

AX Hybrid PRO

Version: V1.0.2

Release Note

(2022-07-22)

1. Firmware Basic Information

Firmware Basic Information	Firmware Version	V1.0.2_build220719
	Device Type	DS-PHA48-EP DS-PHA64-LP

Notes:

1. Please update firmware to the latest version to ensure the perfect user experience.
2. For installers, it is recommended to install and maintain devices via Hik-ProConnect.

2. V1.0.2 Upgrade Note

2.1 Added Function:

1) Added R3 protocol peripheral, including wireless detectors, sounders, and output modules

1. Support to display the status of wireless detectors, including temperature, humidity, battery status, signal strength, detector status, tamper-proof status, alarm trigger status, version number

AX Hybrid PRO Status **Zone Status** Sounder Status Automation Keypad Status Keyfob Status Module Status

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Zone	Device Number	Name	Main Device	Temperature(°C)	Humidity	Battery Status	Signal Strength	Unhandled ...	Arming/Dis...	Detector St...	Version No.
1	2	Zone 1	Zones Built-in	/	/	/	/	Normal	Disarmed	Online	/
2	4	Zone 2	Zones Built-in	/	/	/	/	Normal	Disarmed	Online	/
3	5	Zone 3	Tri-X Receiver 1	29	/	OK	(Strong)	Normal	Disarmed	Online	V1.1.0
4	7	Zone 4	Tri-X Receiver 1	27	/	100%	(Strong)	Normal	Disarmed	Device Lid ...	V1.1.0
5	8	Zone 5	/	/	/	/	/	Normal	Disarmed	Offline	V1.2.0
6	9	Zone 6	Tri-X Receiver 1	28	/	100%	(Strong)	Normal	Disarmed	Device Lid ...	V1.0.25
7	11	Zone 7	Tri-X Receiver 1	0	0	0%	(Invalid)	Normal	Disarmed	Offline	V1.0.0
8	12	Zone 8	Tri-X Receiver 1	29	/	OK	(Strong)	Normal	Disarmed	Device Lid ...	V1.1.0
9	13	Zone 9	Tri-X Receiver 1	28	/	OK	(Strong)	Normal	Disarmed	Device Lid ...	V1.2.0
10	14	Zone 10	/	/	/	Low Battery	/	Normal	Disarmed	Online	V1.0.2

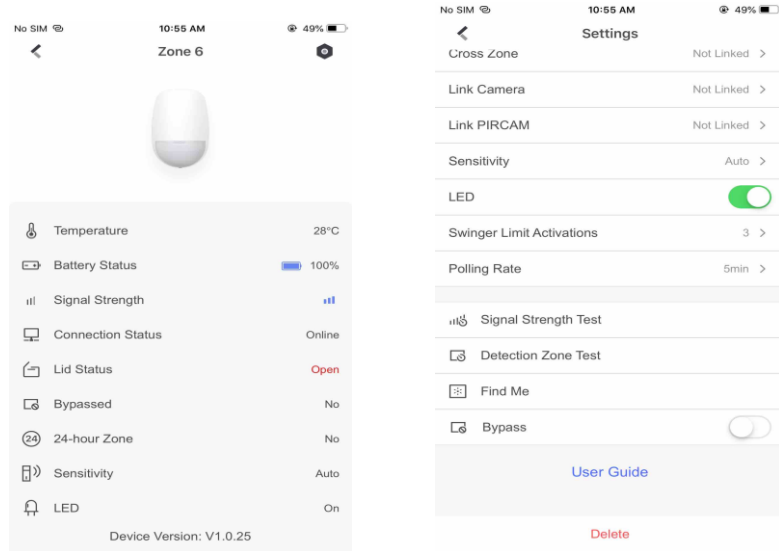
The two detectors DTAM CURTAIN and PIR AM CURTAIN support detecting whether the Anti-Masking is triggered or not.

