

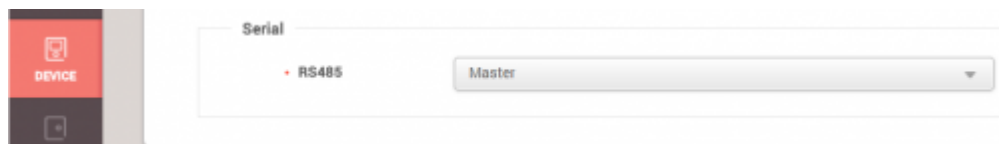
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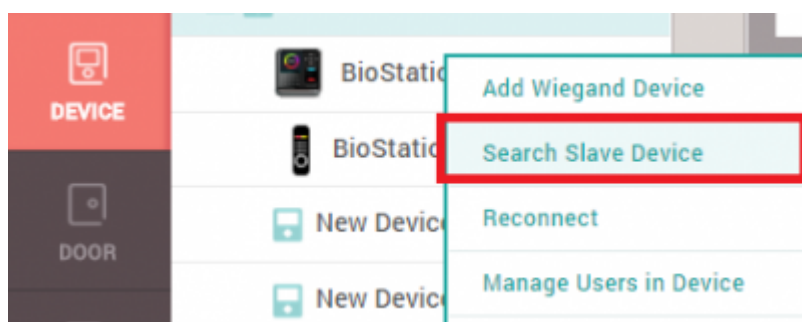
System Configuration, BioStar 2, "DM-20"

How to Configure DM-20

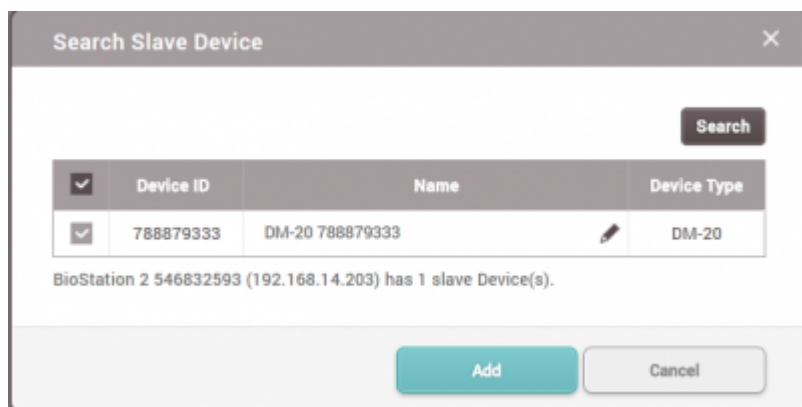
1. Go to the **DEVICE** menu and click on the device that will be the master device.
2. Set **RS485** to **Master**.



3. Click **Apply**.
4. Right-click on your device and select **Search Slave Device**.



5. If it is wired correctly via RS-485 the DM-20 should appear on the device list.



6. Click **Add**.

If you click on the DM-20 on the device menu, you can upgrade the firmware and also change the supervised input resistor values.
You can learn more about supervised input in the following link: [DM-20 Wiring Examples](#)

The screenshot displays the DM-20 device configuration interface. On the left is a vertical sidebar with icons for DASH BOARD, USER, DEVICE (highlighted in red), DOOR, ELEVATOR, ZONE, ACCESS CONTROL, MONITORING, and TIME ATTENDANCE. The main area is divided into two sections: 'Information' and 'Advanced'.

Information Section:

- Name: DM-20 788879...
- Device ID: 788879333
- Device Type: DM-20
- Firmware Version: 1.0... with a 'Firmware Upgrade' button
- Product Name: DM20
- Kernel Version: 0.0.0
- Hardware Version: 0.0.0

Advanced Section:

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 |

A dropdown menu is open for the 'Supervised Input Resistor' of index 5, showing options: 1kΩ, 2.2kΩ (selected), 4.7kΩ, and 10kΩ. A 'Cancel' button is located at the bottom right of the configuration area.

