

Suprema Integration with Paxton Net2

# **ADMINISTRATOR GUIDE**

Version 1.00  
English

# Contents

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<b>Target Audience .....</b>	<b>4</b>
<b>Introduction .....</b>	<b>5</b>
Features .....	5
System diagram.....	5
<b>Installation .....</b>	<b>6</b>
System Environment .....	6
Compatible Systems and Devices .....	6
Installing the Suprema Integration with Paxton Net2 .....	7
<b>Getting started.....</b>	<b>11</b>
Activate the Paxton Net2 OEM Client.....	11
Login .....	11
Home.....	12
<b>Devices .....</b>	<b>13</b>
Devices Overview .....	13
Adding the Device .....	14
Search and Registration .....	14
Enter the Device IP .....	14
Upload Users Registered from Devices .....	15
Editing Device Settings and Information.....	16
Resend Configuration .....	17
Upgrade F/W.....	17
Connect Device.....	17
Remove Device .....	18
Other Settings .....	18
<b>Users .....</b>	<b>19</b>
Users Overview.....	19
Select Card.....	19
Enroll Pin.....	20
Enroll Fingerprint .....	20
Server.....	20
Device .....	21
Enroll Face.....	22
Server.....	22
Device .....	23
Resend to All Devices .....	23
<b>Monitoring .....</b>	<b>24</b>
<b>Audit Trail .....</b>	<b>25</b>
<b>Accounts .....</b>	<b>26</b>
<b>Settings .....</b>	<b>28</b>
Global Device Configuration .....	28
Server Setting.....	29
<b>Enrollment Helper Client .....</b>	<b>30</b>

Enroll Credentials with Enrollment Helper .....	30
Enroll Credentials to Existing User .....	30
Enroll Credentials to New User .....	32

## **Appendices ..... 34**

Disclaimers .....	34
Copyright Notice .....	34
Open Source License .....	34
gin-gonic/gin .....	34
Gorm .....	35
Go-ps .....	35
google/uuid .....	35
gorilla/websocket.....	36
CommandLineParser .....	36
MahApps Metro.....	37
MahApps Metro IconPacks.....	37
Newtonsoft.Json.....	37
Aphache/log4net.....	38

# Target Audience

This document describes the integration between Suprema biometric devices and Paxton Net2 Access Control system using the Suprema Integration with Paxton Net2.

This document is intended for OEM Clients. The OEM Clients require basic knowledge of the Paxton Net2 and Suprema biometric devices.

# Introduction

## Features

Suprema Integration with Paxton Net2 is a middleware that allows the Paxton Net2 Access Control System to communicate with the Suprema biometric devices, which can register a variety of credentials to users from the Net2, and to manage connected devices. With Suprema Integration with Paxton Net2, you can easily setup and build the Biometric Management System for the Net2 using Suprema biometric devices.

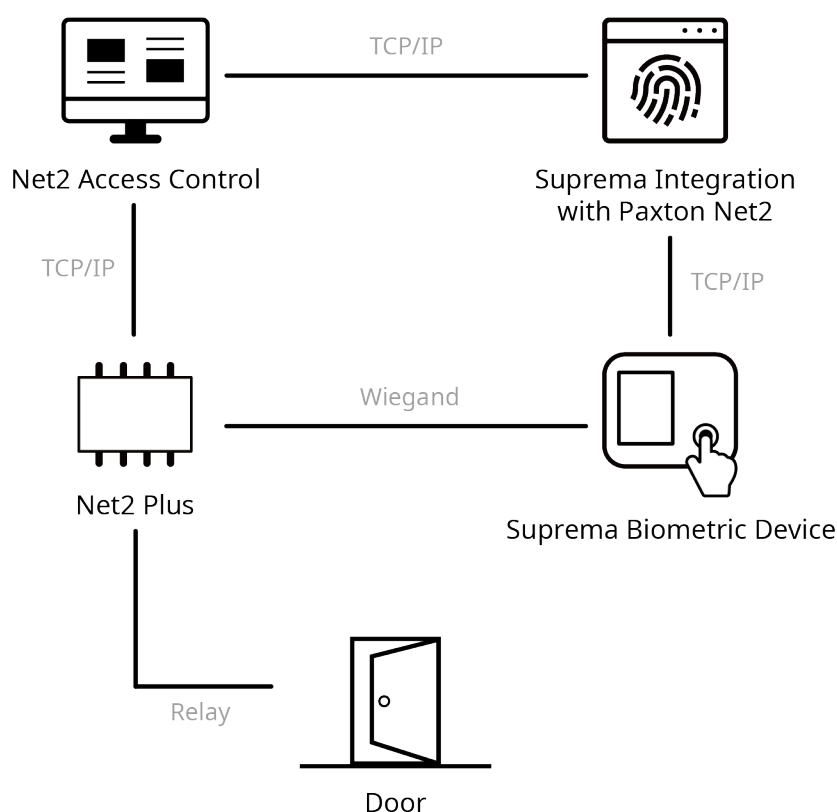
Suprema Integration with Paxton Net2 provides the following features.

- **Enable Biometrics:** Not only the RFID cards and PINs but also fingerprints and face as credentials.
- **Easy User Management:** No need to register or manage users separately because user data on Net2 Access Control system is synchronized in real time.
- **Easy Enrollment and Management:** Allows to register the user's credentials directly from the device.
- **Enterprise-level Configuration:** Allows to connect and manage up to 1,000 Biometric Devices.

### NOTE

- For more details on the functionality of Paxton Net2 access control system, see the user manuals for Net2.

## System diagram



# Installation

## System Environment

Suprema Integration with Paxton Net2 operates normally in the same system environment as Paxton Net2. You can find the minimum system requirements for Paxton Net2 at <https://www.paxton-access.com/systems/net2/access-control-software/net2-software-compatibility-and-support/>. Check the support conditions before installing the Suprema Integration with Paxton Net2.

## Compatible Systems and Devices

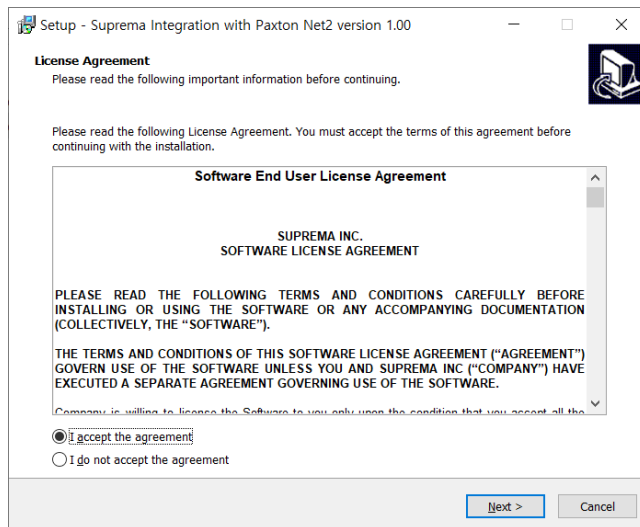
- Operating System
  - Microsoft Windows 8 or later
- Paxton Net2 Access Control
  - V6.01.8319.4827
- Suprema Biometric Device
  - FaceStation 2, FaceLite, BioStation 2, BioStation A2, BioStation L2, BioLite N2, BioEntry W2, BioEntry P2
- USB Fingerprint Scanner
  - BioMini Plus 2

## Installing the Suprema Integration with Paxton Net2

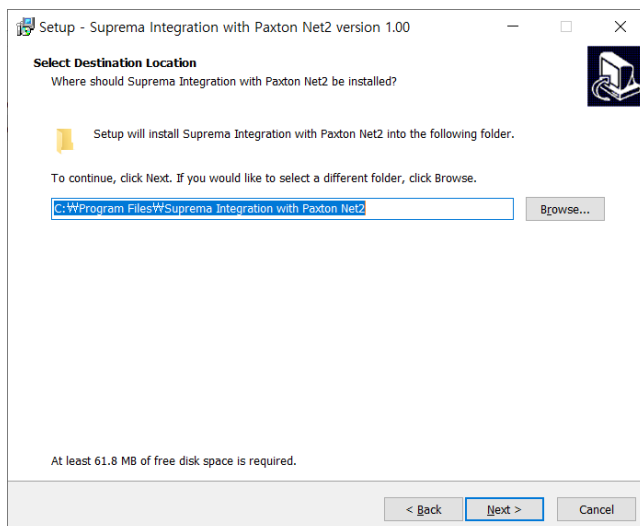
### NOTE

- This section describes how to install the Suprema Integration with Paxton Net2. For more details on the installation of the Paxton Net2 System, see the manuals for the Net2.

