

BioStar 2 New Features V2.8.10 to V2.8.11

How can you find Webinar Contents?

1) Email

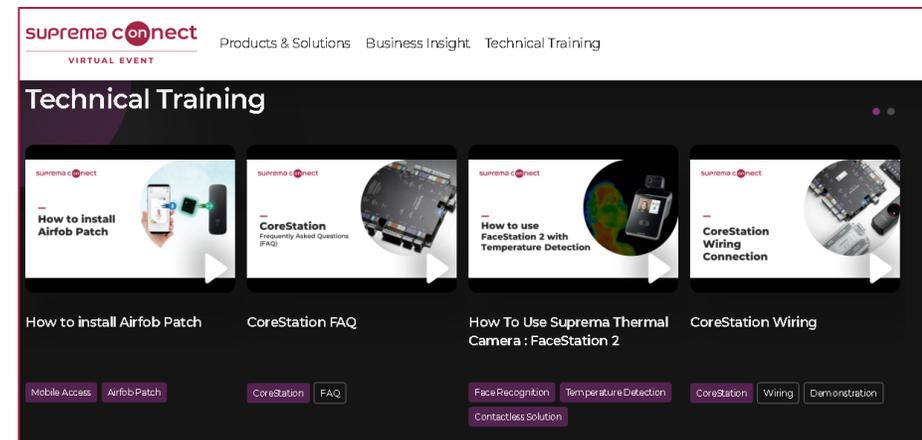
- ✓ Suprema Team will provide the presentation and the recorded video link to the registered emails.
- ✓ It will take about 7 days after reviewing the files with Q&A list.

2) Suprema Connect Website

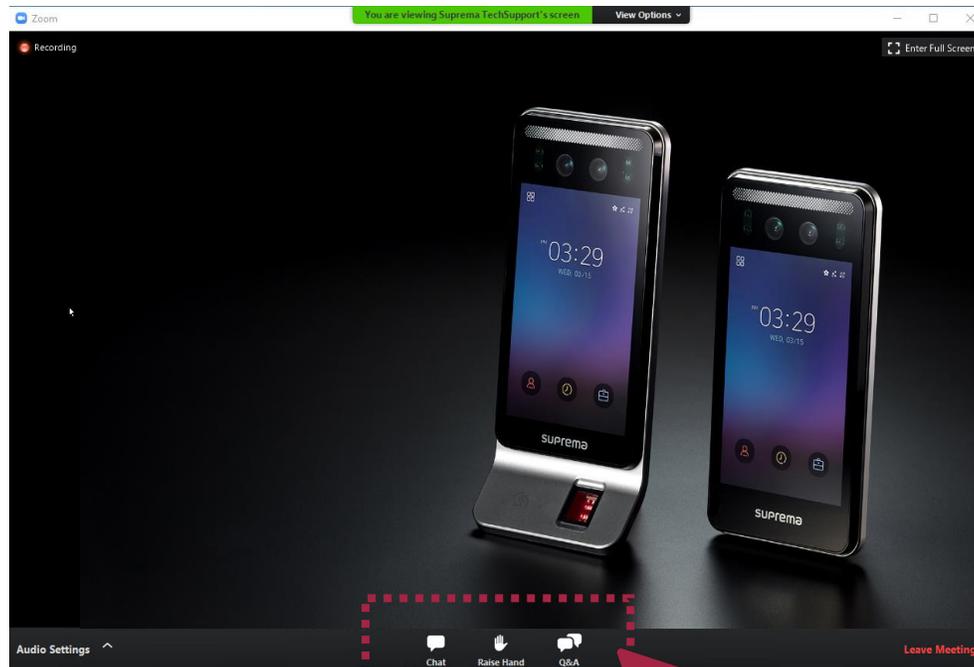
- ✓ We will post the recorded video to the site.
- ✓ <https://www.supremainc.com/connect/index.asp>
- ✓ Please google **Suprema Connect**.

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>



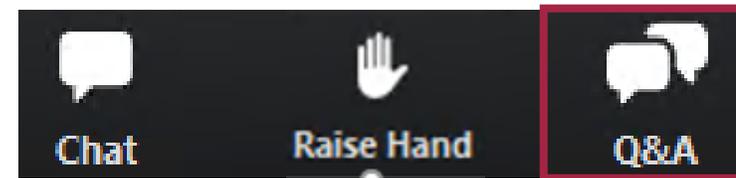
How can you ask questions during a webinar?



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.



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- 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

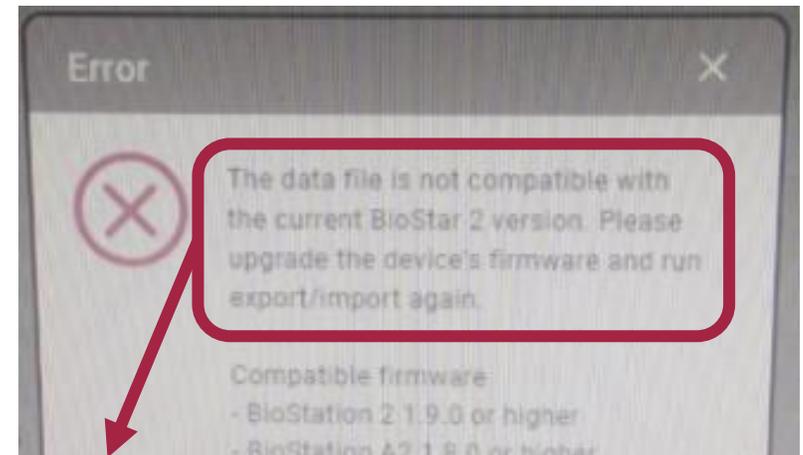
- BioStar 2.8.10
- BioStation 2 v1.9.0 or above
- FaceLite v1.2.0 or above

