

New Features in BioStar 2.6

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New Devices

■ BioLite N2



■ Xpass D2

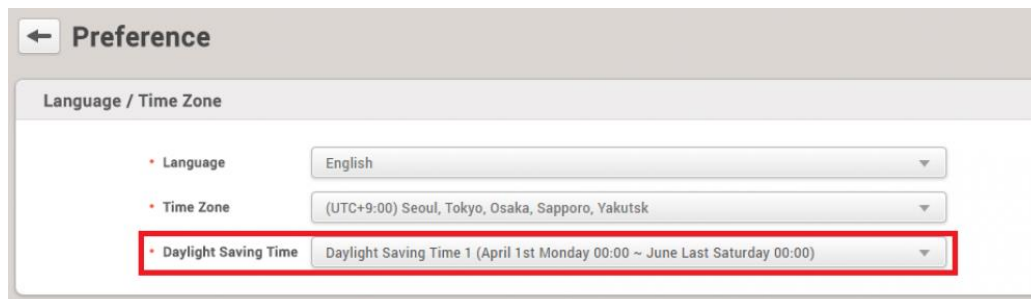
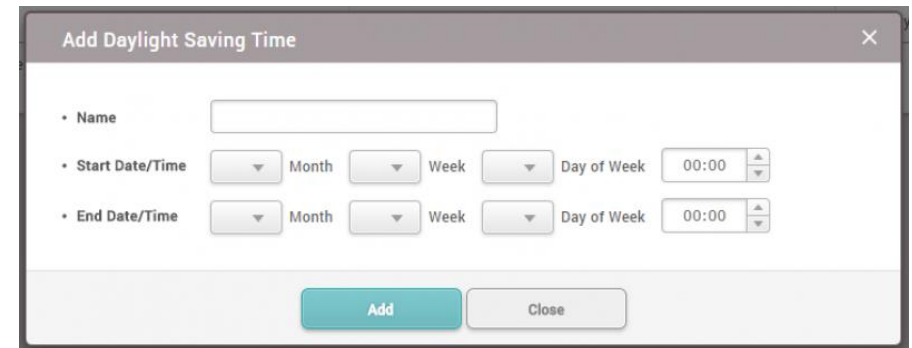
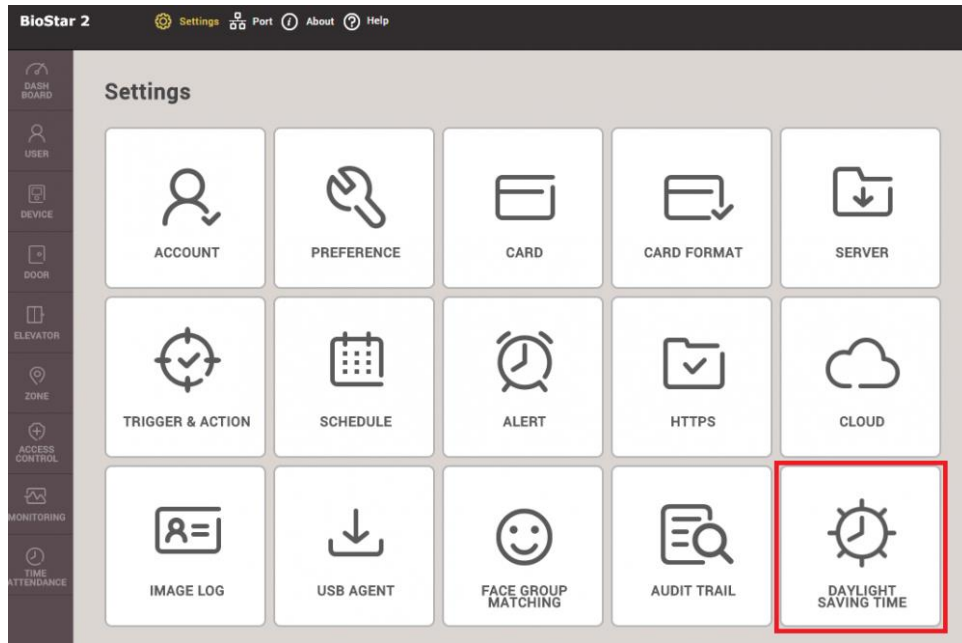


■ Biomini Plus 2



New Features - System

Daylight Saving Time



New Features - System

Database and Device Manual Encryption Key Management

Do not use this feature before fully understanding the cautions

Advanced Security Settings

- Secure communication with device Use
- Use external certificates Not Use
- Server & device encryption key manual management Use
- Encryption Key **Change**