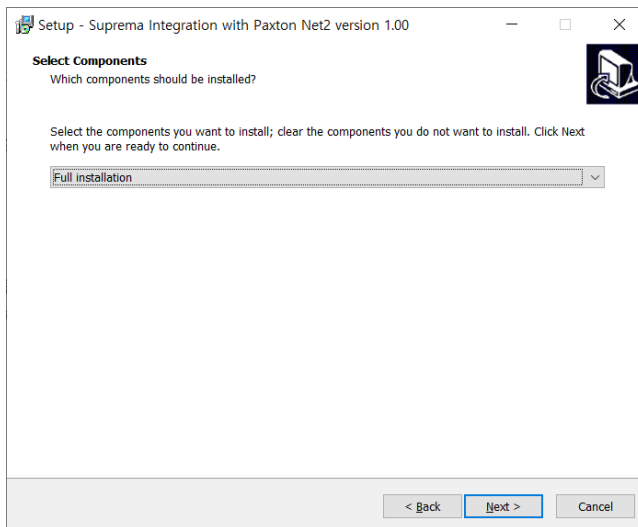
- 1 Run the downloaded setup program.  
(ex. 'Setup.for.suprema.integration.with.paxton.net2.x64.x.xxx')
- 2 To continue the installation, select **I accept the agreement** and click **Next**.



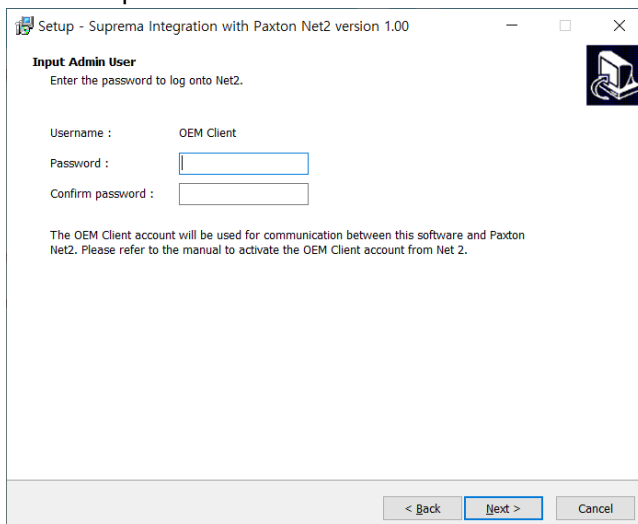
- 3 Click **Next** after setting a path for Suprema Integration with Paxton Net2 to be installed.



#### 4 Click **Next** after selecting the components to install.



#### 5 Enter the password for OEM Client account and click **Next**.

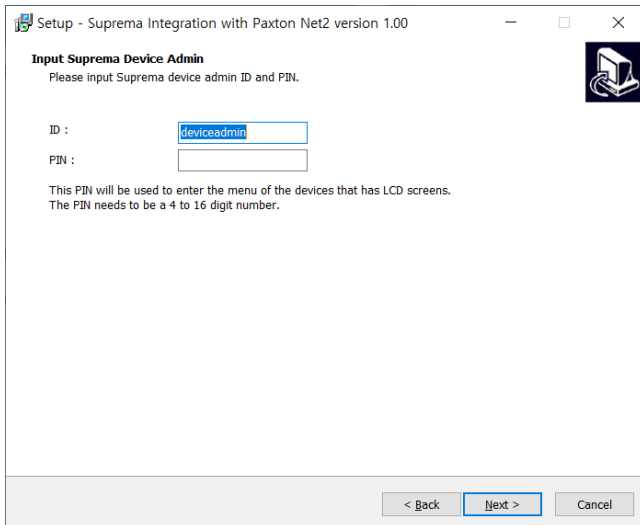


#### NOTE

- The OEM Client account must be set up to sync user information stored in Net2 Access Control. Activate the OEM client account by referring to [Activate the Paxton Net2 OEM Client](#).



- 6 Enter the Suprema device admin ID and PIN, and then click **Next**. The ID and PIN set in this step will be used when you log in to Suprema Integration with Paxton Net2 or to access the devices.



Setup - Suprema Integration with Paxton Net2 version 1.00

**Input Suprema Device Admin**  
Please input Suprema device admin ID and PIN.

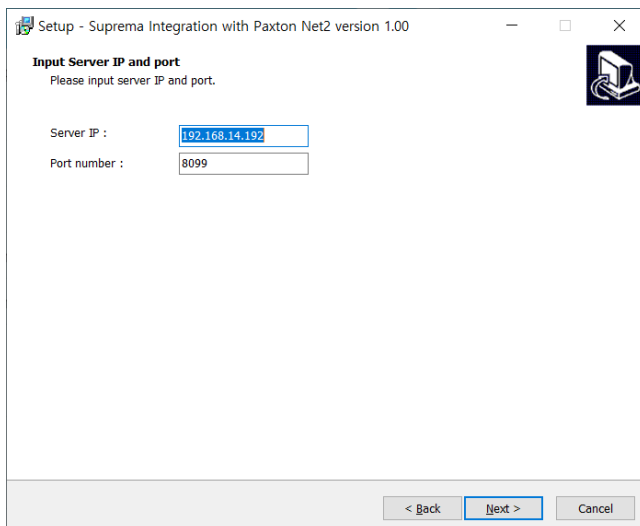
ID :

PIN :

This PIN will be used to enter the menu of the devices that has LCD screens.  
The PIN needs to be a 4 to 16 digit number.

< Back Next > Cancel

- 7 Input the server IP and port number.



Setup - Suprema Integration with Paxton Net2 version 1.00

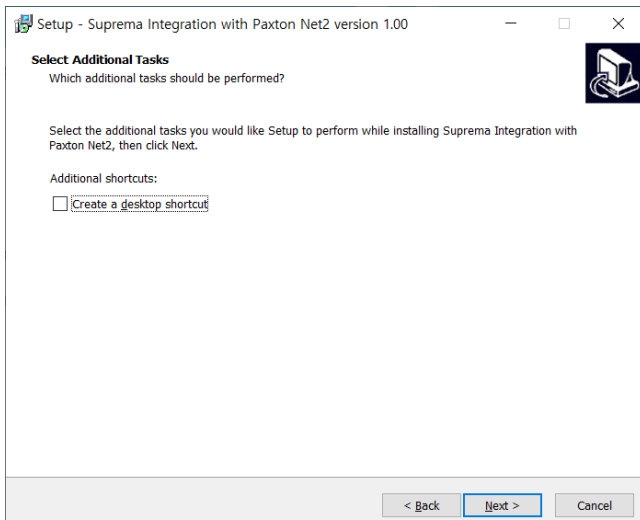
**Input Server IP and port**  
Please input server IP and port.

Server IP :

Port number :

< Back Next > Cancel

- 8 To create a shortcut on the desktop, select **Create a desktop shortcut** and click **Next**.



Setup - Suprema Integration with Paxton Net2 version 1.00

**Select Additional Tasks**  
Which additional tasks should be performed?

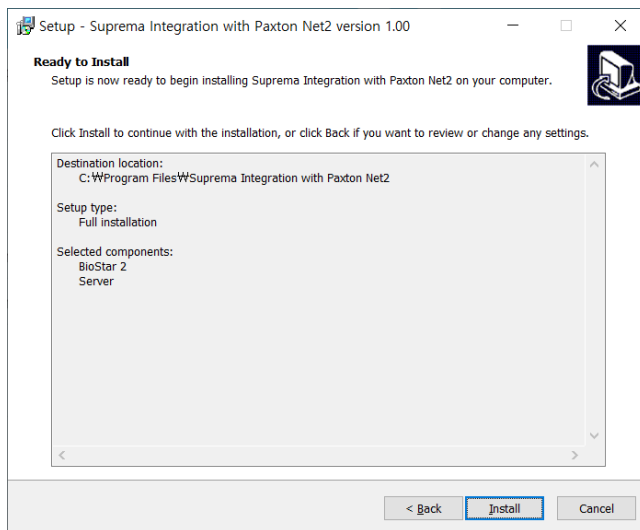
Select the additional tasks you would like Setup to perform while installing Suprema Integration with Paxton Net2, then click Next.

Additional shortcuts:

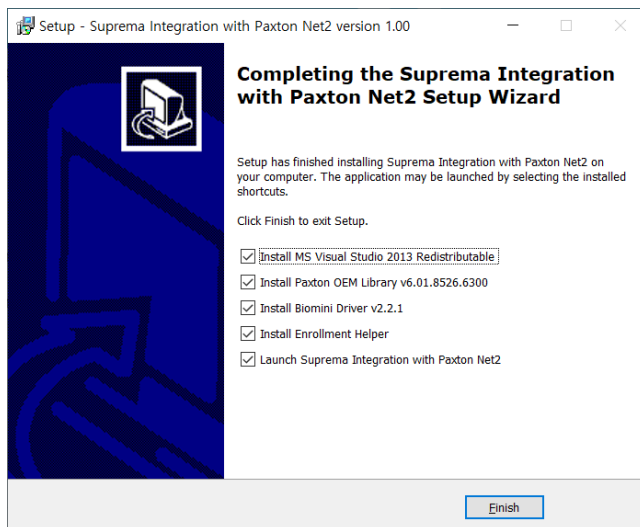
☐ Create a desktop shortcut

< Back Next > Cancel

## 9 If ready to install, click **Install**.



## 10 Select whether to install additional program and click **Finish**.



### NOTE

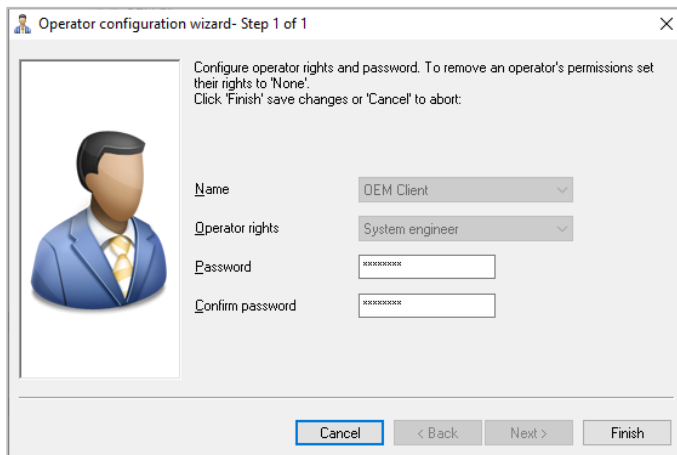
- If you install the Enrollment Helper, you can also enroll fingerprints by opening a window for fingerprint enrollment directly from the Net2 Access Control system. For more information on the Enrollment Helper, refer to [Enrollment Helper Client](#).

