

# BioStar 2.7

# New Feature Introduction

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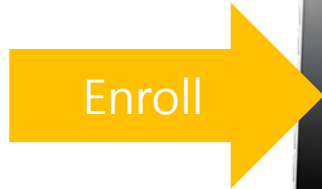
# **New Features and Improvements**

## **Access Control**

# Manage Users in Device



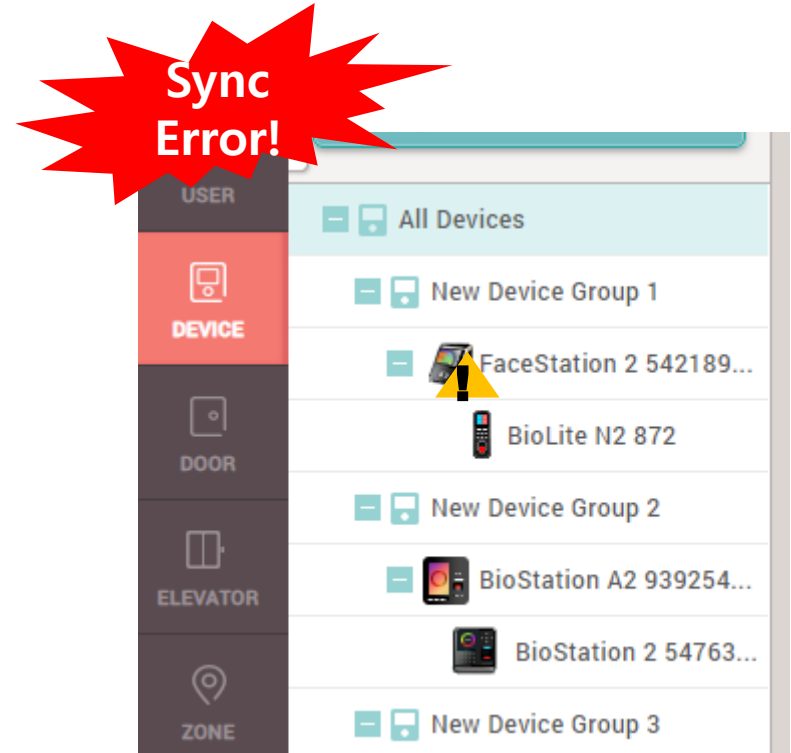
3,050 Users



Device



Max.User  
3,000 (1:N)



⚠️ Sync error occurs when data exceeds device capacity.  
However, many users do not know why a sync error occurs.

# Manage Users in Device

The number of users, fingerprints faces, and cards

Latest FW

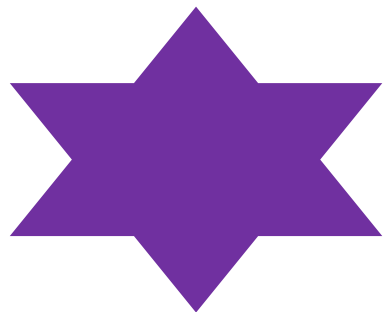
The screenshot shows the 'Manage Users in Device' window for a BioStation A2 device. The window title is 'Manage Users in Device' and the device name is 'BioStation A2 939258556 (192.168.14.185)'. The statistics bar shows 1,498 users, 5 fingerprints, 0 faces, and 1,433 cards. The table below lists several users with their IDs, fingerprint counts, face counts, security levels, and statuses.

	User ID	Fingerprint	Face	1:1 Security Le...	Status
<input type="checkbox"/>	070055	0	0	Device Default	New User
<input type="checkbox"/>	070051	0	0	Device Default	New User
<input type="checkbox"/>	070049	0	0	Device Default	New User
<input type="checkbox"/>	070048	0	0	Device Default	New User
<input type="checkbox"/>	070046	0	0	Device Default	New User
<input type="checkbox"/>	070043	0	0	Device Default	New User
<input type="checkbox"/>	070042	0	0	Device Default	New User
<input type="checkbox"/>	070041	0	0	Device Default	New User

Entry V2 devices are NOT supported

# DESFire Card Configuration

3<sup>rd</sup> party system



Suprema Device



Can't read the card

Key	Value	Index
PICC Master	0xEF	0 (FIXED)
App Master	0x01	0 (FIXED)
Read Access	0x05	2
Write Access	0x42	3
...	...	...

