

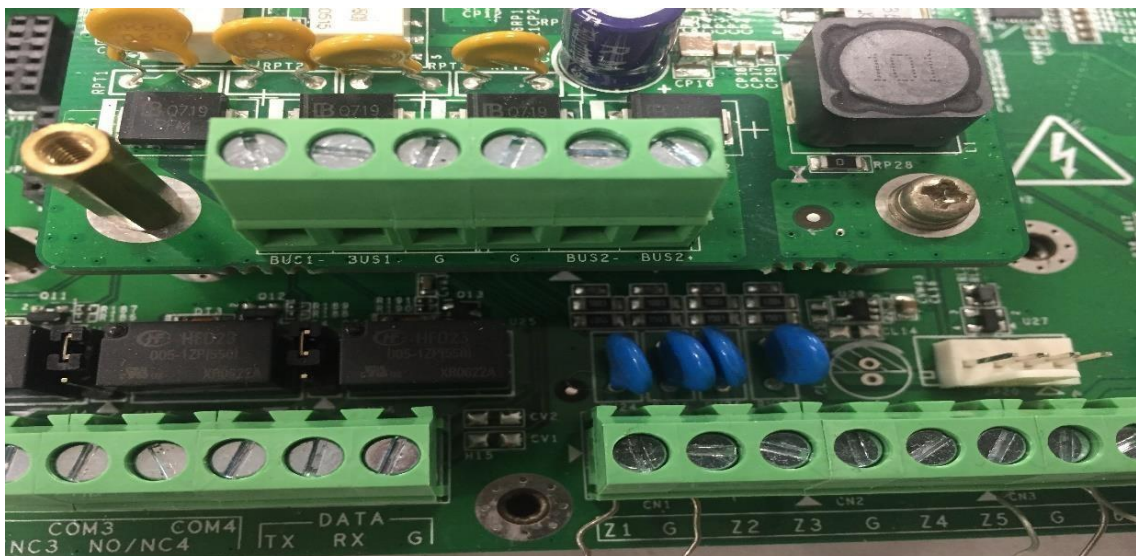
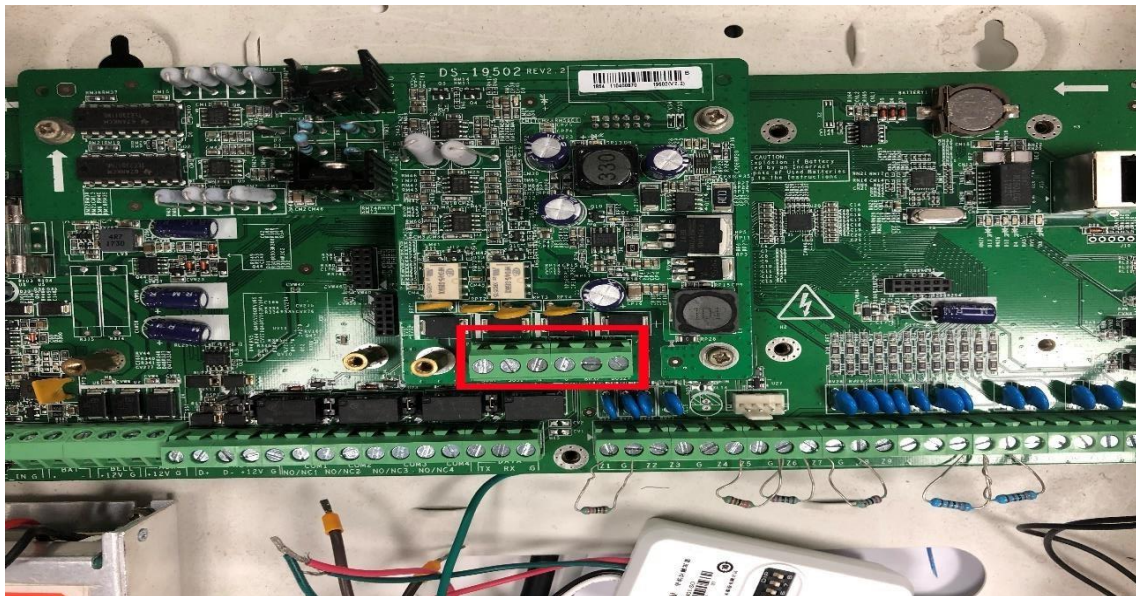
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## Preparation