# Getting started

## Activate the Paxton Net2 OEM Client

In order to use Suprema Integration with Paxton Net2, you must first activate the OEM Client on Paxton Net2.

- 1 Run **Net2 Access Control**.
- 2 Click **Net2 operators** and double-click **OEM Client**.
- 3 Enter the desired password in the **Password** and **Confirm password** field.



Operator configuration wizard- Step 1 of 1

Configure operator rights and password. To remove an operator's permissions set their rights to 'None'. Click 'Finish' save changes or 'Cancel' to abort:

Name: OEM Client

Operator rights: System engineer

Password: [masked]

Confirm password: [masked]

Buttons: Cancel, < Back, Next >, Finish

- 4 Click **Finish** to activate the OEM Client.

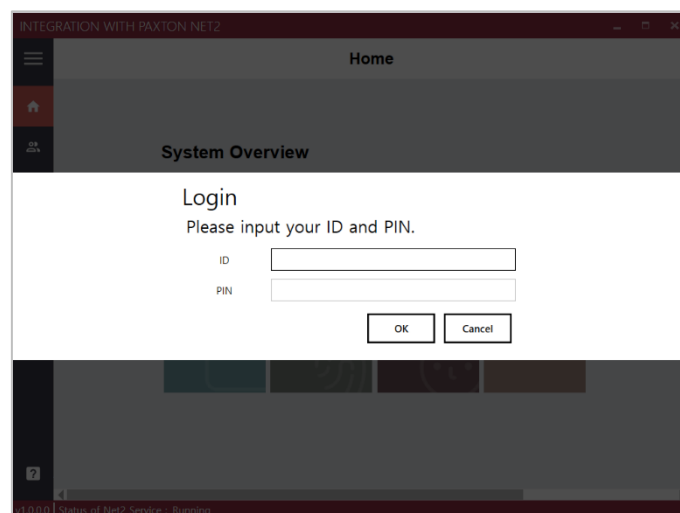
### NOTE

- For more details on the Net2 Access Control system, see the manuals for the Net2.

## Login

Log in with the device administrator account.

The ID is '**deviceadmin**', and PIN is the password you set when you installed Suprema Integration with Paxton Net2.



INTEGRATION WITH PAXTON NET2

Home

System Overview

Login

Please input your ID and PIN.

ID: [input field]

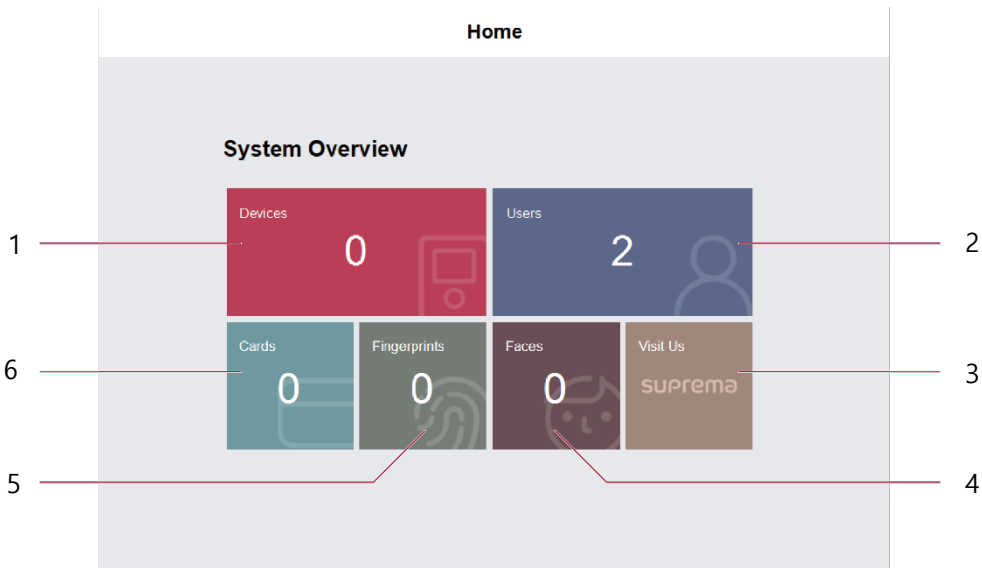
PIN: [input field]

Buttons: OK, Cancel

Status bar: v1.0.0.0 | Status of Net2 Service: Running

## Home

The **Home** menu is the starting point for accessing all menus of the Suprema Integration with Paxton Net2. You can also check the number of registered devices, users, faces, fingerprints, and cards.



1	You can view the number of connected devices.	4	You can view the number of registered faces.
2	You can view the number of registered users.	5	You can view the number of registered fingerprints.
3	You can access the Suprema website.	6	You can view the number of registered cards.

# Devices

## Devices Overview


You can use the Devices menu to add, delete or edit registered devices, fetch the user information registered within the device to the server or upgrade the firmware.

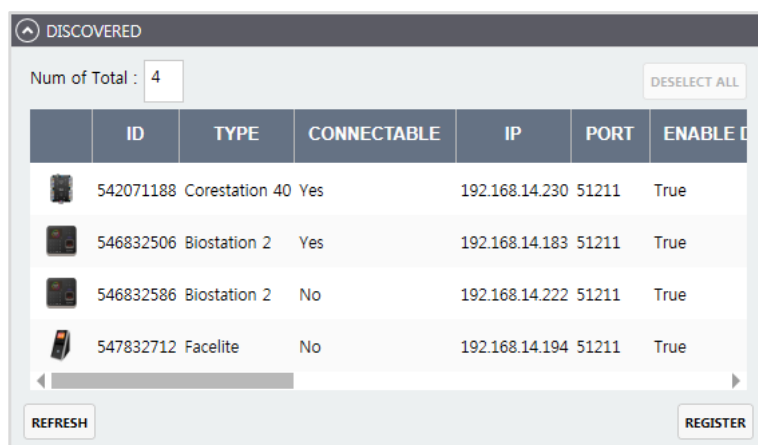
- **Search Device:** You can search for devices connected to Suprema Integration with Paxton Net2 and register them.
- **Add Device:** You can add a device by entering the IP of the device.
- **View Users:** You can see a list of users stored on devices.
- **Resend Config:** You can apply device settings configured in the **Settings** menu to devices.
- **Upgrade F/W:** You can upgrade the device's firmware.
- **Connect:** You can reconnect the selected device to the Suprema Integration with Paxton Net2.
- **Remove:** You can remove the selected device from the Suprema Integration with Paxton Net2.

## Adding the Device

### Search and Registration

You can automatically search for devices connected to Suprema Integration with Paxton Net2 and register them. Before searching for devices, check whether they are correctly connected. When adding multiple devices at once, it will be more convenient to know the ID, Type and IP address information of each device in advance.

- 1 Click  to move to the **Devices** menu.
- 2 Click **Search Device**. All available devices will appear.




The screenshot shows a window titled "DISCOVERED" with a "Num of Total : 4" indicator and a "DESELECT ALL" button. Below is a table with columns: ID, TYPE, CONNECTABLE, IP, PORT, and ENABLE. The table lists four devices: Corestation 40, Biostation 2, Biostation 2, and Facelite. At the bottom are "REFRESH" and "REGISTER" buttons.

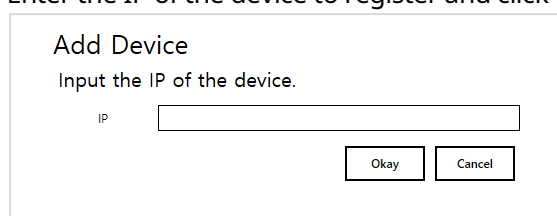
ID	TYPE	CONNECTABLE	IP	PORT	ENABLE
542071188	Corestation 40	Yes	192.168.14.230	51211	True
546832506	Biostation 2	Yes	192.168.14.183	51211	True
546832586	Biostation 2	No	192.168.14.222	51211	True
547832712	Facelite	No	192.168.14.194	51211	True

- 3 Select the device to connect and click **REGISTER**.

### Enter the Device IP

You can add a device by entering the IP of the device.

- 1 Click  to move to the **Devices** menu.
- 2 Click **Add Device**.
- 3 Enter the IP of the device to register and click **Okay**.