DS-PDEB1-EG2-WE/B Support single or double key alarm, after enabled PD6662, short press and long press cross trigger will upload confirm alarm

Detectors support Find Me, Detection Zone Test, and Signal Strength Test

The new detector models are as follows:

- DS-PDP15P-EG2-WE/WB
- DS-PDD12P-EG2-WE/WB
- DS-PDPG12P-EG2-WE/WB)
- DS-PDC15-EG2-WE/WB
- DS-PDMCS-EG2-WE/WB
- DS-PDWL-E-WE/WB
- DS-PDEB1-EG2-WE/WB
- DS-PDEBP1-EG2-WE/WB
- DS-PDTPH-E-WE/WB
- DS-PDCL12-EG2-WE/WB
- DS-PDC10DM-EG2-WE/WB
- DS-PDC10AM-EG2-WE/WB



2. Support to display the status of wireless sounders, including temperature, battery power, signal strength, online status, whether to connect to the main power status, and the version number;

The new sounder models are as follows:

DS-PS1-E-WE/WB

DS-PS1-I-WE/WB

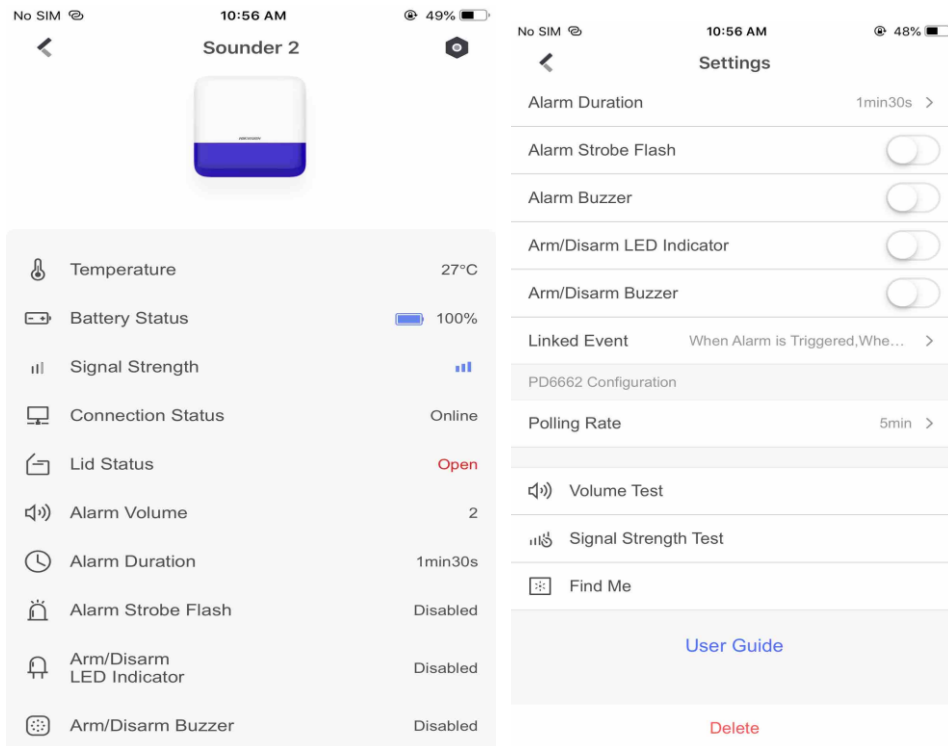
Sounder Device Nu...	Name	Temperatur...	Battery Status	Signal Stren...	Status	Mains Power	Version No.
1	Sounder 1	/	/	/	Off	/	/
2	Sounder 2	27	100%	(Strong)	Offline	/	V1.0.20

When the system is disarmed, the tamper of the outdoor sounder cannot be triggered;

Configurable indicator light or buzzer for arm and disarm linkage sounder;

After enabled the PD6662, the confirmation alarm can be linked;