Change data encryption key


Change data encryption key

- New encryption key value
- Confirm new encryption key value

Change to the default administrator password

- New administrator password
- Confirm new administrator password


Ok

 BioStar 2

100%

Start

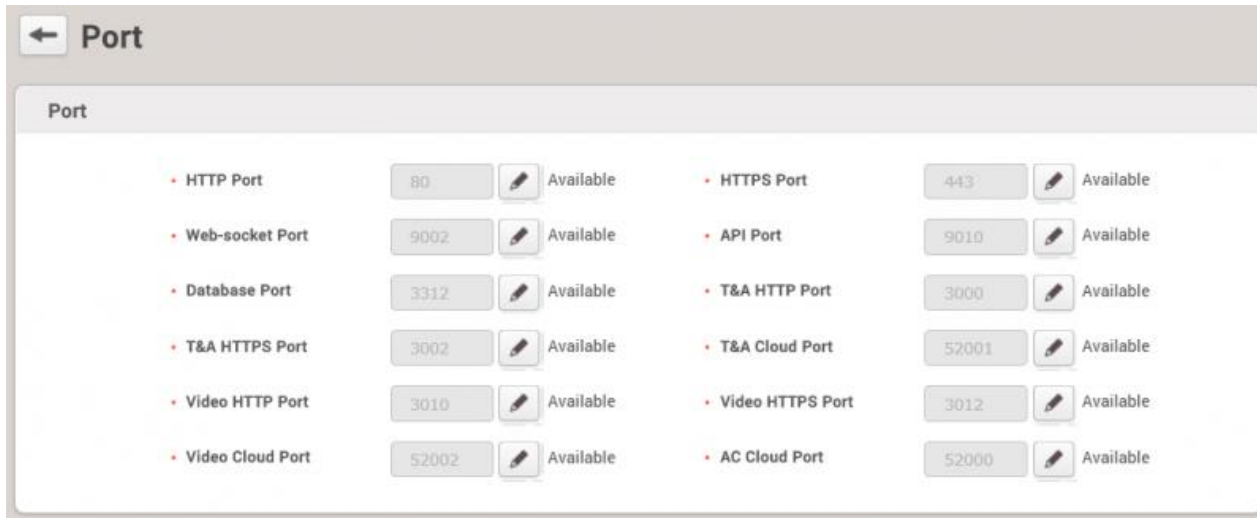
Confirm

 Data migration complete.

Yes

New Features - System

Port Status Display and Configuration



The screenshot shows a 'Port' configuration window with a list of ports and their status. Each port has a text input field for the port number, a pencil icon for editing, and a status label.

Port Name	Port Number	Status
HTTP Port	80	Available
Web-socket Port	9002	Available
Database Port	3312	Available
T&A HTTPS Port	3002	Available
Video HTTP Port	3010	Available
Video Cloud Port	52002	Available
HTTPS Port	443	Available
API Port	9010	Available
T&A HTTP Port	3000	Available
T&A Cloud Port	52001	Available
Video HTTPS Port	3012	Available
AC Cloud Port	52000	Available



This view shows a subset of the port configuration interface. The 'Video HTTP Port' row is highlighted with a red border, indicating it is the current focus. The status for this port is 'Not Available'.

• HTTP Port	80	Available
• Web-socket Port	9002	Available
• Database Port	3312	Available
• T&A HTTPS Port	3002	Available
• Video HTTP Port	9000	Not Available
• Video Cloud Port	52002	Available

New Features - System

System Log Configuration

System Log Level Settings

• System log storage duration day(s) 0: Do not delete system logs

• System log level

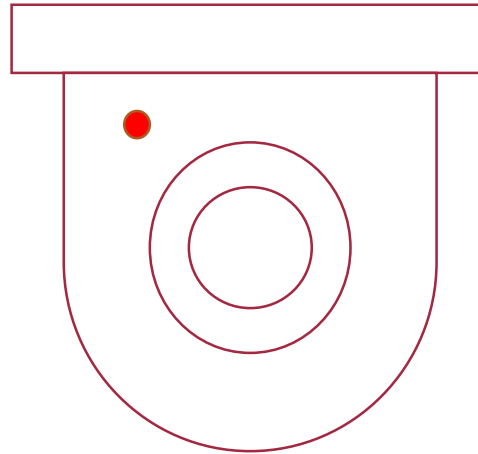
System	Info ▼
Debug	Not Use ▼
Network	Info ▼
Web	Info ▼
SQL	Not Use ▼
WebSocket	Not Use ▼

New Features - Video

Video Module MS SQL Support



Microsoft®
SQL Server®



New Features – User & Card

Unlocking a Blacklisted Card

The screenshot shows a web application interface for managing blacklisted cards. On the left, there is a sidebar with a 'Card' section containing three sub-items: 'Unassigned Card', 'Assigned Card', and 'Blacklist Card'. The 'Blacklist Card' item is currently selected. The main content area is titled 'Blacklist Card' and features a table with the following columns: Card Type, Card Data Format, Card ID, User ID, and User Name. A single row is displayed with the following data: Card Type: CSN, Card Data Format: (empty), Card ID: 125664318, User ID: -, and User Name: -. Above the table, there is a navigation bar with a back arrow, the title 'Blacklist Card', and pagination controls showing '1 / 1'. To the right of the pagination, there is a '50 rows' dropdown menu, a search input field, and a 'Go' button. Below the search input field, there is a red-bordered button labeled 'Unlock' and a three-dot menu icon.