1. DS-19A08-01BNG MBUS Security Control Panel
2. Single-zone Expander module DS-PM-MI1

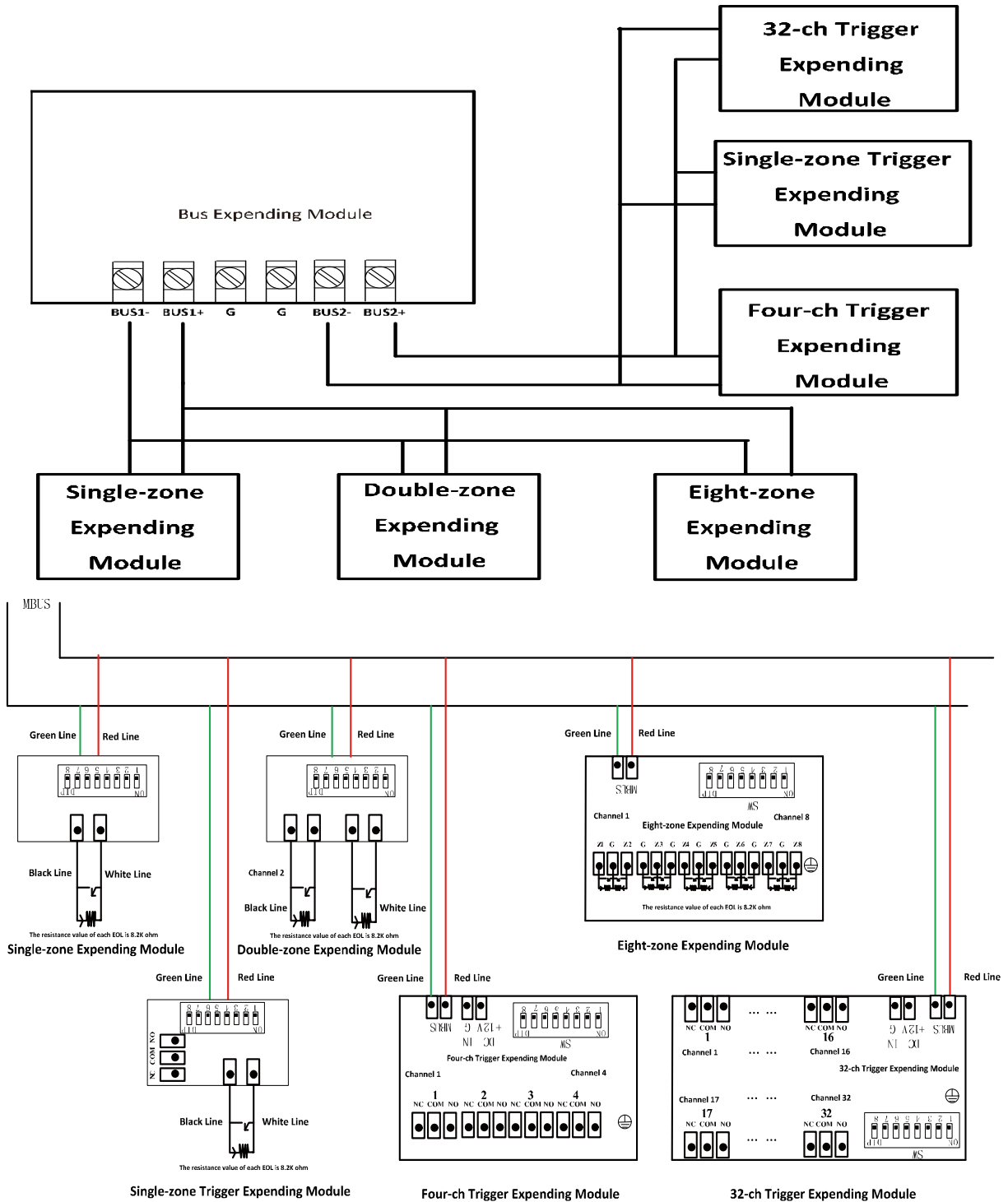
### How to connect MBUS Expander Module to control Panel

#### 1. Find the port for Keypad.



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## 2. MBUS Connection Topology.



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 **Note**

1. If wiring use **RVV2\*1.5mm<sup>2</sup>**, the longest distance is **2400m**, if use **RVV2\*1.0 mm<sup>2</sup>**, the longest distance is **1600m**. (Expander module to MBUS wiring distance is also calculated in total distance)
2. If wiring use RVVP, MBUS distance will be half. Shield need connect to GND port.
3. **MBUS is regardless of the polarity**
4. **Detector connect to the Expander module need use 8.2K $\Omega$  resistance.**