The screenshot shows a dialog box titled "Add Device" with the instruction "Input the IP of the device." Below this is a text input field labeled "IP" and two buttons: "Okay" and "Cancel".


- 4 Click **Okay**.

















#### NOTE



- Up to 1,000 biometric devices can be connected.

## Upload Users Registered from Devices

You can view the list of users stored on the device and import the users to the server.

- 1 Click  to move to the **Devices** menu.
- 2 Click a device to view the list of users.
- 3 Select all users to upload to the server and click **Upload from the device**.

	USER ID	NAME					EXPIRED AT	DISABLED	ACCESSIBLE
	manager	manager	0	0	0	False	12 31, 2030 11:59	false	<input type="checkbox"/>
	deviceadmin	deviceadmin	0	0	0	True	12 31, 2030 11:59	false	<input checked="" type="checkbox"/>
	201	ky	0	2	0	False	12 31, 2030 11:59	false	<input type="checkbox"/>
	200		1	1	0	False	12 31, 2030 11:59	false	<input type="checkbox"/>
	33	AAA	0	2	0	False	12 31, 2030 11:59	false	<input type="checkbox"/>
	6	9093	1	0	0	False	12 31, 2030 11:59	false	<input checked="" type="checkbox"/>
	5	9092	1	0	0	False	12 31, 2030 11:59	false	<input checked="" type="checkbox"/>
	4	9091	1	0	0	False	12 31, 2030 11:59	false	<input checked="" type="checkbox"/>
	3	9090	1	0	0	False	12 31, 2030 11:59	false	<input checked="" type="checkbox"/>
	2	JaceyRyu	0	0	0	False	12 31, 2030 11:59	false	<input checked="" type="checkbox"/>
	1	SimbaPark	0	0	0	False	12 31, 2030 11:59	false	<input checked="" type="checkbox"/>
	0909		0	1	0	True	12 31, 2030 11:59	false	<input type="checkbox"/>

 Refresh
  Upload from the device

## Editing Device Settings and Information

You can edit detailed information of registered devices.

- 1 Double-click the device to edit. Or, Right-click on the device and click **Config Device**.
- 2 Edit the necessary fields of the INFORMATION, AUTHENTICATION, and NETWORK.

The screenshot shows a configuration window for a device. It is divided into three main sections, each with a red line and a number pointing to it:

- 1 INFORMATION:** This section contains fields for Name (with a RENAME button), Device Type (set to Biostation 2), Device ID (546832506), and Firmware ver. (1.8.0(2019/08/06 02:37:57)).
- 2 AUTHENTICATION:** This section contains radio button options for authentication modes: Card or Biometrics, Biometric Only, Card Only, Biometric + PIN, Card + PIN or Biometric + PIN, Card + PIN or Biometric, Card or Biometric + PIN, Card + Biometric, Card + PIN, and Card + Biometric + PIN.
- 3 NETWORK:** This section contains fields for DHCP (checked Use), IP Address (192.168.14.221), Subnet Mask (255.255.255.0), Gateway (192.168.14.1), Device Port (51211), Direction (radio buttons for Server to Device and Device to Server), Server Address, and Server Port (51212). An APPLY button is at the bottom right.

No.	Item	Description
1	INFORMATION	<p>You can edit the name of the device or see the device information.</p> <ul style="list-style-type: none"> <li>• <b>Name:</b> Enter a device name.</li> <li>• <b>Device Type:</b> View the device type.</li> <li>• <b>Device ID:</b> View the device ID.</li> <li>• <b>Firmware ver.:</b> View the kernel version.</li> </ul>
2	AUTHENTICATION	<p>You can configure the authentication modes of the device.</p>
3	NETWORK	<p>You can configure the connection settings.</p> <ul style="list-style-type: none"> <li>• <b>DHCP:</b> Select this option to allow the device to use a dynamic IP address.</li> <li>• <b>IP Address:</b> Enter network settings of the device.</li> <li>• <b>Subnet Mask:</b> Enter network settings of the device.</li> <li>• <b>Gateway:</b> Enter network settings of the device.</li> <li>• <b>Device Port:</b> Enter a port to be used by the device.</li> <li>• <b>Direction:</b> Select the direction.</li> <li>• <b>Server Address:</b> Enter the IP address of the Suprema Integration with Paxton Net2 server.</li> <li>• <b>Server Port:</b> Enter the port number of the Suprema Integration with Paxton Net2 server.</li> </ul>

- 3 Click **APPLY** to save the settings.




## Resend Configuration

You can apply device settings configured in the **Settings** menu to devices.

### NOTE


- Make sure that **Global Device Configuration** is set up correctly before running **Resend Config**.

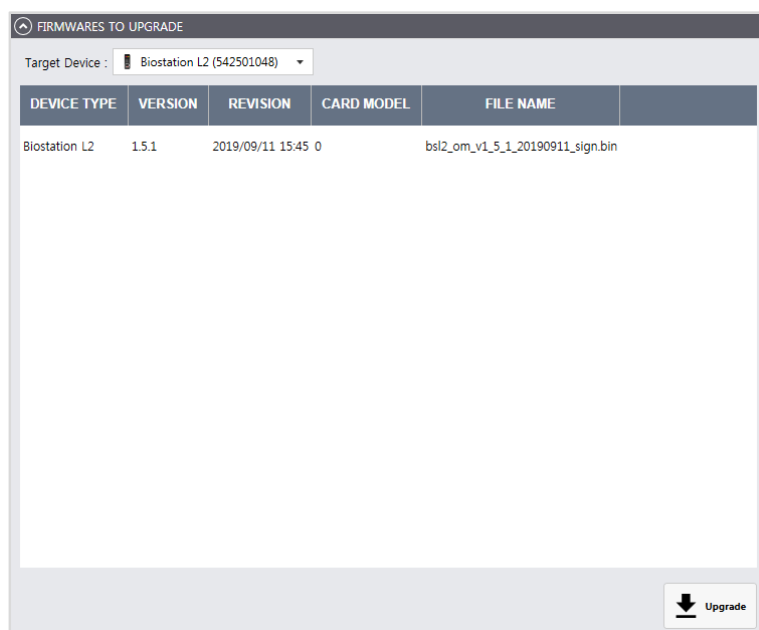
- Click  to move to the **Devices** menu.
- Click a device to apply settings and click **Resend Config**.  
If you click **Resend Config** with nothing selected, the settings are applied to all devices.

## Upgrade F/W

You can easily upgrade the firmware on any device connected to Suprema Integration with Paxton Net2 without any additional connection or action.


Copy the firmware files that you have downloaded to the following folder. If the folder does not exist, you need to create it.

- Click  to move to the **Devices** menu.
- Select a device and click **Upgrade F/W**.
- Select the firmware file and click **Upgrade**.




## Connect Device

You can reconnect the selected device from the Suprema Integration with Paxton Net2.

- Click  to move to the **Devices** menu.
- Select devices to reconnect and click **Connect**.


## Remove Device

You can delete the selected device from the list.

- 1 Click  to move to the **Devices** menu.
- 2 Select devices to delete and click **Remove**.

## Other Settings

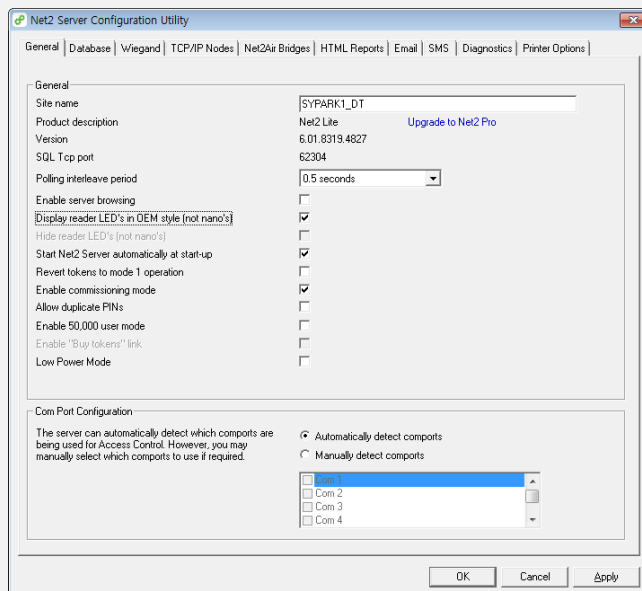
You can reboot or reset to factory default by selecting individual devices. You can also edit other settings, such as a lock or unlock the device.

- 1 Click  to move to the **Devices** menu.
- 2 Right-click the device for which you want to edit the settings.
- 3 Select and set the item to edit.
  - **Rename:** You can change the device name.
  - **Reboot:** You can restart the device.
  - **Here I am:** You can check the location of the device by making a sound on the selected device.
  - **Lock:** You can lock the device. When a device is locked, the user cannot authenticate on that device.
  - **Unlock:** You can unlock the device.
  - **All alarms off:** You can turn off all alarms on the device.
  - **Factory Reset:** You can delete all data and root certificate on the device and reset the settings. The network settings will not be reset.
  - **Config Device:** You can edit the device settings.