<input checked="" type="checkbox"/>	Card Type	Card Data Format	Card ID	User ID	User Name
<input checked="" type="checkbox"/>	CSN		125664318	-	-

New Features – User & Card

Searching a Wiegand Card in Unassigned Card List

The screenshot shows a software interface for enrolling a card. It features three dropdown menus for configuration: Card Type (Wiegand), Card Data Format (26 bit SIA Standard-H10301), and Registration Option (Assign Card). Below these is a search bar containing '23-53508' and a search icon. Navigation controls include back, forward, and page indicators (1 / 1), along with a '50 rows' dropdown. A table displays the search results, showing one entry with Card ID '23-53508', Type 'Wiegand', and Status 'Unassigned'. At the bottom are 'Enroll' and 'Cancel' buttons.

Card ID	Type	Status
23-53508	Wiegand	Unassigned

New Features – User & Card

SEOS Smart Card Support

Refer to our [FAQ](#) for compatible firmware

Information

• Name • Secondary Key Inactive

MIFARE	iCLASS	DESFire	iCLASS Seos
<p>• Primary Key <input type="checkbox"/> <input type="text" value="New Primary Key"/> <input type="text" value="Confirm New Primary Key"/></p> <p>• Secondary Key <input type="checkbox"/> <input type="text" value="New Secondary Key"/> <input type="text" value="Confirm New Secondary Key"/></p> <p>• ADF Address Value <input type="text" value="2A8570811E1000070000020000"/></p>			

The key values made with 2.5v or before need to be converted to HEX through the below before applying.

Converting Result :

Layout

• Template Count • Template Size

New Features – User & Card

Hexadecimal value for card key

Mifare - 6 byte

iClass – 8 byte

Desfire – 16 byte

← Add New Smart Card

Information

• Name • Secondary Key Inactive

MIFARE | iCLASS | DESFire | iCLASS Seos

• Primary Key

• Secondary Key

• Start Block Index

The key values made with 2.5v or before need to be converted to HEX through the below before applying.

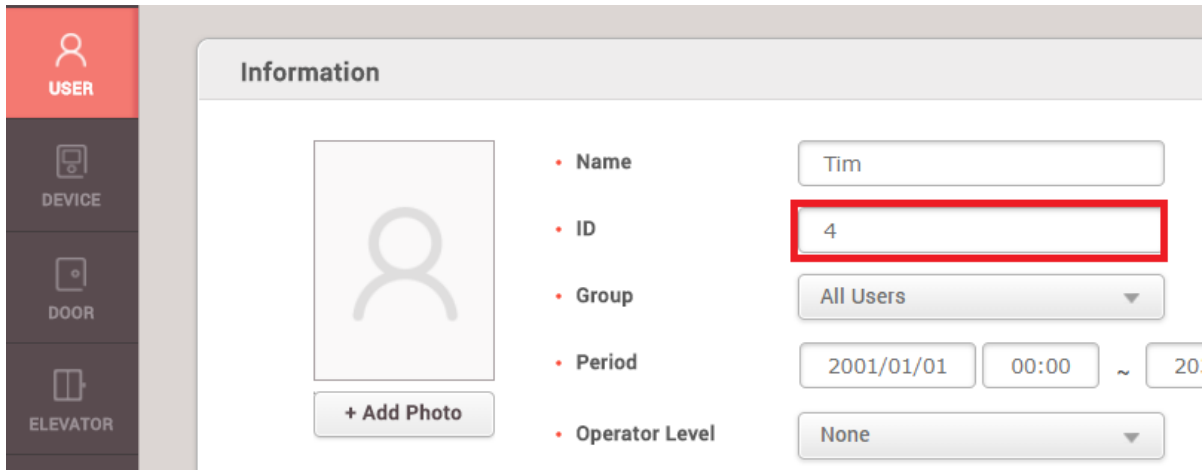
Converting Result :

