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Suprema Integration Module Settings Guide Introduction into Suprema Integration Module Settings Guide

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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).

(i) 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).

Supported hardware and licensing of the Suprema integration module

Manufacturer	Suprema 17F Parkview Office Tower, Jeongja, Bundang, Seongnam, Gyeonggi, 463-863 Republic of Korea www.supremainc.com
Integration type	SDK
Equipment connection	Ethernet

Supported equipment

Equipment	Function	Features
XPass	Controller	Max. number of users: 40000 Inputs: 2 Relay: 1 Ethernet interface

X-Station		Max. number of users: 200000 Inputs: 2 Relay: 1
BioEntry Plus	Fingerprint scanner	Max. number of users: 5000 Inputs: 4 Relay: 1 Ethernet interface
SecureIO		

Protection

Parent object and controllers.

Configuration of the Suprema integration module Procedure for configuration of the Suprema integration module

The Suprema 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 Host Controller Door object.
- 5. Configure the Suprema Host Controller Reader object.
- 6. Configure the Suprema Secure IO object.
- 7. Configure the Suprema Secure IO Input object.
- 8. Configure the Suprema Secure IO Relay object.
- 9. Configure the Suprema Slave Controller object.
- 10. Configure the Suprema Slave Controller Door object.
- 11. Configure the Suprema Slave Controller Input object.
- 12. Configure the Suprema Slave Controller Reader object.

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.

1 9	Suprema Biometrical ACS 1		Write Users	1
Computer	📃 Disable	Oynamic (2	
LOCALHOST	T 🔽			
3				
	Cancel			

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.

Architecture Hardware	Interfaces	Users	Programming			Mode: Demo	
B- LOCALHOST L-KASYANOVA [L B- Suprema Biometrical ACS :	-KASYANOVA] I [1]			1.1 Suprema Host Controller 1.1	Туре:	Bio Entry Plus	•
🗄 🕂 Η Suprema Host Controll	er 1.1 [1.1]			Suprema Biometrical ACS 🔲 Disable	ID:		
				Suprema Biometrical ACS 1	Region in:		•
					Region out:		-
				Ethernet		Set time	
				IP address:		Write users	
				Port: 1470 📑	Users writing options		
				Autoreconnect	card or fingerprints		
				Autoreconnect time(sec): 5	Data to write:		
				Reconnect	card and fingerprints		
				Get device id	Skip writing users wi	th "Never" access level	
				<u> </u>	I Skip writing users will	th incorrect access level	
					Users offline synchro	nization	
				Apply Cancel			

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

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

		Mode: Demo	
1.1 Suprema Host Controller 1.1	Туре:	Bio Entry Plus	6
Suprema Biometrical ACS 🔲 Disable	ID:		7
Suprema Biometrical ACS 1	Region in:	•	8
	Region out:	▼.	9
Ethernet		Set time	10
	1	Write users	11
Port: 1470	Users writing options		1
Autoreconnect	card or fingerprints	•	12
Autoreconnect time(sec): 5	Data to write:		
Reconnect	4 card and fingerprints		13
Get device id	5 Skip writing users wi	ith "Never" access level 14 ith incorrect access level 15	
17	Users offline synchro	onization 16	
Apply Cancel			

- 2. Enter the controller's IP address in the **IP-address:** 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.

Check the **Autoreconnect** box that enables automatic reconnect if the connection with the controller is lost in the time period specified in the **Autoreconnect time** field (**3**).

- 4. Click the Reconnect button to reconnect controller by Ethernet (4).
- 5. To get the ID of controller connected via Ethernet click the Get device id button (5).
- 6. From the **Type:** drop-down list select the type of the controller (**6**). 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.
- 7. Enter the hardware address of a connected controller in the ID: field (7).
- 8. From the **Region In:** drop-down list select the Area located in the site of exit through this reader (8).
- 9. From the Region Out: drop-down list select the Area located in the site of entry through this reader (9).

Note.

