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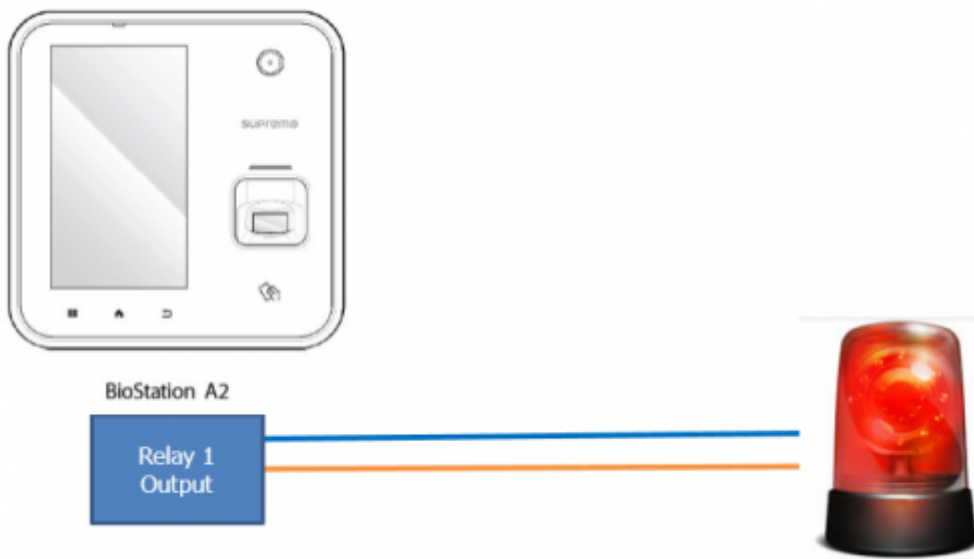
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How to configure Trigger and Action on Setting

The trigger & action feature is used when you would like to send a custom output signal from a device or send an email to the administrator based on the occurrence of an alarm event. For instance, you can use this feature to trigger your alarm lamp when a forced door open alarm goes on. The system will simultaneously send an email to the administrator as well.



Available Triggers

Below is the full list of events that are available for triggers on the setting menu.
Available events for Device:

- Supervised Input (Open)
- Supervised Input (Short)
- Tamper On
- RS-485 disconnected
- Device restarted

Supervised Input is used with a DM20. Please refer to [DM-20 Wiring Examples](#) for more information.

Available events for Door:

- Held door open alarmed: can be used after setting to Door>Alarm>Held Open
- Forced door open alarmed: can be used after setting to Door>Alarm>Forced Open
- Held door opened: can be used after setting to Door>Door Sensor

- Forced door opened: can be used after setting to Door>Door Sensor

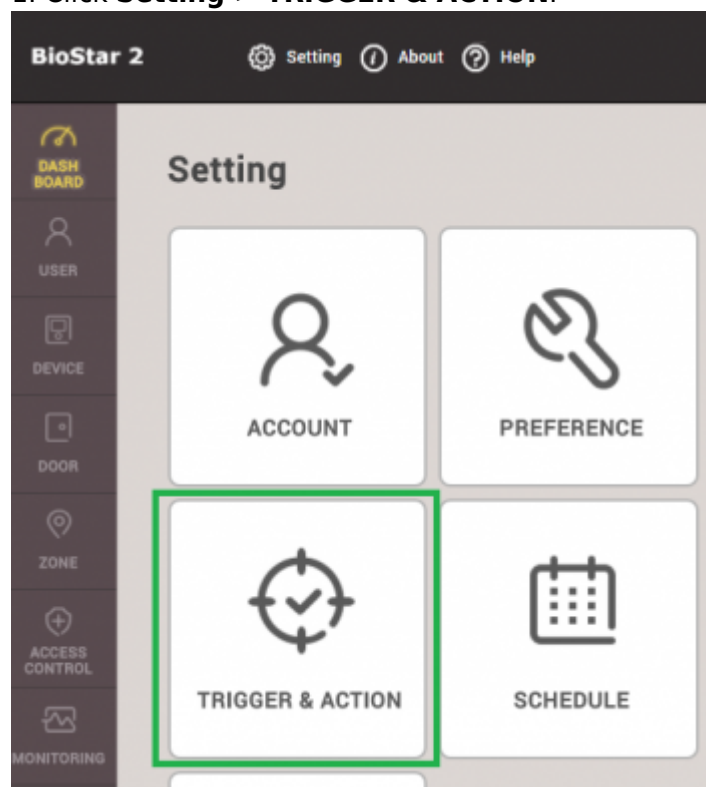
Available events for Zone:

- Scheduled lock zone alarm detected
- Fire alarm zone alarm detected
- Anti-passback zone alarm detected

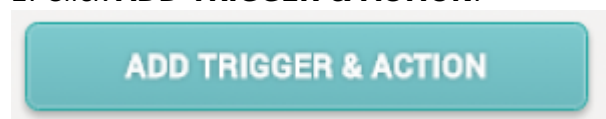
Setting Up a Custom Signal Output

In the scenario below, we will send a custom signal from our A2 when there is a forced open event.

1. Click **Setting > TRIGGER & ACTION**.

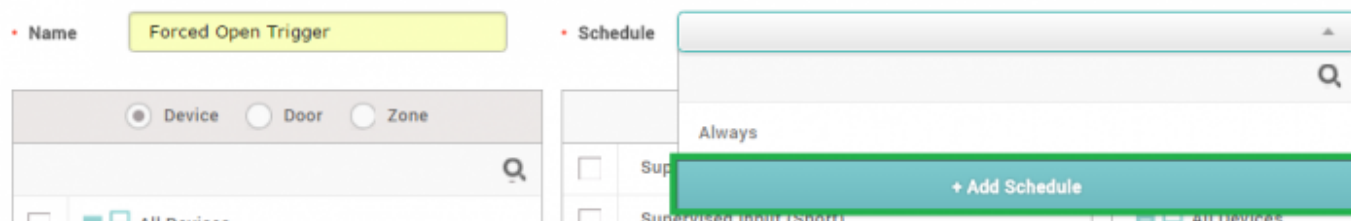


2. Click **ADD TRIGGER & ACTION**.



3. Enter a name for this trigger on the **Name** textbox.

4. Click on the schedule drop box. Click **+ Add Schedule**. If you have a preconfigured schedule, you can use that one by selecting it.



5. Configure the schedule as necessary and click **Ok**. In this case, I would like the trigger to be on all day except for Sunday.

Add Schedule

• Name:

• Description:

• Type: ☒ Weekly ☐ Daily

Calendar grid showing days of the week (Sunday to Saturday) and time slots (0 to 24). All days are selected (highlighted in orange).

• Holiday Schedule: ☐

Ok Cancel

6. Now select the newly created schedule on the **Schedule** drop box.
7. Select the **Door** radio button.
8. Select the door this will affect. The A2 is installed on Door 3 in this example.
9. Check **Forced door opened**.
10. Select your device (A2).
11. Relay 0 is already used for the door lock so relay 1 will be used for the output.

• Name: • Schedule:

Device ☐ Door ☒ Zone

Event

- ☐ Held door open alarmed
- ☐ Forced door open alarmed
- ☐ Held door opened
- ☒ Forced door opened

Device

- All Devices
- BioStation A2 541531090 (192.168.16.192)
- XpassS2 546260625 (192.168.16.129)
- DoorModule20 788879215

Action

• Output:

• Signal:

12. Click on the **Signal** drop down box.
13. Click **Add Signal**.
14. Fill in the details as desired and click **Apply**.



Add New Signal

• Name: Signal for Forced Open

Signal

• Delay(ms): 0

• Counts: 25

• ON: 4

• OFF: 1

Apply Cancel

15. Click on the **Signal** drop box and select the signal you just created and click **Apply**.

16. Now when there is a forced door open event, the custom signal is sent to relay 1.

Real-time Log

Save Filter Pause Clear ...