### NOTE

- You can set the LED status indicator on the Suprema devices to output the same color as other devices of the Net2 Access Control system for the access granted/denied events.

1. Click  **Start > All programs > Net2 Access Control > Net2 Configuration Utility**.



2. Click **General** tab > **Display reader LED's in OEM style (not nano's)**.
3. Click **Apply** to save the setting.

# Users

## Users Overview

The list of users registered in the Paxton Net2 Access Control system is automatically synchronized to Suprema Integration with Paxton Net2. You can register various credentials by selecting a user from the **Users** menu in Suprema Integration with Paxton Net2.

Users							
Search...							
	ID	NAME					
	1	Simba Park	0	0	0	False	1 15, 2020 02:27 오후
	2	Jacey Ryu	1	0	0	False	1 15, 2020 02:46 오후
	3	9090	1	0	0	False	1 29, 2020 11:02 오전
	4	9091	1	0	0	False	1 29, 2020 11:04 오전
	5	9092	1	0	0	False	1 29, 2020 11:05 오전
	6	9093	1	0	0	False	1 29, 2020 11:09 오전
	1003	Chloe	0	0	0	False	5 14, 2020 11:35 오전

- **Search...:** You can search for users by entering the user name or ID.
- **Get All users from Net2:** You can manually import user data stored in the Net2 Access Control system.
- **Resend to All Devices:** You can send users to all devices connected to Suprema Integration with Paxton Net2.
- **Manage Cards:** You can select the card value to communicate with Net2 via Wiegand.
- **Manage Fingerprints:** You can add, edit, or delete a user's fingerprint template.
- **Manage Faces:** You can add, edit, or delete a user's face template.
- **Manage Pin:** You can add, edit, or delete a user's Pin.

## Select Card

When a user authenticates with a biometric credential on the device, Suprema Integration with Paxton Net2 sends that user's card ID to Paxton Net2 via Wiegand. Select the card you want to send to Net2.


- 1 Add users on the **Net2 Access Control** system.
- 2 Click to move to the **Users** menu.
- 3 Select users and click **Manage Cards**.
- 4 Select the output card.

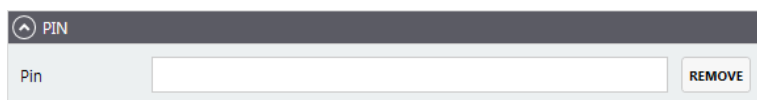
CARDS

Output Card ▼

- 5 Click **APPLY** to save the settings.

## Enroll Pin

- 1 Add users on the **Net2 Access Control** system.
- 2 Click  to move to the **Users** menu.
- 3 Select users and click **Manage Pin**.
- 4 Enter a PIN to use.



The interface shows a dark header with a back arrow and the text 'PIN'. Below the header is a light gray box containing a label 'Pin' next to a text input field. To the right of the input field is a button labeled 'REMOVE'.

- 5 Click **APPLY** to save the settings.

## Enroll Fingerprint


In Suprema Integration with Paxton Net2 server, you can enroll user's fingerprints by selecting the device or USB fingerprint scanner. Or, you can also select the user on the device with an LCD display to enroll the fingerprint directly.

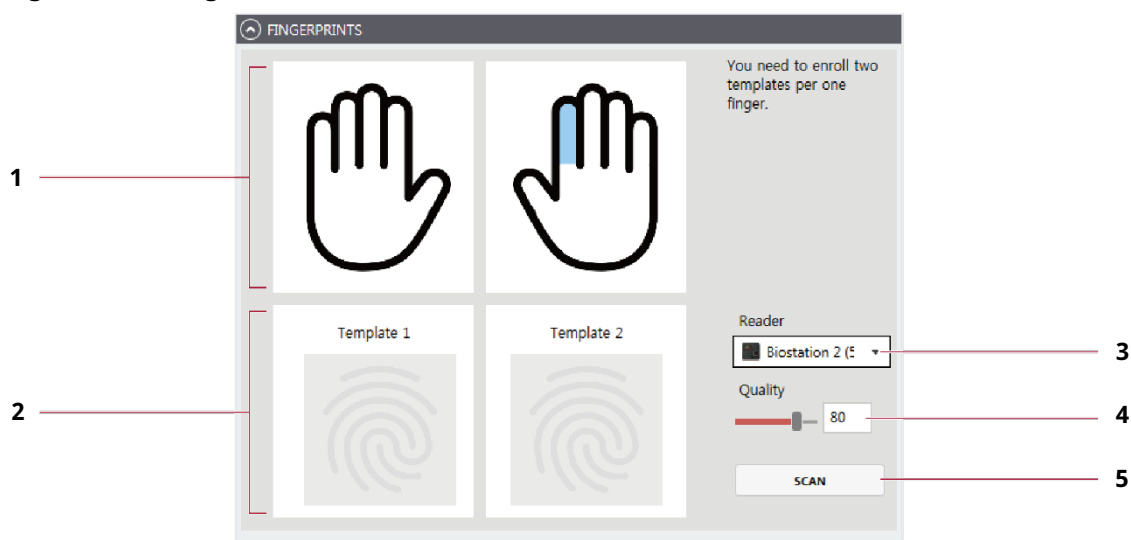
Whether you enroll the fingerprint on a server or on a specific device, that user's information is synchronized in real time on all devices connected to Suprema Integration with Paxton Net2.

### NOTE

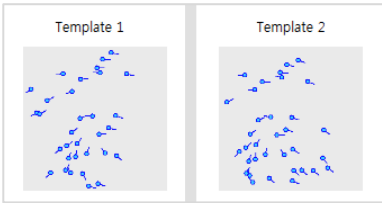
- You can register up to 10 fingerprints per user.
- If the fingerprint authentication rate is low, delete the existing fingerprint information and add a new fingerprint.
- For best fingerprint scanning quality, make sure to cover the entire surface of the fingerprint sensor with the finger. We recommend using the index finger or the middle finger.

## Server

- 1 Add users on the **Net2 Access Control** system.
- 2 Click  to move to the **Users** menu.
- 3 Select a user and click **Manage Fingerprints**.
- 4 Configure the settings.



The interface is titled 'FINGERPRINTS' in a dark header. It features a 2x2 grid of hand icons for enrollment. Below the grid are two boxes labeled 'Template 1' and 'Template 2', each containing a fingerprint scan image. To the right of the grid is a text box stating: 'You need to enroll two templates per one finger.' Below this, there are settings for 'Reader' (a dropdown menu showing 'Biostation 2 (5)'), 'Quality' (a slider set to 80), and a 'SCAN' button. Numbered callouts point to specific elements: 1 points to the left side of the hand icons; 2 points to the bottom of the hand icons; 3 points to the 'Reader' dropdown; 4 points to the 'Quality' slider; and 5 points to the 'SCAN' button.




No.	Item	Description
1	Finger Selection	Select a finger from image to enroll a fingerprint.
2	Fingerprint Image	<p>This section shows the analysis of the fingerprint enrolled.</p> 
3	Reader	<p>Select a device or USB fingerprint scanner to enroll the fingerprint with.</p> <p><b>NOTE</b></p> <ul style="list-style-type: none"> <li>Only devices connected to Suprema Integration with Paxton Net2 are displayed in the <b>Reader</b> list. Register the device first by referring to <a href="#">Search and Registration</a> and then enroll fingerprints.</li> </ul>
4	Quality	Select a fingerprint enrollment quality level. Any fingerprint which does not meet the quality requirement will not be enrolled.
5	Scan	Click <b>SCAN</b> and then place a finger on the fingerprint scanner or the device sensor.

**5** Click **APPLY** to enroll the fingerprint.

## Device

### NOTE

- This section uses the BioStation A2 as an example. The user interface such as the name of functions and the shape of icons may be different for each device.
- For how to register the fingerprint of each device, refer to the user guide of the device.

- 1 Add users on the **Net2 Access Control** system.  
You can view the added user in the user list of the device connected to Suprema Integration with Paxton Net2.
- 2 On the device, press  and authenticate with the Admin level credential.
- 3 Press **User** and select a user to add a fingerprint.
- 4 Press  and **Fingerprint**.
- 5 Press  and enroll the fingerprint. Scan the fingerprint of a finger you wish to enroll, and then scan the fingerprint of the same finger again.

## Enroll Face


In Suprema Integration with Paxton Net2 server, you can enroll user's face by selecting the device. Or, you can also select the user on the device with an LCD display to enroll the face directly.