Sounders support Find Me, Volume Test, and Signal Strength Test



3. Support to display the temperature, power load, signal strength, version number of the wireless output module

The new relay module models are as follows

DS-PM1-O1L-WE/WB

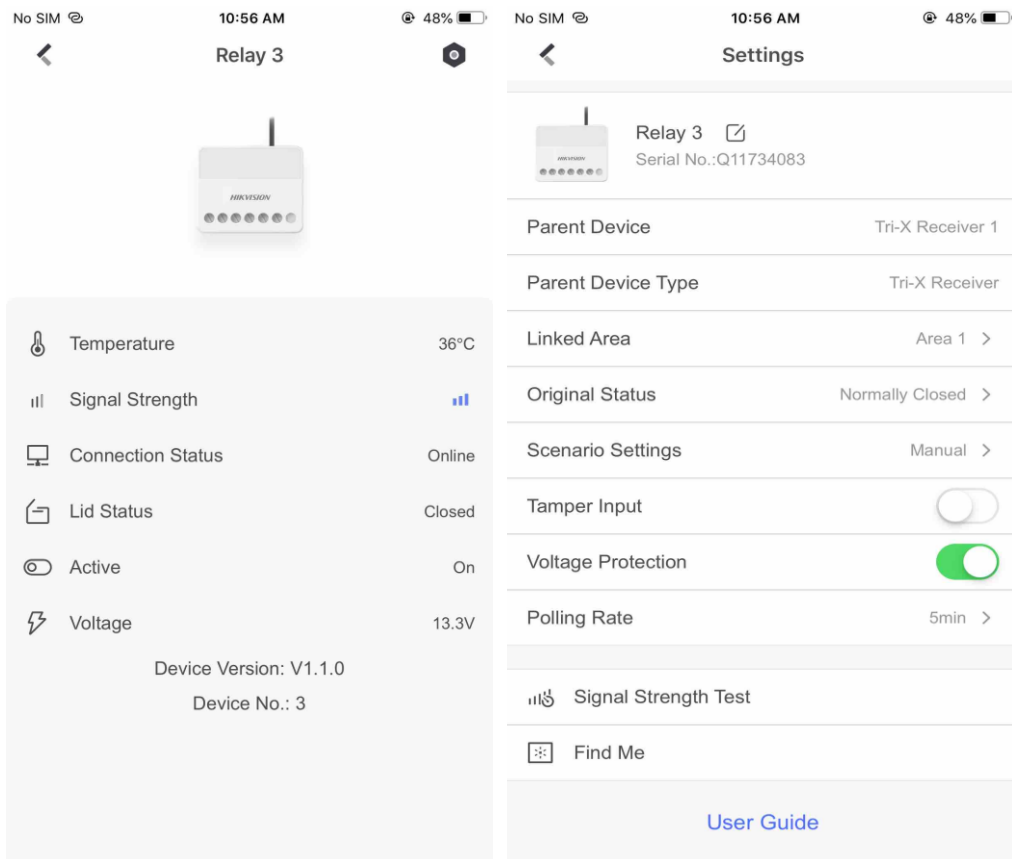
DS-PM1-O1H-WE/WB

AX Hybrid PRO Status Zone Status Sounder Status **Automation** Keypad Status Keyfob Status Module Status

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Automation	Device Number	Name	Main Device	Temperature(°C)	Voltage	Current	Power Load	Energy Consumed	Signal Strength	Status	Version No.
1	10	Relay 1	Outputs Built-in	/	/	/	/	/	/	Off	/
2	16	Relay 2	Outputs Built-in	/	/	/	/	/	/	Off	/
3	3	Relay 3	Tri-X Receiver 1	28	13.2V	/	/	/	(Strong)	On	V1.1.0

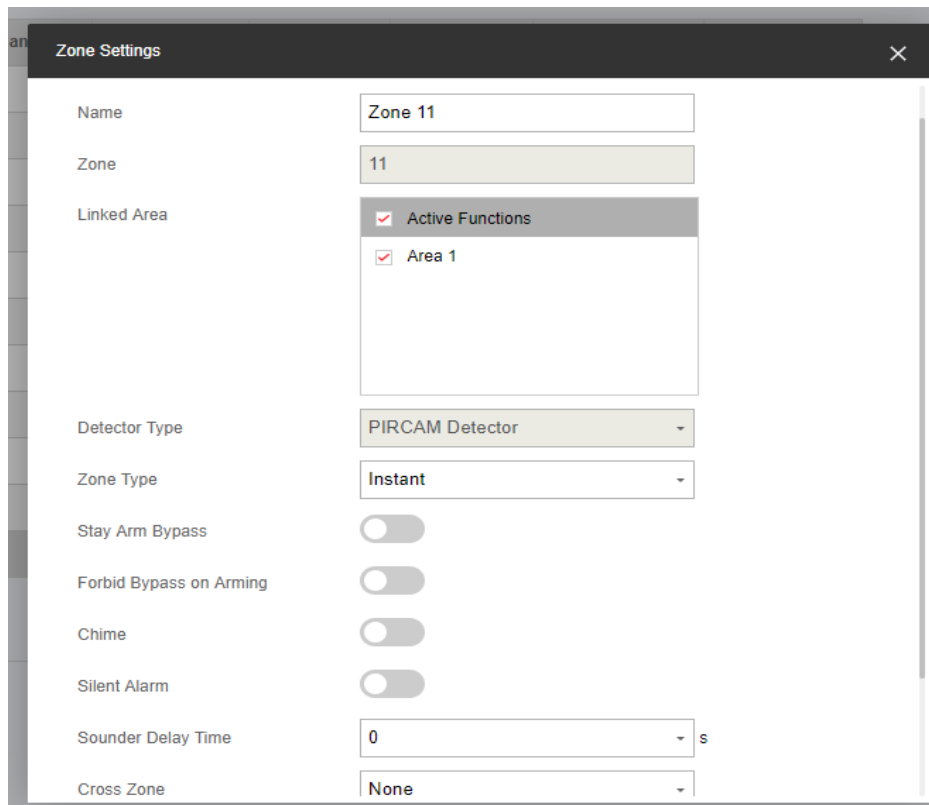
Relay modules support Find Me, Signal Strength Test