Key	Value	Index
PICC Master	0xEF	0 (FIXED)

Device **MUST** have other key settings too

**DESFire advanced option allows Suprema device to read card issued by 3<sup>rd</sup> party system even with different key setting**



# DESFire Card Configuration

## DESFire advanced option

Latest FW

MIFARE iCLASS **DESFire** iCLASS Seos

- DESFire Advanced  Disable
- Primary Key 
  - New Primary Key
  - Confirm New Primary Key

The key values made with 2.5v or before need to be

**Mobile card is NOT supported**

- DESFire Advanced  Enabled
- App Master Key **16 bytes**
  - New App Master Key
  - Confirm New App Master Key
- File Read Access Key **16 bytes**
  - New File Read Access Key
  - Confirm File Read Access Key
- File Write Access Key **16 bytes**
  - New File Write Access Key
  - New File Write Access Key
- App ID 1
- Encryption Type
  - DES/3DES
  - DES/3DES
  - AES
- App Master Key Index 0
- File Read Access Key Index 1
- File Write Access Key Index 2
- File ID 1
- Template Count 2
- Template Size 300

AES is added



# DESFire Card Configuration

## DESFire advanced option

MIFARE iCLASS **DESFire** iCLASS Seos

• DESFire Advanced  Disable

• Primary Key

• Secondary Key

• App ID

• File ID

• Encryption Type

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

Converting Result :

Layout

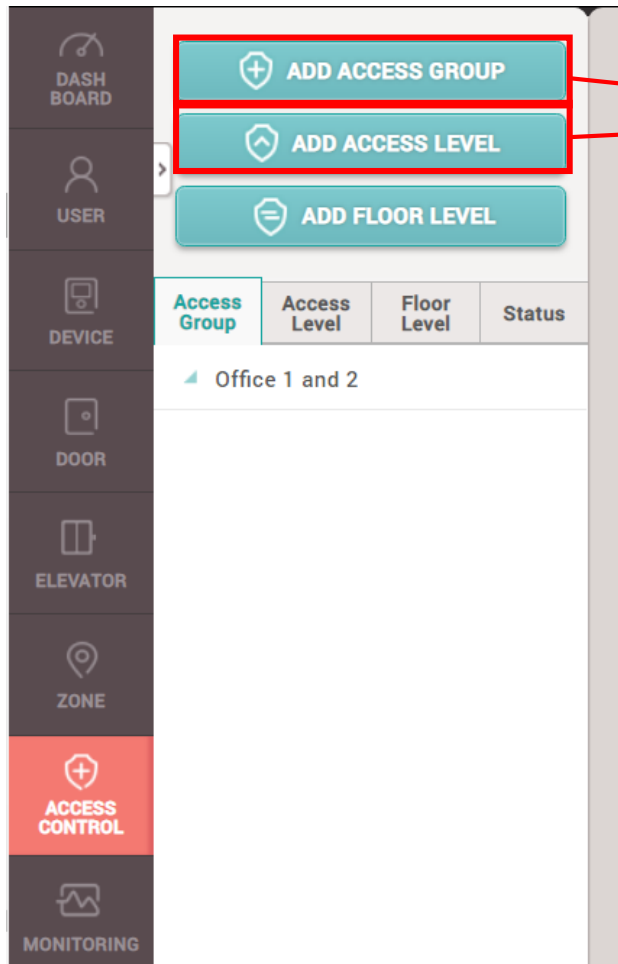
• Template Count

**If your PICC key has a value other than default, disable DESFire Advanced and apply Primary/Secondary to the device before setting advanced option.**

