



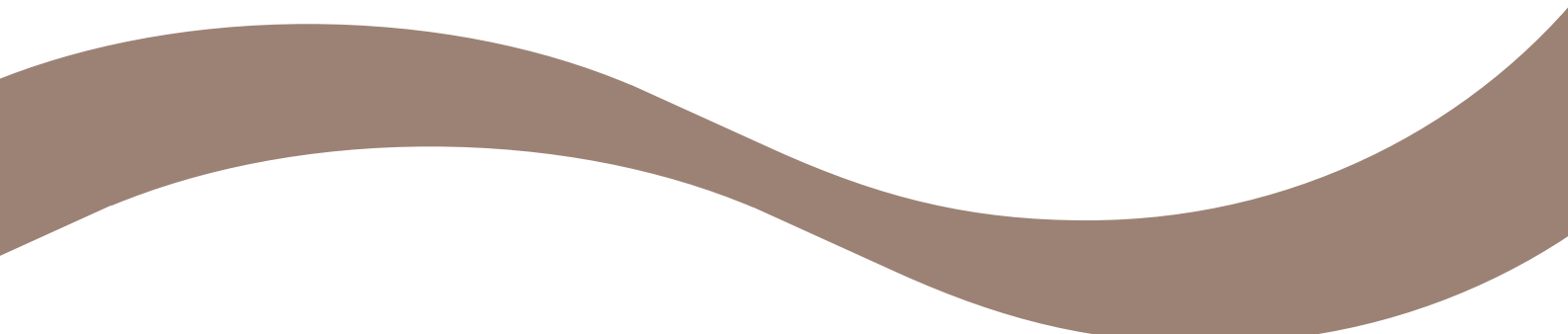
# NEW FEATURE GUIDE

## BioStar 2.1

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English

**Version 1.00**



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# What's new in BioStar 2.1

The purpose of this document is to introduce new features of BioStar 2.1. For more detailed information, please refer to BioStar2 Administrator Guide.

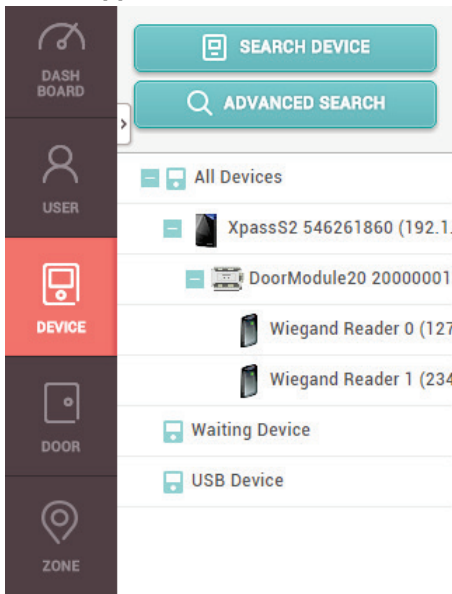
## Editions

BioStar 2 is available in two different editions. BioStar Basic is provided free of charge. Standard Edition requires an activation key purchase.

Editions	Description
Basic	BioStar 2 Basic comes with core features and basic access control features.
Standard	BioStar 2 Standard comes with all the features included in BioStar 2 Basic and the Zone feature.

## Device

### DM-20 Support



The DM-20 provides secure door control as well as I/O expansion with various Wiegand and other I/O devices.

The DM-20 offers a number of input/output ports with 4 relays, 4 TTL inputs, 4 supervised inputs, 6 TTL outputs and 2 Wiegand ports. Plus, it can supply power to the Wiegand devices (12V 1.5A Max).

The DM-20 requires connection to a Suprema device(Master) via RS-485 interface to provide authentications.

In order to add a DM-20 in the device tree, Right-click on the Master device and click **Search Slave Device** or **Search Wiegand Device**.

By default, the DM-20 provides 4 different types of supervised input resistors.

Supervised Input		
• Configuration		
Index	Supervised	Supervised Input Resistor
0	<input checked="" type="checkbox"/> Supervised Input	2.2kΩ
1	<input checked="" type="checkbox"/> Supervised Input	2.2kΩ
4	<input checked="" type="checkbox"/> Supervised Input	2.2kΩ
5	<input checked="" type="checkbox"/> Supervised Input	2.2kΩ

[Supervised Input Setting of DM-20]

You can also configure the settings of Wiegand devices connected to the DM-20. Under the **Authentication** section, you can choose an operation schedule for the Wiegand devices.

Under the **Advanced** section, you can choose a tamper switch port, tamper switch type, LED and buzzer ports for connected Wiegand devices. Unlike Suprema devices, a 3rd party Wiegand reader does not have its own tamper switch, we can specify one of the input ports of the DM-20 as a tamper switch input port.

The screenshot shows the configuration interface for Wiegand devices, divided into two main sections: Authentication and Advanced.

**Authentication Section:**

- Operation Schedule:** A dropdown menu set to "Always".
- Full Access:** A toggle switch currently turned off, labeled "Disable".