Fixed Version & Release Date

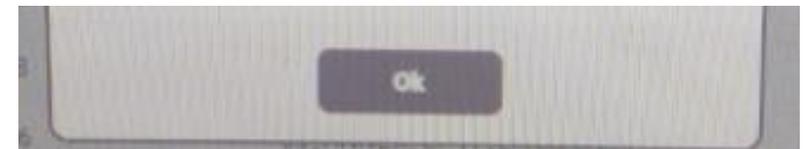
- BioStar v2.8.11, 2021 Q2

Relevant Article

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



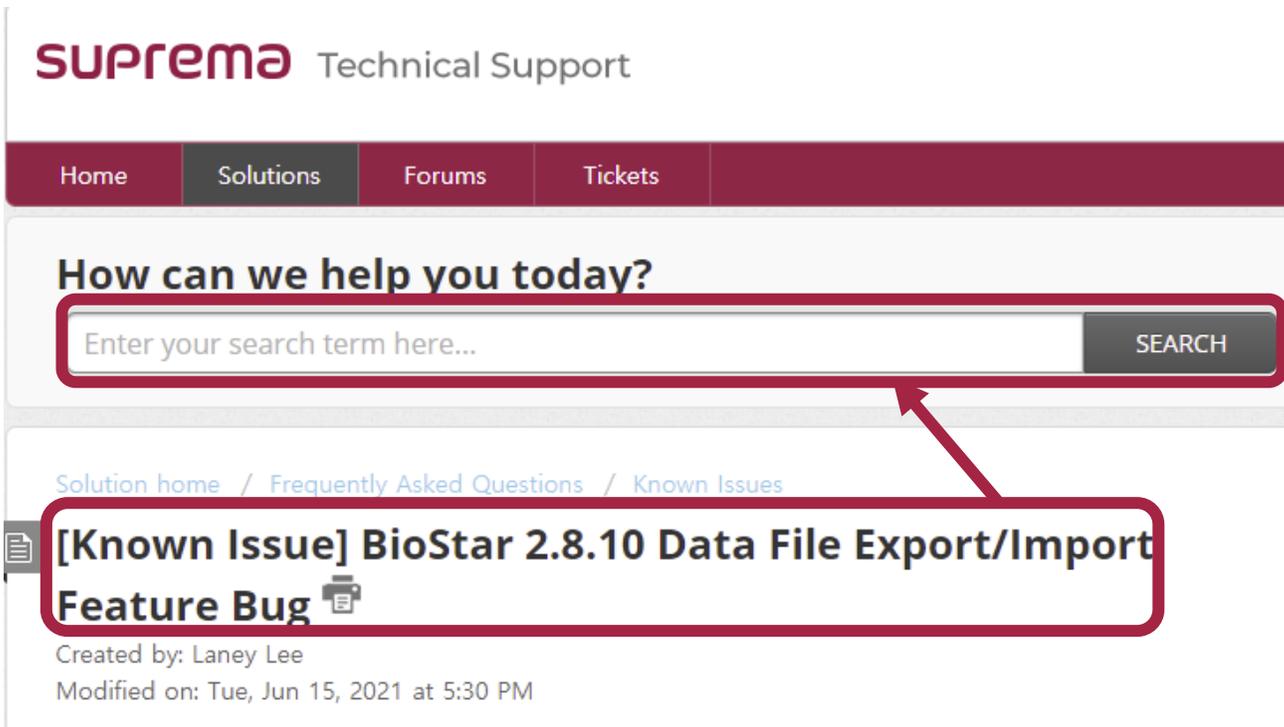
The data file is not compatible with the current BioStar 2 version. Please upgrade the device's firmware and run export/import again.



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.



- 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
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Relevant Article

