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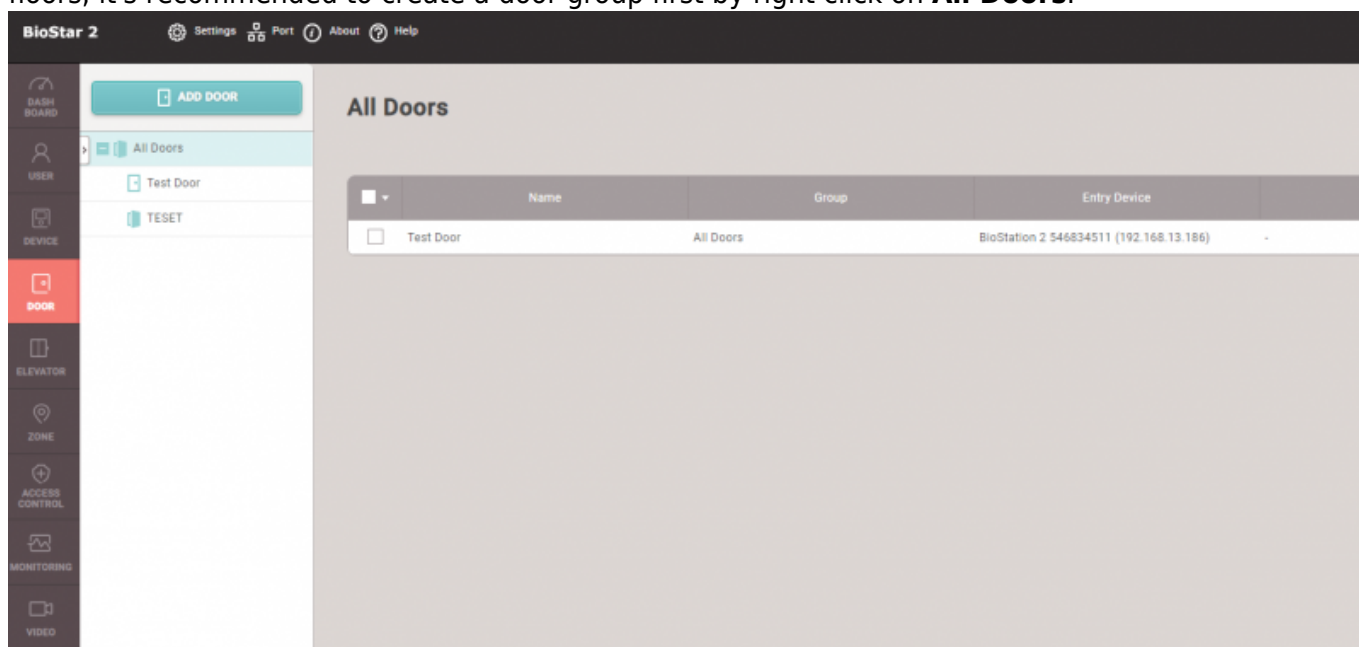
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How To Add and Configure Doors

With the door setting, basic relay and door level alarm configurations are possible. The minimum door element is 'Relay'. As long as you set a relay, it can be configured as a door. This is useful for the case of having to make a door open or close at the time of a designated event, such as fire alarm, or emergency lock down.

1. Go to **DOOR** tap and click **ADD Door** button. If you have more than several doors and different floors, it's recommended to create a door group first by right click on **All Doors**.



- 2) Then, click one of the created door group, and click **ADD DOOR** button. The door group is already assigned and the group name will be shown on the information section. Then, enter name of the door and its description(if necessary).

BioStar 2 Setting About Help

Add New Door

Information

- Name: BMS Front Door
- Description: Test Door Setting
- Group: 16F BMS

Configuration

- Entry Device: None
- Door Relay(+): None
- Exit Button: None
- Door Sensor: None

2. Set **Entry Device** and select 'Exit Device' when the door uses two devices for entry and exit. And set 'Door Relay', 'Exit Button', and 'Door Sensor', according to the door situation.