Layout





• Template Count • Template Size

New Features – User & Card


User ID Auto Increment



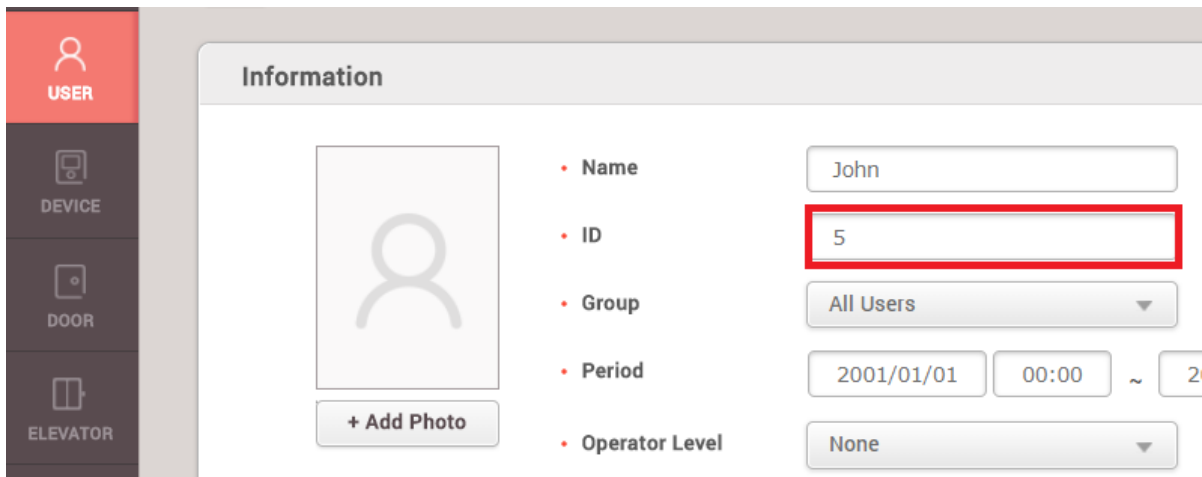
The screenshot shows a user information form for a user named 'Tim'. The form is titled 'Information' and includes a sidebar with navigation options: USER, DEVICE, DOOR, and ELEVATOR. The user's name is 'Tim', and their ID is '4', which is highlighted with a red box. The group is 'All Users', and the period is '2001/01/01 00:00 ~ 20...'. The operator level is 'None'. There is a placeholder for a photo and a '+ Add Photo' button.

	USER
	DEVICE
	DOOR
	ELEVATOR





Information


+ Add Photo


- Name: Tim
- ID: 4
- Group: All Users
- Period: 2001/01/01 00:00 ~ 20...
- Operator Level: None



The screenshot shows a user information form for a user named 'John'. The form is titled 'Information' and includes a sidebar with navigation options: USER, DEVICE, DOOR, and ELEVATOR. The user's name is 'John', and their ID is '5', which is highlighted with a red box. The group is 'All Users', and the period is '2001/01/01 00:00 ~ 2...'. The operator level is 'None'. There is a placeholder for a photo and a '+ Add Photo' button.

	USER
	DEVICE
	DOOR
	ELEVATOR

Information


+ Add Photo

- Name: John
- ID: 5
- Group: All Users
- Period: 2001/01/01 00:00 ~ 2...
- Operator Level: None

New Features – User & Card

Private Authentication with Access on Cards

The screenshot shows the 'Enroll Card' configuration window. At the top, there are dropdown menus for 'Card Type' (Smart Card), 'Device' (BioStation 2 546832513 (192.1...)), 'Card Layout Format' (mifare), and 'Smart Card Type' (Access On Card). Below these is an 'Information' section with several fields: 'Card ID' (2), 'Access Group' (All access), 'Fingerprint' (1st), 'PIN' (empty), and 'Period' (2001-01-01 00:00~20...). A fingerprint image for the '1st Finger' is displayed with a 'Duress' checkbox. At the bottom, a red box highlights the 'Private Auth Mode' section, which contains a card icon, a plus sign, a key icon, and a trash icon, followed by a '+ Add' button. At the very bottom of the window are three buttons: 'Issue Mobile Card', 'Write Smart Card', and 'Cancel'.

New Features – User & Card

Deleting User Data When Issuing Access on Card

Deleted data – PIN, fingerprint, face, email, phone number, birthday, gender

User/Device Management

- Automatic User Synchronization: All Devices
- Fingerprint Template Format: Suprema
- Enrollment Device
- Mobile Card Enrollment: Inactive
- User ID Type: Number

Device ID	Device Name	Device Group	IP Address
Not found			

+ Add

Order	Name	Type	Data
Not found			

+ Add

- Delete personal & credential data when issuing an AoC Active
- AC event log storage duration: Inactive 60 day(s)

New Features – Device

Device Reset Without Resetting Network Settings

Only supported with latest firmware

Not supported for 1 generation entry level devices (Xpass, Xpass S2, BLN, BEP, BEW)


The screenshot shows the configuration page for a BioStation A2 device. The page title is 'BioStation A2 939258556 (192.168.14.185)'. Under the 'Information' tab, various device details are listed. The 'Restore to default' section has two buttons: 'All' and 'Without Network'. The 'Without Network' button is highlighted with a red rectangle. Other settings include 'Firmware Version' (1.5.0), 'Kernel Version' (1.3.0), 'Group' (All Devices), 'Device Type' (BioStation A2), 'Product Name' (BSA2-OMPW), 'Hardware Version' (1.0.0), 'Locked' (Unlock), and 'Time Synchronization with Server' (checked).

Field	Value
Name	BioStation A2 939258556 (192.168.14.185)
Device ID	939258556
Firmware Version	1.5.0 [2018/03/04 ...] Firmware Upgrade
Kernel Version	1.3.0 [2018/03/04 ...]
Restore to default	All Without Network
Time Zone	(UTC+9:00) Seoul, Tokyo, Osaka, Sapporo, Yakutsk
Daylight Saving Time	
Group	All Devices
Device Type	BioStation A2
Product Name	BSA2-OMPW
Hardware Version	1.0.0
Locked	Unlock
Time Synchronization with Server	<input checked="" type="checkbox"/>

New Features – Device

Firmware Upgrade Alert

Firmware Upgrade

 Following devices must be upgraded in order to prevent unstable operations.