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

02

Intelligent Slave

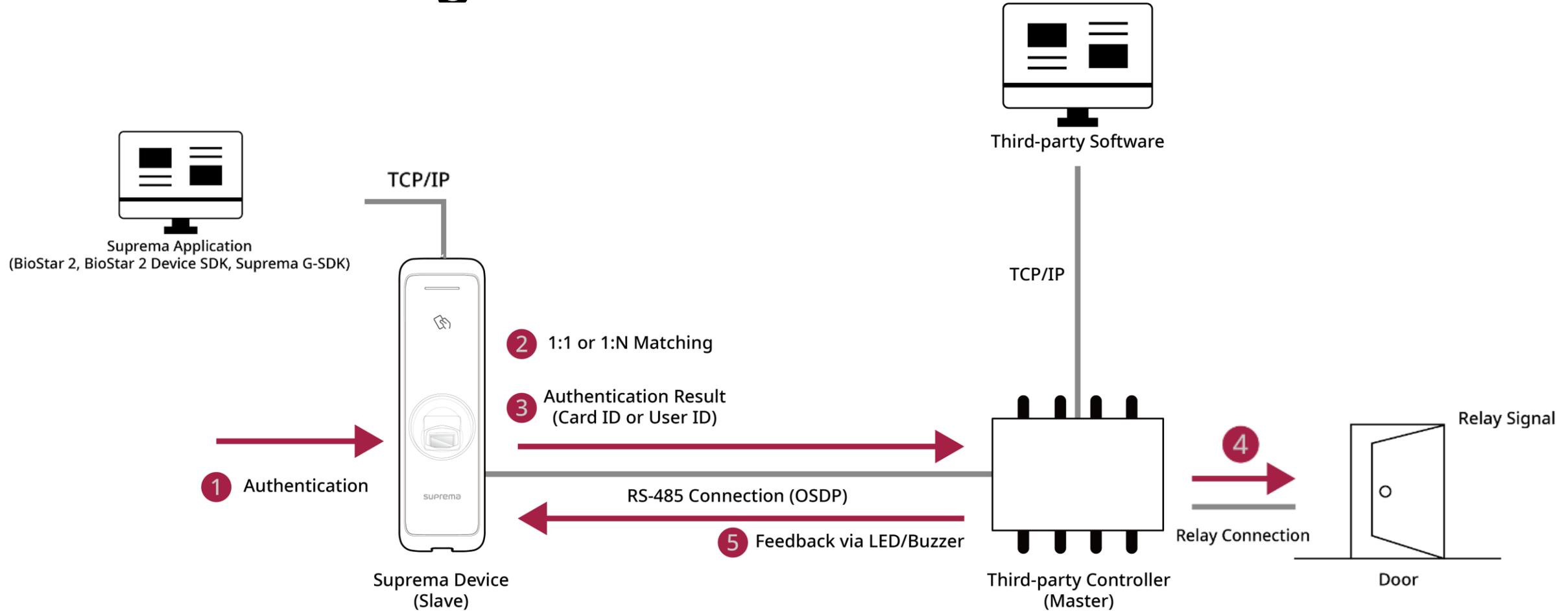
BioStar V2.8.10



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 **Open Supervised Device Protocol (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.

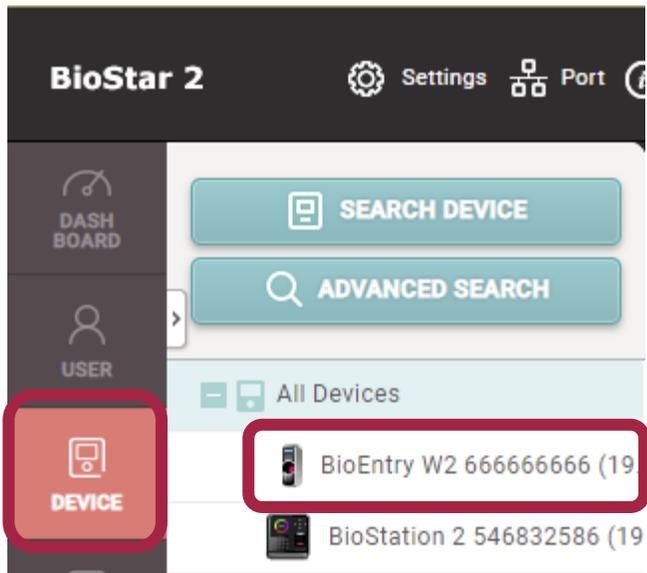
Product	Version
BioStar 2	V2.8.10 or later
BioEntry W2	V1.6.3 or later
BioStation L2	V1.6.1 or later
BioEntry P2	V1.4.1 or later
XPass 2	V1.2.3 or later

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

Relevant Article

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

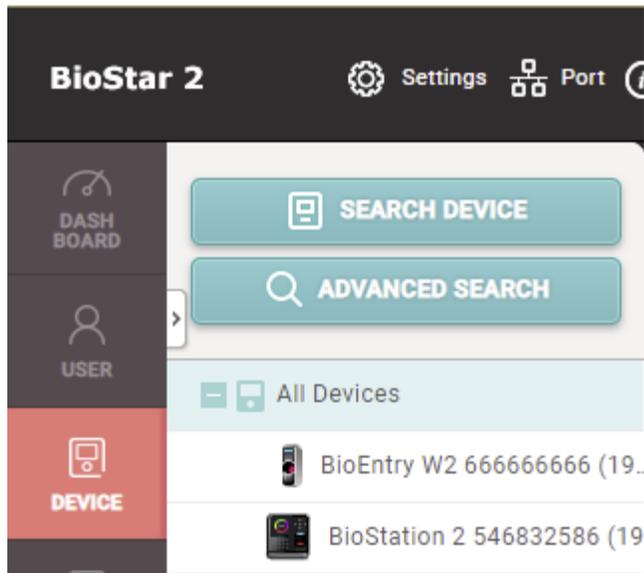
How to use Intelligent Slave?



Relevant Article

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

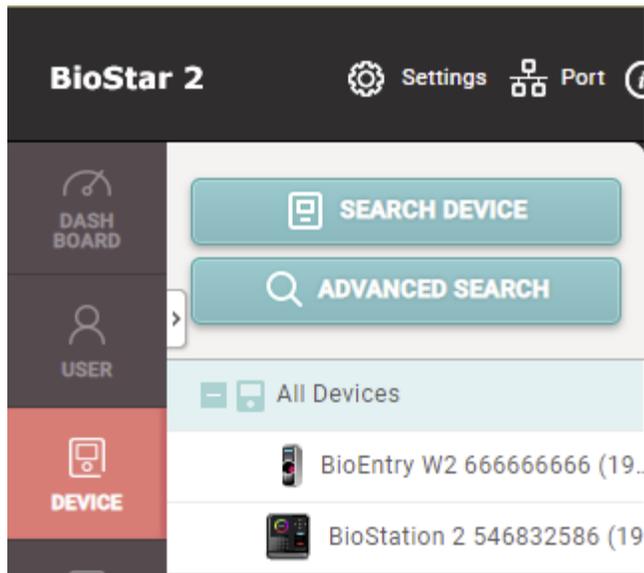
How to use Intelligent Slave?