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

- 10. Click the **Set time** button to set time to the controller (**10**).
- 11. Click the Write Users button to write users to the controller (11).
- 12. Specify options of users writing:
 - a. From the **Write users who have:** drop-down list select a parameter by which users for writing will be selected (**12**).
 - b. From the **Data to write:** drop-down list select data which will be written (13).
 - c. Set the **Skip writing users with "Never" access level** checkbox to write users with the "Never" access level (**14**).
 - d. Set the **Skip writing users with incorrect access level** checkbox to write users with invalid or missed access level (**15**).
 - e. Set the **Offline synchronization** checkbox to maintain the current information about users in controller in spite of breaking the connection (**16**).
- 13. To save changes click the Apply button (17).

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

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

Configure the Suprema Host Controller Door object

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

Architecture Hardware	Interfaces	Users	Programming			Mode: Dem	• • • • • • •
LOCALHOST [L-KASYANO'	VA] CS1 [] roller 1.1 [1.1] ontroller Door 1.1.1 [1			1.1.1 Suprema Host Controller Door Suprema Host Controller Disable Suprema Host Controller 1.1 •	Number:	0	•
				Apply Cancel			

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

1. Go to the Suprema Host Controller Door object settings panel.

1.1.1 Suprema Host Controller Door	Number: 0 1
Suprema Host Controller Disable	
Suprema Host Controller 1.1 💌	
	1
2	
Apply Cancel	

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

The configuration of the *Suprema Host Controller Door* object is complete.

Configure the Suprema Host Controller Reader object

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

Architecture Hardware Interfaces Users	Programming			Mode: Demo	
LOCALHOST [L-KASYANOVA]		1.1.1 Suprema Host Controller Read	Region in:	New region 1]
Suprema Host Controller 1.1 [1.1]		Suprema Host Controller Disable	Region out:	New region 2]
Suprema Host Controller Reader 1.1.1 [1.1.1]		Suprema Host Controller 1.1 🔹			
		Araba Casual			
		Apply Cancel			

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

1. Go to the Suprema Host Controller Reader object settings panel.

1.1.1 Suprema Host Controller Read	Region in:	New region 1	•	1
Suprema Host Controller 📃 Disable	Region out:	New region 2	•	2
Suprema Host Controller 1.1				-
3				
Apply Cancel				

- 2. From the **Region in:** drop-down list select the region which the user enters (1).
- 3. From the Region out: drop-down list select the section from which the user enters (2).
- 4. To save changes click the **Apply** button (**3**).
- The configuration of the Suprema Host Controller Reader object is complete.

(i) Note

The **Suprema Host Controller Reader** can be configured to work with the **Access Manager** module, see Config ure the interaction between the Suprema Biometrical ACS and the Access Manager module.

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.

Architecture Hardware Interfaces	Programming	٠	
COALHOST [WS4] Suprema Biometrical ACS 1 [1] Suprema Host Controller 1.1 [1.1] Suprema Secure IO 1.1.1 [1.1.]	1.1.1 Suprema Secure ID 1.1.1 Suprema Host Controller Disable Suprema Host Controller 1.1 Image: Controller 1.1	ID: 0	~
	Apply Cancel		

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.

Architecture Hardware Interf	Programming	٩		
LOCALHOST [WS4] Suprema Biometrical ACS 1 [1] Jurema Host Controller 1.1 [1.1] Suprema Slave Controller 1.1.1	1.1.1 Suprema Slave Controller 1.1. Suprema Host Controller Disable Suprema Host Controller 1.1 Image: Controller 1.1	Type: ID: Region In: Region Out:	Bio Entry Plus Region 1.1 Region 1.2 Set Time Write Users	

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

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

1.1.1 Suprema Slave Controller 1.1.	Туре:	1 Bio Entry Plus
Suprema Host Controller Disable	ID:	2
Suprema Host Controller 1.1	Region In:	3 (Region 1.1
	Region Out:	4 (Region 1.2
		5 Set Time
		6 Write Users
7		
Apply Cancel		

- 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 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 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).

The configuration of the Suprema Slave Controller Door object is complete.

