



## Control Readers Settings Guide

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# 1 Control Readers Settings Guide. List of terms

Access Control System (*ACS*) – program and software complex designed to manage and control access to premises.

Readers – electronic devices designed to enter a code from a keyboard, read code information from system keys (identifiers), or read out user's biometric parameters (fingerprint, palm vein pattern).

*Intellect* Client – a computer with *Intellect* software installed in a **Client** configuration.

*Intellect* Server – a computer with *Intellect* software installed in a **Server** configuration.

## 2 General information on control reader integration modules

Control reader integration modules are components of *ACFA Intellect* software package. They are designed to process information received from readers integrated with the *ACFA Intellect* software.

Control readers shall be utilized to fill in user database with identifiers (codes, access cards, fingerprints, palm vein patterns). It is impossible to build an ACS based on control readers only.

### 3 Supported control readers and licensing

The following control readers are integrated with the *ACFA Intellect* software.

Name	Vendor
HID OMNIKEY® 5321 CL SAM	<b>HID Global</b> 611 Center Ridge Drive Austin, TX 78753 U.S.A Tel.: (949) 732-2000, (800) 237-7769 www.hidglobal.ru
BioSmart FS80	<b>Prosoft Systems</b> 620102 Russia Yekaterinburg 194 A Vologodskaya str. Tel.: +7 (343) 376-2820; 356-5111 E-mail: info@prosoftsystems.ru www.prosoftsystems.ru
Suprema BioMini	<b>Suprema</b> 17F Parkview Office Tower, Jeongja, Bundang, Seongnam, Gyeonggi, 463-863 Republic of Korea www.supremainc.com

#### Modules licensing

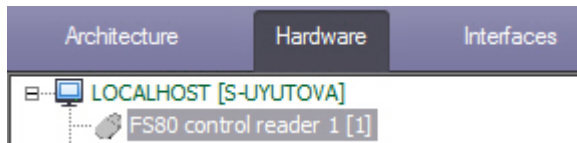
Any control reader is licensed with the same PO item: INTELLECT Control Reader License for Visitor Management System.

## 4 Configuring control readers in the Intellect software

### 4.1 Configuring BioSmart FS80 control reader in the Intellect software

After connection of the *FS80* reader to a Server download and install driver from the manufacturer official web site.

Then create the **FS80 control reader** object on the base of the **Computer** object in the *Intellect* software.



**Note.**  
To use the connected *FS80* control reader for enrolling fingerprints in *Access Manager*, select this reader while configuring the *Access Manager* – see the [Selecting control readers in the Access Manager](#) section of the [Access Manager Module Settings and Operation Guide](#).  
Capturing fingerprints with this control reader in the *Access Manager* is described in the [Capturing fingerprints in Access Manager with Biosmart FS80](#)

