

BioStar 2 New Features V2.8.10 to V2.8.11

How can you find Webinar Contents?

1) Email

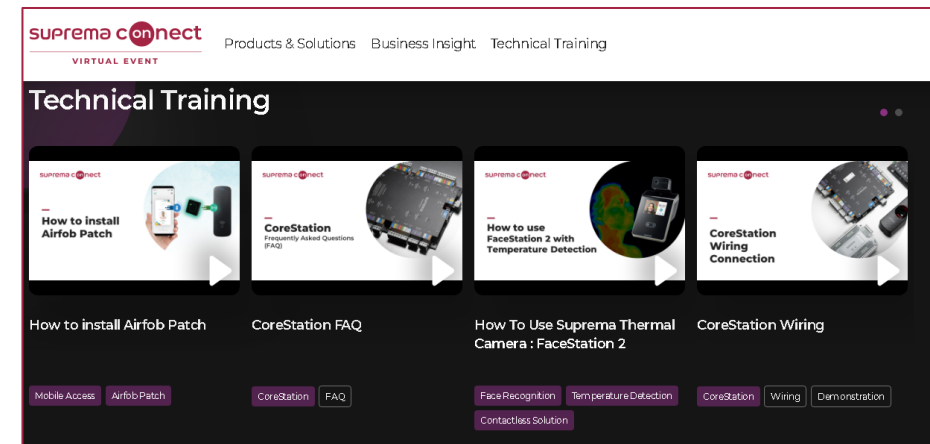
- ✓ Suprema Team will provide the presentation and the recorded video link to the registered emails.
- ✓ It will take about 7 days after reviewing the files with Q&A list.

2) Suprema Connect Website

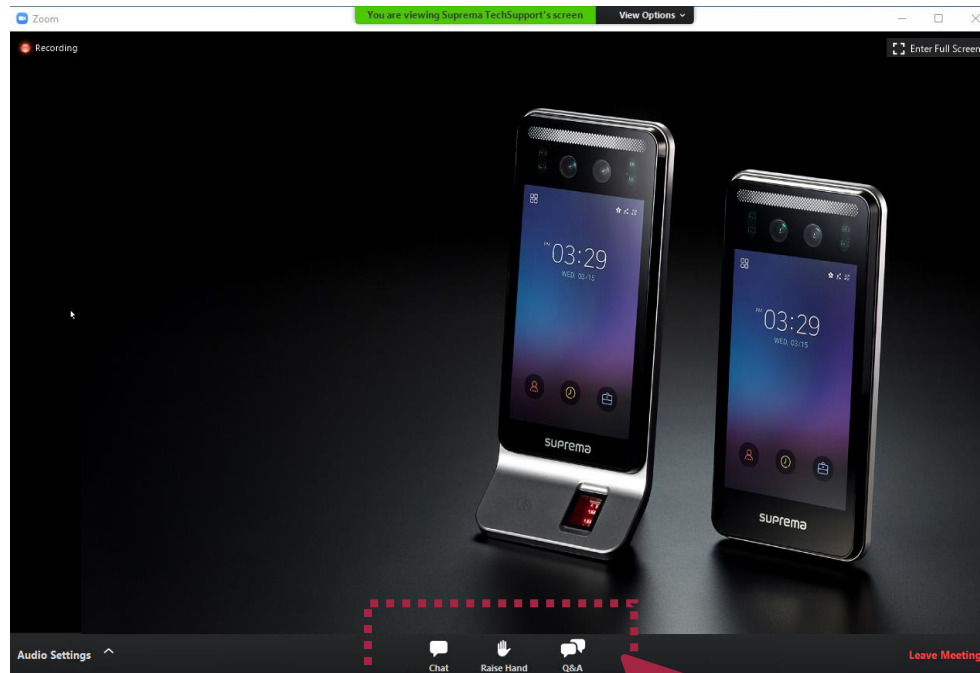
- ✓ We will post the recorded video to the site.
- ✓ <https://www.supremainc.com/connect/index.asp>
- ✓ Please google **Suprema Connect**.

3) Suprema Technical Support Site

- ✓ You can find the information with Q&A list on the website below.
- ✓ Please search **Suprema Webinar** in the support page, or simply google it.
- ✓ <https://support.supremainc.com>



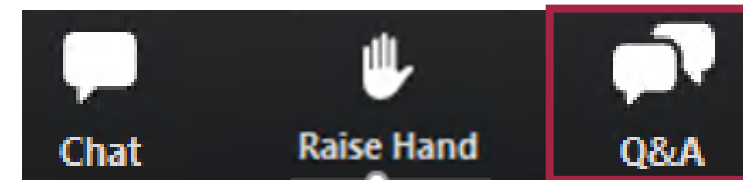
How can you ask questions during a webinar?



How to find the necessary icons

- ✓ Please move your mouse to the bottom of your screen, the 3 icons will appear.

[Q&A] box



- ✓ During the webinar, you can leave your questions in the Q&A box anytime. Suprema Panels will answer in real time.



Contents

- 01 | **Data File Export/Import (V2.8.10)**
- 02 | **Intelligent Slave (V2.8.10)**
- 03 | **Occupancy Limit Zone (V2.8.11)**
- 04 | **X-Station 2 and QR (V2.8.11)**
- 05 | **Major Bug Fixes and Others**

01

Data File Export/Import

BioStar V2.8.10



When you need to use **Data File Export/Import**?

The **Data File Export/Import** is a feature that allows you to export or import user and log data by USB connection to the Suprema device. If you back up user information or log in to the device or install and use the device in an environment without a network connection, this feature allows you to move data to where it is needed; from a device to the server and vice versa.

Requirements

To use the v2.8.10 or later versions' updated **Data File Export/Import** feature, you must match the firmware version of the devices that support this feature.

Device	Version
BioStation 2	V1.9.0 or later
BioStation A2	V1.8.0 or later
FaceStation 2	V1.4.0 or later
FaceStation F2	V1.1.0 or later
FaceLite	V1.2.0 or later

Relevant Article

- [\[BioStar 2\] Updated Feature - Data Export/Import](#)

Cautions

- ✓ The user and log data file export and import method supported by the previous version will **NO** longer be available if you upgrade BioStar 2 to v2.8.10 or above.
- ✓ You **MUST** match the device firmware version to use the new data export/import function.
- ✓ Visual face credentials registered via upload image or mobile **CANNOT** be transferred through the user information export/import.
- ✓ **FaceLite ONLY** supports the log data import feature as designed.

Known Issue

Users using BioStation 2 and FaceLite need to apply the patch to use this feature.

If the patch is not applied, an error message occurs, and the feature does not work.

Affected Products & Versions

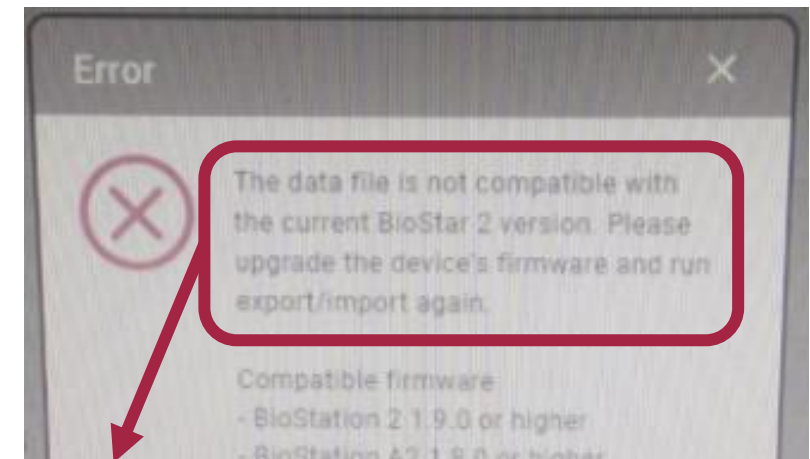
- BioStar 2.8.10
- BioStation 2 v1.9.0 or above
- FaceLite v1.2.0 or above

Fixed Version & Release Date

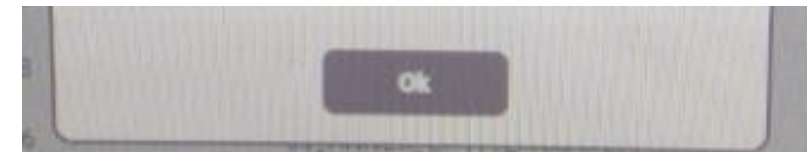
- BioStar v2.8.11, 2021 Q2

Relevant Article

- [\[Known Issue\] BioStar 2.8.10 Data File Export/Import Feature Bug](#)



The data file is not compatible with the current BioStar 2 version. Please upgrade the device's firmware and run export/import again.