Devices (1)

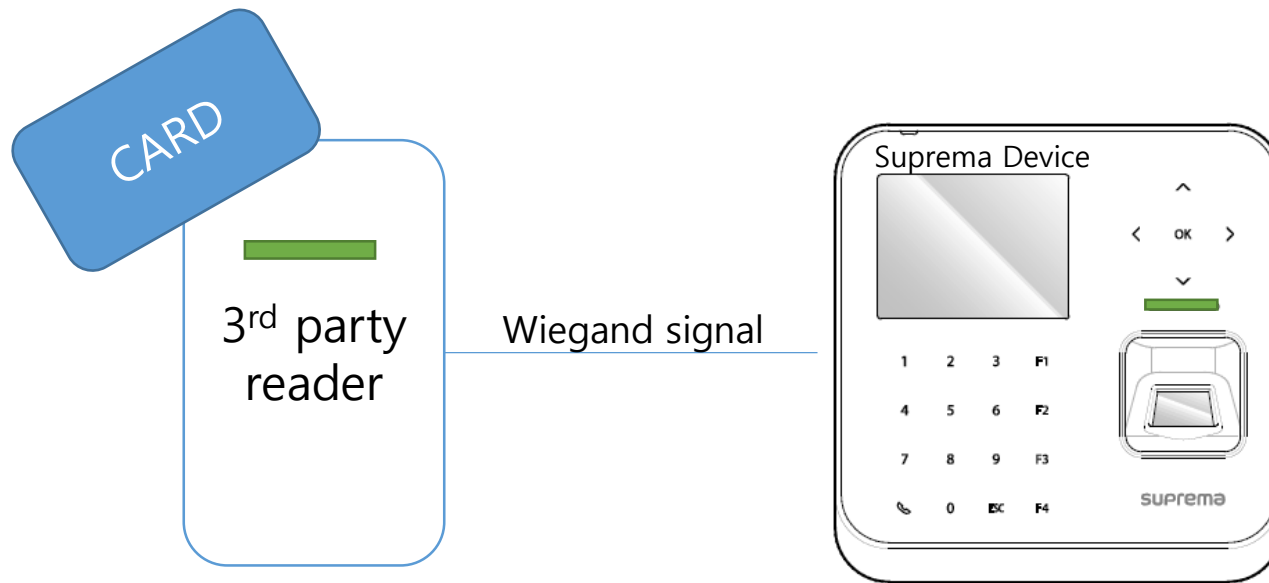
Device Type	Firmware Version	Count
BioStation 2 (BS2-OMPW)	1.6.0	1

Upgrade **Cancel**

New Features – Device

Wiegand Legacy (One Device) Mode Support

Card (3rd party reader) + Biometric (suprema reader) = Authentication Success

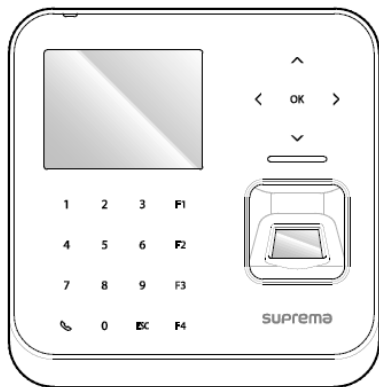


New Features – Device

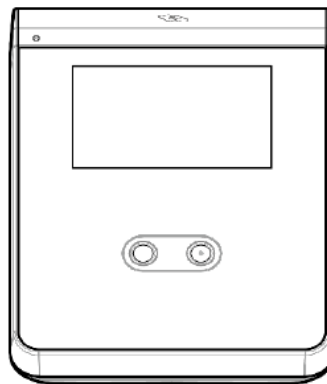
Using Wiegand IN / OUT Simultaneously



Supported models (2ch Wiegand)



BioStation 2



FaceStation 2



BioStation A2

New Features – Device

Duress Input (Event Based Triggers)

The screenshot shows the 'Trigger & Action' configuration page. At the top, there is a back arrow and the title 'Trigger & Action'. Below this, there are two input fields: 'Name' with the value 'Trigger action' and 'Schedule' with the value 'Always'. There are three radio buttons for selection: 'Device' (selected), 'Door', and 'Zone'. Below these are two columns. The left column is a list of devices with checkboxes and search icons. The right column is a list of events with checkboxes. Two events are checked: '1:N duress authentication succeeded (Fingerprint)' and '1:N duress authentication succeeded (Fingerprint - ...)'.