[DM-20 device menu]

Configuring DM-20 for Device Trigger and Action

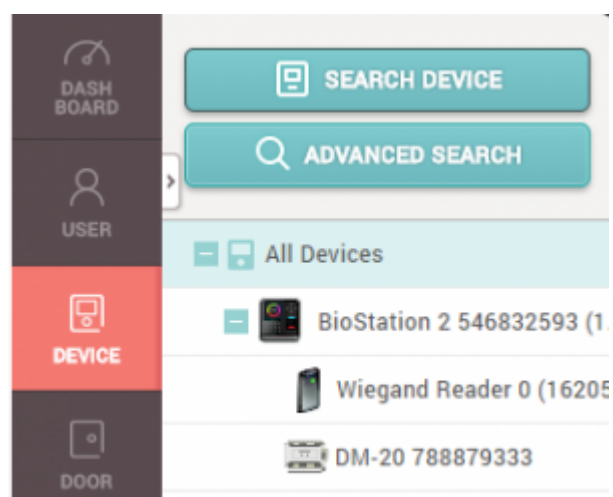
1. Click on the master device in the DEVICE menu.
2. Go to **Advanced > Trigger & Action**.
3. Click **+ Add**.
4. On the **Device** dropdown list select DM-20.
5. Configure other items as required.

Configuring DM-20 for Door Relay

In this example, we will use a Wiegand reader for the exit device.

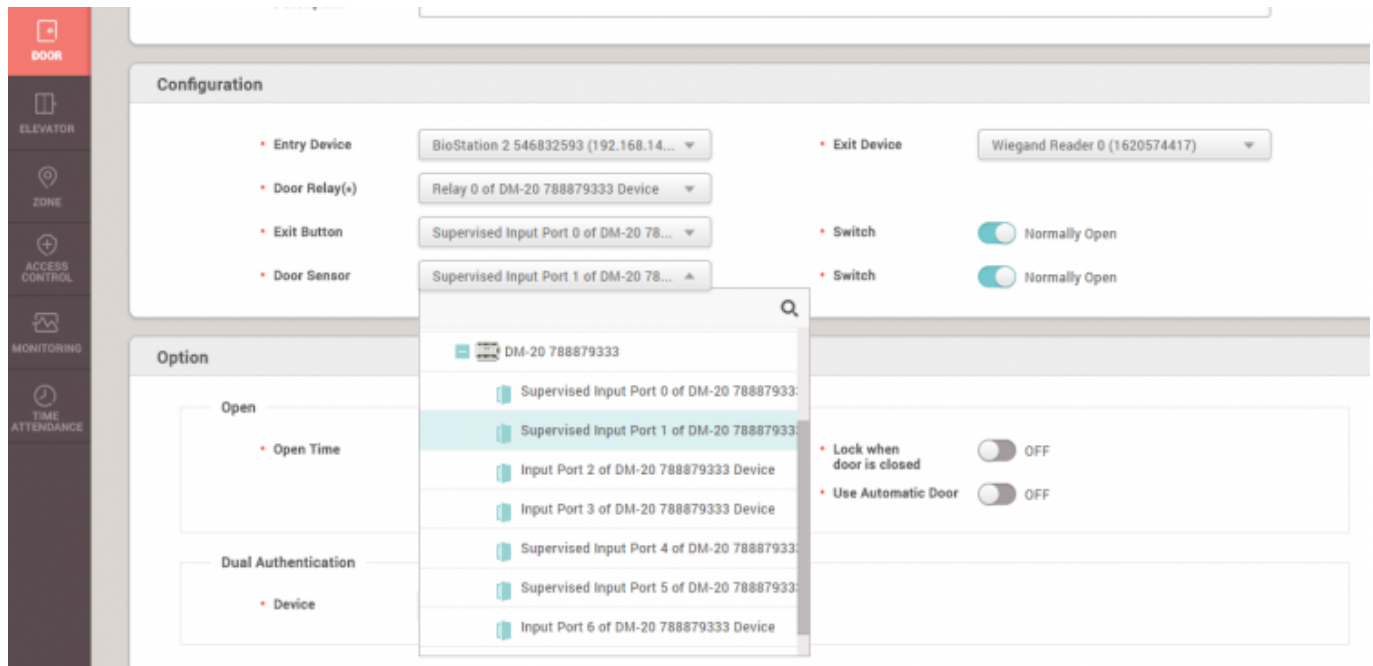
For other door configuration possibilities, refer to the following article: [DM-20 Wiring Examples](#)