Known Issue

Users using BioStation 2 and FaceLite need to apply the patch to use this feature.

If the patch is not applied, an error message occurs, and the feature does not work.

The screenshot shows the Suprema Technical Support website. At the top, there's a navigation bar with links: Home, Solutions, Forums, and Tickets. Below this is a search bar with the text 'How can we help you today?' and a placeholder 'Enter your search term here...' with a 'SEARCH' button. A red box highlights the search bar, and a red arrow points from it to the article title below. The breadcrumb trail reads 'Solution home / Frequently Asked Questions / Known Issues'. The article title is '[Known Issue] BioStar 2.8.10 Data File Export/Import Feature Bug' with a printer icon. Below the title, it says 'Created by: Laney Lee' and 'Modified on: Tue, Jun 15, 2021 at 5:30 PM'. Under the heading 'Relevant Article', there is a link: '[Known Issue] BioStar 2.8.10 Data File Export/Import Feature Bug'.

- 1 Please visit <https://support.supremainc.com/>
- 2 Search the article mentioned on this page.
[Known Issue] BioStar 2.8.10 Data File Export/Import Feature Bug
- 3 Find the patch on the bottom of the page.

Solution

It will be fixed in regular BioStar 2.8.11.

Please download the patch for each version of BioStar 2.8.10.

BioStar 2.8.10 [FISS-2655_patch.zip](#) - [Download](#)

02

Intelligent Slave

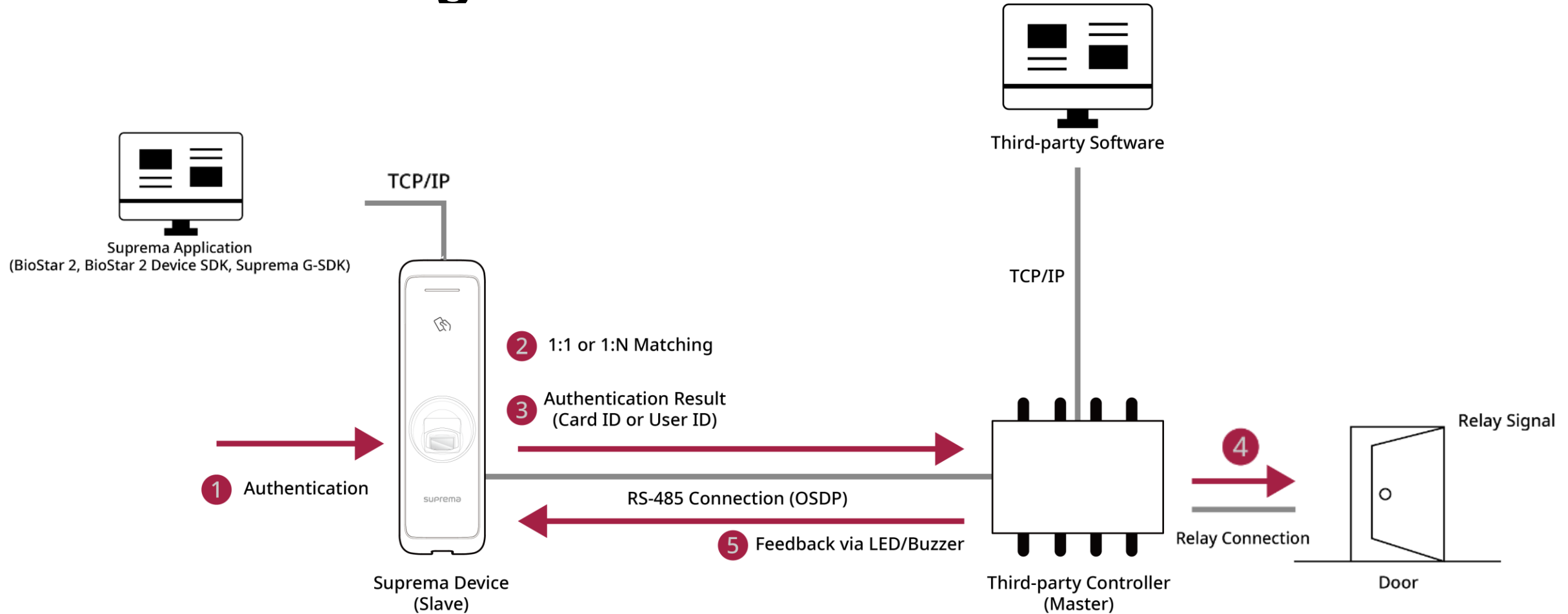
BioStar V2.8.10



What is Intelligent Slave?

Intelligent Slave is a function that enables a Suprema device to perform multiple 1:1 or 1:N authentication by using user data stored in the device and transmit results to a third-party controller via **O**pen **S**upervised **D**evice **P**rotocol (OSDP). It overcomes the limitation that only 1:1 matching was available in other applications and the lack of controller's storage by storing user data directly in the slave device.

What is Intelligent Slave?



Requirements

To use **Intelligent Slave**, BioStar 2 version, device model, and firmware version must be matched.

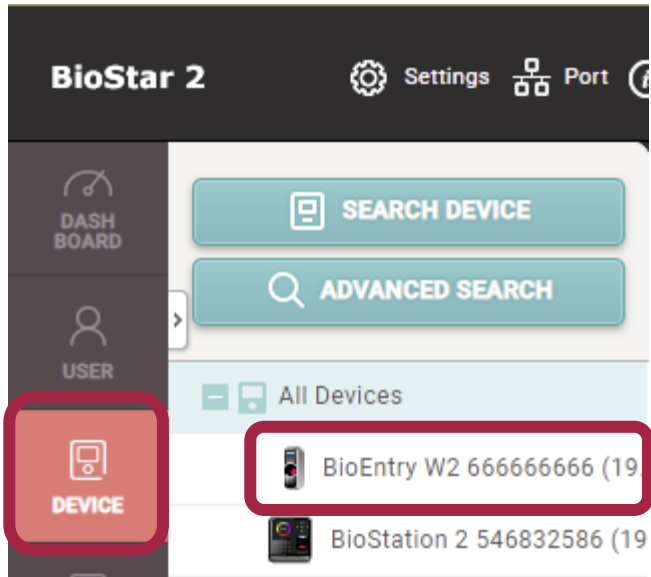
Product	Version
BioStar 2	V2.8.10 or later
BioEntry W2	V1.6.3 or later
BioStation L2	V1.6.1 or later
BioEntry P2	V1.4.1 or later
XPass 2	V1.2.3 or later

** Devices not listed in the table will be updated with each firmware release.*

Relevant Article

- [\[BioStar 2\] Firmware List of Supporting Intelligent Slave](#)

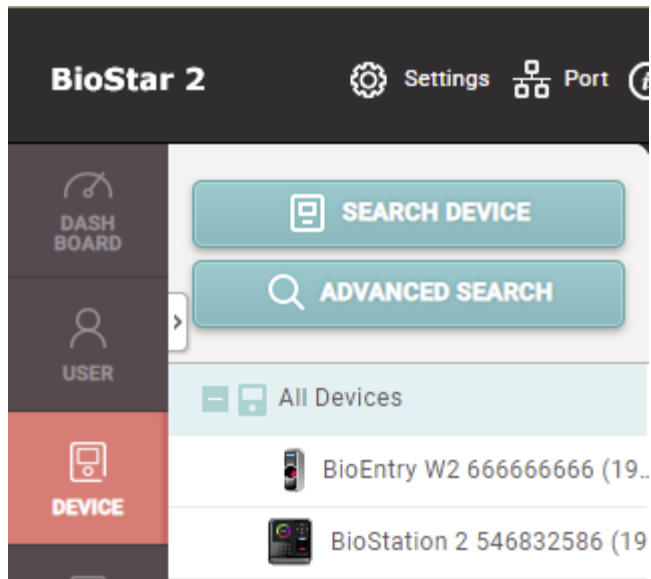
How to use Intelligent Slave?



