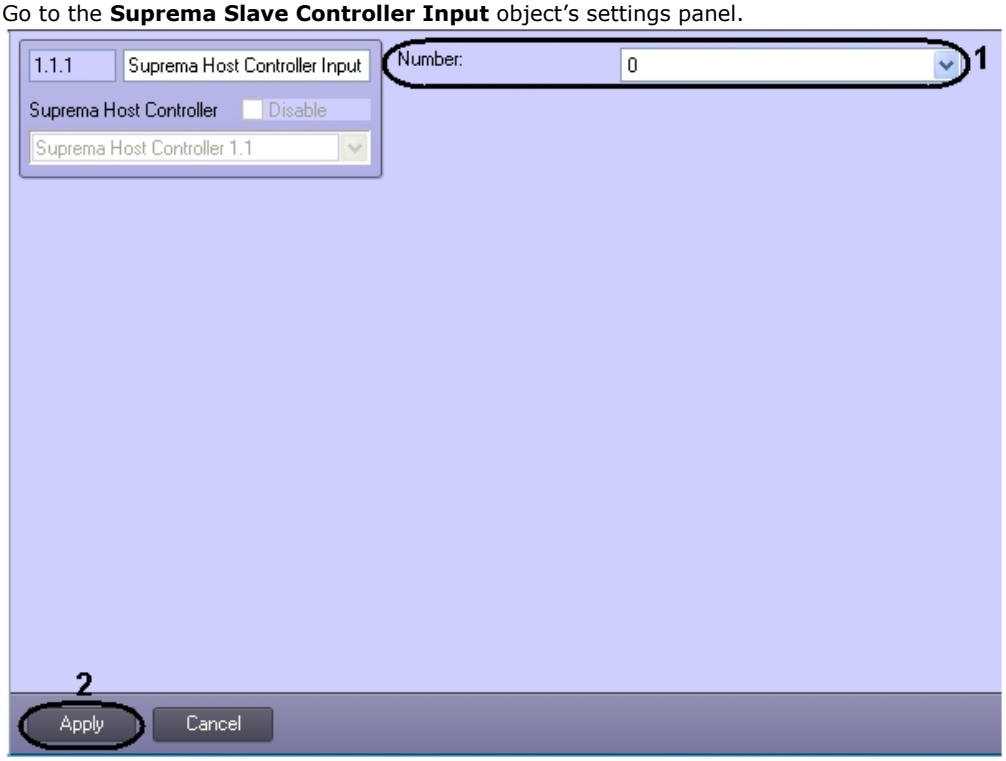
Configure the Suprema Slave Controller Input object

The *Suprema Slave Controller Input* object is configured on the **Suprema Slave Controller Input** object's settings panel. This object is created based on a **Suprema Slave Controller** object on the **Hardware** tab of the **System Settings** dialog .



To configure the *Suprema Slave Controller Input* do the following:

1. Go to the **Suprema Slave Controller Input** object's settings panel.

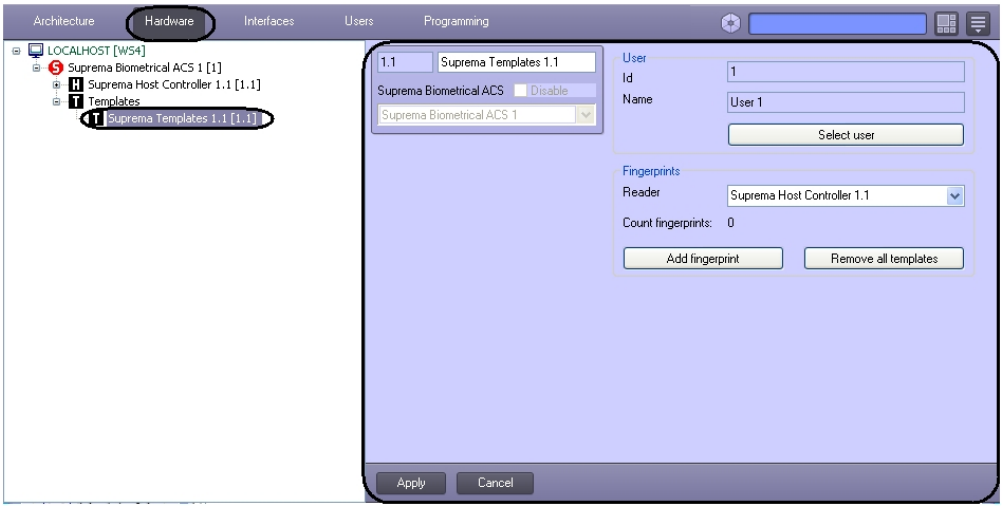


2. From the **Number:** drop-down list select the number of the controller input (**1**).
3. To save changes click the **Apply** button (**2**).