1. On the **DEVICE** menu, right-click on the master device and click **Add Wiegand Device**.



2. Click **Add**.
3. Click on the **DOOR** menu.
4. Click **ADD DOOR**.
5. Set the **Entry Device** as the master device.
6. Set the **Exit Device** as the **Wiegand Reader**.

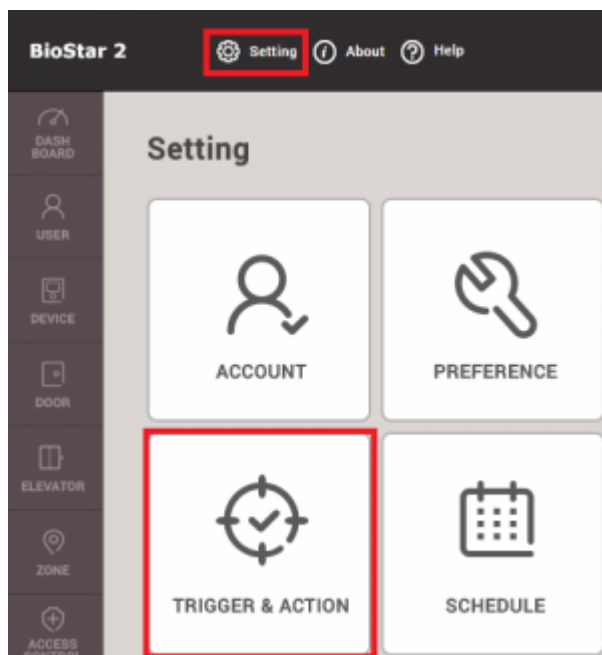
7. Configure the **Door Relay**, **Exit Button**, and **Door Sensor** with DM-20's input and relay as required.



8. Click **Apply**.

Configuring DM-20 to Trigger Relay Based on Event

1. Click on the **Setting** menu on the top bar of the web client.
2. Select **TRIGGER & ACTION**.



3. Click **ADD TRIGGER & ACTION**.
4. Select a **Schedule** when this trigger will be active.
5. Choose which type of event will trigger the output (Device / Door / Zone).
6. Select your Device / Door / Zone that will be the basis of this event.

7. Select your DM-20 on the **Device** tab.

8. Configure your **Output** relay and **Signal** interval.

Trigger & Action

Name: My DM-20 Trigger Schedule: Always

| Device | Event | Device | Action |
|--|---|--|---------------|
| <input type="radio"/> Device <input type="radio"/> Door <input type="radio"/> Zone | | Device BioStar | |
| <input type="checkbox"/> All Devices | <input type="checkbox"/> Supervised Input (Open) | <input type="checkbox"/> All Devices | Output |
| <input type="checkbox"/> BioStation 2 54683259 | <input type="checkbox"/> Supervised Input (Short) | <input type="checkbox"/> BioStation 2 546832593 (19 | Relay 3 |
| <input checked="" type="checkbox"/> DM-20 788879333 | <input checked="" type="checkbox"/> Tamper on | <input checked="" type="checkbox"/> DM-20 788879333 | Signal |
| <input type="checkbox"/> BioStation L2 54008400 | <input type="checkbox"/> RS-485 disconnected | <input type="checkbox"/> BioStation L2 540084005 (19 | Testsignal |
| <input type="checkbox"/> New Device Group 1 | <input type="checkbox"/> Device restarted | <input type="checkbox"/> New Device Group 1 | |
| <input type="checkbox"/> New Device Group 2 | | <input type="checkbox"/> New Device Group 2 | |

9. Click **Apply**.

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