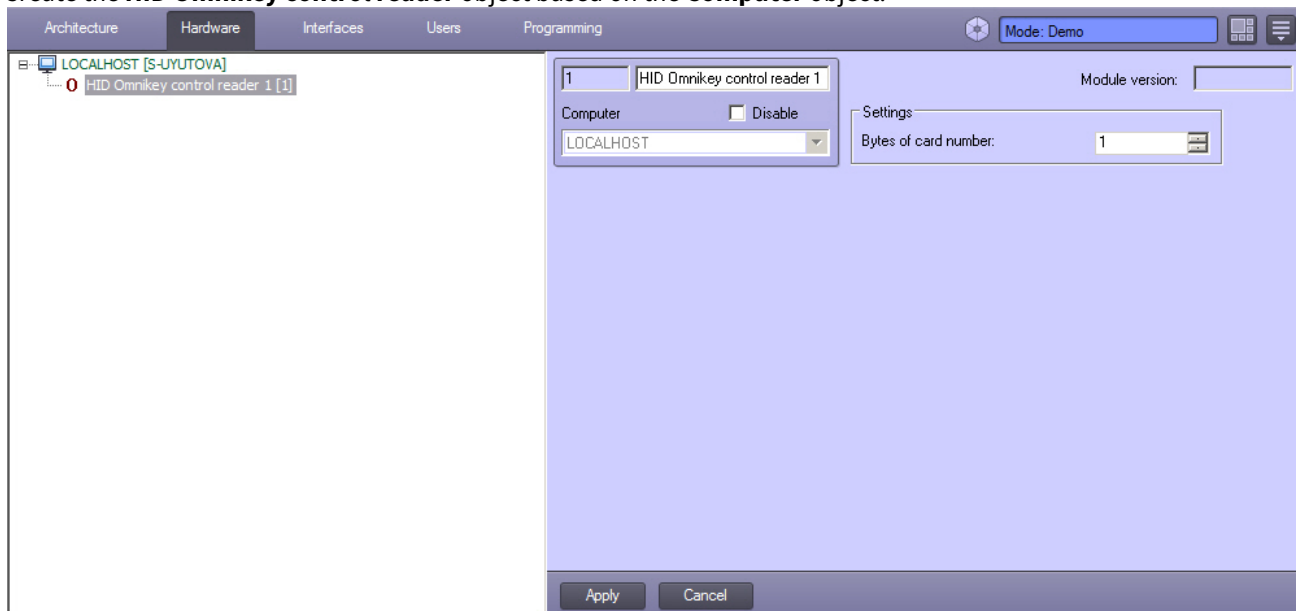
**Important!**  
The FS80 control reader is to be used only with the BioSmart integration module (see [BioSmart Integration Module Configuration and Operation Manual](#)).

### 4.2 Configuring HID OMNIKEY control reader in the Intellect software

After connection of the *HID OMNIKEY® 5321 CL SAM* reader to a Server download and install driver from the manufacturer official web site.

To configure the *HID OMNIKEY* control reader in the *Intellect* software, do the following:

1. Create the **HID Omnikey control reader** object based on the **Computer** object.



2. Specify the number of bytes of card number on the object settings panel.
3. Click **Apply**.

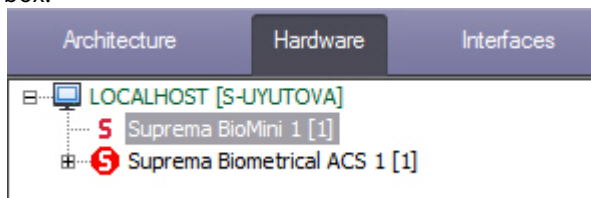
### 4.3 Configuring Suprema BioMini control reader in the Intellect software

Configure the *Suprema BioMini* control reader in the *Intellect* software as follows:

1. Connect the reader to a Server, download and install driver from the manufacturer's official web site.

**Note.**  
Registration on this site is required for download.

2. Run the *Intellect* software.
3. Create the **Suprema BioMini** object based on the **Computer** object on the **Hardware** tab of the **System Settings** dialog box.



**Note.**  
To use the connected Suprema BioMini control reader for enrolling fingerprints in *Access Manager*, select this reader while configuring the *Access Manager* – see the [Selecting control readers in the Access Manager](#) section of the [Access Manager Module Settings and Operation Guide](#).  
Capturing fingerprints with this control reader in the *Access Manager* is described in the [Capturing fingerprints in Access Manager with Suprema BioMini](#).

**Important!**  
The *Suprema BioMini* control reader is to be used only with the *Suprema* integration module – see [Suprema Integration Module Settings Guide](#).

Configuring *Suprema BioMini* control reader connection in the *Intellect* software is completed.

## 5 Working with control readers in the Intellect software

Control readers integration modules are designed for registration of events and automatic assigning users with card numbers.

The biometric control readers integration modules are designer for enrollment of user biometric parameters such as fingerprints (see subsections).

The following interface objects can be used to work with the control readers integration modules in the *ACFA Intellect* software:

1. **Access Manager;**
2. **Event Viewer.**

Information on how to configure the **Event Viewer** interface object is given in [Intellect software package: Administrator's Guide](#).