Device	Event
<input type="checkbox"/> All Devices	<input type="checkbox"/> 1:1 authentication succeeded (Access-on-card + Fi
<input type="checkbox"/> BioStation 2 546832513 (192.168.14.180)	<input type="checkbox"/> 1:1 authentication succeeded (Access-on-card + Fi
<input type="checkbox"/> BioStation A2 939258556 (192.168.14.185)	<input type="checkbox"/> 1:1 duress authentication succeeded (Card + Finge
	<input type="checkbox"/> 1:1 duress authentication succeeded (Card + Finge
	<input type="checkbox"/> 1:1 duress authentication succeeded (Access-on-c
	<input type="checkbox"/> 1:1 duress authentication succeeded (Access-on-c
	<input type="checkbox"/> 1:N authentication succeeded (Fingerprint)
	<input type="checkbox"/> 1:N authentication succeeded (Fingerprint + PIN)
	<input type="checkbox"/> 1:N authentication succeeded (Face)
	<input type="checkbox"/> 1:N authentication succeeded (Face + PIN)
	<input checked="" type="checkbox"/> 1:N duress authentication succeeded (Fingerprint)
	<input checked="" type="checkbox"/> 1:N duress authentication succeeded (Fingerprint -
	<input type="checkbox"/> Dual authentication succeeded
	<input type="checkbox"/> Access denied (Invalid access group)
	<input type="checkbox"/> Access denied (Disabled user)

The screenshot shows the 'Add Trigger & Action' configuration page. It is divided into two main sections: 'Trigger' and 'Action'. The 'Trigger' section has two radio buttons: 'Event' (selected) and 'Input'. Below it is an 'Event List' with a search box containing 'duress' and a list of events. The 'Action' section has three radio buttons: 'Output' (selected), 'Alert Sound', and 'Disable Device'. Below these are two sections: 'Port' with a button 'Relay 0' and 'Signal Setting' with a button 'my signal'. At the bottom, there are two buttons: 'Apply' and 'Cancel'.

Trigger	Action
<input checked="" type="radio"/> Event	<input checked="" type="radio"/> Output
<input type="radio"/> Input	<input type="radio"/> Alert Sound
<input type="radio"/> Input	<input type="radio"/> Disable Device
Event List	Port
duress	Relay 0
ss authentication succeeded (ID + Face + PIN)	Signal Setting
ss authentication succeeded (ID + Face)	my signal
ss authentication succeeded (ID + Fingerprint)	
ss authentication succeeded (ID + Fingerprint)	
ss authentication succeeded (ID + PIN)	
ss authentication succeeded (Face + PIN)	
ss authentication succeeded (Face)	
ss authentication succeeded (Fingerprint + PIN)	
ss authentication succeeded (Fingerprint)	

New Features – Device

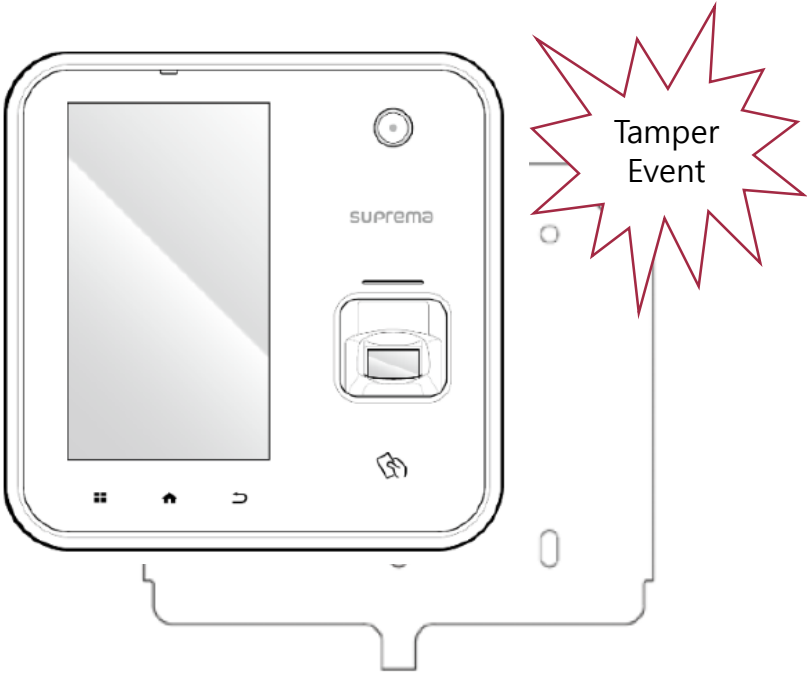
Secure Tamper

• Secure Tamper



On

* All the users, logs, and encryption key in the device will be removed at the secure tamper event.



Wall bracket

New Features – Device

SIP Server Authentication ID Configuration

Account ID and Extension number allows combination of alphabet, number, special characters

Interphone

Use

• SIP Server IP Address

• SIP Server Port

• Account ID

• Open Door Button (DTMF)

• Account Password

• Confirm Password

• DTMF Mode

• Extension Number

Extension Number	Display Name	
<input type="text" value="Extension-1"/>	<input type="text" value="Jim"/>	