### 3. Connect MBUS Expander to control panel.

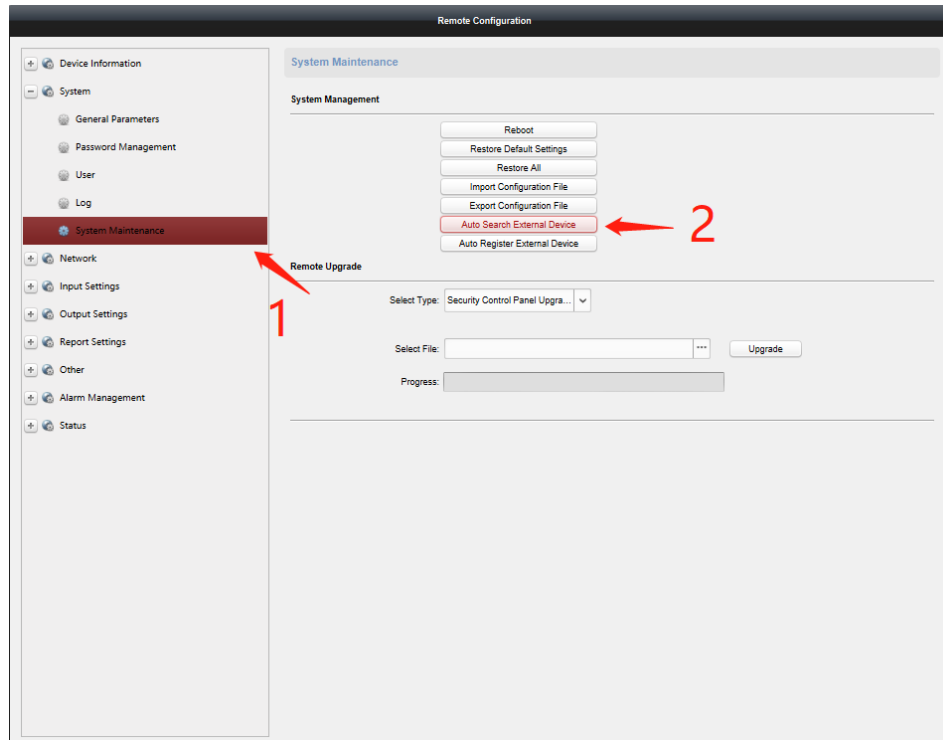
- 1) Power off the control panel.
- 2) Connect MBUS expander module to control panel.
- 3) Change the expander module DIP address, every expander module need **different DIP address**. DIP address from **1-253**. Single-zone Expander module address is 1 as below.



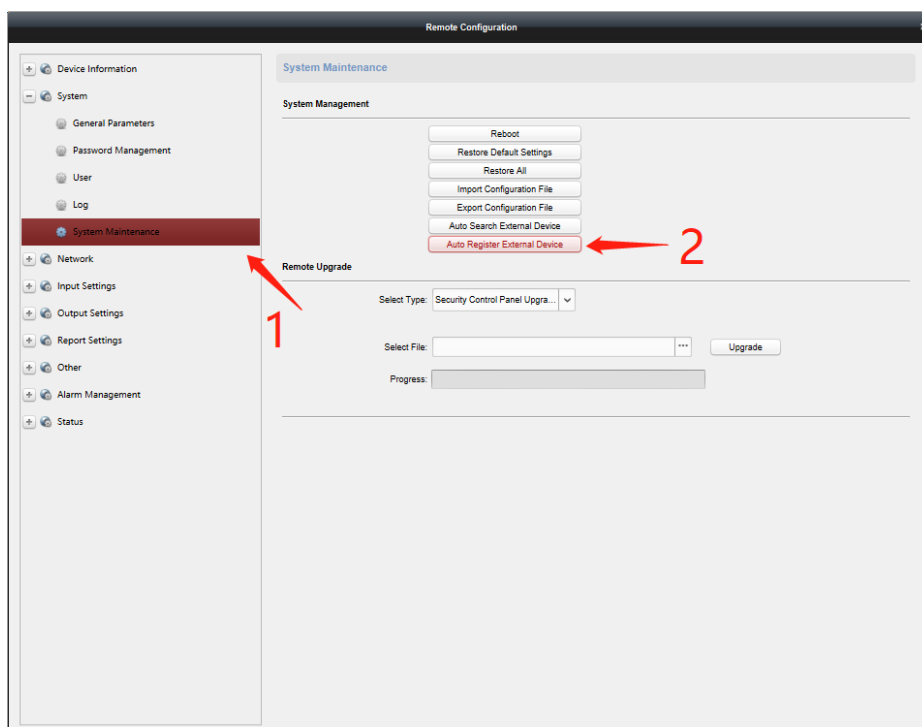
- 4) Power up the panel.

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## 5) Auto Search External Device.