2) Supports Wired PIRCAM detector

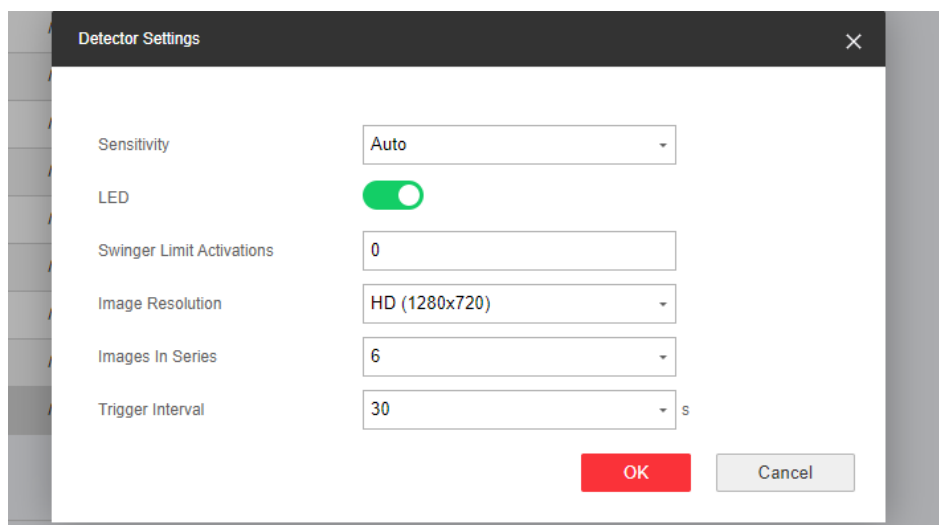
Wired PIRCAM detector support alarm linkage snapshot, manual snapshot;

Wired PIRCAM model is DS-PDPC12P-EG2



The 'Zone Settings' dialog box contains the following fields and controls:

- Name: Zone 11
- Zone: 11
- Linked Area: Active Functions, Area 1
- Detector Type: PIRCAM Detector
- Zone Type: Instant
- Stay Arm Bypass:
- Forbid Bypass on Arming:
- Chime:
- Silent Alarm:
- Sounder Delay Time: 0 s
- Cross Zone: None