This completes the configuration of the *Suprema Slave Controller Input* object.

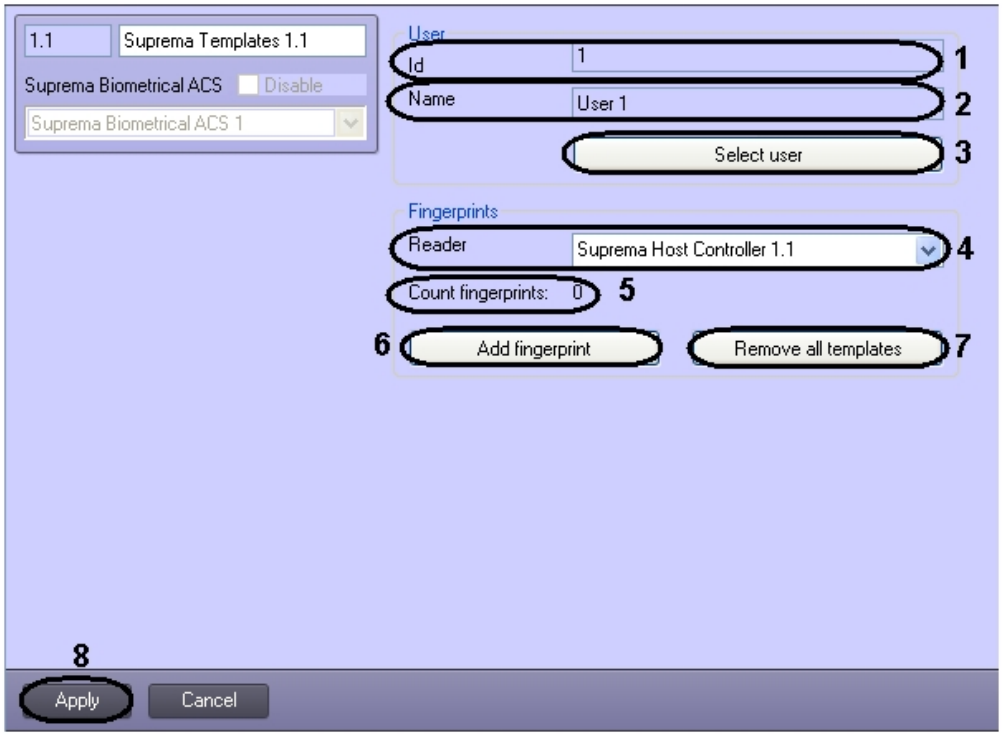
Configure the templates

The *Suprema Templates* object is configured on the **Suprema Templates** object's settings panel. This object is created based on a **Suprema Biometrical ACS** object on the **Hardware** tab of the **System Settings** dialog.