Relevant Article

- [\[BioStar 2\] Intelligent Slave Support](#)

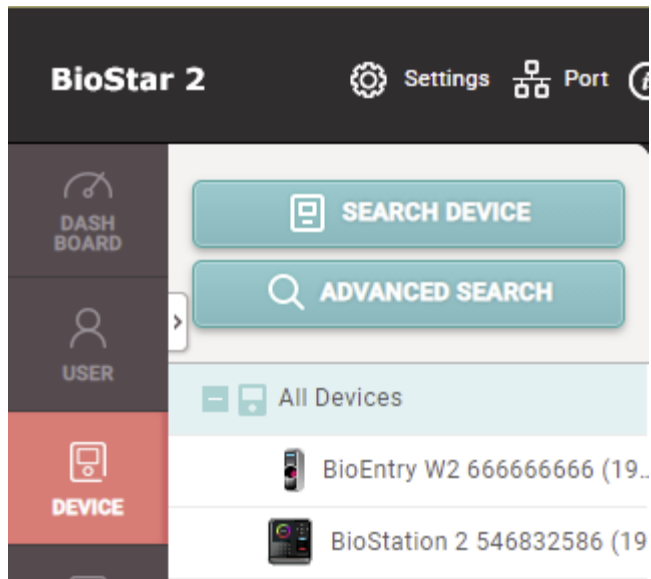
How to use Intelligent Slave?



Relevant Article

- [\[BioStar 2\] Intelligent Slave Support](#)

How to use Intelligent Slave?



Serial

• RS485 Default ▼ • Baud Rate 115200 ▼

Intelligent Slave

• Exception Code ☐ Disabled

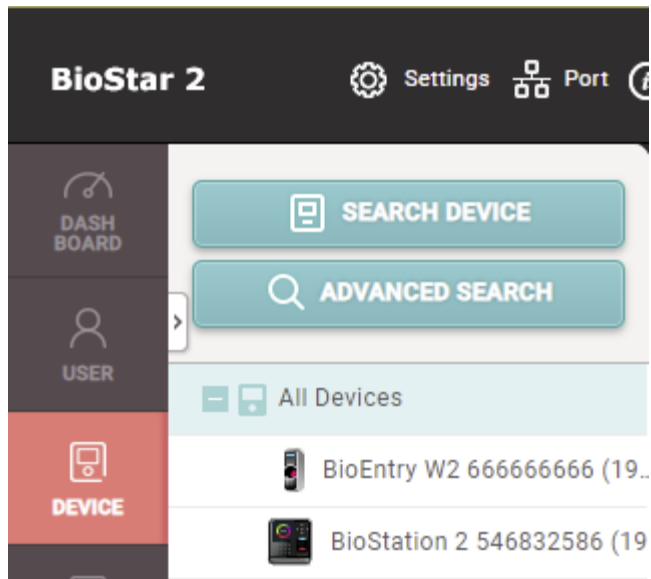
• Output Info ☒ Card ID ☐ User ID

• OSDP ID 0

Relevant Article

- [\[BioStar 2\] Intelligent Slave Support](#)

How to use Intelligent Slave?



Serial

• RS485 Default ▼ • Baud Rate 115200 ▼

Intelligent Slave

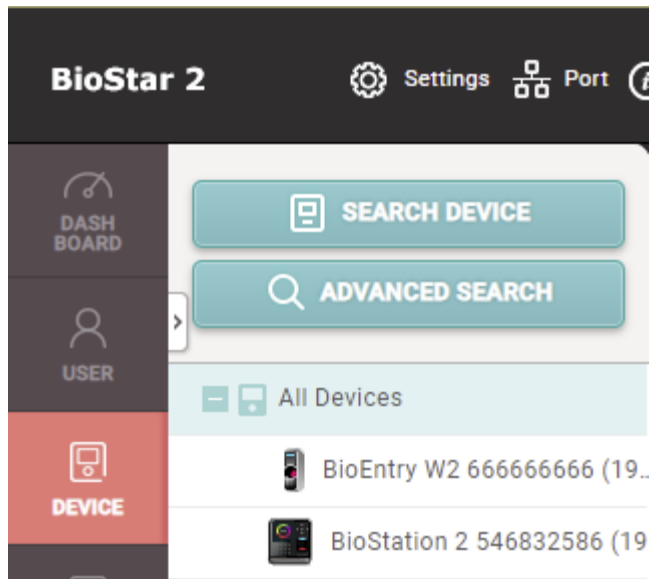
• Exception Code ☐ Disabled

• Output Info ☒ Card ID ☐ User ID • OSDP ID 0

Relevant Article

- [\[BioStar 2\] Intelligent Slave Support](#)

How to use Intelligent Slave?