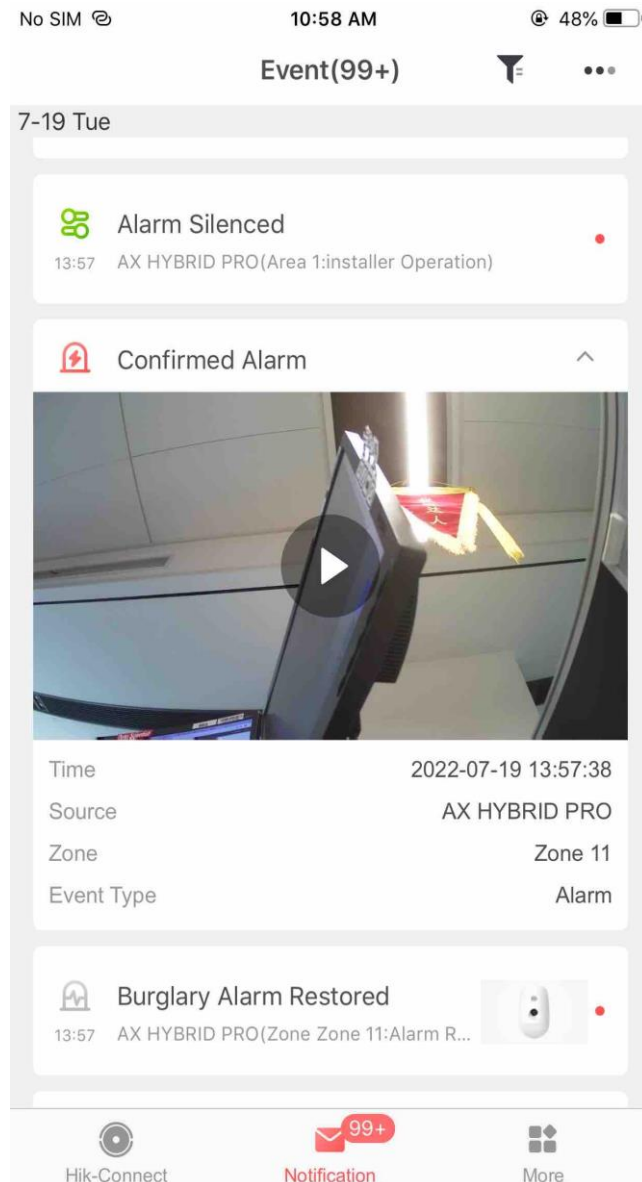


The 'Detector Settings' dialog box contains the following fields and controls:

- Sensitivity: Auto
- LED:
- Swinger Limit Activations: 0
- Image Resolution: HD (1280x720)
- Images In Series: 6
- Trigger Interval: 30 s
- Buttons: OK, Cancel

Wired PIRCAM supports configuration sensitivity, LED, Images resolution, Images In Series, and trigger interval;

After the PIRCAM alarms, it will take a snapshot of itself and upload it to EZVIZ

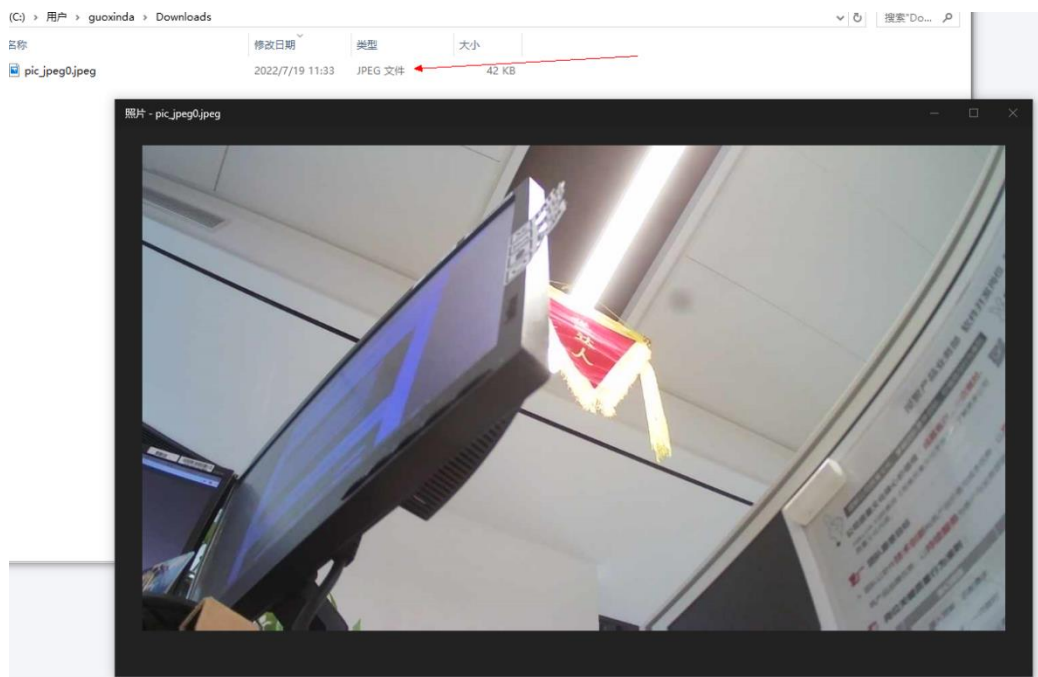


Wired PIRCAM supports manually capture pictures through the web, and the captured pictures will be saved locally.

Overview Area Control **Zone Control** Peripheral Control

Bypass Bypass Restored Type: All Type

Zone	Device Number	Name	Main Device	Channel No	Linked Area	Status	Operation
1	2	Zone 1	Zones Built-in	1	Area 1	Disarmed	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2	4	Zone 2	Zones Built-in	8	Area 1	Triggered	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3	5	Zone 3	Tri-X Receiver 1	/	Area 1	Disarmed	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
4	7	Zone 4	Tri-X Receiver 1	/	Area 1	Device Lid Opened	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
5	8	Zone 5	/	/	Area 1	Offline	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
6	9	Zone 6	Tri-X Receiver 1	/	Area 1	Device Lid Opened	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
7	11	Zone 7	Tri-X Receiver 1	/	Area 1	Offline	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
8	12	Zone 8	Tri-X Receiver 1	/	Area 1	Offline	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
9	13	Zone 9	Tri-X Receiver 1	/	Area 1	Device Lid Opened	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
10	14	Zone 10	/	/	Area 1	Disarmed	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
11	6	Zone 11	/	/	Area 1	Device Lid Opened	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="button" value="Capture"/>



3) Added BUS scan registration function

The WEB can manually open the bus scanning function to detect the unregistered wired peripherals on the bus, and present the scanned unregistered peripherals of a list. You can manually add unregistered peripherals in the list, and the completion of the addition prompts success.