Relevant Article

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

How to use Intelligent Slave?



Serial

• RS485 • Baud Rate

Intelligent Slave

• Exception Code Disabled

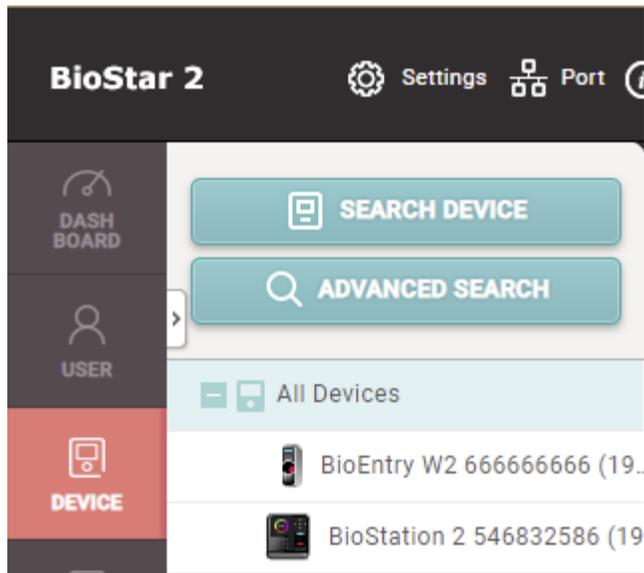
• Output Info Card ID User ID

• OSDP ID

Relevant Article

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

How to use Intelligent Slave?



Serial

• RS485 • Baud Rate

Intelligent Slave

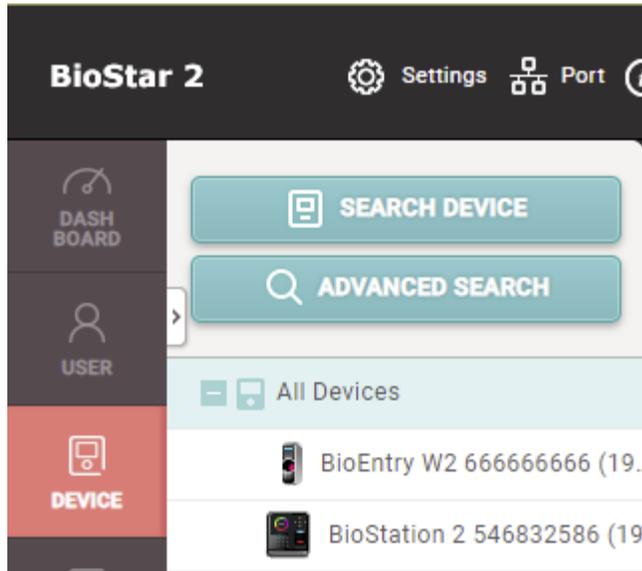
• Exception Code Disabled

• Output Info Card ID User ID • OSDP ID

Relevant Article

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

How to use Intelligent Slave?