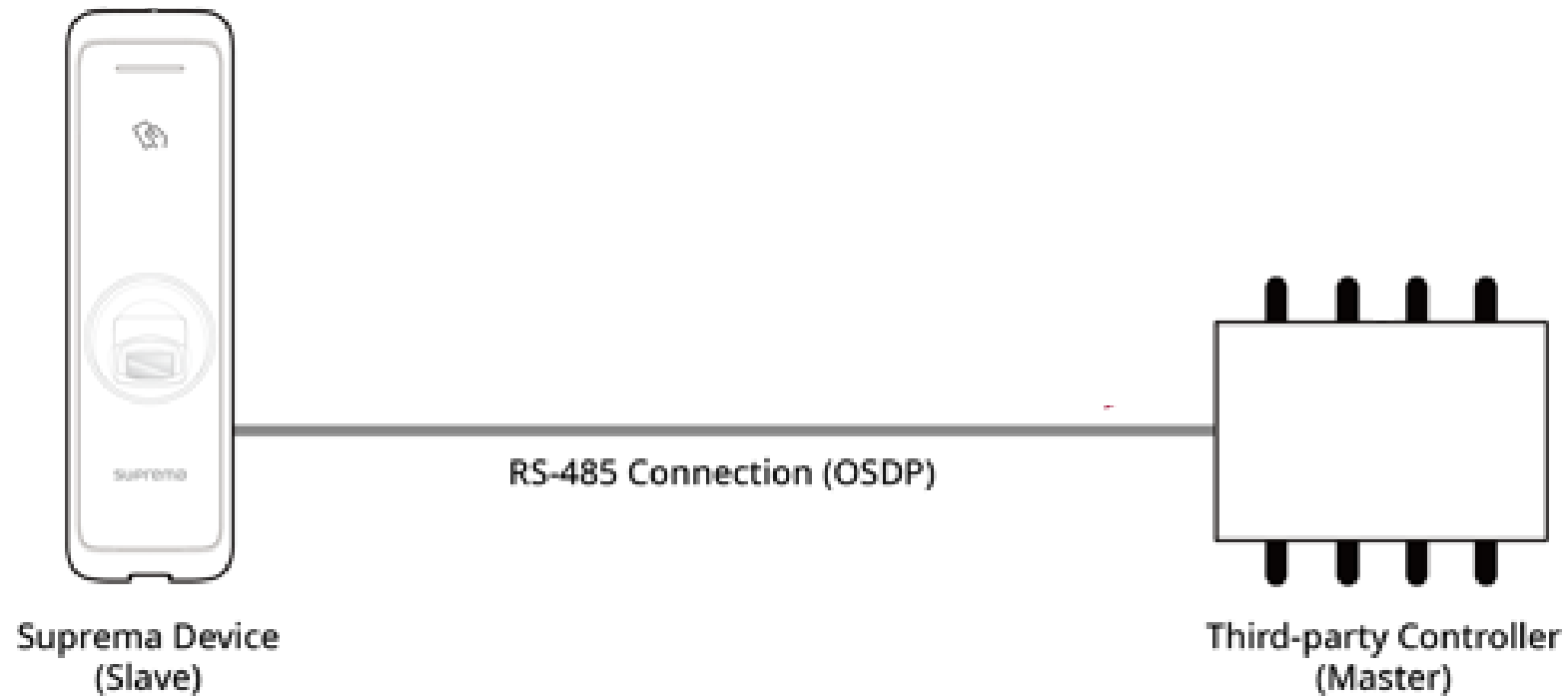


Relevant Article

- [\[BioStar 2\] Intelligent Slave Support](#)

The screenshot shows the 'Intelligent Slave' configuration settings. The 'Serial' section is at the top with 'RS485' and 'Default' selected, and 'Baud Rate' set to '115200'. Below this, the 'Intelligent Slave' section has a red box around the 'Exception Code' toggle, which is currently 'Disabled'. An arrow points from this toggle to a larger, detailed view of the 'Exception Code' settings. In this detailed view, the 'Exception Code' toggle is 'Enabled'. Below it, the 'Exception Code Value' section has 'Decimal' selected and a text input field containing '1'. A note 'Max 8 bytes' is at the bottom right of this section.

How to use Intelligent Slave?



Relevant Article

- [\[BioStar 2\] Intelligent Slave Support](#)

Further inquires about **OSDP** with Suprema products

Visit **Suprema Connect** website: <https://www.supremainc.com/connect/index.asp>



Relevant Article

- [Using OSDP with Suprema Product](#)

03

Occupancy Limit Zone

BioStar V2.8.11



What is **Occupancy Limit Zone**?

The **Occupancy Limit Zone** aims to limit the number of people that can enter a particular area/zone.

You can use this feature to manage the indoor space to avoid overcrowding due to COVID-

19. Suprema's Occupancy Limit Zone allows only a limited number of people to enter based on the

authentication record from the entry/exit device and restricts entry beyond that, enabling

monitoring of the occupants in the zone.

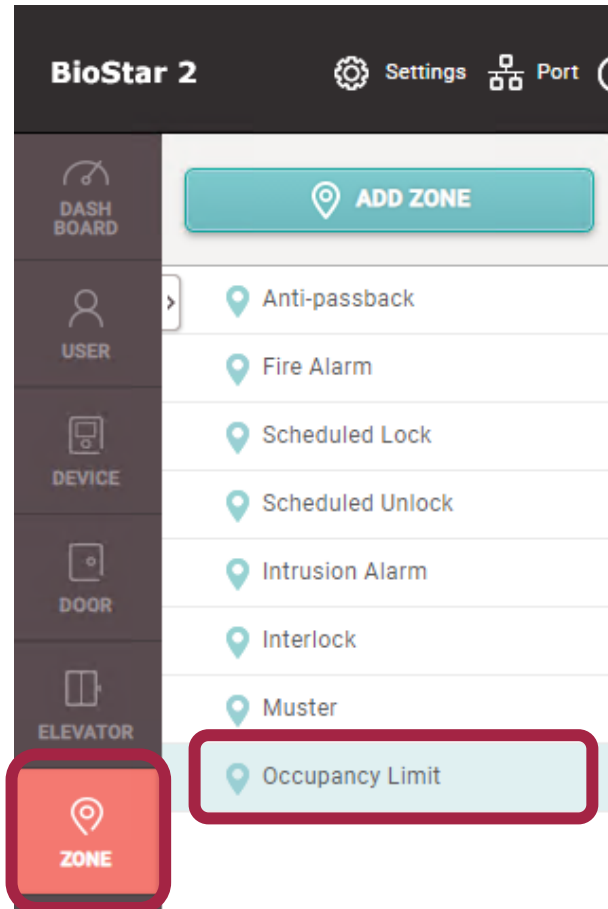
Requirements

To use **Occupancy Limit Zone**, BioStar 2 version, device model, and firmware version must be matched.

Product	Version
BioStar 2	V2.8.11 or later
FaceStation F2	V1.1.0 or later
FaceStation 2	V1.5.0 or later

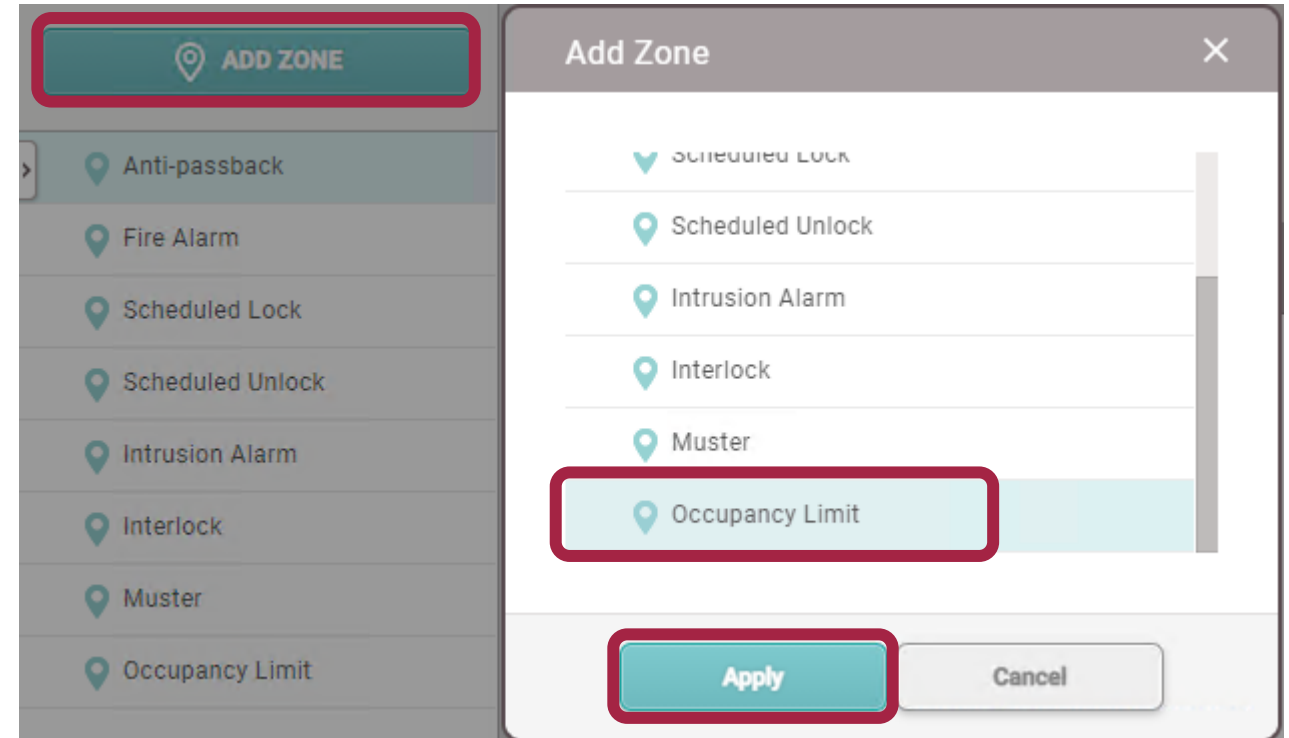
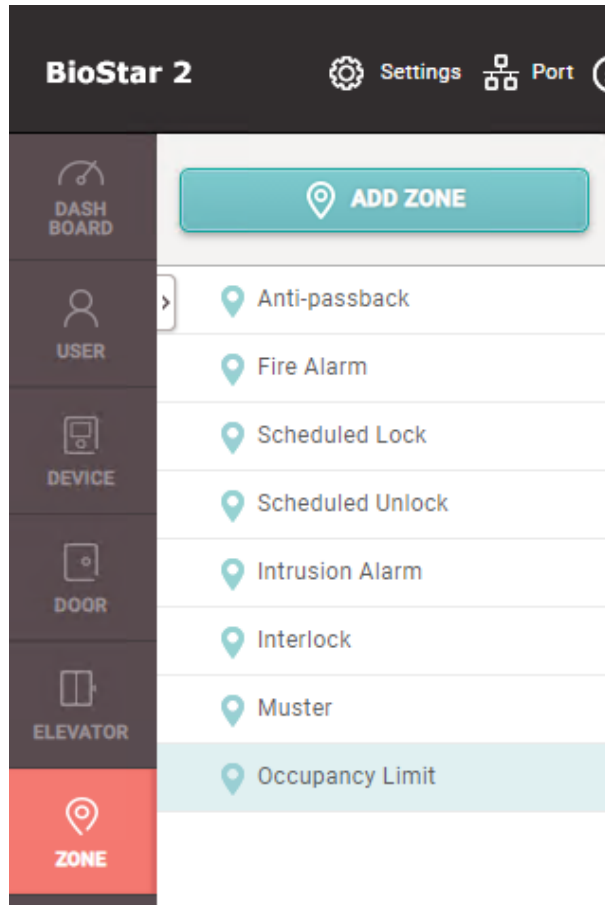
** Devices not listed in the table will be updated each firmware release.*