**Advanced Section:**

**Tamper Section:**

- Tamper Port:** A dropdown menu set to "None".
- Switch Type:** A toggle switch turned on, labeled "Normally Open".

**LED/Buzzer Section:**

- Green LED Port:** A dropdown menu set to "None".
- Red LED Port:** A dropdown menu set to "None".
- Buzzer Port:** A dropdown menu set to "None".

[Wiegand Device Setting]

## Setting

### Server

#### More Secure BioStar 2 Login Password

Since it's possible to connect to the local BioStar 2 server from the remote location (outside of the local network), BioStar's password policy has been strengthened and the password will not be accepted if it is considered weak in terms of complexity. Here's the description on the BioStar 2 password criteria.

Password Level	Description
Normal	Requires 8-32 characters combination of at least a single lowercase letter (a-z) and number (0-9),
Strong	Requires 8-32 characters combination of at least a single lowercase letter (a-z), uppercase letter (A-Z), number (0-9), and a special character (i.e. !, \$, #, %).

## License Activation

You can activate the purchased license key online through an internet connection. If you do not have access to internet connection please contact our local partner to request a license file for offline activation.

**License**

**Standard**

- **Activate License Online**
- **Activate License Offline**

[Activating License]

In order to activate license online, enter your company name and the activation key, then press **Activate**. If you want to activate offline, click the **Request offline key** button and follow the instructions.

## Cloud

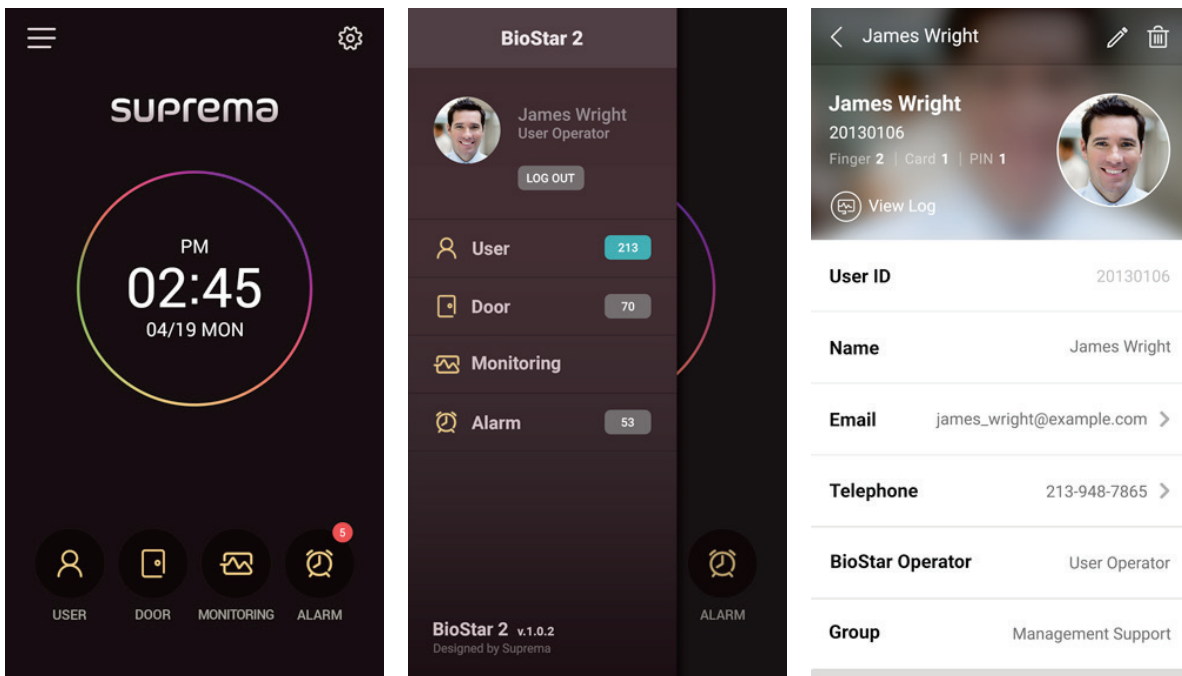
BioStar 2 Cloud allows you to use BioStar 2 mobile apps and access your local BioStar 2 server remotely.

### ⚠ Note

- Currently, it is mandatory to connect your BioStar 2 server to Suprema's cloud server to use BioStar 2 API. You will be able to use BioStar 2 API without the cloud by the end of September.

• Cloud Use	<input checked="" type="checkbox"/> Use	• Administrator e-mail	<input type="text" value="suprema@suprema.co.kr"/>
• Subdomain Name	<input type="text" value="supremainc"/> .biostar2.com	• Port By Used Cloud	<input type="text" value="52000"/>
• Cloud Server Address	<input type="text" value="api.biostar2.com"/>		

[Cloud Configuration]



[BioStar 2 Mobile App]

### ⚠ Note

- BioStar 2 Mobile app is available on Android devices and iOS devices. You can download BioStar 2 Mobile app from Google Play Store and Apple App Store.