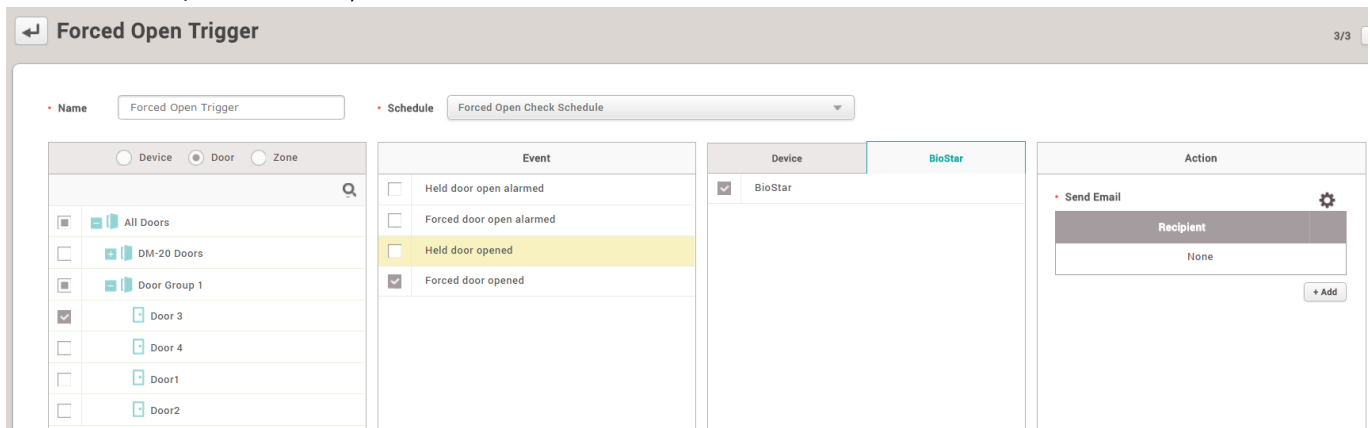
Date	Door	Device ID	Device	User	Zone	Event	View
2016/08/03 14:54:01	Door 3	541531090	BioStation A2 ...			Door closed	
2016/08/03 14:53:59	Door 3	541531090	BioStation A2 ...			Forced door opened	