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 Suprema Slave Controller Reader object

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

Architecture Hardware Interfaces Users	Programming			Mode	: Demo	
		1.1.1.1 Suprema Slave Controller Rea	Region in:	New region 1	•	
Suprema Host Controller 1.1 [1.1]		Suprema Slave Controller Disable	Region out:	New region 2	•	
Suprema Slave Controller 1.1.1 [1.1.1] RD Suprema Slave Controller Reader 1.1.1.1 [1.1.1.1]		Suprema Slave Controller 1.1.1 🔹]			
		Apply Cancel				

To configure the Suprema Slave Controller Reader do the following:

1. Go to the Suprema Slave Controller Reader object settings panel.

		Mode	: Demo		
1.1.1.1 Suprema Slave Controller Read	Region in:	New region 1	•	1	
Suprema Slave Controller 📃 Disable	Region out:	New region 2	-	2	
Suprema Slave Controller 1.1.1 👻	 			-	
	_				
2					
J Analy Control					
Appiy Cancel					
From the Pegion in: dron-do	wn list salast th	e region which the us	or ontors (1	1	

- 2. From the **Region in:** drop-down list select the region which the user enters (1).
- 3. From the **Region out:** drop-down list select the section from which the user enters (2).
- 4. To save changes click the **Apply** button (**3**).

The configuration of the Suprema Slave Controller Reader object is complete.

(i) Note

The **Suprema Slave Controller Reader** can be configured to work with the **Access Manager** module, see Configure the interaction between the Suprema Biometrical ACS and the Access Manager module.

Configure the interaction between the Suprema Biometrical ACS and the Access Manager module

The readers connected to the Suprema controllers may be configured to supply fingerprints to the **Access Manager** servic e module. For information on the **Access Manager** module, see ACFA Intellect Service Modules User Guide.

The interaction between **Suprema Biometrical ACS** and the **Access Manager** module is configured on the **Access Manager** interface object settings panel on the **Interfaces** tab of the **System Settings** dialog.

To configure the interaction between the Suprema module and the Access Manager module, do the following:

1. Create the $\ensuremath{\textbf{Access}}\xspace$ manager interface object on the $\ensuremath{\textbf{Interfaces}}\xspace$ tab.

Architecture	Hardware	Interfaces		Users	Programming
LOCALHOST	•				
	Create object	Þ	1	Access Manage	er
	Change parameter		4: 	Audio player Captions searc	h
	Expand tree		7	Configuration	check
	Collapse tree		Q	Event manager	r 📗
			<u>17</u>	Event viewer	I
1	Delete object			External windo	w
	Create folder		0	HTML Interfac	e 🛛
				Intercom Cont	rol Monitor
9	 Save 			Live sound swi	tch
<i></i>	Find			Long-term arc	hive panel
_	Load configuration		-	Map	
	Save configuration.		8	Monitor	
	save configuration			Operator proto	col
			<u> </u>	Photo Identific	ation

2. Go the settings panel of the Access Manager interface object and switch to the Readers tab.

Architecture Hardware Interfaces Users Programming		Mode: Demo
LOCALHOST Display 1 [1]	1 Access Manager 1 Display Disable Display 1 Confirm card entered by operator Position Fix position Monitor 1 Suprema Host Controller 1.1.1 Suprema Host Controller 1.1.1 Suprema Slave Controller 1.1.1 V: 50 H: 50 V: Create User settings V: Create User settings V: Create Departments settings Delete Edit Delete Delete Edit Delete Delete Edit Delete V: New departments are visible in root Apply	<u>✓</u> ✓ ✓ 2

- 3. Check the **Suprema Host Controller** to enable the readers connected to the **Suprema Host Controller** (1).
- 4. Check the Suprema Slave Controller to include the readers connected to the Suprema Slave Controller (2).
- 5. Click **Apply** to save the changes (**3**).

Configuring the interaction between the Suprema Biometrical ACS and the Access Manager module is complete.

The procedure for fingerprint scanning using the Suprema readers is described in detail in Scanning fingerprints using the Access Manager module and Suprema readers section.

Reading of users and events from Suprema database to the ACFA Intellect software

It's possible to import users and get events from the Suprema vendor software.