New Features – Monitoring

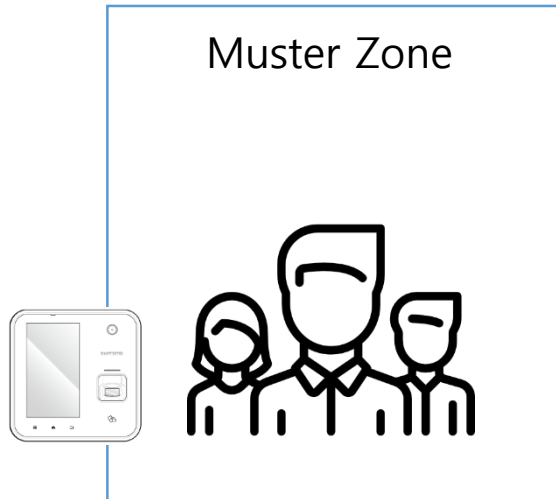
Door Column Added in Monitoring Menu

The screenshot displays the BioStar 2 software interface. On the left is a navigation sidebar with categories: DASH BOARD, USER, DEVICE, DOOR, ELEVATOR, ZONE, ACCESS CONTROL, MONITORING (highlighted in red), and TIME ATTENDANCE. The main content area is titled 'Event Log' and shows a table of events for the period of 1 Day(s) from 2018/03/27 00:00 to 2018/03/27 23:59. A red box highlights the newly added 'Door' column in the table header. The table contains 15 rows of event data.

Date	Door	Device ID	Device	User Group	User	Event	View
2018/03/27 15:43:29	15F office	541531003	BioStation A2 541531003 (192.1...			Door locked	
2018/03/27 15:43:26	15F office	541531003	BioStation A2 541531003 (192.1...			Door unlocked	
2018/03/27 15:43:26		541531003	BioStation A2 541531003 (192.1...	User Group 2	4(ethan)	1:1 authentication succeeded (ID + PIN)	
2018/03/27 15:41:37	14F office	546832593	BioStation 2 546832593 (192.16...			Door locked	
2018/03/27 15:41:34	14F office	546832593	BioStation 2 546832593 (192.16...			Door unlocked	
2018/03/27 15:41:34		546832593	BioStation 2 546832593 (192.16...	User Group 1	2(hailey)	1:1 authentication succeeded (ID + PIN)	
2018/03/27 15:40:42	14F office	546832593	BioStation 2 546832593 (192.16...			Door locked	
2018/03/27 15:40:39	14F office	546832593	BioStation 2 546832593 (192.16...			Door unlocked	
2018/03/27 15:40:39		546832593	BioStation 2 546832593 (192.16...	User Group 1	2(hailey)	1:1 authentication succeeded (ID + PIN)	
2018/03/27 15:39:03	14F office	546832593	BioStation 2 546832593 (192.16...			Door locked	
2018/03/27 15:39:00	14F office	546832593	BioStation 2 546832593 (192.16...			Door unlocked	
2018/03/27 15:39:00		546832593	BioStation 2 546832593 (192.16...	User Group 1	2(hailey)	1:1 authentication succeeded (ID + PIN)	
2018/03/27 15:37:01	14F office	546832593	BioStation 2 546832593 (192.16...			Door locked	
2018/03/27 15:36:58	14F office	546832593	BioStation 2 546832593 (192.16...			Door unlocked	

New Features – Zone

Muster Zone



In Users 1, Out Users 1, Total Users 3 Auto refresh at every minute ↻ ⋮

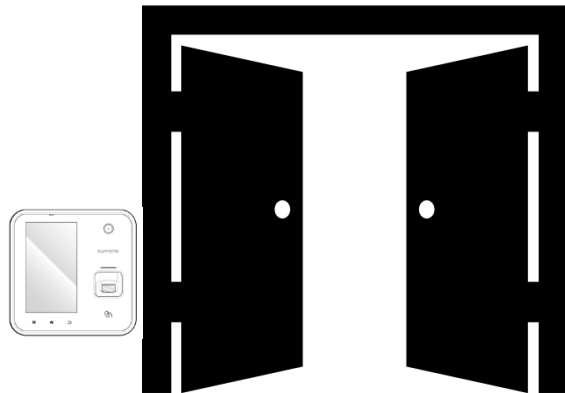
User ID	User	User Group	Entry Time	Exit Time	Time Limit Ex...	Status
3	Ethan	TS Team	-	-	Normal	-
4	E Left Third	TS Team	2018/03/19 16:00:16	2018/03/19 16:00:31	Normal	Out
5	E left fourth	Sales Team	2018/03/19 16:00:13	-	Exceeded	In