# Unlimited Access Groups & Levels

Unlimited number of Access groups and Access Levels

Latest FW



Unlimited Access Groups & Levels

**BUT, FW can accommodate up to 2048  
(Entry V2 devices and old FW - Up to  
128)**

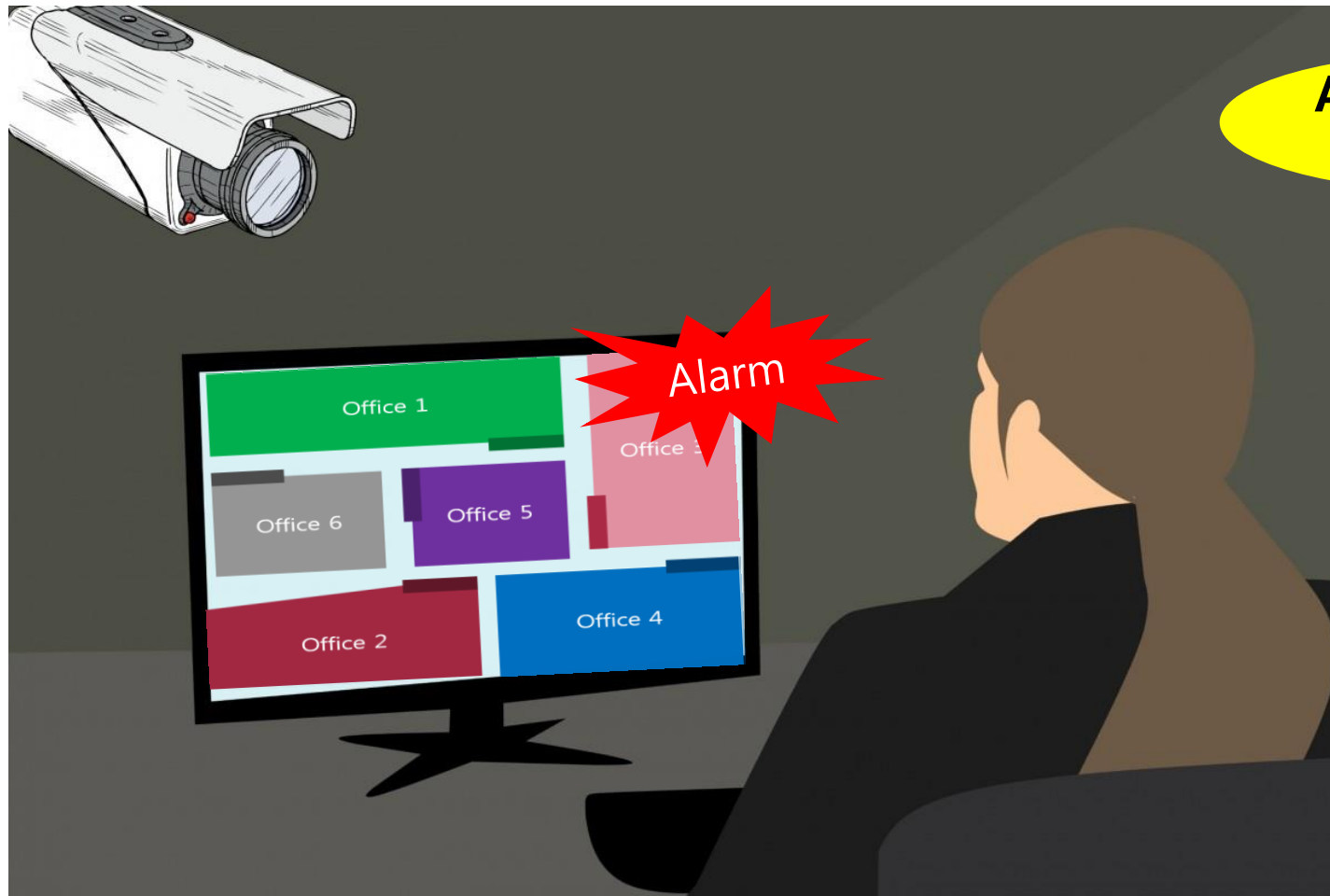


Sync error occurs when the number that can be accommodated in FW is exceeded.