Setting Up an Email Alert on BioStar

1. Click **Setting > TRIGGER & ACTION**.

2. Click on your desired trigger.

3. On Device / BioStar tab, click **BioStar** and check **BioStar**.



Forced Open Trigger

• Name: Forced Open Trigger

• Schedule: Forced Open Check Schedule

Device Door Zone

Event

☐ Held door open alarmed

☐ Forced door open alarmed

☐ Held door opened

☒ Forced door opened

Device BioStar

Action

Send Email

Recipient

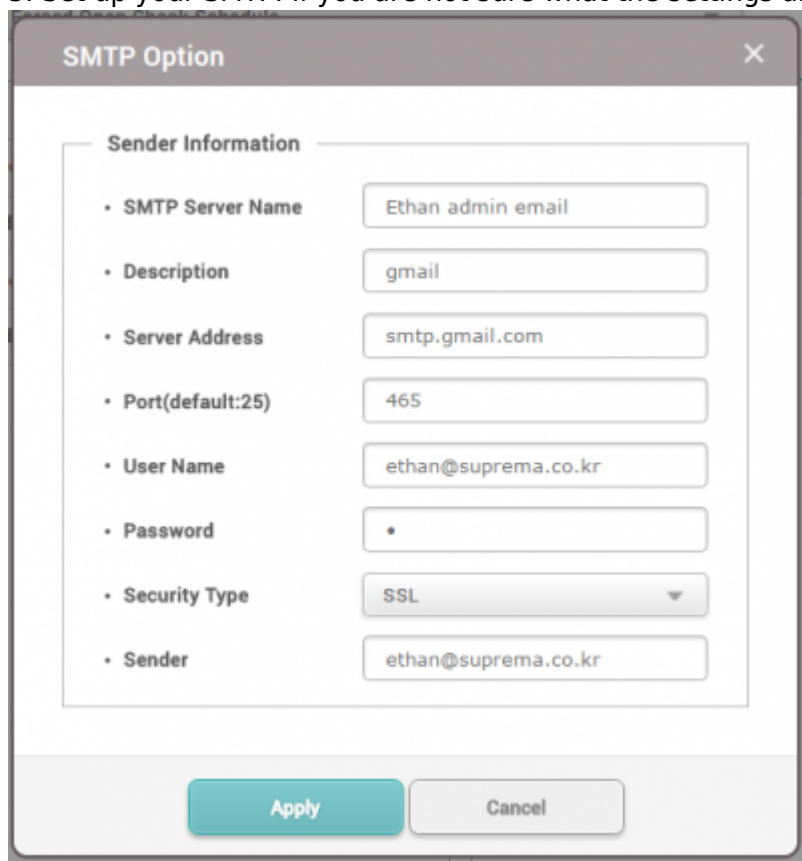
None

+ Add

4. Click on the Gear icon on the action tab to setup your email.



5. Set up your SMTP. If you are not sure what the settings are, please ask your IT administrator.

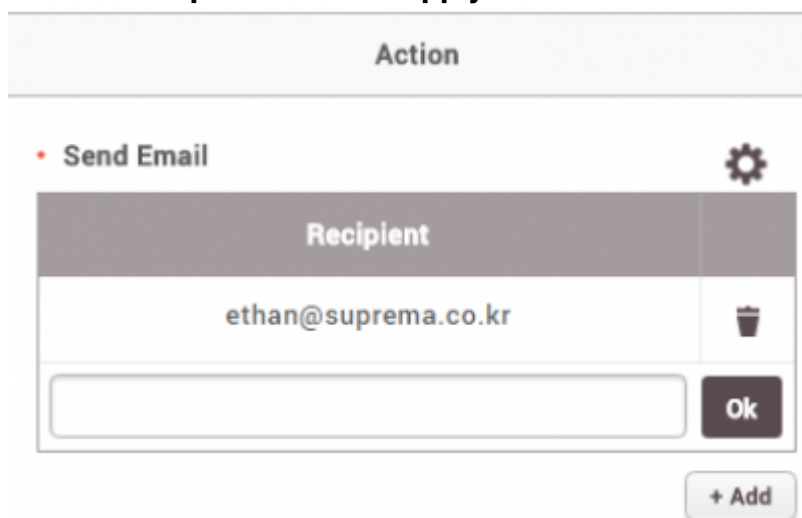


The image shows a configuration window titled "SMTP Option". It contains the following fields:

- SMTP Server Name: Ethan admin email
- Description: gmail
- Server Address: smtp.gmail.com
- Port(default:25): 465
- User Name: ethan@suprema.co.kr
- Password: (masked with a dot)
- Security Type: SSL (dropdown menu)
- Sender: ethan@suprema.co.kr

At the bottom, there are "Apply" and "Cancel" buttons.

6. Add a **Recipient** and click **Apply**.



The image shows a configuration window titled "Action". It contains the following elements:

- Send Email (with a gear icon for settings)
- Recipient: ethan@suprema.co.kr (with a trash icon for deletion)
- Ok button
- + Add button

7. Now create a forced door open event.

Save Filter							
Date	Door	Device ID	Device	User	Zone		
2016/08/08 17:20:51	Door 3	541531090	BioStation A2 ...			Door closed	
2016/08/08 17:20:51	Door 3	541531090	BioStation A2 ...			Door locked	
2016/08/08 17:20:51	Door 3	541531090	BioStation A2 ...			Held door opened	
2016/08/08 17:20:48	Door 3	541531090	BioStation A2 ...			Forced door opened	

8. The administrator will receive an alert email.

[BioStar Alert] Forced door opened

받은편지함 x

Sent to Me x

**Biostar Alarm Manager** <ethan@suprema.co.kr>

나에게 ▾

Datetime: 2016-08-08 08:20:48(+00:00)

Server Datetime: 2016-08-08 17:19:35

Event: Forced door opened

Device ID: 541531090

Device Name: BioStation A2 541531090 (192.168.16.192)

Door: 15

Door Name: Door 3

From:

<http://kb.supremainc.com/knowledge/> -

Permanent link:

http://kb.supremainc.com/knowledge/doku.php?id=en:how_to_configure_trigger_and_action&rev=1591058777

Last update: 2020/06/02 09:46