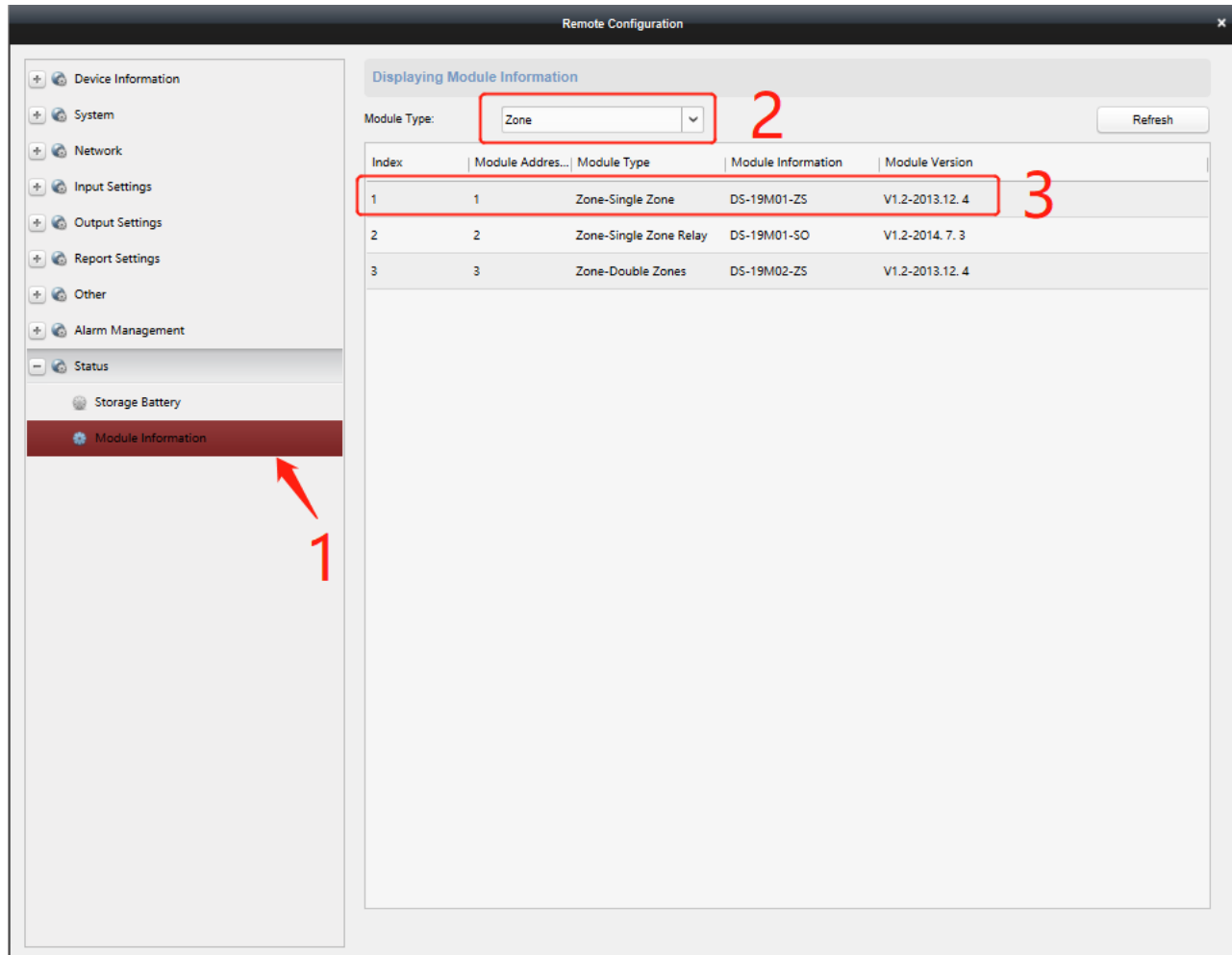
## 6) Auto Register External Device.



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## 4. Check the Expander module Status in iVMS-4200

- 1) Open Status---Module Information
- 2) Select Module Type---Zone
- 3) Check the Module status and address.



## 5. Check the zone address in iVMS-4200

- 1) Open Input Settings---Zone---Zone module
- 2) Check the Expander module corresponds to the Zone address.
- 3) Single-zone Expander module address 1 corresponds to the Zone 9 as below.

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Remote Configuration

Configuring the Zone Parameters

Basic Settings **Zone Module** ← 2

Zone	Module Status	Module Address	Module Channel No	Module Type
1	Online	Invalid	Invalid	Local Zone
2	Online	Invalid	Invalid	Local Zone
3	Online	Invalid	Invalid	Local Zone
4	Online	Invalid	Invalid	Local Zone
5	Online	Invalid	Invalid	Local Zone
6	Online	Invalid	Invalid	Local Zone
7	Online	Invalid	Invalid	Local Zone
8	Online	Invalid	Invalid	Local Zone
9	Online	1	1	Single Zone
10	Online	2	1	Single Zone Relay
11	Online	3	1	Double Zones
12	Online	3	2	Double Zones
13	Offline	Invalid	Invalid	
14	Offline	Invalid	Invalid	
15	Offline	Invalid	Invalid	
16	Offline	Invalid	Invalid	
17	Offline	Invalid	Invalid	
18	Offline	Invalid	Invalid	

1

3

Refresh Save



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