- Entry device refers to the device located outside for entry input.
- Exit device refers to the device located inside for exit input.
- Therefore, it's necessary to set to use a door relay from an exit device or a door IO device, such as Secure IO 2 and DM-20, to avoid security risk of exposing a relay wiring to the outside.
- **Door Sensor** can be used to monitor the door status. BioStar 2 System Administrator or users can know the physical door status via the sensor detection whether the door is opened or closed. Moreover, it can be used to generate an alarm for any unexpected door status.
- It is highly recommended to set the door sensor in BioStar 2 Door Configuration and wire the door status sensor to the door. If the **Door opened** log is detected without the occurrence of the **Door unlocked** log, BioStar 2 software or BioStar 2 Products generate a **Forced door opened** log and also can generate an additional **Forced door open alarmed** to notify the user.

Once a device is added to a door, the device authentication mode changes to **No Access**. In order to allow user access, configure [Access Groups](#).

Configuration

Entry Device

BioLitelet 538101264 (192.168.16.210)

Door Relay(s)

Relay 0 of BioLitelet 538101264 (192.168.16.210) Device

Exit Button

Input Port 0 of BioLitelet 538101264 (192.168.16.210) Device

Door Sensor

Input Port 1 of BioLitelet 538101264 (192.168.16.210) Device

Exit Device

BioEntryW 15

Switch

Normally Open

Switch

Normally Open

Option

Open

Open Time

3 sec

Lock when door is closed

Off

Dual Authentication

Device

No device

3) If the door sensor is applied, Held Open and Forced Open alarm can be set to use. Click '+Add' button on the left and set to use 'Output' and select the device to make an 'Output' and the relay to send out an output signal. But if you want to make an alert only, you need to set the device which is not used for the door relay or other important output to the 'Device' and its relay to 'Output'. This is because it can be mixed and create an unplanned relay output.

Alarm

Held Open

Action

+ Add

Held Open Time

5 sec

Add Action

Action

Output

Release All Alarm

Reboot Device

Disable Device

Device

BioEntryW 15

Output

Relay 0

Signal

Not Wired

i.e. Held Open Alarm Configuration for the door This configuration will help to generate the Held door open alarmed log once the door opened log is kept more than Held Open Time.

Alarm

Held Open

	Action	
Output	Relay 0 of BioStation 2 546832513 (192.168.16.236) Device	<div></div> <div></div>
Alert Sound	BioStation 2 546832513 (192.168.16.236)	<div></div> <div></div>

+ Add

Held Open Time

15 sec

i.e. Forced Open Alarm Configuration for the door This configuration will help to generate the Forced door open alarmed log once the door opened log is detected without door unlocked log which is normally generated by user authentication, pressing a configured exit button, or clicking Open button

on BioStar 2.

The screenshot shows the 'Alarm' configuration window. It has two main sections: 'Held Open' and 'Forced Open'.
 - Under 'Held Open', there is a slider for 'Held Open Time' set to 3 sec.
 - Under 'Forced Open', there is an 'Action' table with two rows:
 - Row 1: 'Alert Sound' is set to 'BioStation 2 546832513 (192.168.16.236)'.
 - Row 2: 'Output' is set to 'Relay 0 of BioStation 2 546832513 (192.168.16.236) Device'.
 There are '+ Add' buttons for each section.

4) Set the held open time from 1 sec to 15 min range. If the door is remained open longer than this held open time setting, the alert event occurs to call attention to the situation.

5) In the same way, 'Forced Open' alarm can be set to make an alert.

6) After finishing the setting, make sure to click 'Apply', and check the setting result from the door list.

The screenshot shows the '16F BMS' door list. At the top right, there is a '1-1/1' indicator and a 'Go' button. Below is a table with the following data:

Name	Group	Entry Device	Exit Device	Status
BMS Front Door	16F BMS	BioLiteNet 538101264 (192.168.16.210)	BioEntryW 15	Normal

7) Then, test the door to make an alert event alarm.

The screenshot shows a modal dialog box titled 'FORCED_OPEN_ALARM'. It contains the following information:
 - Device: BioLiteNet 538101264 (192.168.16.210)
 - Door: BMS Front Door
 - Alarm: FORCED_OPEN_ALARM
 - Date: 2015/09/09 16:22:20
 Below this information is a 'Comments' text area. At the bottom, there are two buttons: 'Acknowledge' and 'Ignore'.

Video Demo

[add_devices2.mp4](#)

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