## Graphic Map

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Graphic map which you can check door status visually



# Graphic Map

## How to set up Graphic Map?

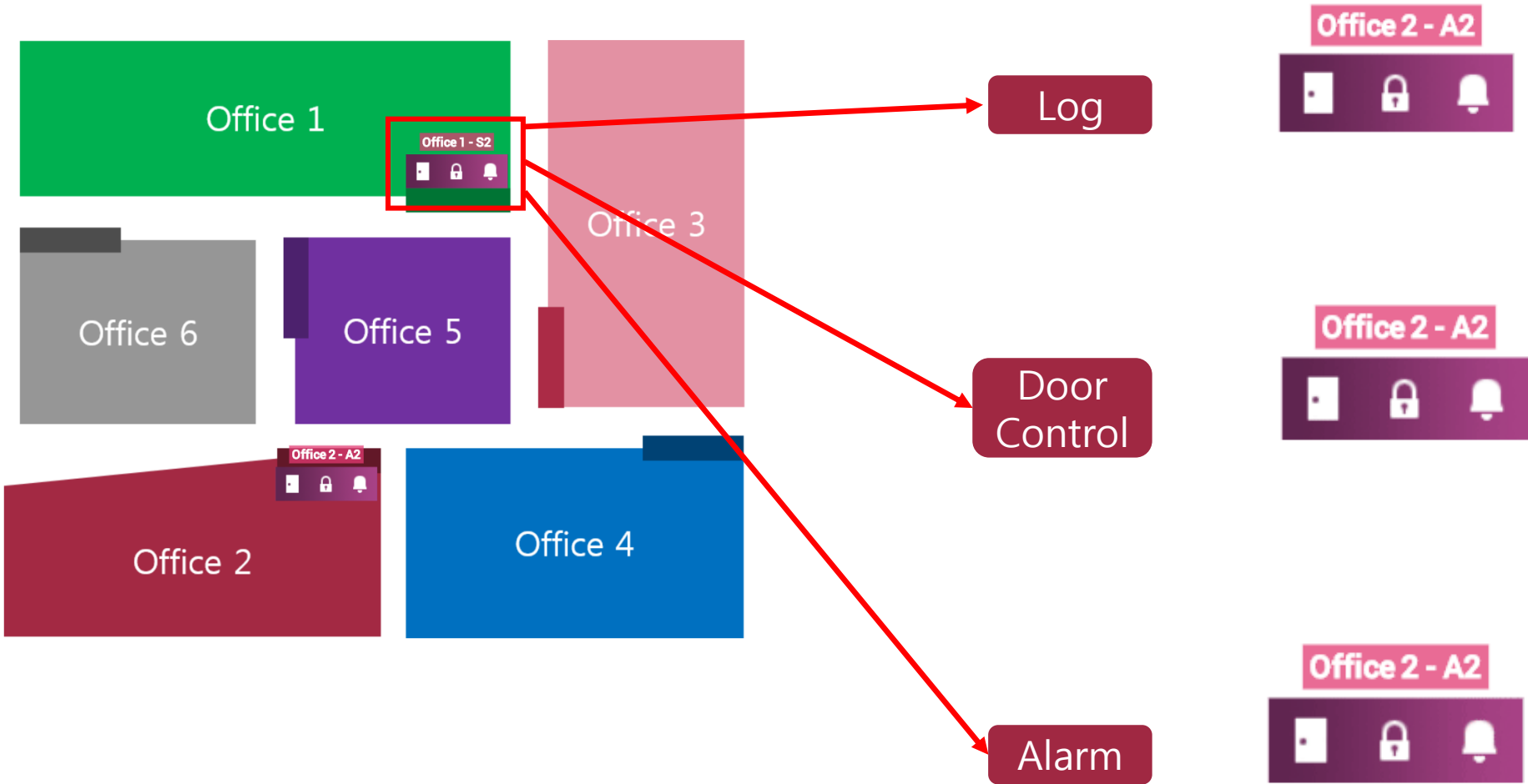
The image illustrates the steps to set up a Graphic Map in a monitoring system. The interface is divided into several sections:

- Step 1:** The **MONITORING** icon is highlighted in the left sidebar under the **ACCESS CONTROL** category.
- Step 2:** The **Graphic Map View** button is highlighted in the top navigation bar.
- Step 3:** The **ADD GRAPHIC MAP** button is highlighted in the top navigation bar.
- Step 4:** The **Configuration** panel is highlighted, showing the following settings:
  - Name:** Floor #14
  - Background:** Upload
  - Door:** Office 2 - A2 + 1
    - All Doors
    - Office 1 - S2
    - Office 2 - A2

The main area displays a **GraphicMapTest** view of a floor plan with several offices: Office 1 (green), Office 3 (pink), Office 5 (purple), and Office 6 (grey). Specific door labels like **Office 1 - S2** and **Office 2 - A2** are visible on the map.