How to setup Occupancy Limit Zone?



NO need to create doors before configuring **Occupancy Limit Zone**.

How to setup Occupancy Limit Zone?



How to setup Occupancy Limit Zone?

Information

• Name

BioStar 2.8.11 Occupancy Limit Zone

• Type

Occupancy Limit

Configuration

• Mode

☒ Global

• Entry Devices

FaceStation F2 547835868 (192.168.13.170)

• Limit

5

• Count Alert

☒ Use

• Alert 1

3

• Alert 2

4

• Active/Inactive

☒ Active

• Exit Devices

FaceStation 2 542191492 (192.168.13.101)

• Auto Count Reset

☐ Not Use

• Network Failure Action

☒ Allow Entry and Exit

Count Bypass

• Bypass Group

Bypass Access Group

Apply

Cancel

Supports **Global** mode **ONLY**.

How to setup Occupancy Limit Zone?

Information

• Name BioStar 2.8.11 Occupancy Limit Zone

• Type Occupancy Limit

Configuration

• Mode ☒ Global

• Active/Inactive ☒ Active

• Entry Devices FaceStation F2 547835868 (192.168.13.170)

• Exit Devices FaceStation 2 542191492 (192.168.13.101)

• Limit 5

• Auto Count Reset ☐ Not Use

• Count Alert ☒ Use

• Network Failure Action ☒ Allow Entry and Exit

• Alert 1 3

• Alert 2 4

Supports **FaceStation 2** and **FaceStation F2 ONLY.**

How to setup Occupancy Limit Zone?

Information

• Name BioStar 2.8.11 Occupancy Limit Zone

Configuration

• Mode ☒ Global

• Entry Devices FaceStation F2 547835868 (192.168.13.170)

• Limit 5

• Count Alert ☒ Use

• Alert 1 3

• Alert 2 4

You can enter number from 0 to 10,000.

- **Limit 0:** people can enter the zone **without limit**

How to setup Occupancy Limit Zone?

Configuration

- Mode ☒ Global
- Entry Devices FaceStation F2 547835868 (192.168.13.170) ▼
- Limit
- Count Alert ☒ Use
 - Alert 1
 - Alert 2 Enter a value less than 5.

How to setup Occupancy Limit Zone?

• Active/Inactive ☒ Active

• Exit Devices FaceStation 2 542191492 (192.168.13.101) ▼

• Auto Count Reset ☐ Not Use

• Network Failure Action ☒ Allow Entry and Exit

• Auto Count Reset ☒ Use 00 : 00

* This follows the time zone set in BioStar 2.

How to setup Occupancy Limit Zone?

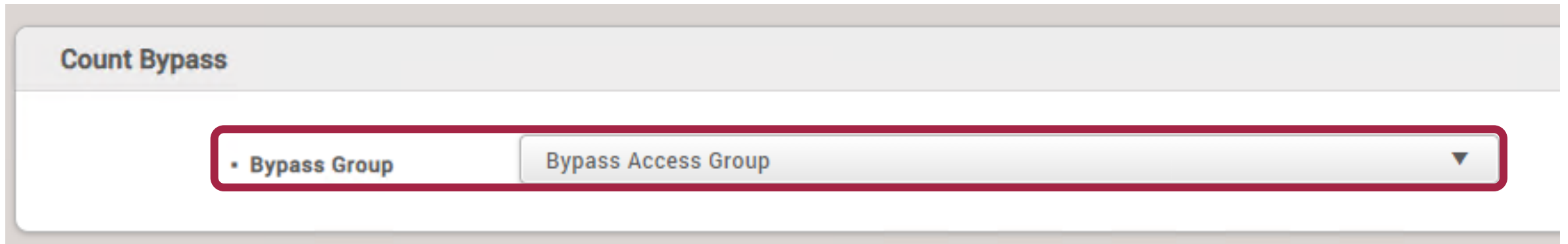
The screenshot displays the configuration page for an Occupancy Limit Zone in the Suprema Connect interface. The settings are as follows:

- Active/Inactive:** A toggle switch is turned on, labeled "Active".
- Exit Devices:** A dropdown menu is set to "FaceStation 2 542191492 (192.168.13.101)".
- Auto Count Reset:** A toggle switch is turned off, labeled "Not Use".
- Network Failure Action:** Two options are shown, each in a red-bordered box. The first box shows the toggle turned on for "Allow Entry and Exit". A red arrow points from this box to the second box, which shows the toggle turned off for "Only Exit Allowed".

NOTICE

✓ **Network Failure Action** will be applied **ONLY** devices which have network connectivity issue.

How to setup Occupancy Limit Zone?



Count Bypass

• Bypass Group

Bypass Access Group ▼

NOTICE

- ✓ Need to create **Access Group(s)** to apply Bypass Group.

Demonstrations



04

X-Station 2 and QR

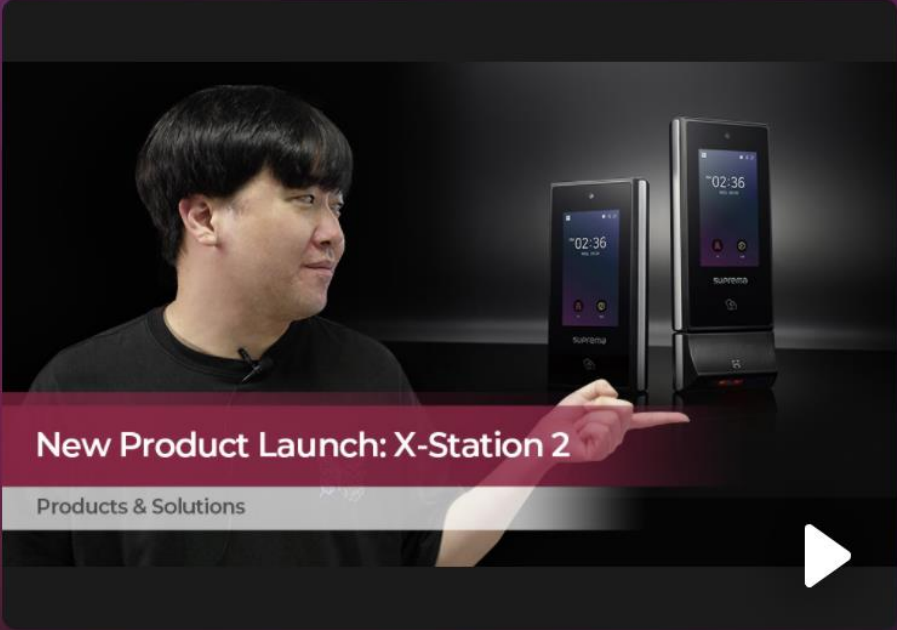
BioStar V2.8.11



How to find more information about **X-Station 2** and **BioStar 2 QR**?