Relevant Article

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

Serial

- RS485
- Baud Rate

Intelligent Slave

- Exception Code Disabled
- Output Info Card ID User ID
- OSDP ID

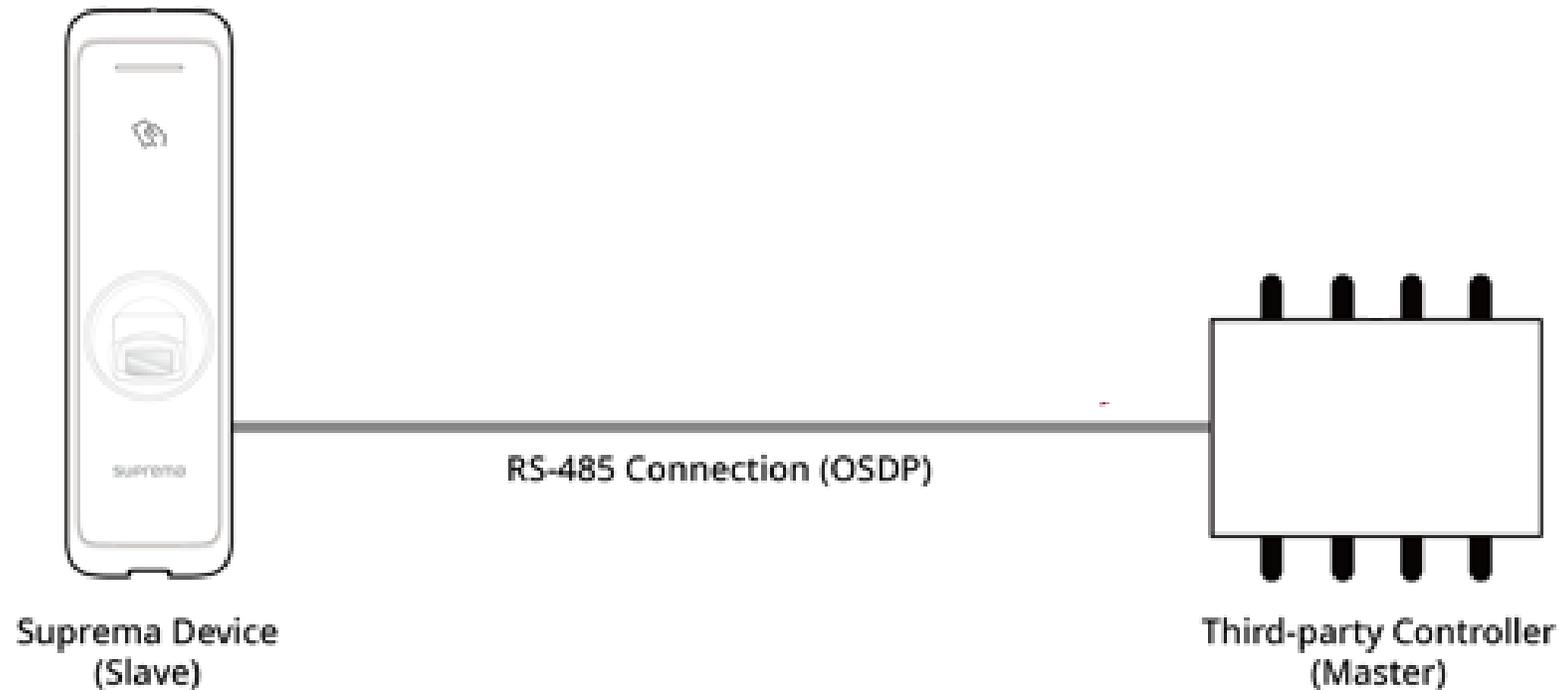
• Exception Code Enabled

Exception Code Value

Decimal Hexadecimal

Max 8 bytes

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.

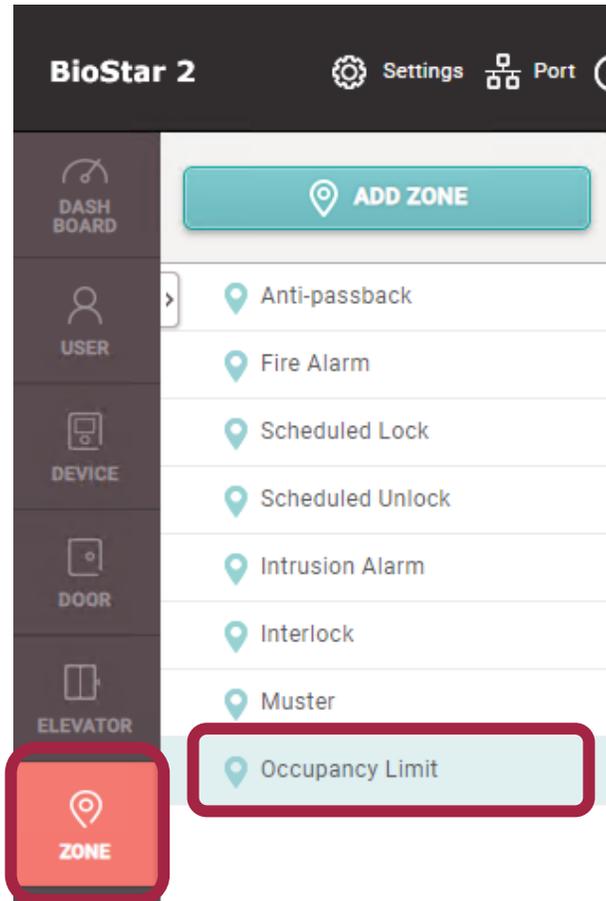
Requirements

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

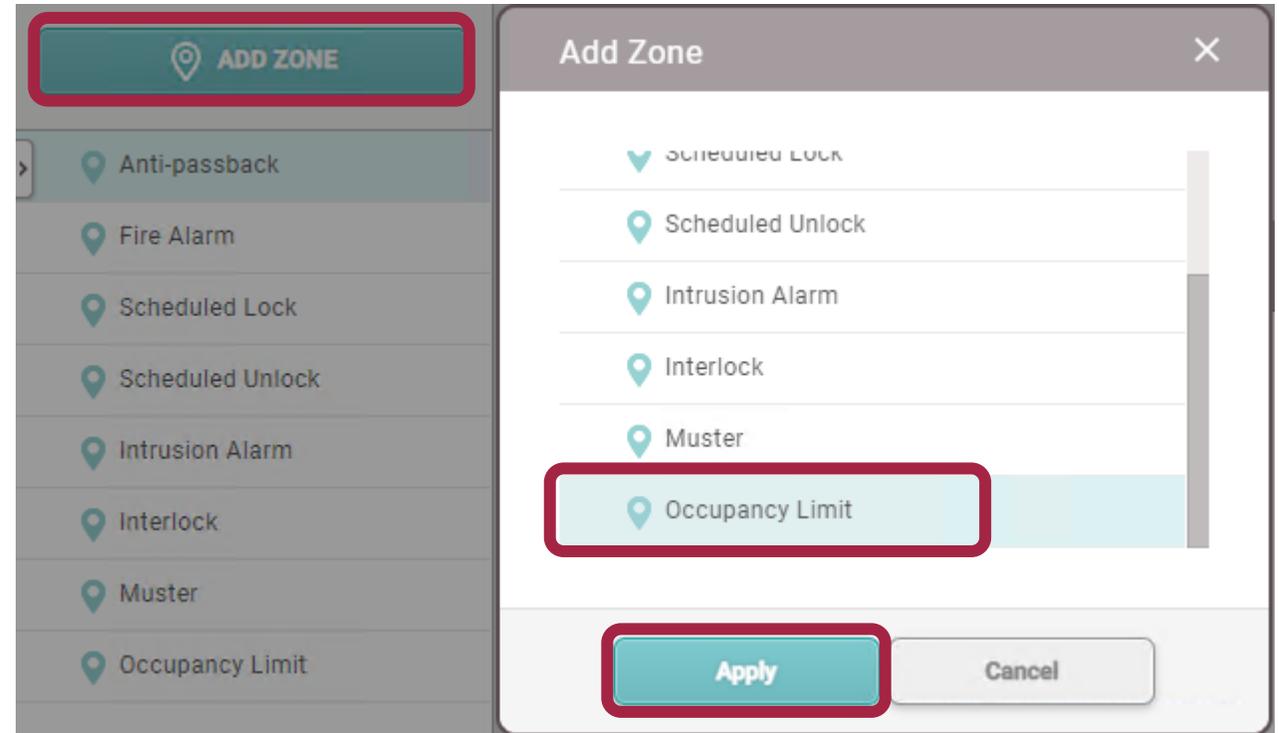
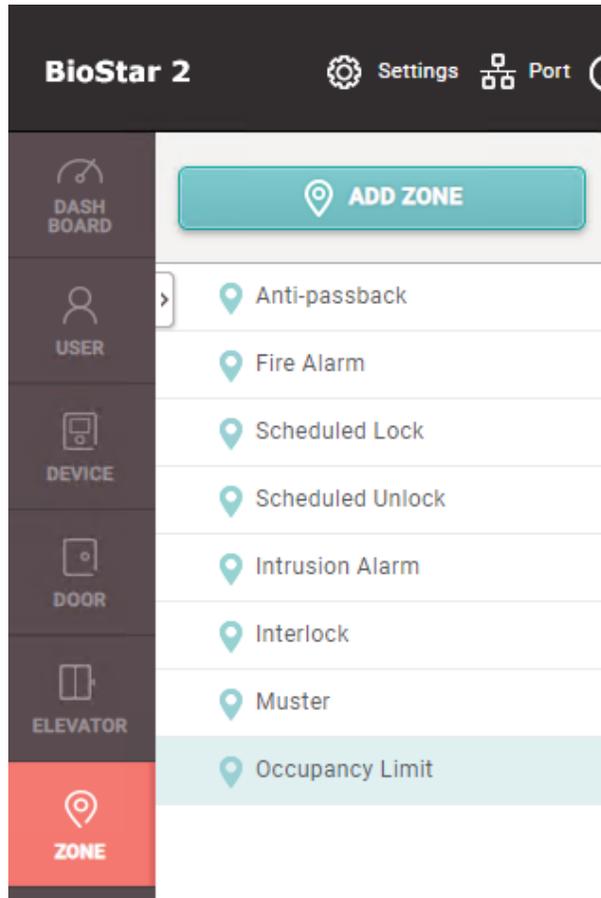
** Devices not listed in the table will be updated each firmware release.*