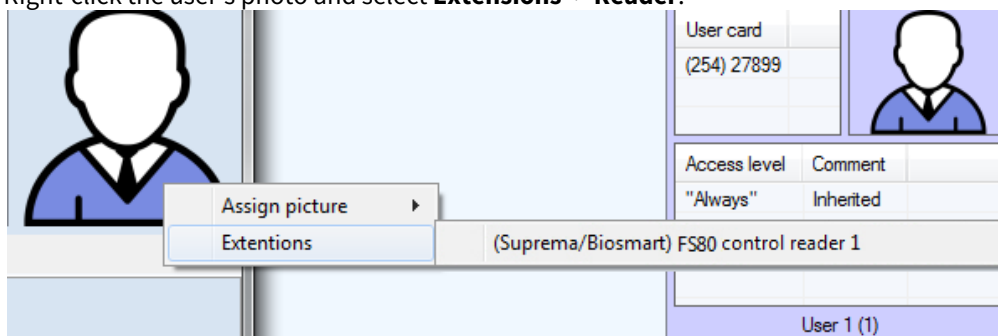
Information on how to use the **Event Viewer** interface object is given in [Intellect software package: Operator's Guide](#).

Information on how to use the **Access Manager** interface object is given in [Access Manager Module Settings and Operation Guide](#).

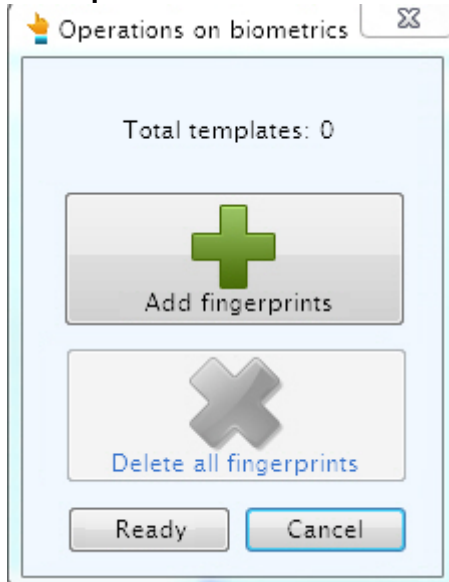
### 5.1 Capturing fingerprints in Access Manager with Biosmart FS80

Adding biometric parameters (fingerprints) of users from the Access Manager using the *BioSmart FS80* biometric control reader is carried out as follows:

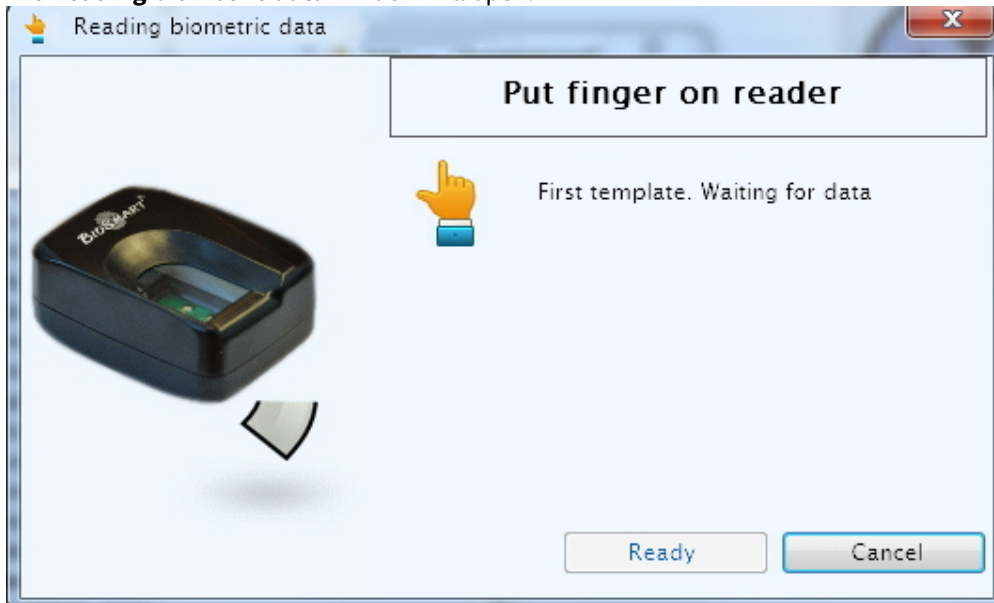
1. Display the Access Manager window (see [Starting and stopping the Access Manager module](#)).
2. Go to user editing (see [Going to user editing](#)).
3. Right-click the user's photo and select **Extensions -> Reader**.