No.	Module Address	Type	Model	Version No.	Operation
1	1	Wired Pircam	DS-PDPC12P-EG2	V1.0.0_build220627	Enroll
2	4	Wired Keypad	DS-PK1-LRT-HWE	V1.0.2_build220510	Enroll

Click **Enroll** to add the scanned peripherals

4) Support wired output module, Tri-X wireless receiver

Support display module name, module model, version information, online status, tamper status

BUS module supports Find Me function (operable via WEB and APP)

The new wired output module models as follows:

DS-PM1-O4L-H
DS-PM1-O4H-H

The new Tri-X wireless receiver model is DS-PM1-RT-HWE/WB

AX Hybrid PRO Status Zone Status Sounder Status Automation Keypad Status Keyfob Status **Module Status**

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No.	Device Number	Name	Module Type	Module Information	Module Version	Status
1	1	Tri-X Receiver 1	Tri-X Receiver	DS-PM1-RT-HWE	V1.0.0_build220608	Device Lid Opened
2	20	Output Expander 1	Wired Output Module	DS-PM1-O4L-H	V1.0.0_build220625	Device Lid Opened

Module Management

Delete Module Type: All Type

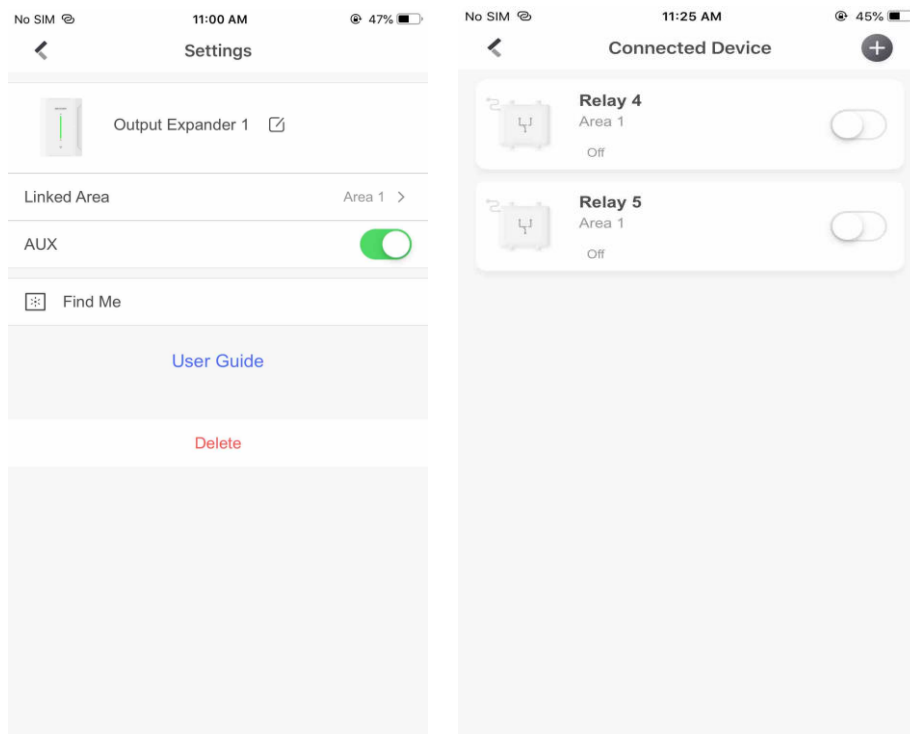
No.	Device Number	Name	Module Type	Module Information	Module Version	Status	Operation
1	1	Tri-X Receiver 1	Tri-X Receiver	DS-PM1-RT-HWE	V1.0.0_build220608	Device Lid Opened	⚙️ 🗑️
2	20	Output Expander 1	Wired Output Module	DS-PM1-O4L-H	V1.0.0_build220625	Device Lid Opened	⚙️ 🗑️