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?

The screenshot shows the configuration page for an Occupancy Limit Zone. It is divided into two sections: Information and Configuration.

Information

- Name: BioStar 2.8.11 Occupancy Limit Zone

Configuration

- Mode: Global
- Entry Devices: FaceStation F2 547835868 (192.168.13.170)
- Limit: 5 (highlighted with a red box and an arrow pointing to a callout box)
- Count Alert: Use
 - Alert 1: 3
 - Alert 2: 4

Callout Box:

You can enter number from 0 to 10,000.

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

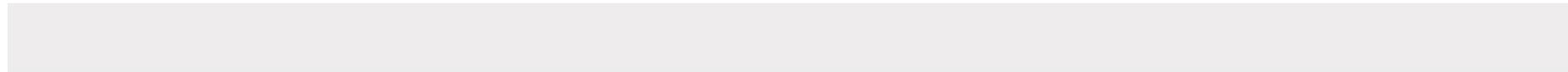
How to setup Occupancy Limit Zone?

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
- Auto Count Reset Not Use
- Network Failure Action Allow Entry and Exit



• Auto Count Reset Use :

*** This follows the time zone set in BioStar 2.**

How to setup Occupancy Limit Zone?

• Active/Inactive Active

• Exit Devices

• Auto Count Reset Not Use

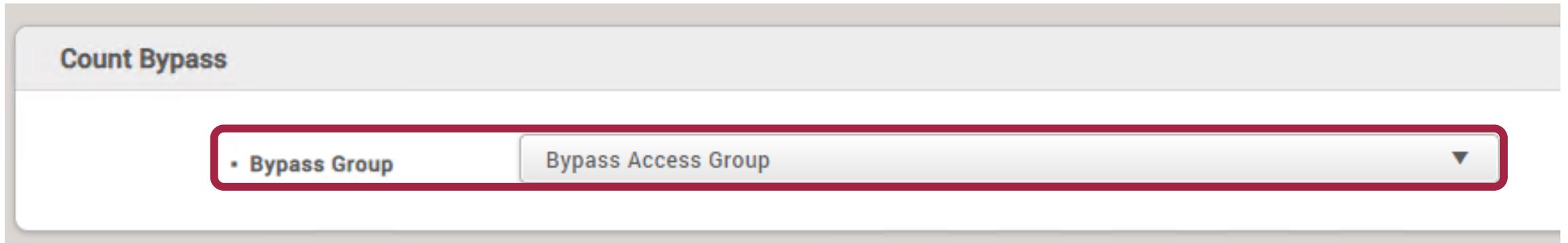
• Network Failure Action Allow Entry and Exit