Attention!

Buttons for import of users and getting of events from the *Suprema* database are hidden on default. To display these buttons create the string parameter with the RabbitHole name and with value 1 in the HKEY_LOCAL_MACHI NE\SOFTWARE\ITV\INTELLECT\Suprema registry section.

e Edit View Favorites Help				
DB	-	Name	Туре	Data
🗈 🕌 DbImport		ab (Default)	REG SZ	File Felder
主 🚽 Debug		ship (Derault)	NEO 32	File Folder
🕀 📄 DetectorExt		RabbitHole	REG_SZ	1
Display				
Gate				
id_limit				
Map				
POS				
RADAR				
F. Suprema				
SyncProtocol				
		•		

1. To import users from the *Suprema* database click the **Import users** button on the settings panel of the **Suprema Biometrical ACS** object (1).

	•	
1 Suprema Biometrical ACS 1	Write users	
Computer Disable	Dynamic	
Компьютер LEAD		
Rabbit Hole	_	
	2	
Apply Cancel		

As a result the dialog window for specifying parameters of connection to the vendor software database will display

Dialog	×
Server address:	(local) 1
Data base name:	BioStar 2
Login:	sa 3
Password:	•••• 4
Index field:	9 5
Department:	Department 1 🗾 6
	7 OK Cancel

- a. In the Server address: field enter a server address of vendor software database (1).
- b. In the Database name: field enter a database name from which users will be imported (2).
- c. In the **Login:** field enter a login for connecting to database (**3**).
- d. In the **Password:** field enter a password for connecting to database (4).
- e. In the **Index field:** enter a number of additional database field of vendor software in which there is the *Inte llect ID* parameter (**5**).
- f. From the **Department:** drop-down list select a department in which imported users will be added (6).
- g. Click the OK button (7).
- 2. To get events from the vendor software database click the **Get events** button on the settings panel of the **Suprem a Biometrical ACS** object (2).

Dialog			×
Begin:	18.07.2016	▼ 13:00:27	•
End:	19.07.2016	▼ 13:00:27	•
		ОК	Cancel

In the opened dialog window specify the time interval during which events are to be read.

As a result of this operation all events from all controllers in the system for the specified time interval will be received. If it's required to get events from the specific controller, do actions described above from the settings panel of the corresponding object.

3. Click **Apply** to save changes.

Attention!

Careless using of these settings can result in loss of users or events in the system and further incorrect working of the system.

Working with the Suprema Module

The following interface objects are used to work with the *Suprema* module:

- 1. Map;
- 2. Access Manager;
- 3. Event Log.

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

Working with interface objects is described in detail in the Intellect Software package: Operator's Guide.

Managing the Suprema Host Controller

The *Suprema Host Controller* is managed in the interactive **Map** window using the functional menu of the **Suprema Host Controller** object.

Suprema Host Controller 1.1[1.1]	
Unlock	
Reconnect	
Lock(5 min)	

The commands of the functional menu are described in the table.

Command	Description
Unlock	Unlock the controller and its devices
Reconnect	Reconnect to the controller
Lock (5 min)	Lock the controller and its devices for 5 minutes

Managing the Suprema Host Controller Input

The *Suprema Host Controller Input* is managed in the interactive **Map** window using the functional menu of the **Suprema Host Controller Input** object.

Suprema Host Controller Input 1.1.1[1.1.1]
Reset	

Select the **Reset** command to reset the input configuration.

Managing the Suprema Host Controller Door

The Suprema Host Controller Door is managed in the interactive **Map** window using the functional menu of the **Suprema Host Controller Door** object.

	Suprema Host Controller Door 1.1.1[1.1.1]
	Relay On
	Relay Off
	Open
	Close
-	

The commands of the functional menu are described in the table.

Command	Description		
Relay On	Turn on the relay		
Relay Off	Turn off the relay		
Open	Open the door		
Close	Close the door		

Managing the Suprema Secure IO Input

The *Suprema Secure IO Input* is managed in the interactive **Map** window using the functional menu of the **Suprema Secure IO Input** object.