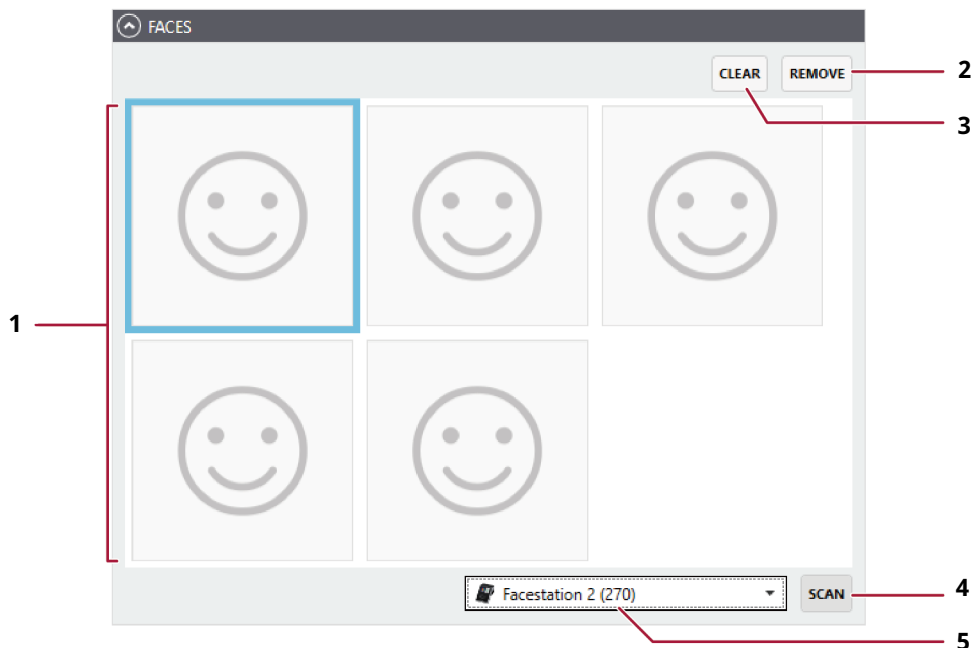
Whether you enroll the face on a server or on a specific device, that user's information is synchronized in real time on all devices connected to Suprema Integration with Paxton Net2.

### NOTE

- You can register up to 5 face templates per user.
- If the face authentication rate is low, delete the existing face information and add a new face.
- When registering a face, maintain a distance of 40cm to 80cm between the device and the face.
- Be careful not to change the facial expression. (smiling face, drawn face, wink, etc.)
- If you do not follow the instructions on the screen, the face registration may take longer or may fail.
- Be careful not to cover the eyes or eyebrows.
- Do not wear hats, masks, sunglasses or eyeglasses.
- Be careful not to display two faces on the screen. Register one person at a time.
- It is recommended for a user wearing glasses to register both faces with and without glasses.

## Server

- 1 Add users on the **Net2 Access Control** system.
- 2 Click  to move to the **Users** menu.
- 3 Select a user and click **Manage Faces**.
- 4 Configure the settings.



No.	Item	Description
1	Face Image	Select the face.
2	Remove	Delete the selected face template.
3	Clear	Delete all registered face templates.
4	Scan	Click <b>SCAN</b> and then follow the instructions on the device screen to scan.

5	Device	Select a device to enroll the face with.
---	--------	--

**5** Click **APPLY** to enroll the face.

## Device


### NOTE

- This section uses the FaceLite as an example. The user interface such as the name of functions and the shape of icons may be different for each device.
- For how to register the face of each device, refer to the user guide of the device.

- 1** Add users on the **Net2 Access Control** system.  
You can view the added user in the user list of the device connected to Suprema Integration with Paxton Net2.
- 2** Press **ESC** and authenticate with the Admin level credential.
- 3** Select **USER > Search User** and press **OK**.
- 4** Select a user to add a face.
- 5** Press **Edit > OK** and select **Face > OK**.
- 6** Press **+ Add Face > OK**.
- 7** Register a face according to the instructions on the screen.
- 8** Press **Apply** to enroll the face.


## Resend to All Devices

You can send users to all devices connected to Suprema Integration with Paxton Net2.

- 1** Add users on the **Net2 Access Control** system.
- 2** Click  to move to the **Users** menu.
- 3** Select users to send and click **Resend to All Devices**.
- 4** Check the list of users on the device.

# Monitoring

You can use the Monitoring menu to view lists of events that occurred on device.

- 1 Click  to move to the **Monitoring** menu.
- 2 Check the list of events.  
Click **Refresh** to refresh the list of events.


Monitoring					
	DATETIME	EVENT	USER ID(CARD ID)	DEVICE	INDEX
	5/29, 2020 12:27 오후	Device time changed		546832506	5460
	5/29, 2020 12:27 오후	Device time changed		546832506	5459
	5/29, 2020 12:26 오후	User update succeeded	1	546832506	5458
	5/29, 2020 12:26 오후	User update succeeded	2	546832506	5457
	5/29, 2020 12:26 오후	User update succeeded	3	546832506	5456
	5/29, 2020 12:26 오후	User update succeeded	4	546832506	5455
	5/29, 2020 12:26 오후	User update succeeded	5	546832506	5454
	5/29, 2020 12:26 오후	User update succeeded	6	546832506	5453

 Refresh

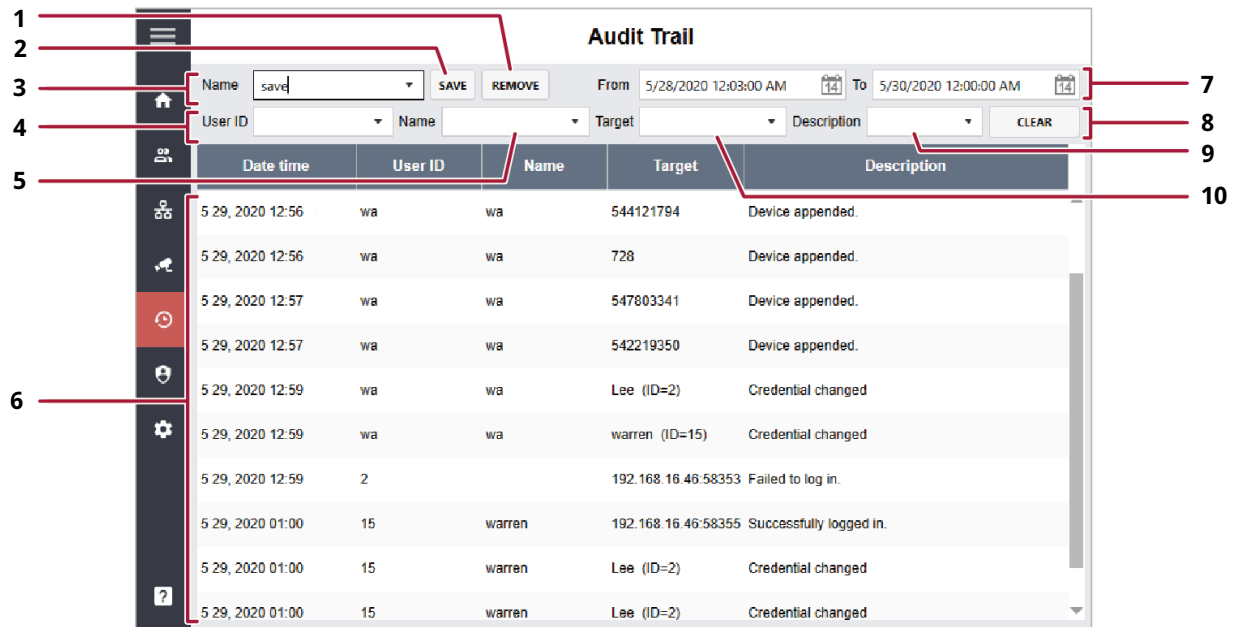


# Audit Trail

Audit trail tracks user access information as well as all the information changed in the system. You can set a filter for each item for sorting.

1 Click  to move to the **Audit Trail** menu.

2 Configure the filters.




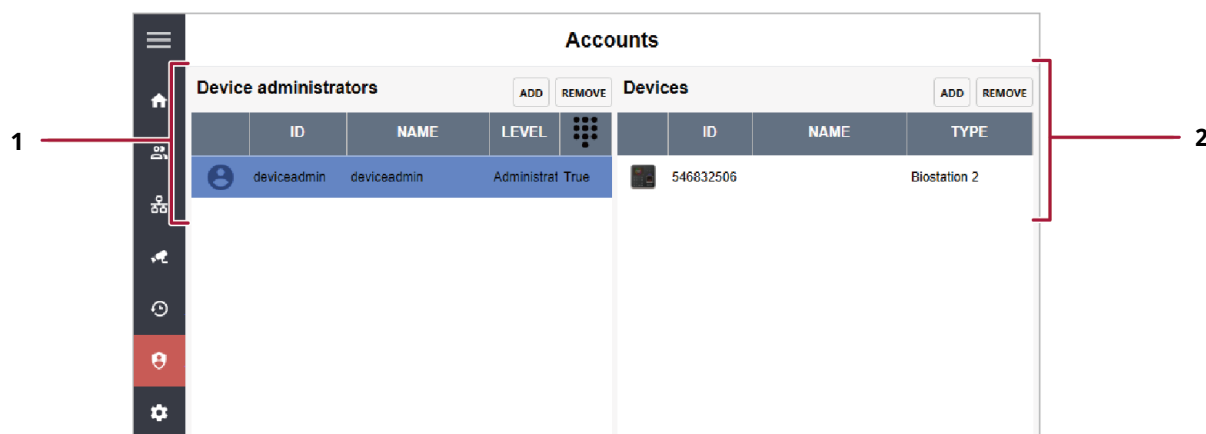
The screenshot shows the 'Audit Trail' interface. It features a sidebar on the left with various icons, including a gear icon for settings and a clock icon for the audit trail. The main area displays a table of audit logs. The table has columns for 'Date time', 'User ID', 'Name', 'Target', and 'Description'. The logs show various events such as 'Device appended', 'Credential changed', and 'Failed to log in'. The interface includes filter configuration options at the top, such as 'Name', 'User ID', 'Name', 'Target', and 'Description', each with a dropdown menu. There are also buttons for 'SAVE', 'REMOVE', 'From', 'To', and 'CLEAR'.