• Network Failure Action 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

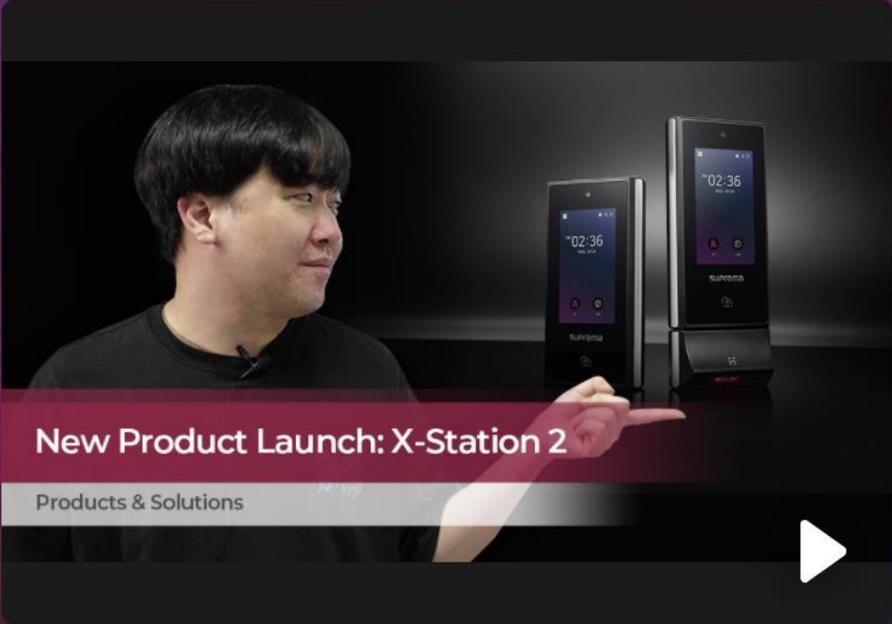
BioStar V2.8.11



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

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 <i>*Including QR/Barcode</i>	500,000
	Max Fingerprint <i>*With FP reader as slave</i>	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

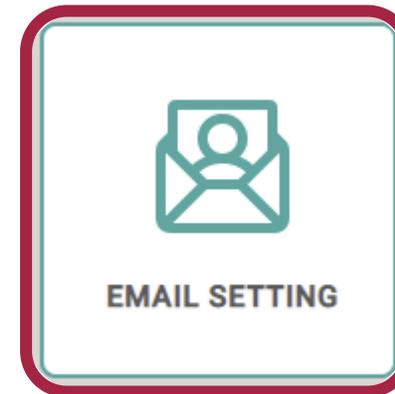
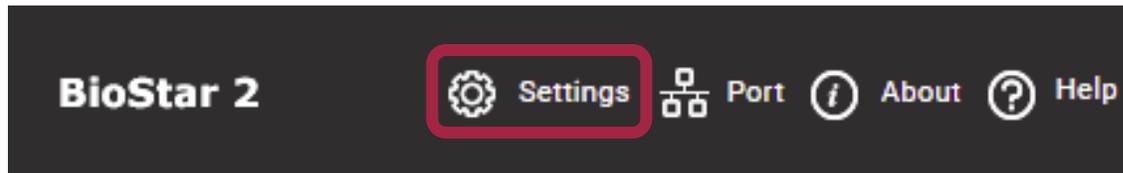
NOTICE

- ✓ 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
- Test Mail Recipient Address

SMTP Option

Sender Information

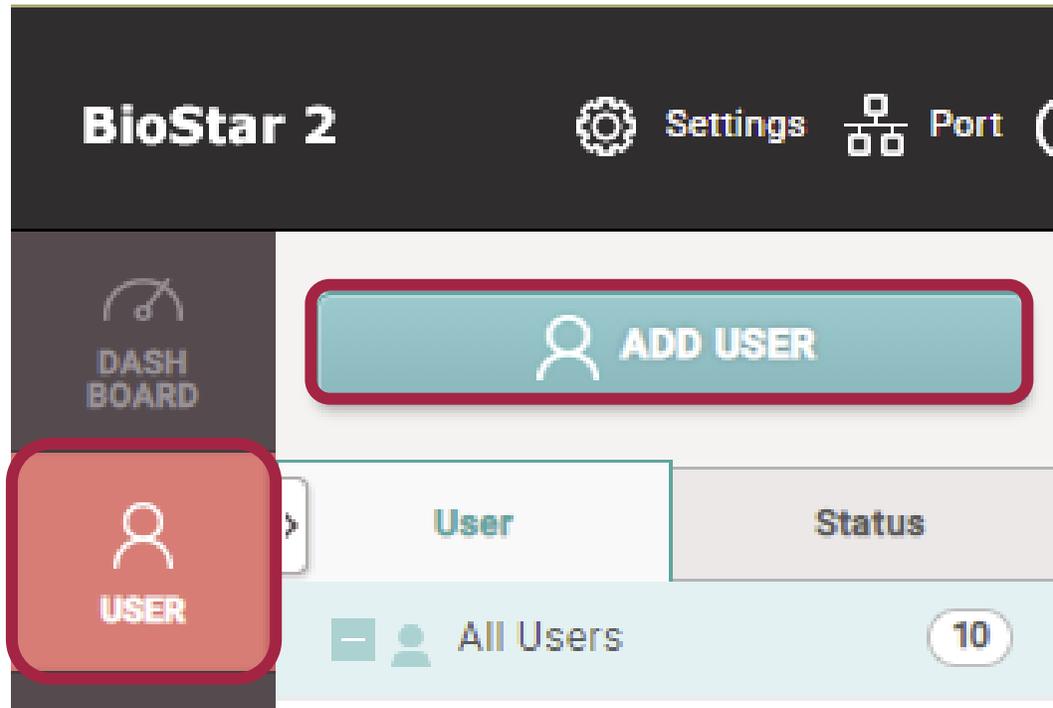
- SMTP Server Name
- Description
- Server Address
- Port(default:25)
- User Name
- Password
- Security Type
- Sender

How to enroll QR in BioStar 2?

QR

- QR Use
- Email Title BioStar 2.8.11 QR
- Company Name BioStar 2
- Company Logo
- Contact helpqr@suprema.co.kr

How to enroll QR in BioStar 2?