You can view the mounted devices of the module through the APP

The screenshot shows the 'Settings' screen for a 'Tri-X Receiver 1'. On the left, there are options for 'Linked Area' (Area 1), 'Find Me', and 'View Connected Device'. A 'User Guide' link and a 'Delete' button are also visible. On the right, a list of mounted devices is shown, each with an icon, a zone name, and an area:

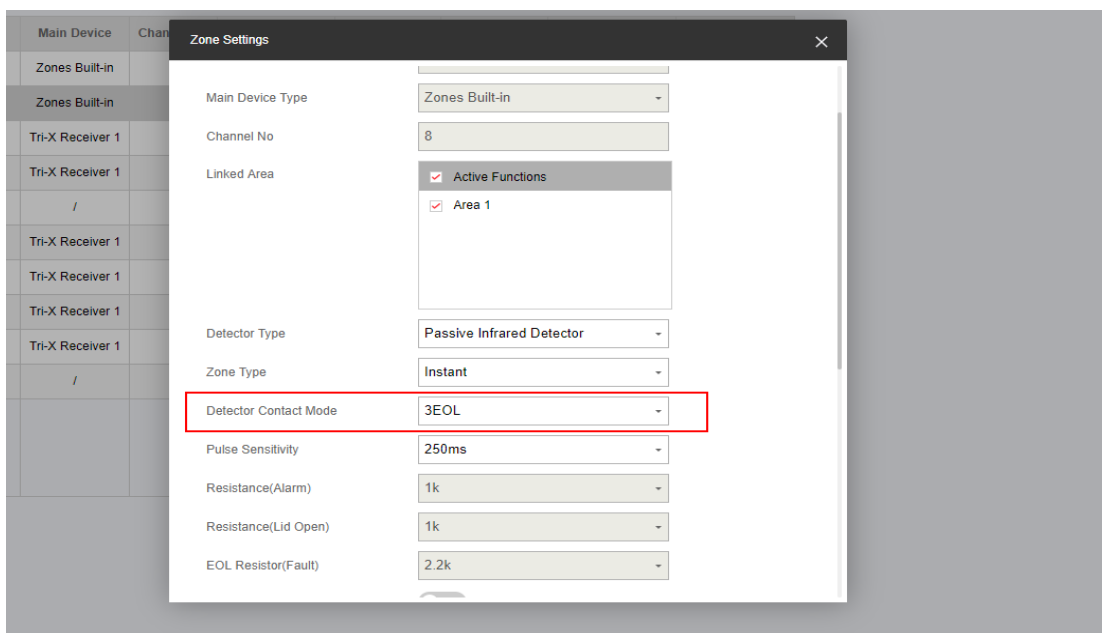
- Zone 3, Area 1
- Zone 4, Area 1
- Zone 6, Area 1
- Zone 7, Area 1
- Zone 8, Area 1
- Zone 9, Area 1
- Sounder 2, Area 1

Devices mounted under the Tri-X wireless receiver



Devices mounted under the wired output module

5) Wired Zone supports 3EOL Function



After the 3EOL function of the wired zone is enabled, the zone can detect two new detector status of masking and faults

AX Hybrid PRO Status **Zone Status** Sounder Status Automation Keypad Status Keyfob Status Module Status