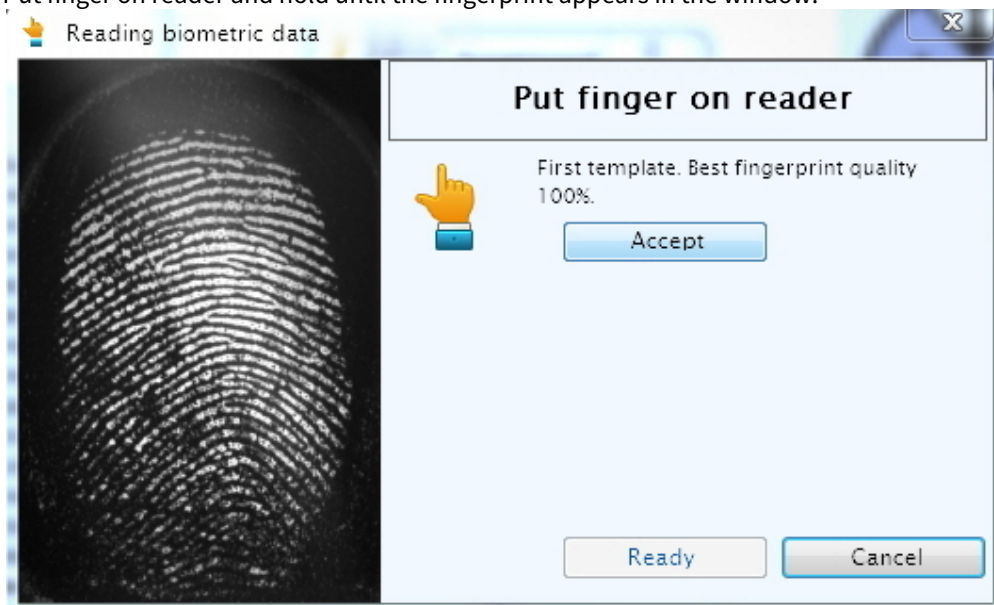
4. In the **Operations on biometrics** window, press the **Add fingerprints** button.



The **Reading biometric data** window will open.