Suprema Secure	10 Input	1.1.1.1[1.1.1.1]
Reset		

Select the **Reset** command to reset the input configuration.

Managing the Suprema Secure IO Relay

The *Suprema Secure IO Relay* is managed in the interactive **Map** window using the functional menu of the **Suprema Secure IO Relay** object.

Suprema Secure IO Relay 1.1.1.1[1.1.1]	
Relay On	
Relay Off	

The commands of the functional menu are described in the table.

Command	Description	
Relay On	Turn on the relay	

Relay On Turn off the relay

Managing the Suprema Slave Controller

The *Suprema Slave Controller* is managed in the interactive **Map** window using the functional menu of the **Suprema Slave Controller** object.

Suprema Slave Controller 1.1.1[1.1.1]	
Unlock	
Lock(5 min)	

The commands of the functional menu are described in the table.

Command	Description
Unlock	Unlock the controller and its devices
Lock (5 min)	Lock the controller and its devices for 5 minutes

Managing the Suprema Slave Controller Input

The Suprema Slave Controller Input is managed in the interactive **Map** window using the functional menu of the **Suprema Slave Controller Input** object.

Suprema Slave Controller Input	1.1.1.1[1.1.1.1]
Reset	

Select the **Reset** command to reset the input configuration.

Managing the Suprema Slave Controller Door

The Suprema Slave Controller Door is managed in the interactive **Map** window using the functional menu of the **Suprema Slave Controller Door** object.

 Suprema Slave Controller Door 1.1.1.1[1.1.1]
Relay On
Relay Off
Open
Close

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

Command	Description
Relay On	Turn on the relay
Relay Off	Turn off the relay
Open	Open the door
Close	Close the door

Scanning fingerprints using the Access Manager module and Suprema readers

Scanning fingerprints using the Access Manager module and Suprema readers is performed in the following way:

1. Right-click the user's photo in the Access Manager window and select Extensions.

Access Manager 1				Ŀ	- 🗆 X
in factors (P) factor		pions and areas			
	Assign	User 2	User 3	User card (254) 27899 Access level Comme	A land
	Extent	tions 🕨	(Suprema) Suprema Host Co	ntroller 1.1	d
	No	_	(Suprema) Suprema Slave Co	ntroller 1.1.1 User 1 ()

2. Select **Suprema Host Controller** or **Suprema Slave Controller** to use the reader connected to the corresponding controller (for information on configuring the readers see Configure the interaction between the Suprema Biometrical ACS and the Access Manager module).

In both cases, the **Suprema** scanner window will open.

Suprema		
Waiting for action		
	Add	
	Remove	
	Remove all	
Ok	Cancel	
Only the first two fingerprints are written to the Suprema controller.		

- 3. Click **Add** (1) to start scanning.
- 4. Put finger on reader and hold for a while, then repeat with the same finger.
- 5. The scanned fingerprint will appear in the scanner window. You may click **Remove/Remove all (2, 3)** to remove the scanned data.

S	uprema	
	Scan sud	ccess
	Fingerprint#1	Add
		emove 2
		Remove all
	Ok 4	Cancel
Only the first two fingerprints are written to the Suprema controller.		

(i) Note

You can take several attempts to scan the fingerprint, but only the first two fingerprints in the list will be written to controller.

6. Click OK (4).
7. Click Save (5) in the user editor to add the fingerprint to the user account.

🚨 Editing. User 1 (1)					
User card	Access level	Comment	\bigcap		
(254) 27899	"Always"	Inherited			
< >					
▲ 0. Full name					
Name		=	Suprema Bypass (No		
Patronymic			Suprema Fingerpri 1		
Sumame	User 1		VertX-Edge Acces		
▲ 1. Personal da	ata		VertX-Edge Escort		
Access level ass	ic		VertX-Edge Exem; No		
Additional inform	a		VertX-Edge Exten: No		
Antipassback	No		VertX-Edge PIN c/ No		
Birth place		+	5		
			Save Cancel		

Scanning fingerprints using the Access Manager module and the Suprema reader is complete.