How to enroll QR in BioStar 2?

Enroll Card

• 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

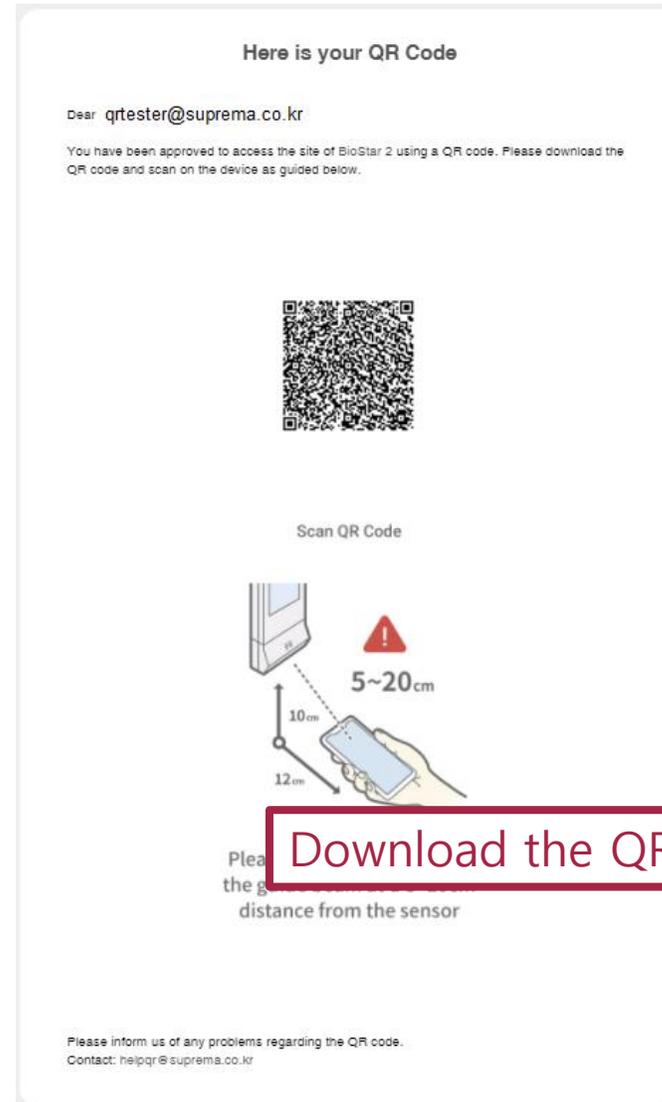
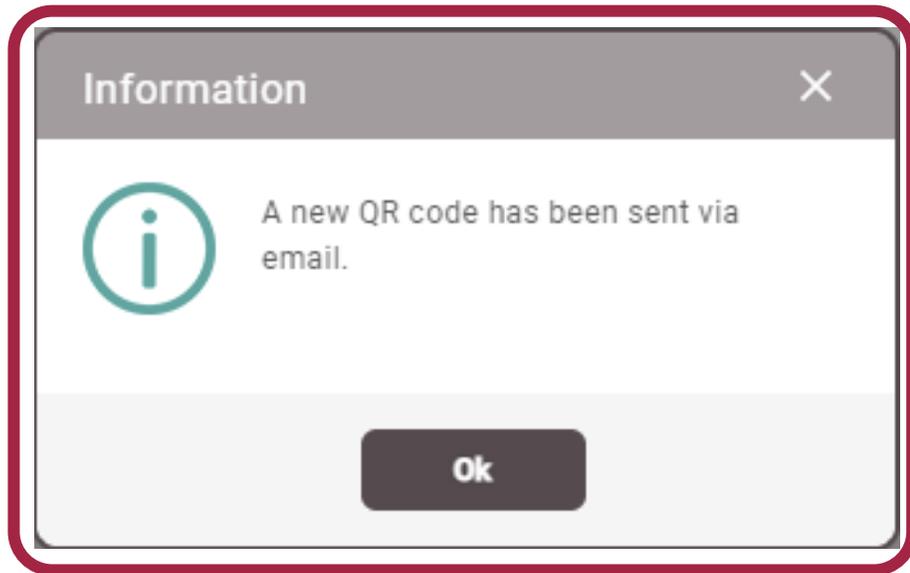
• Credential: + Fingerprint + Face + Visual Face + Card + QR/Barcode

• 1:1 Security Level: Device Default

Type	Card Data Format	Summary	
BioStar 2 QR	BioStar 2 QR	ID: 162347126260057 (Issue Count: 1)	<input type="button" value="Resend"/> <input type="button" value="Block"/> 

- 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?



Download the QR code in the email attachment.

How to enroll 3rd party QR?

← User 3rd party QR
10/10

Information

• Name

• Department

• ID

• Group

• Period ~

• Operator Level

• User IP

• Email

• Title

• Telephone

• Status Active

• Access Group

• Add Photo

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	Card History
QR/Barcode	-	ID: 1234567	Block

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
7											

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?

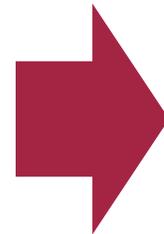
CSV Import
✕

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)	

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)	

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

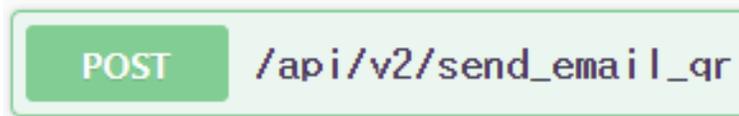
POST /api/users/csv_export

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.