- ✓ Visit the **Suprema Connect** website and check out the **New Product Launch: X-Station 2** video.

Where the Future of Security Connects



New Product Launch: X-Station 2

Products & Solutions

New Product Launch: X-Station 2

Suprema X-Station 2 is a newly launched intelligent versatile terminal that supports a variety of credentials. Let's get a better understanding of the competitive features of X-Station 2. You will learn how the QR and Bar codes are implemented through a quick demonstration.

- X-Station 2 Introduction
- QR in BioStar 2 System
- Demonstration

Instructor	Michael Lee Product Manager, Suprema Inc.
Panel	Willis Lau Technical Engineer, Solution Expert
Duration	20 min

New device: X-Station 2

XS2-DPB, XS2-APB



IP65
PoE(Power over Ethernet)

Camera
4" IPS color LCD
Multi RFID Support

EM	EM
MIFARE	MIFARE
DESFire	DESFire
Felica	Felica
	HID Prox
	HID iClass

NFC/BLE
-Suprema Mobile Access
Ethernet
RS-485(OSDP)
Wiegand
2 TTL Inputs
1 Relay
QR Module

XS2-QDPB, XS2-QAPB



Relevant Article

- [X-Station 2 – Versatile Intelligent Terminal](#)

New device: X-Station 2

Capacity	Max User	500,000
	Max Card *Including QR/Barcode	500,000
	Max Fingerprint *With FP reader as slave	100,000
	Max Text Log	5,000,000
	Max Image Log	50,000

Relevant Article

- [X-Station 2 – Versatile Intelligent Terminal](#)

New device: X-Station 2

QR Code Support as a new user credential

Type	BioStar 2 QR	Third party QR/Barcode
Data Generation	Generated by BioStar 2 system	Generated by third party system <ul style="list-style-type: none">• Only printable ASCII characters• Maximum up to 32 characters

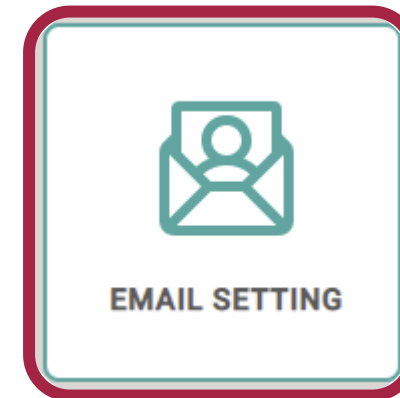
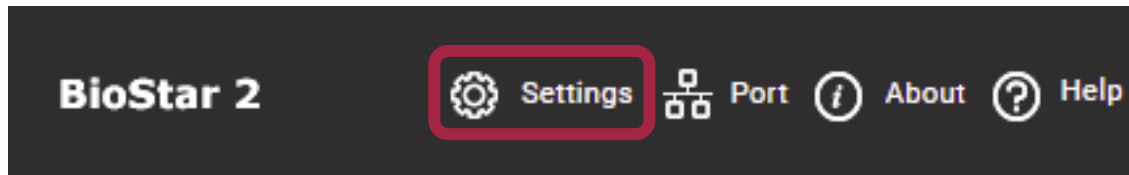
NOTICE

- ✓ Other data types of third party QR & Barcode are **NOT** available to use.

Relevant Article

- [X-Station 2 – Versatile Intelligent Terminal](#)

How to enroll QR in BioStar 2?



How to enroll QR in BioStar 2?

← EMAIL SETTING

Email Contents Setting

• SMTP Setting SMTP setting

• Test Mail Recipient Address ✉ Send Email

SMTP Option

Sender Information

- SMTP Server Name
- Description
- Server Address
- Port(default:25)
- User Name
- Password
- Security Type
- Sender

Apply Cancel

How to enroll QR in BioStar 2?

QR

• QR ☒ Use

• Email Title

BioStar 2.8.11 QR

• Company Name

BioStar 2

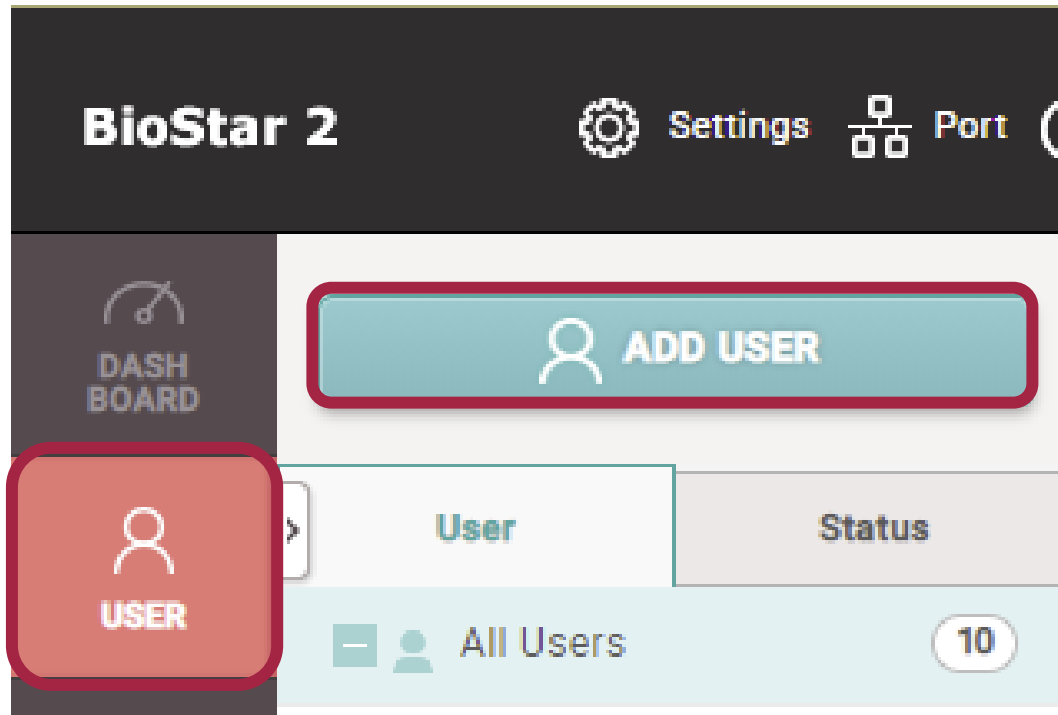
• Company Logo

Upload Logo Image

• Contact

helpqqr@suprema.co.kr

How to enroll QR in BioStar 2?



How to enroll QR in BioStar 2?

Enroll Card [X]

• QR/Barcode Type: BioStar 2 QR

Information

• Card ID: 162347072018557 [Use User ID]

• Input Type: ☐ Use random card ID

* BioStar 2 QR includes a PIN which is encrypted.

[Enroll] [Cancel]

BioStar 2 QR is the QR code that contains an **encrypted PIN** on BioStar 2.

Information

• Card ID: [] [Use User ID]

• Input Type: ☒ Enter manually

* BioStar 2 QR includes a PIN which is encrypted.

How to enroll QR in BioStar 2?

Enroll Card

• QR/Barcode Type QR/Barcode

• Registration Option Enter Manually

Information

• Card ID Use User ID

Enroll Cancel


QR/Barcode is the QR code issued from third party systems.

How to enroll BioStar 2 QR?