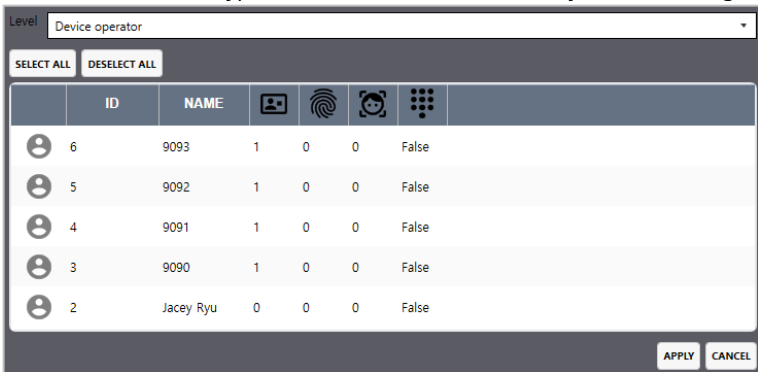
No.	Item	Description
1	REMOVE	You can remove the applied filter. Click <b>REMOVE</b> to remove the filter.
2	SAVE	You can set conditions for each filter item. Click <b>Save</b> to save the filter.
3	Name	If the filter is already saved, you can select the filter to sort the audit trail list.
4	User ID	You can select the user ID to sort the audit trail list.
5	Name	You can select the name to sort the audit trail list.
6	Audit List	Shows the audit list.
7	Period	You can set the period to sort the audit trail list.
8	CLEAR	You can clear the set filter.
9	Description	You can select the description to sort the audit trail list.
10	Target	You can select the target to sort the audit trail list.

# Accounts

You can assign administrator account levels to registered users.


- 1 Click  to move to the **Accounts** menu.
- 2 Configure the settings.



No.	Item	Description
1	Device administrators	<p>A list of administrators registered with Suprema Integration with Paxton Net2 is displayed. If the pin is set in the administrator account, the administrator can log in directly to Suprema Integration with Paxton Net2.</p> <ul style="list-style-type: none"> <li><b>ADD:</b> You can assign the administrator level by selecting a user. Select an account level type, then click on the user to whom you want to assign that level.</li> </ul>  <p>Click <b>APPLY</b> to save the settings.</p> <p><b>NOTE</b></p> <ul style="list-style-type: none"> <li>The administrator account levels are as follows: <ul style="list-style-type: none"> <li><b>Administrator:</b> Users can access and use all menus.</li> <li><b>Device Operator:</b> If a PIN is registered with the user, the user can log in to Suprema Integration with Paxton Net2. Also, users can register user accounts in the client system and configure device settings by accessing devices.</li> <li><b>User Operator:</b> If a PIN is registered with the user, the user can log in to Suprema Integration with Paxton Net2. Also, users can register user accounts in the client system and enroll users in devices.</li> </ul> </li> <li><b>REMOVE:</b> You can remove an administrator.</li> </ul>
2	Devices	<p>The list of devices that can be managed by the user selected in the Device administrator list is displayed.</p> <ul style="list-style-type: none"> <li><b>ADD:</b> You can add devices to the selected administrator.</li> </ul>

SELECT ALL

DESELECT ALL

	ID	NAME	TYPE	DIRECTION	IP	F
	547832712		Facelife	Server To Device	192.168.14.240	512'

APPLY

CANCEL


Click **APPLY** to save the settings.

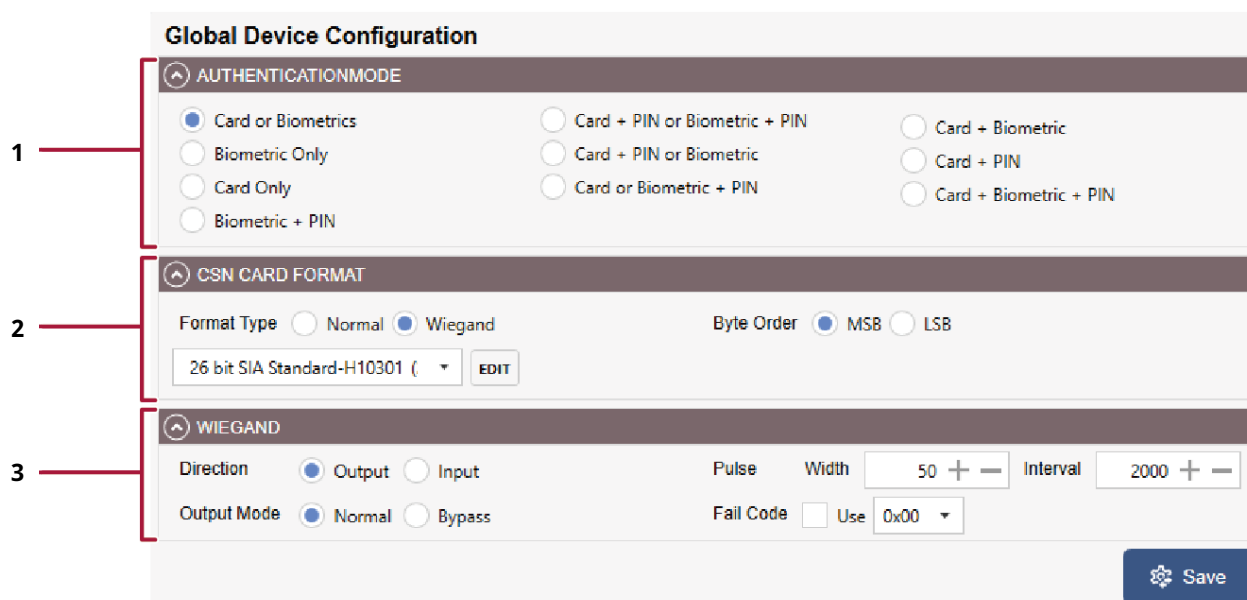
- **REMOVE:** You can remove the device from the selected administrator.

# Settings

## Global Device Configuration

You can edit detailed setting of registered devices.

- 1 Click  to move to the **Settings** menu.
- 2 Configure the settings.



**Global Device Configuration**

**AUTHENTICATIONMODE**

☒ Card or Biometrics
 ☐ Card + PIN or Biometric + PIN
 ☐ Card + Biometric

☐ Biometric Only
 ☐ Card + PIN or Biometric
 ☐ Card + PIN

☐ Card Only
 ☐ Card or Biometric + PIN
 ☐ Card + Biometric + PIN

☐ Biometric + PIN

**CSN CARD FORMAT**

Format Type ☐ Normal ☒ Wiegand Byte Order ☒ MSB ☐ LSB

26 bit SIA Standard-H10301 (  )

**WIEGAND**

Direction ☒ Output ☐ Input Pulse Width  Interval


Output Mode ☒ Normal ☐ Bypass Fail Code ☐ Use

No.	Item	Description
1	Authentication Mode	You can configure the authentication modes of the device. Suprema Integration with Paxton Net2 can use any combinations of biometric credentials, card, and PIN as authentication modes.
2	CSN Card Format	<p>You can set the CSN card format used by the device.</p> <ul style="list-style-type: none"> <li><b>Format Type:</b> If Format Type is set to <b>Normal</b>, the device will read the card serial number (CSN). If the option is set to <b>Wiegand</b>, the device will read the card serial number in a Wiegand format that the user has defined.</li> </ul> <p>If Format Type is set to <b>Wiegand</b>, you can set the Wiegand format to be used in the device. Click <b>EDIT</b> to edit the Wiegand format.</p> <p>You can configure the number of bits and rules for the Wiegand format directly in Suprema Integration with Paxton Net2, as in Net2 Access Control.</p> <ul style="list-style-type: none"> <li><b>Byte Order:</b> When Byte Order is set to <b>MSB</b>, the device reads a card ID from the highest byte to the lowest byte. When the option is set to <b>LSB</b>, the device reads a card ID from the lowest byte to the highest byte.</li> </ul>
3	Wiegand	<p>You can define the Wiegand Input/Output.</p> <ul style="list-style-type: none"> <li><b>Direction:</b> You can select input/output mode.</li> <li><b>Pulse Width:</b> You can set the pulse width of the Wiegand signal.</li> <li><b>Pulse Interval:</b> You can set the pulse interval of the Wiegand signal.</li> <li><b>Output Mode:</b> You can set the Wiegand signal output mode. If it is set to <b>Normal</b>, a card will be scanned in the set Wiegand format. If it is set to <b>Bypass</b>, CSN will be sent regardless of Wiegand authentication. <b>Bypass</b> should be set when using the device without an entrance door control function.</li> </ul> <p>If it is set to <b>Normal</b> mode, it is possible to set <b>Fail Code</b>, and select a value to be transmitted when Wiegand card authentication fails.</p>