New Features – Zone

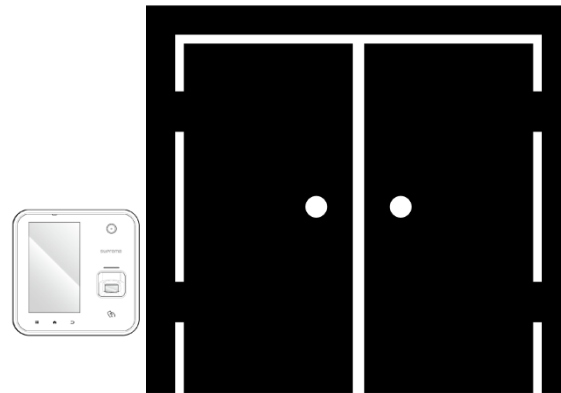
Interlock Zone

Supported with CoreStation only as master device

Door 1 Open



Door 2 Closed



License Changes

Refer to the FAQ article for details for upgrade instructions

License for Access Control

	Items	Starter (Free)	Basic	Standard	Advanced	Professional	Enterprise
Access Control	Max. User	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
	Max. Device	1,000	1,000	1,000	1,000	1,000	1,000
	Max. Door	5	20	50	100	300	1,000
	Zone	-	-	Supported	Supported	Supported	Supported
	Elevator	-	-	-	Supported	Supported	Supported
	Server Matching	-	-	-	Supported	Supported	Supported
	Cloud	-	-	Supported	Supported	Supported	Supported
	Local API Server	-	-	Supported	Supported	Supported	Supported
	Max. Mobile Card	-	-	250	500	1,000	Unlimited

Note

- If there is an AC Standard license already in use, it is replaced by an Advance license.

License for Time Attendance

Items	Basic (Free)	TA License
Number of Schedules	1	Unlimited
Number of User per Schedule	99	Unlimited

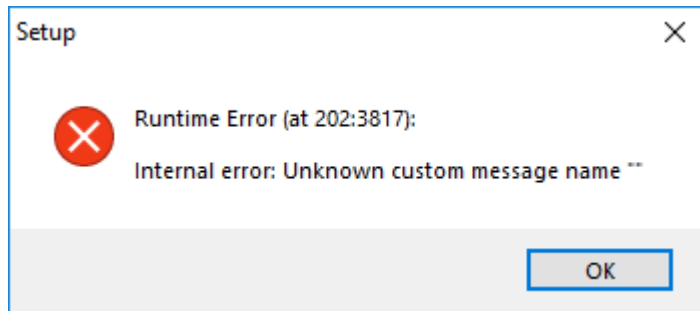
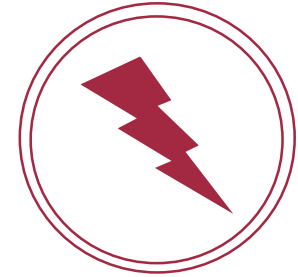
License for Video

Items	Basic (Free)	Video License
Video Log	-	Supported

Hotfix Version - BioStar 2.6.1

Fixed Bugs

- Monitoring page performance issue (MSSQL Database)
- Issue when upgrading from version 2.4.1 (and below) > 2.5.0 > 2.6.0



Upgrade Process

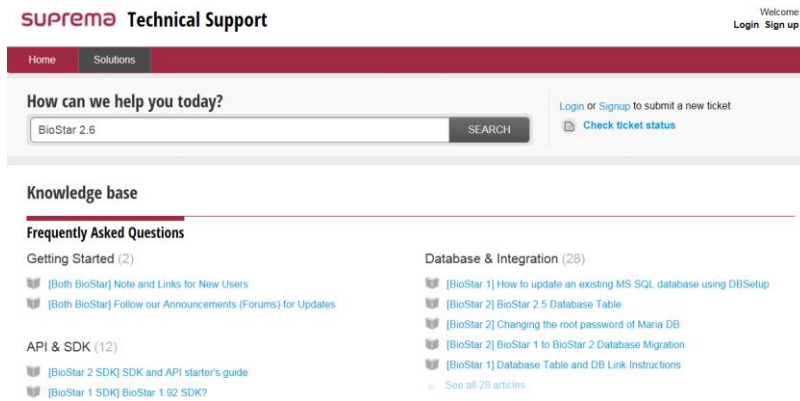
- Possible upgrade paths
 - 2.5.0 > 2.6.1
 - 2.6.0 > 2.6.1

FAQ and Configuration Guide

[Release Notice](#)

New Features
BioStar 2.6 FAQ
Download Link

[FAQ and Announcements](#)



The screenshot shows the SUPrema Technical Support website. At the top left is the logo "SUPrema Technical Support". On the top right, it says "Welcome" and has links for "Login" and "Sign up". Below the logo is a navigation bar with "Home" and "Solutions" tabs. A search bar is present with the text "BioStar 2.6" and a "SEARCH" button. To the right of the search bar, it says "Login or Signup to submit a new ticket" and has a "Check ticket status" link. Below the search bar is a "Knowledge base" section with a "Frequently Asked Questions" heading. Under this heading, there are three categories: "Getting Started (2)", "API & SDK (12)", and "Database & Integration (28)". Each category has a list of links with document icons. The "Getting Started" category includes links for "Note and Links for New Users" and "Follow our Announcements (Forums) for Updates". The "API & SDK" category includes links for "SDK and API starter's guide" and "BioStar 1.92 SDK?". The "Database & Integration" category includes links for "How to update an existing MS SQL database using DBSetup", "BioStar 2.5 Database Table", "Changing the root password of Maria DB", "BioStar 1 to BioStar 2 Database Migration", and "Database Table and DB Link Instructions". There is also a "See all 28 articles" link.

[Configuration Guides](#)

**System
Configuration**



| Thank You