# Graphic Map

How does Graphic map show each status of door?



**Only door-alarm**

# Graphic Map

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## Background File Type?

JPG, JPEG, PNG, BMP,  
GIF up to 5M bytes

## Icon Size?



Under discussion

# FAQ

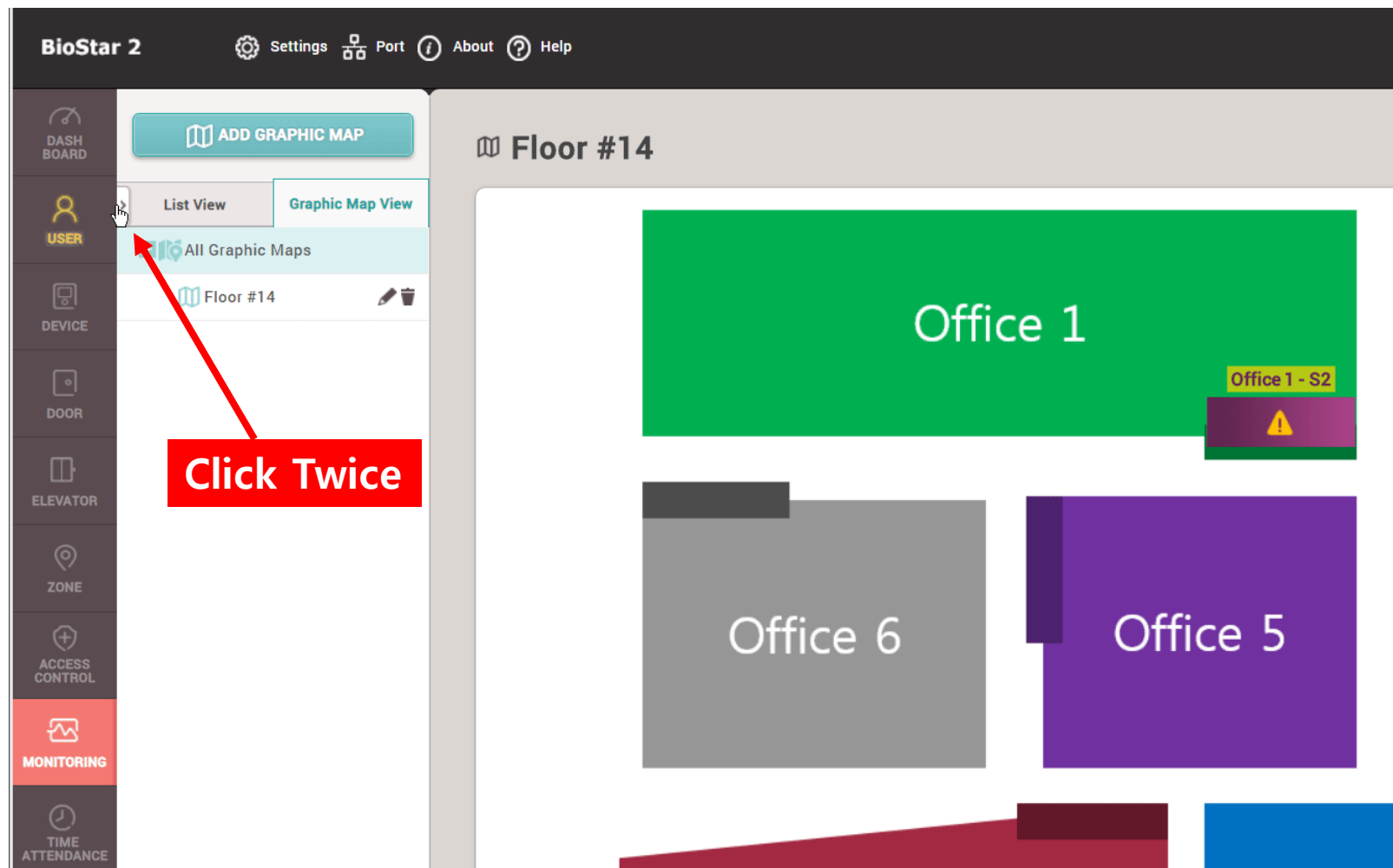
## Zone Status?