← User QR

9/10

Information



+ Add Photo

• Name

User QR

• Department

• ID

9

• Group

QR User Group

• Period

2001/01/01 00:00 ~ 2030/12/31 23:59

• Operator Level

None

• User IP

• Email

qrtester@suprema.co.kr

• Title

• Telephone

• Status

Active

• Access Group

Credential

• ☐ PIN

• Auth Mode

Device Default

• Credential

+ Fingerprint

+ Face

+ Visual Face

+ Card

+ QR/Barcode

• 1:1 Security Level

Device Default

Type	Card Data Format	Summary	
BioStar 2 QR	BioStar 2 QR	ID: 162347126260057 (Issue Count: 1)	<div>Resend Block</div>

Card History

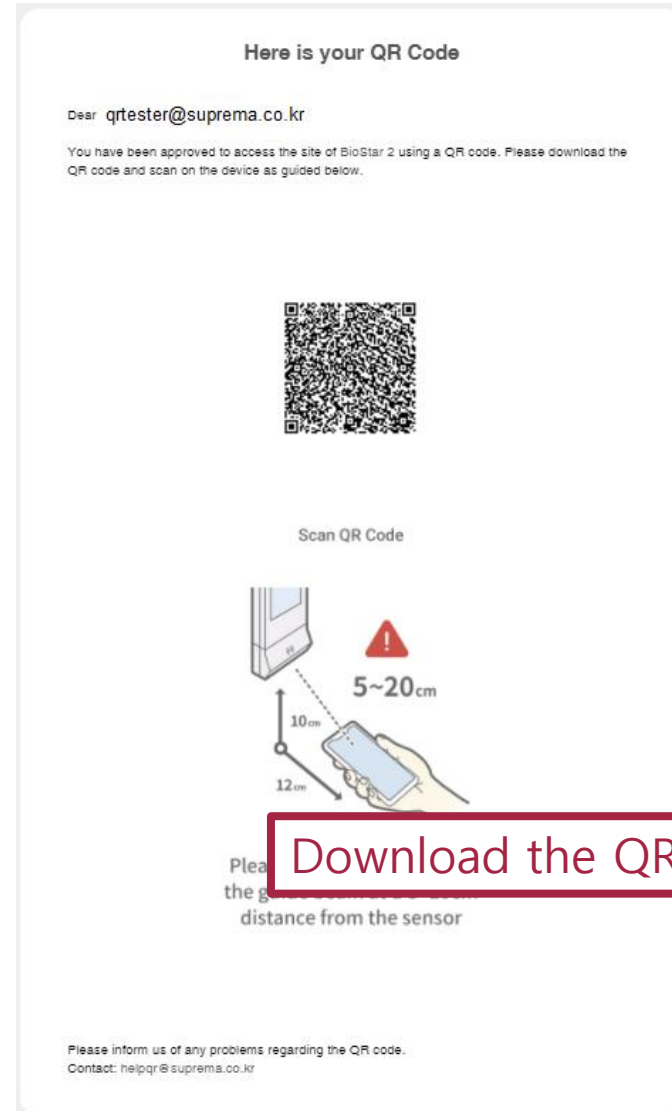
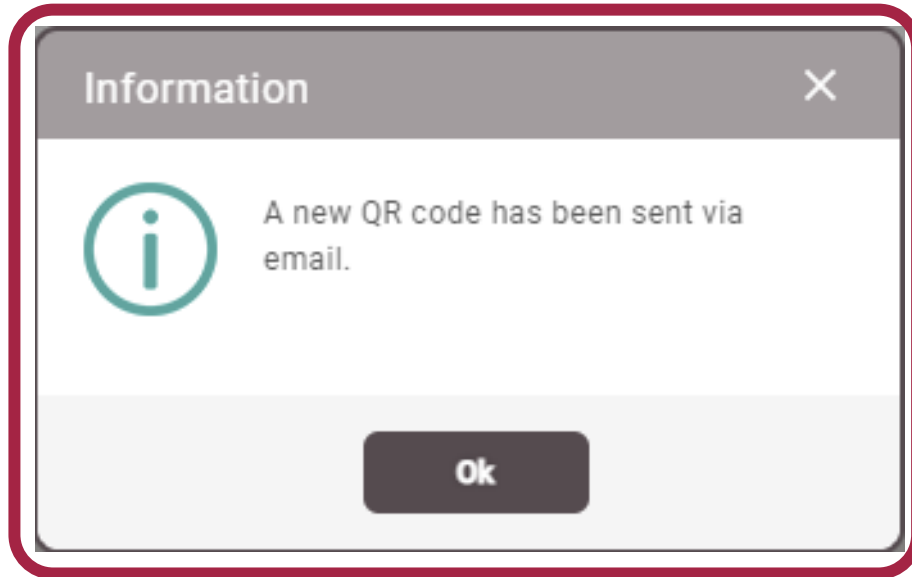
Apply

Cancel

• Email is **mandatory** for using 'BioStar 2 QR'.

• No need to insert if you use 3rd party QR/Barcode.

How to enroll BioStar 2 QR?



BioStar 2.8.11 QR



Download the QR code in the email attachment.


How to enroll 3rd party QR?

←

User 3rd party QR

10/10

Information



+ Add Photo

• Name

User 3rd party QR

• Department

• ID

10

• Group

All Users

• Period

2001/01/01 00:00 ~ 2030/12/31 23:59

• Operator Level

None

• User IP

• Email

• Title

• Telephone

• Status

☒ Active

• Access Group

Credential

• ☐ PIN

• Auth Mode

☐ Device Default

• Credential

+ Fingerprint

+ Face

+ Visual Face

+ Card

+ QR/Barcode

• 1:1 Security Level

☐ Device Default

Type

Card Data Format

Summary

QR/Barcode

-

ID: 1234567

Block

Card History

Apply

Cancel

How to enroll 3rd party QR?

	A	B	C	D	E	F	G	H	I	J	K
1	user_id	name	department	user_title	phone	email	user_group	start_datetime	expiry_datetime	csn	qr
2	1	Administrator					All Users	1/1/2001 0:00	12/31/2030 23:59		
3	2	Kim					All Users	1/1/2001 0:00	12/31/2030 23:59	3194233500	
4	3	Lee					All Users	1/1/2001 0:00	12/31/2030 23:59	125664318	
5	334	suprema					All Users	1/1/2001 0:00	12/31/2030 23:59		123abcd
6	335	suprema1					All Users	1/1/2001 0:00	12/31/2030 23:59		456def

NOTICE

- ✓ **ONLY** 3rd party QR/Barcode **CAN** be enrolled via CSV Import under 'qr' column.
- ✓ BioStar 2 QR **CANNOT** be enrolled via CSV Import.

How to enroll 3rd party QR?

CSV Import

csn	csn
mobile_start_dateti...	None
mobile_expiry_datet...	None
csn_mobile	None
qr	qr
26 bit SIA Standard...	None
HID 37 bit-H10302	None
HID 37 bit-H10304	None
HID Corporate 1000	None
HID Corporate 1000...	None
face_image_file1	None
face_image_file2	None

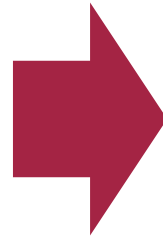
• When the same User ID exists in BioStar 2

☐ Preserve data ☒ Overwrite

Back

Next

Close



CSV Import

csn	csn
mobile_start_dateti...	None
mobile_expiry_datet...	None
csn_mobile	None
qr	qr
26 bit SIA Standard...	None
HID 37 bit-H10302	None

How to enroll BioStar 2 QR?

Real-time Log

Save Filter Pause Clear

Date	Door	Elevator	Device ID	Device	User	Zone	Event	View
2021/06/12 13:46:38			547836841	X-Station 2 5...	10(User 3rd party QR)		1:1 authentication succeeded (Card)	
2021/06/12 13:46:23			547836841	X-Station 2 5...	9(User QR)		1:1 authentication succeeded (Card)	

9(User QR)

Type	Card Data Format	Summary	
BioStar 2 QR	BioStar 2 QR	ID: 162347126260057 (Issue Count: 1)	Resend Block

How to issue QR in BioStar 2?