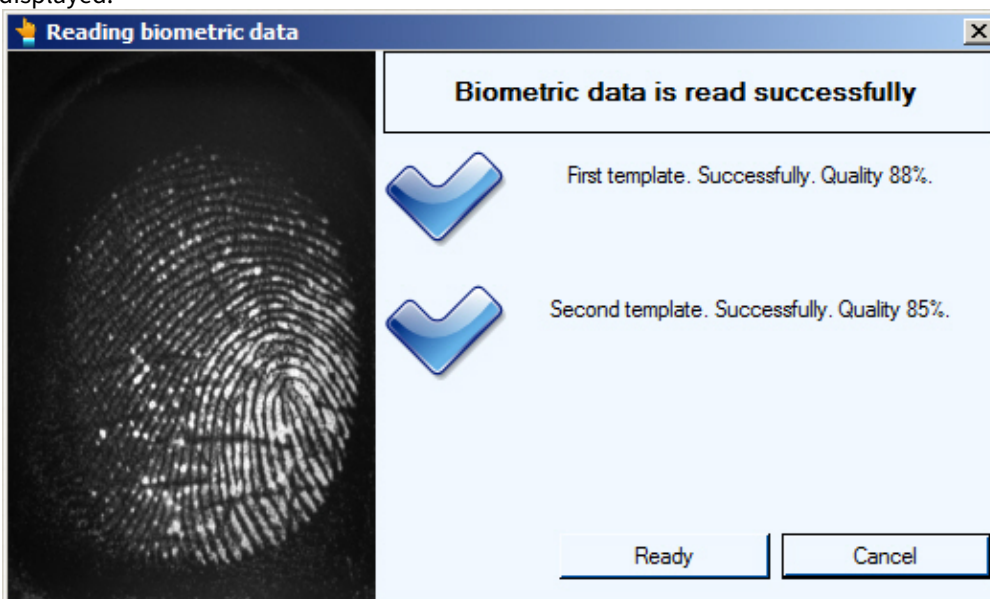


5. Put finger on reader and hold until the fingerprint appears in the window.

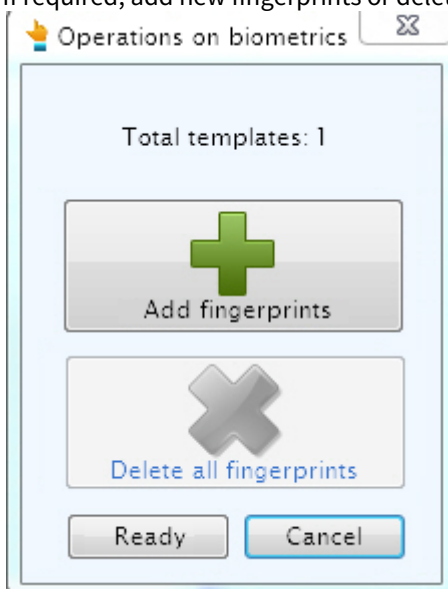


6. Click the **Apply** button and repeat the procedure with the same finger.

- If the procedure was carried out properly, and the fingerprints match, the **Biometric data is valid** message will be displayed.



- Click **Ready** to save the fingerprint.
- If required, add new fingerprints or delete the existing ones.

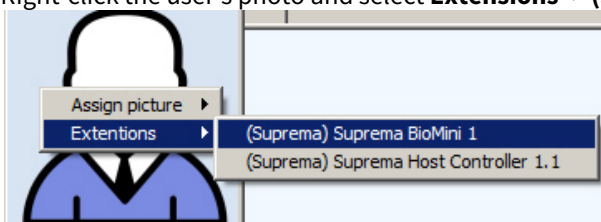


- Click **Ready** and then save the user parameters.

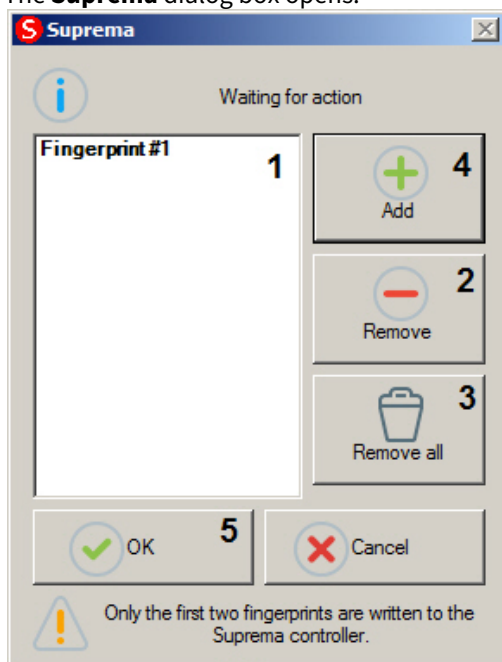
## 5.2 Capturing fingerprints in Access Manager with Suprema BioMini

Adding fingerprints of users from the *Access Manager* using the *Suprema BioMini* biometric control reader is carried out as follows:

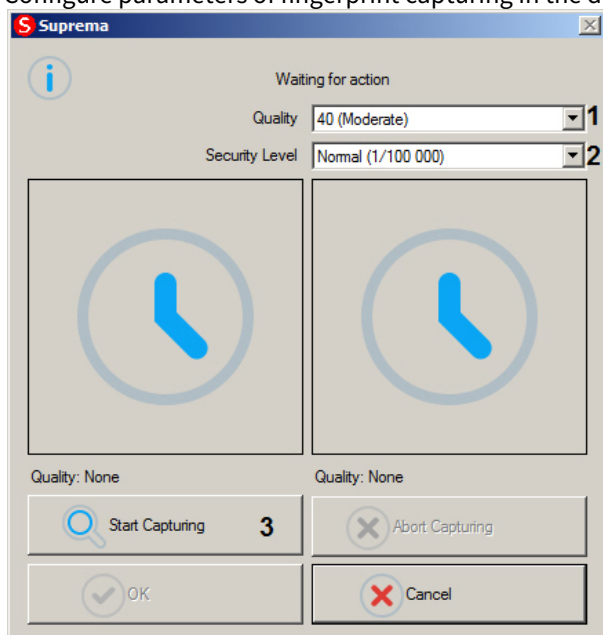
- Display the **Access Manager** window (see [Starting and stopping the Access Manager module](#)).
- Go to user editing (see [Going to user editing](#)).
- Right-click the user's photo and select **Extensions** -> **(Suprema) Suprema BioMini**.



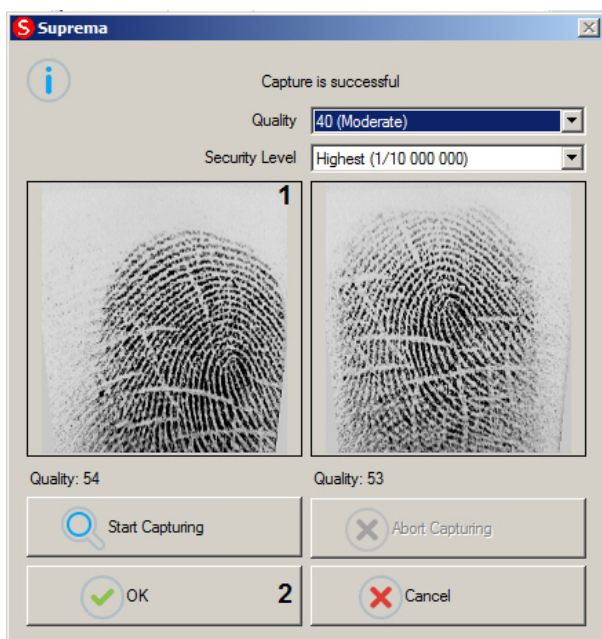
4. The **Suprema** dialog box opens.



5. Already added user fingerprints are displayed in the (1) list. First two fingerprints highlighted in bold will be recorded to the Suprema controller. To delete a fingerprint, select it in the list and click **Remove** (2). To delete all user fingerprints, click **Remove all** (3).
6. To add a new fingerprint, click **Add** (4).
7. Configure parameters of fingerprint capturing in the dialog box opened:



- a. Select minimum quality of a fingerprint to be accepted by the system in the **Quality** dropdown list (1). Fingerprint will be scanned by the system until its quality is not less than the specified value.
  - b. Select minimum similarity level of fingerprints in the **Security Level** dropdown list (2). The second fingerprint will be scanned by the system until its similarity to the first one is not less than the specified value.
8. Click **Start Capturing** (3).
9. Put user finger to the control reader.
10. Wait until two copies of a fingerprint are scanned. The fingerprint image is displayed in the corresponding area as soon as it is scanned (1).

**Note.**

Scanning can be interrupted in any moment by the **Abort Capturing** button.

11. To finish fingerprint scanning, click **OK** (2).
12. Repeat steps 6-11 for all required user fingerprints. Click **OK** (5).

Adding fingerprints of users from the *Access Manager* using the *Suprema BioMini* biometric control reader is completed.