Under development  
BioStar 2.7.2(Jan 2019)

## Full Screen?

Not supported

# Graphic Map



**Similar to Full Screen...**

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# **New Features and Improvements**

## **Time and Attendance**



# Floating Shift

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**Kate's Schedule**

DAY	SHIFT
MON	SHIFT 1
TUE	SHIFT 2
WED	SHIFT 3
THR	SHIFT 3
FRI	SHIFT 2
SAT	SHIFT 1
SUN	SHIFT 1

**YJ's Schedule**

DAY	SHIFT
MON	SHIFT 3
TUE	SHIFT 2
WED	SHIFT 1
THR	SHIFT 1
FRI	SHIFT 2
SAT	SHIFT 3
SUN	SHIFT 1

**Automatically assign each shift and calculate working time with Floating Shift**

# Floating Shift

**← ADD SHIFT**

- Name
- Description
- Type  Fixed  Flexible  Floating
- Segment  Apply leave by this segment


**TA License**

**Up to 5 Segements**

Apply leave by this segment

**Time segment**

00:00-08:00

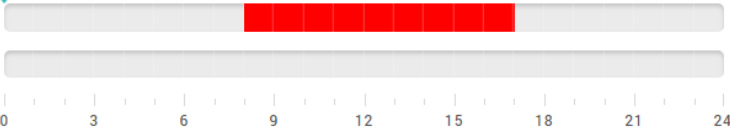
Current day 

Next day

Apply leave by this segment

**Time segment**

08:00-17:00

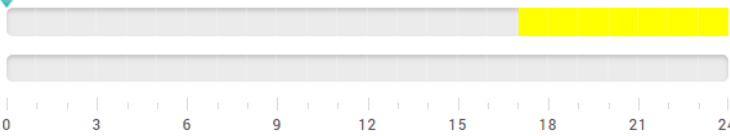
Current day 

Next day

Apply leave by this segment

**Time segment**

17:00-23:59

Current day 

Next day

**+ Add**

# Floating Shift

## Punch-in granted time range



Punch in  
7:43

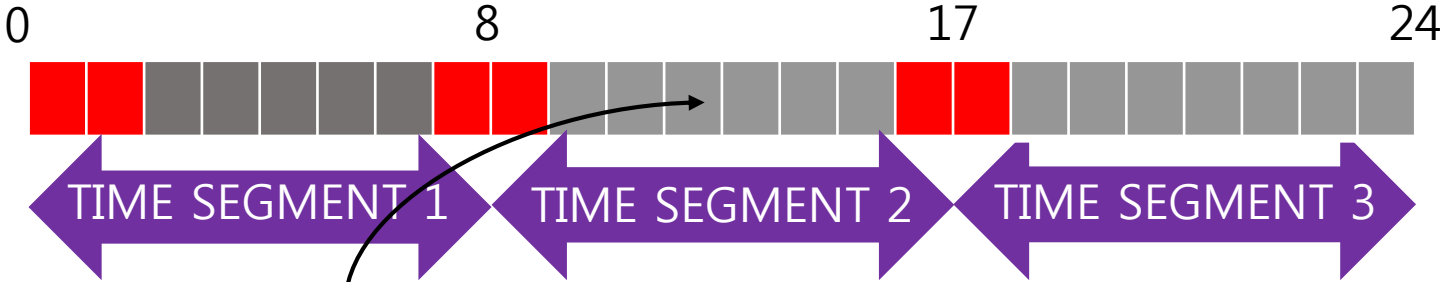
Automatically apply shift rules with Time segment 2

In	Out	Exception	Regular hours
<a href="#">07:43:00</a>	<a href="#">17:35:00</a>	-	9:00:00

Punch out  
17:35

# Floating Shift

## Punch-in granted time range



Punch in  
13:00



There's no corresponding 'Punch-in granted time'

In	Out	Exception	Regular hours
=	=	Absence	0:00:00

# Working Time Alarm Report

## Working alarm time report

**ADD FILTER**

Shift Schedule **Report** ⚙️

- Daily Report
- Daily Summary Report
- Individual Report
- Individual Summary Re...
- Leave Report
- Exception Report
- Edit History Report
- Working alarm time Re...**