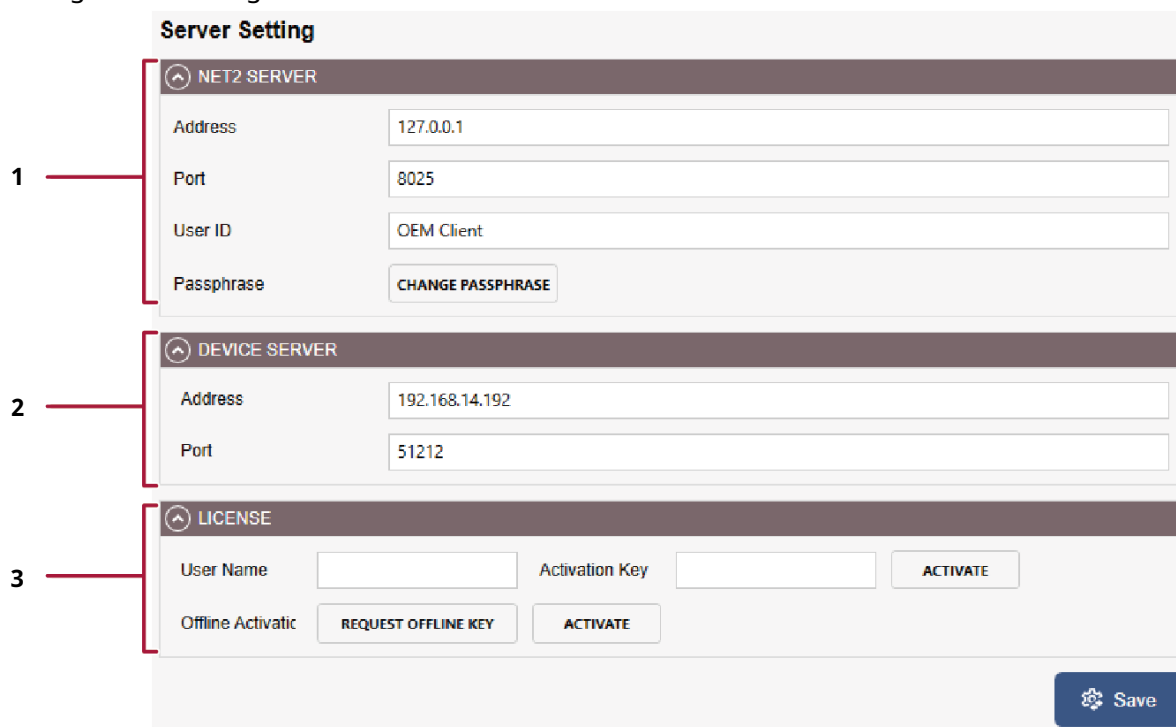
- 3 Click **Save** to save the settings.

## Server Setting

You can set up the network for connecting with Net2 Access Control and devices. You can also activate the purchased license.

**1** Click  to move to the **Settings** menu.

**2** Configure the settings.



**Server Setting**

**1** **NET2 SERVER**

Address: 127.0.0.1

Port: 8025

User ID: OEM Client

Passphrase: **CHANGE PASSPHRASE**

**2** **DEVICE SERVER**

Address: 192.168.14.192

Port: 51212

**3** **LICENSE**

User Name:  Activation Key:  **ACTIVATE**

Offline Activatic: **REQUEST OFFLINE KEY** **ACTIVATE**

**Save**

No.	Item	Description
1	Net2 Server	<ul style="list-style-type: none"> <li><b>Address:</b> Enter the IP address of the Net2 Access Control server.</li> <li><b>Port:</b> Enter the port number of the Net2 Access Control server.</li> <li><b>User ID:</b> Enter the operator ID of Suprema Integration with Paxton Net2.</li> <li><b>Passphrase:</b> If you changed the passphrase of the OEM Client in Net2 Access Control, click <b>CHANGE PASSPHRASE</b> to enter the changed passphrase.</li> </ul>
2	Device Server	<ul style="list-style-type: none"> <li><b>Address:</b> Enter the IP address to be used by the device.</li> <li><b>Port:</b> Enter the port number to be used by the device.</li> </ul>
3	License	<ul style="list-style-type: none"> <li><b>User Name:</b> Enter the user name.</li> <li><b>Activation Key:</b> Enter the activation key that you've received from the Suprema local distributor.</li> </ul> <p><b>NOTE</b></p> <ul style="list-style-type: none"> <li>To activate the license online, click <b>ACTIVATE</b> after entering your name and the activation key. To activate the license offline, click <b>REQUEST OFFLINE KEY</b>.</li> <li>You can find contact details of your local distributor on the Suprema website (<a href="https://www.supremainc.com/en/wheretobuy/list.asp">https://www.supremainc.com/en/wheretobuy/list.asp</a>).</li> </ul>

**3** Click **Save** to save the settings.

# Enrollment Helper Client

The Enrollment Helper provides an enrollment window for fingerprints and faces on the Net2 Access Control system. If you install the Enrollment Helper, you can enroll fingerprints and faces by opening a window for enrollment directly from the Net2 Access Control system.

## NOTE

- You can choose whether to install the Enrollment Helper when you install the Suprema Integration with Paxton Net2.

## Enroll Credentials with Enrollment Helper

You can enroll fingerprints and faces for both existing and new users.

### Enroll Credentials to Existing User

- 1 Run **Net2 Access Control**.
- 2 Click **Users** menu and select the user to enroll fingerprints or faces on the user list.
- 3 Click **Tokens** and then click **Add fingerprints**.

The screenshot shows the 'Users' management window with the 'Tokens' tab selected. The user 'Jacey Ryu' is selected. The 'Valid from' date is 2020-01-15. The 'Expires end' checkbox is unchecked, and the 'Never expires' option is selected. The 'Access rights' tab is also visible. The 'PIN' field is empty, and the 'Card template' is set to 'None'. The 'Add fingerprints' button is highlighted in the right-hand menu.

- 4 Click **Login** after entering the User ID and PIN.

The screenshot shows a 'Login' dialog box with the title 'Input your ID and PIN'. It contains two input fields: 'User ID' and 'PIN'. Below the input fields are three buttons: 'Setting', 'Login', and 'Cancel'.

**NOTE**

- A user can login with an account that has the administrator permission for Suprema Integration with Paxton Net2.
- Click **Setting** to change the host Address and port. And you can also choose whether to save tokens automatically. If you select **Save the token automatically** option, the automatically generated token will be registered in the Paxton Net2 system.

Setting

Change the host address and port.

Host Address: 192.168.14.192

Port: 8099

☒ Save the token automatically

Logout Apply Cancel

## 5 Enroll fingerprints by referring to **Enroll Fingerprint**. Or, Enroll faces by referring to **Enroll Face**.

The image shows two side-by-side enrollment windows from the Suprema Biometrics & Security software. Both windows have a header with 'Name : Jacey Ryu' and 'Token : 65538', and a 'Click for Tech Support' link. The left window is titled 'Fingerprint' and shows two hand icons for 'Template 1' and 'Template 2'. It includes a 'Reader' dropdown, a 'Quality' slider set to 80, and a 'Scan' button. The right window is titled 'Face' and shows five smiley face icons for face enrollment. It includes a 'Scan' button. Both windows have 'Cancel' and 'Add user' buttons at the bottom.

**NOTE**

- The user name and the value of the automatically generated token are displayed on the enrollment window.

Name : Jacey Ryu Token : 65538

Token values can be changed, but we recommend that you use auto-generated values to prevent duplicate values from being generated.

## 6 Click **Add user** to save the settings. The token generated for the credential is displayed on the Tokens tab.

The image shows the 'Tokens' tab in the Suprema Biometrics & Security software. It has tabs for 'Access rights', 'Tokens', 'Other details', 'Memo', 'Events', and 'Current validity'. The 'Tokens' tab is active, showing a 'PIN' field with 'Auto PIN' selected and a 'Card template' dropdown set to 'None'. Below this is a large area displaying a fingerprint icon and the token value '65538'. On the right side, there are buttons for 'New token', 'Delete', 'Lost token', 'Found token', 'Change token type', and 'Add fingerprints'.

## Enroll Credentials to New User

- 1 Run **Net2 Access Control**.
- 2 Click **Users** menu and double-click **+New user**.
- 3 Enter the user information to add and click **Add fingerprints**.

- 4 Click **Login** after entering the User ID and PIN.

### NOTE

- A user can login with an account that has the administrator permission for Suprema Integration with Paxton Net2.
- Click **Setting** to change the host Address and port. And you can also choose whether to save tokens automatically. If you select **Save the token automatically** option, the automatically generated token will be registered in the Paxton Net2 system.



**5** Enroll fingerprints by referring to **Enroll Fingerprint**. Or, Enroll faces by referring to **Enroll Face**.

**NOTE**

- The user name and the value of the automatically generated token are displayed on the enrollment window.

Name : Chloe Token 66541

Token values can be changed, but we recommend that you use auto-generated values to prevent duplicate values from being generated.

**6** Click **Add user** to save the settings.  
The token generated for the credential is displayed on the Tokens tab.

# Appendices

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