Real-time Log

Save Filter Pause Clear

Date	Door	Elevator	Device ID	Device	User	Zone	Event	View
2021/06/12 13:46:38			547836841	X-Station 2 5...	10(User 3rd party QR)		1:1 authentication succeeded (Card)	
2021/06/12 13:46:23			547836841	X-Station 2 5...	9(User QR)		1:1 authentication succeeded (Card)	

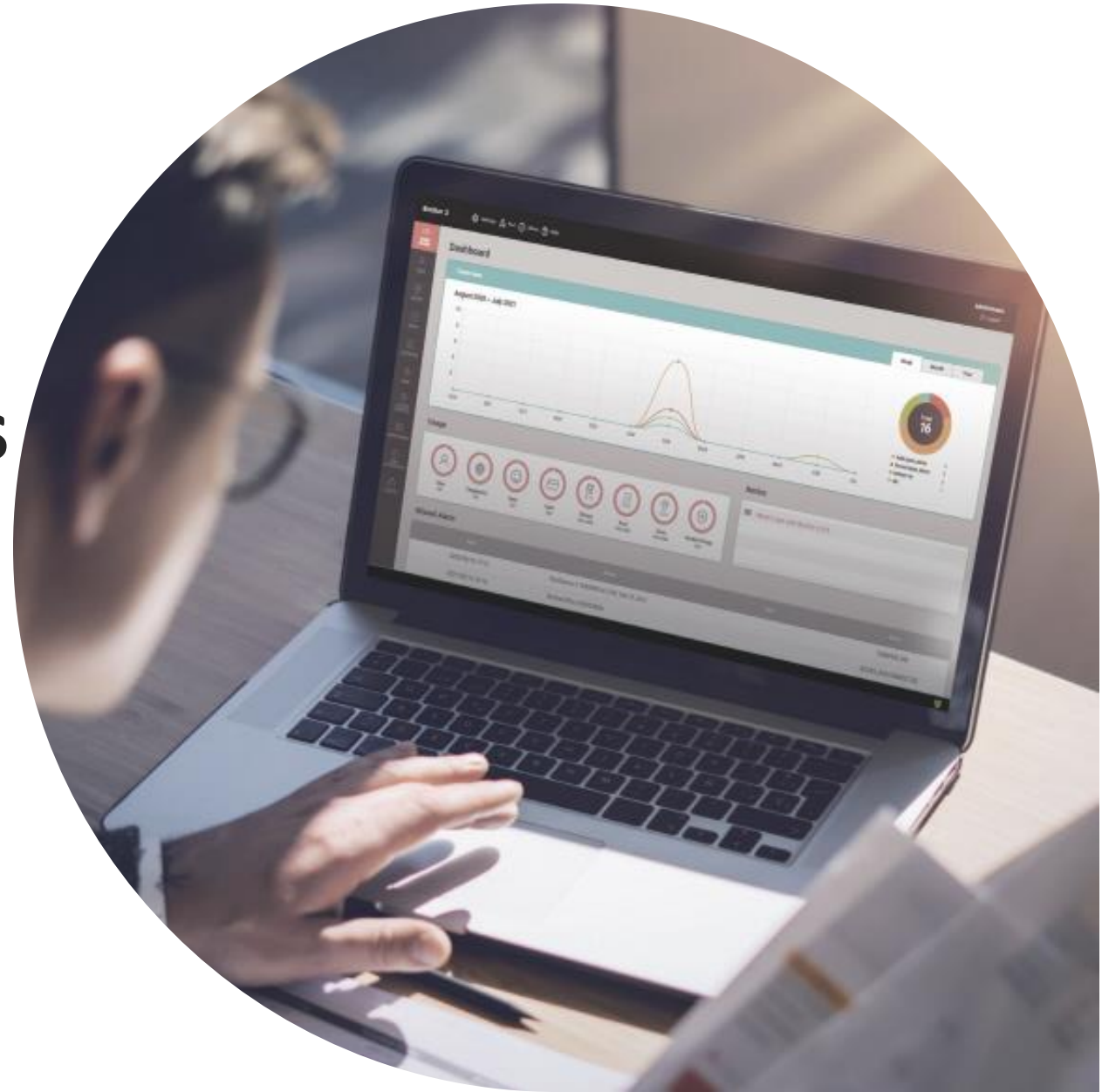
10(User 3rd party QR)

Type	Card Data Format	Summary	
QR/Barcode	-	ID: 1234567	Block

05

Major Bug Fixes and Others

BioStar V2.8.10 and V2.8.11



BioStar 2 New Local API Improvements

- ✓ The largest user group ID was sent as a response value regardless of the user group ID when creating a user group using POST/api/user_groups. (v2.8.10)

POST

`/api/user_groups`

- ✓ Stabilized Swagger API functions related to server matching, CSV export and import. (v2.8.10)

PUT

`/api/setting/biostar/server_matching`

POST

`/api/users/csv_export`

POST

`/api/users/csv_import`

- ✓ Created the T&A report inquiry API. (v2.8.11)

BioStar 2 New Local API Improvements

- ✓ Created a new API related to QR/barcode for X-Station 2. (v2.8.11)



- ✓ Created a new API related to Occupancy Limit Zone. (v2.8.11)

zones	
POST	/api/v2/zones/occupancy Create an occupancy zone
GET	/api/v2/zones/occupancy Get a list of occupancy list zones
DELETE	/api/v2/zones/occupancy Delete occupancy limit zones
PUT	/api/v2/zones/occupancy/count/decrease/{id} Decrease an occupancy count (0 <= count <= limit_count)
PUT	/api/v2/zones/occupancy/count/increase/{id} Increase an occupancy count (0 <= count <= limit_count)
PUT	/api/v2/zones/occupancy/count/set/{id} Set an occupancy count (0 <= count <= [limit_count is 0 : 999999] or [limit_count is not 0 : 50000])
GET	/api/v2/zones/occupancy/devices/dual Get a list of dual authentication devices
GET	/api/v2/zones/occupancy/devices/{id} Get a list of assigned devices to the occupancy limit zone.
PUT	/api/v2/zones/occupancy/disable Disable an occupancy limit zone.
PUT	/api/v2/zones/occupancy/enable Enable an occupancy limit zone.
PUT	/api/v2/zones/occupancy/reset Reset an occupancy limit zone.
GET	/api/v2/zones/occupancy/search/{id} Search an occupancy zone by name
PUT	/api/v2/zones/occupancy/{id} Update an occupancy limit zone
GET	/api/v2/zones/occupancy/{id} Get an occupancy limit zone

BioStar 2.8.10 Major Bug Fixes

- ✓ Registering a Visual Face was not correctly done due to image rotation when using Chrome version 86. (Affects version: v2.8.6)
- ✓ Visual Face CSV import failed when using the Wiegand format or a Custom User Field. (Affects version: v2.8.8)
- ✓ Email transmission did not function properly when SMTP Security Type was 'None' or 'TLS' in email settings. (Affects version: v2.8.6)
- ✓ The options for Wiegand Input, Output, and Input/Output were displayed as if they were able to be set simultaneously from the FaceStation F2's configuration page. (Affects version: v2.8.6)
- ✓ The BioStar Server occupied too much memory in certain cases. (Affects version: v2.7.14)

BioStar 2.8.11 Major Bug Fixes

- ✓ When returning to the individual summary report list after checking details of a selected report, the item selection did not work properly in the list. (Affects version: v2.7.10)
- ✓ A 'TypeError: Cannot read property 'replace' of undefined' error occurred in the browser console when issuing a CSN card to users. (Affects version: v2.8.9)

Q&A

Thank you.