**Filter Conditions**

- Name: Working alarm time Report
- Report Type: Working alarm time **Working Alarm Time** Column Setting
- Working alarm time: **20**
- User Group: All Users Q User Q

**Report Period**

- Period: **Weekly ( 2018-11-05 ~ 2018-11-11 )** Period

**Automated Email**

- Email
- Day of Week: THU + 1 Time: 5:00
- Recipient: 0 Edit

**Working alarm time Report** 1 / 1 50 rows

Name	User ID	Department	Regular hours	Overtime hours	Exceeded hours
Administrator	1	All Users	8:00:00	0:00:00	0:00:00
<b>Kate</b>	2	All Users	<b>23:37:55</b>	0:00:00	<b>3:37:58</b>
YJ_idxFngr					
YJ_Thumb_KBCard					

**Administrator can check who has exceeded the 'Working alarm time'**

# Working Time Alarm Report

## Automated alarm email setting

The screenshot displays a web application interface for configuring automated alarm email settings. The main menu on the left includes options like USER, DEVICE, DOOR, ELEVATOR, ZONE, ACCESS CONTROL, and MONITORING, with 'TIME ATTENDANCE' highlighted at the bottom. The 'Report' tab is selected, and a gear icon in the top right corner of the 'Report' section is highlighted with a red box. The 'Setting' dialog is open, showing a list of 'Unregistered Devices' with one device, 'BioStation L2 540084005 (192.168.14.164)', listed. Below this, the 'Sender Information' section is highlighted with a red box and contains an 'Edit' button. The 'Export' section below it shows a dropdown menu with a comma as the selected file separation delimiter. The 'Sender Information' dialog box is open, showing the following fields:

- SMTP Server Name: Admin email
- Description: gmail
- Server Address: smtp.gmail.com
- Port(default:25): 465
- User Name: tech@suprema.co.kr
- Password: .....
- Security Type: SSL
- Sender: tech@suprema.co.kr

Buttons for 'Apply' and 'Cancel' are located at the bottom of the dialog.



# Minimum Duration Setting of Overtime

The minimum duration setting when configuring the overtime management

**ADD RULE**

- Name** overtime
- Description**
- Overtime**
  - Not Use
  - Daily overtime

Apply **OTCode** after 5 hour(s) **0** minute(s) **Minute(s)**

Apply **OTCode** after 3 hour(s) **0** minute(s) of [ **OTCode** ]

Max overtime **0** hour(s)

- Weekly overtime
- Monthly overtime
- Weekend overtime

Time Code **None**

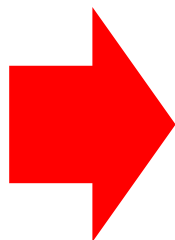
Day start time **05** **00**



## Separated Custom Level Setting

Time and Attendance Report and Schedule can be configured  
According to **User Group** and **Device Group**

The screenshot displays a configuration interface with several dropdown menus and lists. The 'User Group' dropdown is set to 'A'. Below it, a list of user groups is shown: 'All Users', 'A User Group A', 'B', and 'C'. The 'A User Group A' entry is highlighted with a red box and a red checkmark. The 'Device Group' dropdown is set to 'Device Group 2'. Below it, a list of device groups is shown: 'All Devices', 'Device Group 1', and 'Device Group 2'. The 'Device Group 2' entry is highlighted with a red box and a red checkmark. The interface also shows 'Door Group' and 'Elevator' settings, both set to 'All Doors' and 'All Elevator' respectively. The 'User' and 'Device' status is set to 'Disabled'.



Custom Admin can access schedules and reports for User Group A only.  
Custom Admin can add Device Group 2 devices only in TA setting.

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# Bug Fixes

## Bug Fixes

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Unable to add a Wiegand device to BioEntry W2 on 2.6.3 and 2.6.4

**FIXED**

The APB log was deleted regardless of the Reset Time setting in the Global APB zone

**FIXED**

The modified date format setting was not normally applied to Audit Trail menu on MSSQL database environment

**FIXED**

The number of user access groups was displayed differently after BioStar version upgrade

**FIXED**