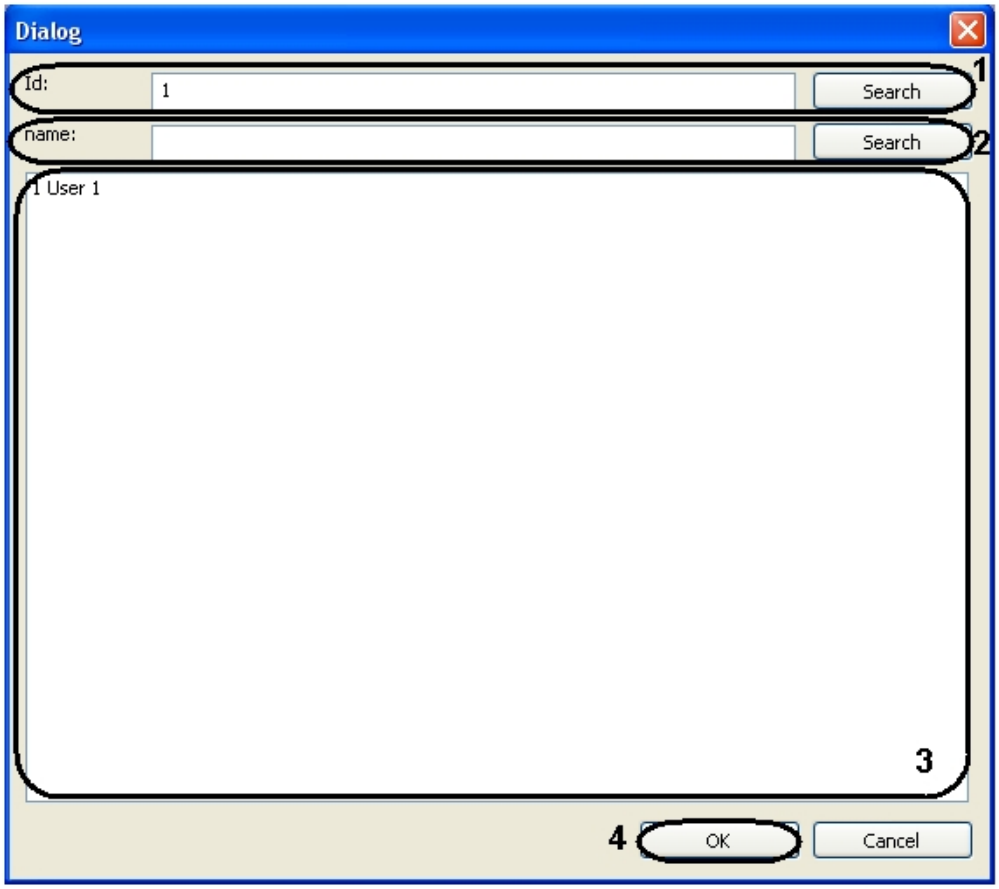


To configure the *Suprema Templates* do the following:

1. Go to the **Suprema Templates** object's settings panel.



2. Click the **Select user** button to add a user.
   As a result the **Dialog** window will open. It is possible to search users by ID or name.
   Enter the user ID in the **Id:** field and click the **Search** button near the Id: field (**1**). When search is completed all users with such id will be displayed in the list (**3**).
   To search users by name enter the name in the **Name:** field and click the **Search** button near this field (**2**). When search is completed all users with such name will be displayed in the list (**3**).



From the list of found users select the required user and click **OK** button.
As a result the ID and name of selected user will be displayed in the corresponding fields on the settings panel of the **Suprema Templates** object (**1**, **2**).

3. From the **Reader** drop-down list select the controller by means of which the fingerprints adding will be performed (**4**).
4. In the **Count fingerprints:** field the number of added fingerprints is displayed (**5**).
5. Click the **Add fingerprint** button to save fingerprint to the database (**6**).
6. Click the **Remove all templates** to remove templates from the database (**7**).
7. To save changes click the **Apply** button (**8**).

This completes the configuration of the *Suprema Templates* object.

Working with the Suprema Module

The following interface objects are used to work with the *Suprema* Module.

1. **Map**;
2. **Event Log**.

Information about configuring these interface objects is presented in the Intellect Software package: Administrator's Guide

How to work with interface objects is described in detail in Intellect Software package: Operator's Guide.

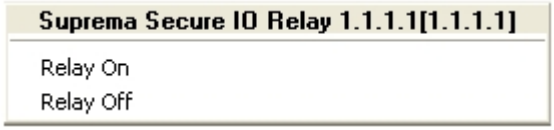
Managing the Suprema Host Controller

A *Suprema Host Controller* is managed in the interactive **Map** window using the corresponding object's menu:

Select the **Reconnect** item to reconnect the controller.

Managing the Suprema Secure IO Relay

A *Suprema Secure IO Relay* is managed in the interactive **Map** window using the corresponding object's menu:

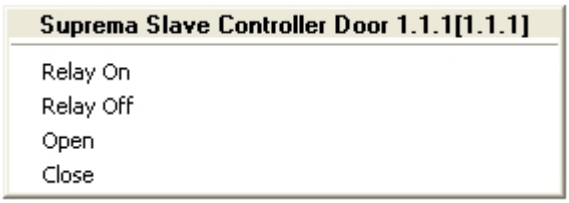


Description of feature menu commands of **Suprema Secure IO Relay** object is given in the table.

Command of feature menu	Functionality
Relay Off	Turn Off relay
Relay On	Turn On relay

Managing the Suprema Slave Controller Door

A *Suprema Slave Controller Door* is managed in the interactive **Map** window using the corresponding object's menu:



Description of feature menu commands of **Suprema Slave Controller Door** object is given in the table.

Command of feature menu	Functionality
Relay Off	Turn Off relay
Relay On	Turn On relay
Open	Open the door
Close	Close the door