



How to Use Loop Mode in Ax Hybrid Pro 2.0

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Preparation

Device Preparation

1. Control Panel: DS-PA502-128 V2.1.0build250123
2. Bus PIR CAM: DS-PD501PC12 V2.0.0build250103
3. Bus LCD keypad: DS-PK501LTM-HWE V1.0.3build25120
4. Bus input expander: DS-PM501Z8T4 V1.0.4build250114
5. Bus relay expander: DS-PM501R4 V1.0.4buld250114
6. Bus Tri-X receiver: DS-PR501-HWE V1.0.3build250116

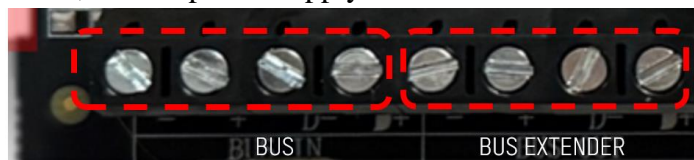
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1. Bus wiring

- 1) Control Panel Wiring: Using the alarm cable to connect on the device. There are 4 terminals in 1 group of bus. A1/A2: Data+, B1/B2: Data-, and power supply can be used for 2 groups of bus at the same time.



- 2) Bus peripherals with bus extender. The same as control panel, need four cables to wire on bus/bus extender terminals. On the terminals, D- means data-, D+ means data+ and -, + mean power supply.



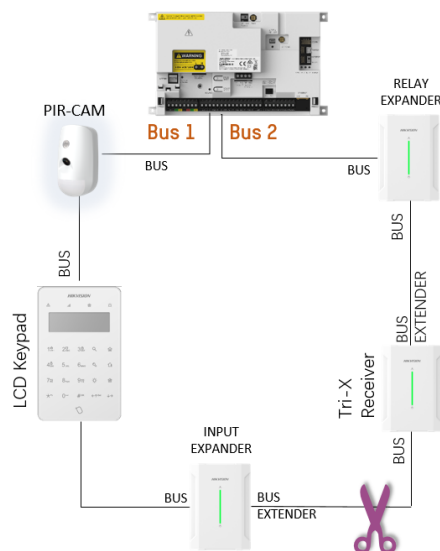
- 3) Bus PIR CAM and Bus LCD keypad. These 2 devices only have 1 group of bus terminal. D- means data-, D+ means data+ and -, + mean power supply.

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2. Topology

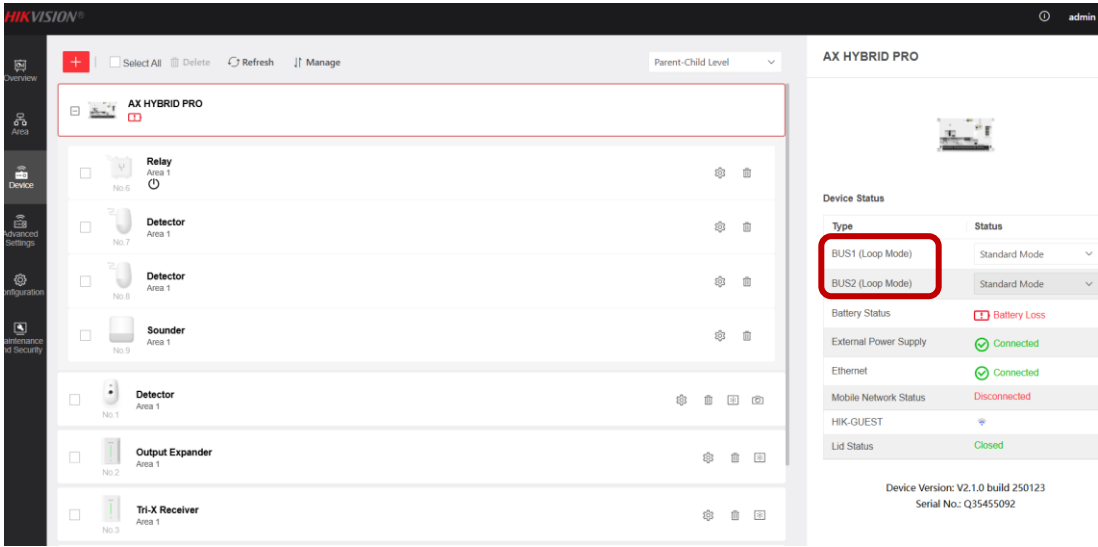
- 1) Design the topology of the connection, connect all the devices with the ring topology. As the below pic shown:



- 2) Wiring the device and the keypad needs to connect 2 groups of bus line in this topology.

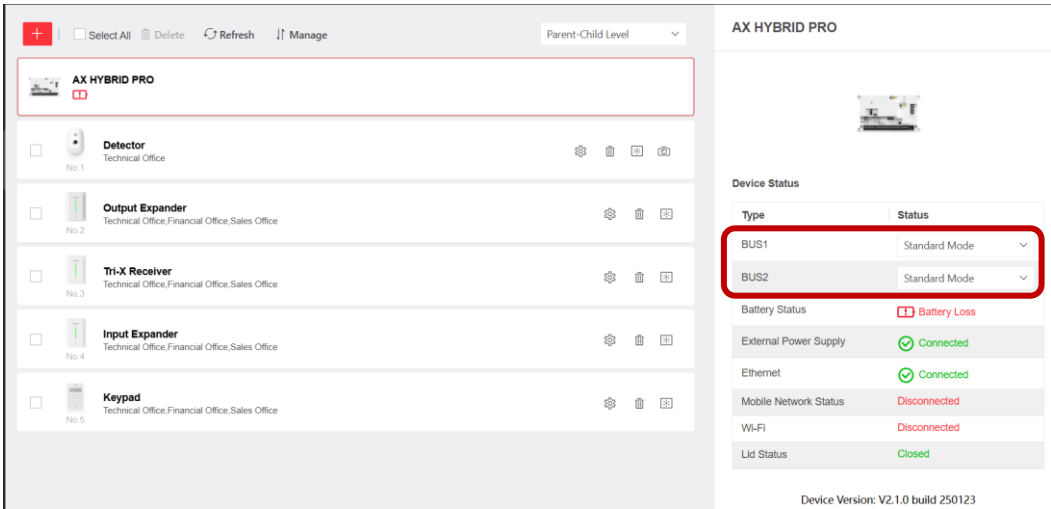
3. Check the web configuration

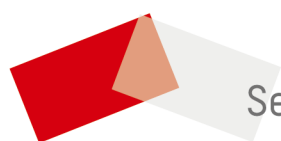
Go to the web configuration to check the working mode of 2 bus lines. Now the bus 1 and bus 2 are in the Loop Mode.



4. Verify the Communication Redundancy.

- 1) Disconnect the connection between the input expander and Tri-X receiver.
- 2) Check the working modes in the web configuration. Now 2 bus lines are not in the Loop Mode any more. No devices are offline.





See Far, Go Further