## Zone

### Local Zone and Global Zone

The Anti-passback and Fire Alarm zones are introduced in BioStar 2.1 and these zones are available in two different modes: Local and Global. A local zone refers to a single master device and all slave devices or readers connected to the master device using RS-485 or Wiegand connection. A global zone refers to any available devices connected to the server regardless of connection type.

#### ! Note

- Zone feature is available on the Standard edition only.

## Anti-passback Zone

### Local Anti-passback Zone

The previous version of BioStar 2 (2.0) supports the Anti-passback feature at a single door which means the Anti-passback rule is only applied to the two devices (entry device and exit device) set as a single door.

In a local zone, you can group a master and all slave devices connected within RS-485 or Wiegand as set as a local anti-passback zone.

#### ! Note

- The global Anti-passback zone in the future releases.

Information	
• Name	<input type="text"/>
• Type	Anti-passback

Configuration	
• Active/Inactive	<input checked="" type="checkbox"/> Active
• Anti-passback Type	<input checked="" type="checkbox"/> Soft APB
• Reset Time	<input type="range" value="24"/> 24 hours
• Entry Devices	None
• Exit Devices	None

APB Bypass	
• Bypass Group	Not Use

[New Anti-Passback Zone Configuration]

# Fire Alarm Zone

## Local & Global Fire Alarm Zone

Local and global Fire Alarm zones are available. As explained earlier, only the slave devices connected through RS-485 or wiegand can be set as local fire alarm zone. On the other hand, any devices that are connected to your BioStar 2 server can be added to the global zone. In the case of the global zone, your BioStar 2 server will work as a master device of the zone.

A local zone can be configured by selecting a master device under the Device/Input list and subsequent devices that are connected via RS-485 connection. A global zone can be configured with any available devices currently added in BioStar 2.

### Information

**Name**  **Type** Fire Alarm

### Configuration

**Mode**  Local **Active/Inactive**  Active

**Door** Door 1

Device / Input	Switch	Duration(ms)

+ Add

### Alarm

Action

+ Add

[New Fire Alarm Zone Configuration]



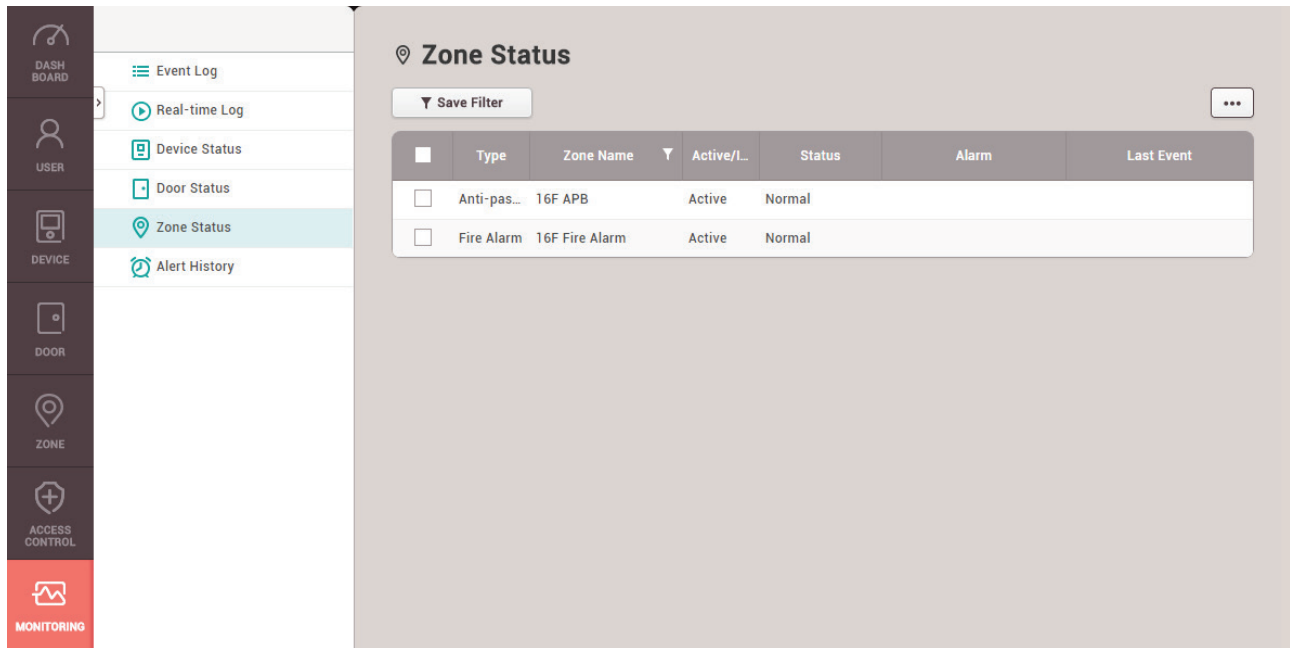
# Monitoring

## Zone Status

You can create a filter to sort the data for certain zones.

### ! Note

- Zone Status feature is available on the Standard edition only.



[Monitoring Zone Status]



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