Refresh

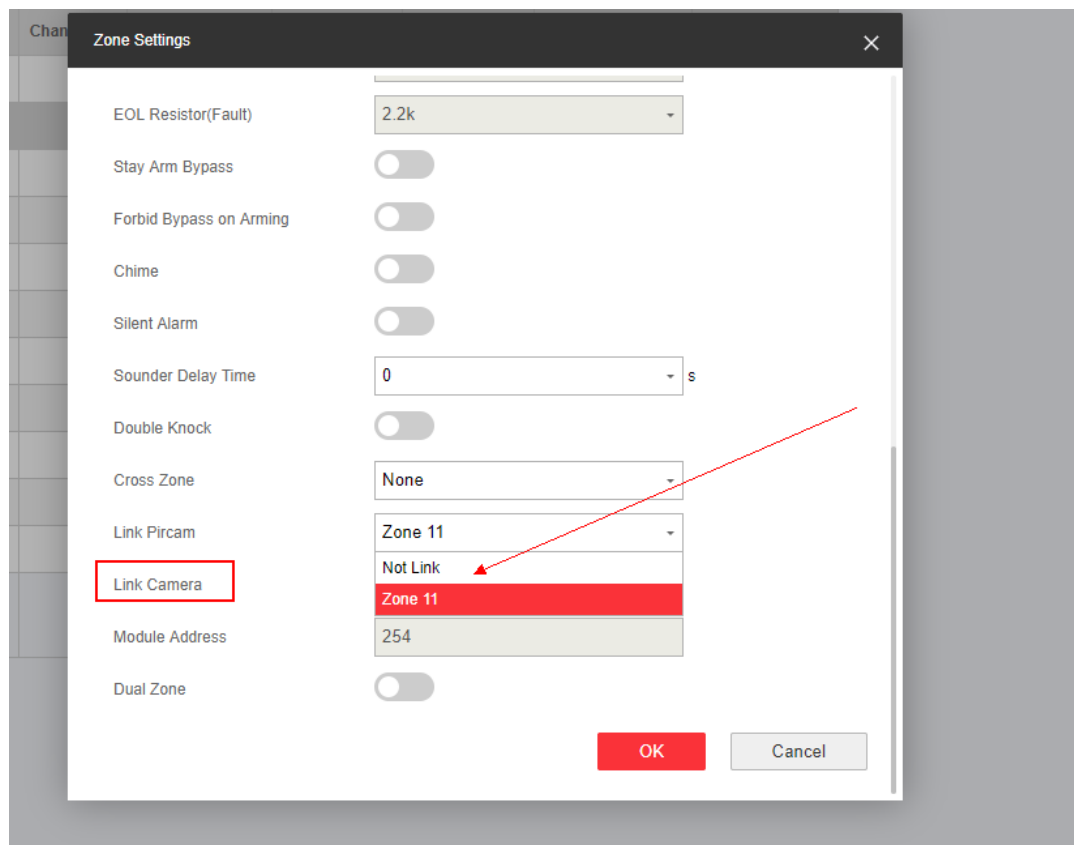
Zone	Device Number	Name	Main Device	Temperature(°C)	Humidity	Battery Status	Signal Strength	Unhandled ...	Arming/Dis...	Detector St...	Version No.
1	2	Zone 1	Zones Built-in	/	/	/	/	Normal	Disarmed	Online	/
2	4	Zone 2	Zones Built-in	/	/	/	/	Normal	Disarmed	Masking	/
3	5	Zone 3	Tri-X Receiver 1	29	/	OK	(Strong)	Normal	Disarmed	Online	V1.1.0

AX Hybrid PRO Status **Zone Status** Sounder Status Automation Keypad Status Keyfob Status Module Status

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Zone	Device Number	Name	Main Device	Temperature(°C)	Humidity	Battery Status	Signal Strength	Unhandled ...	Arming/Dis...	Detector St...	Version No.
1	2	Zone 1	Zones Built-in	/	/	/	/	Normal	Disarmed	Online	/
2	4	Zone 2	Zones Built-in	/	/	/	/	Normal	Disarmed	Fault	/
3	5	Zone 3	Tri-X Receiver 1	29	/	OK	(Strong)	Normal	Disarmed	Online	V1.1.0

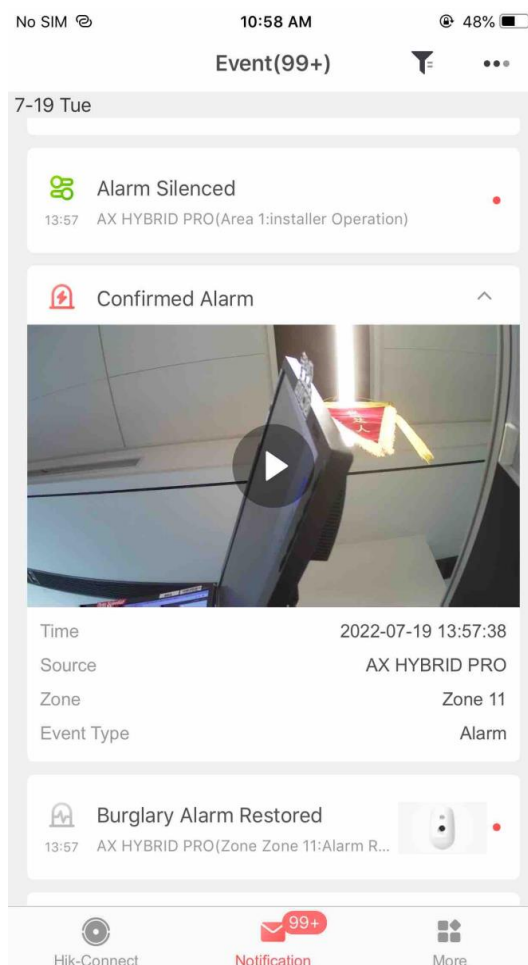
6) Support wired PIRCAM for video review function



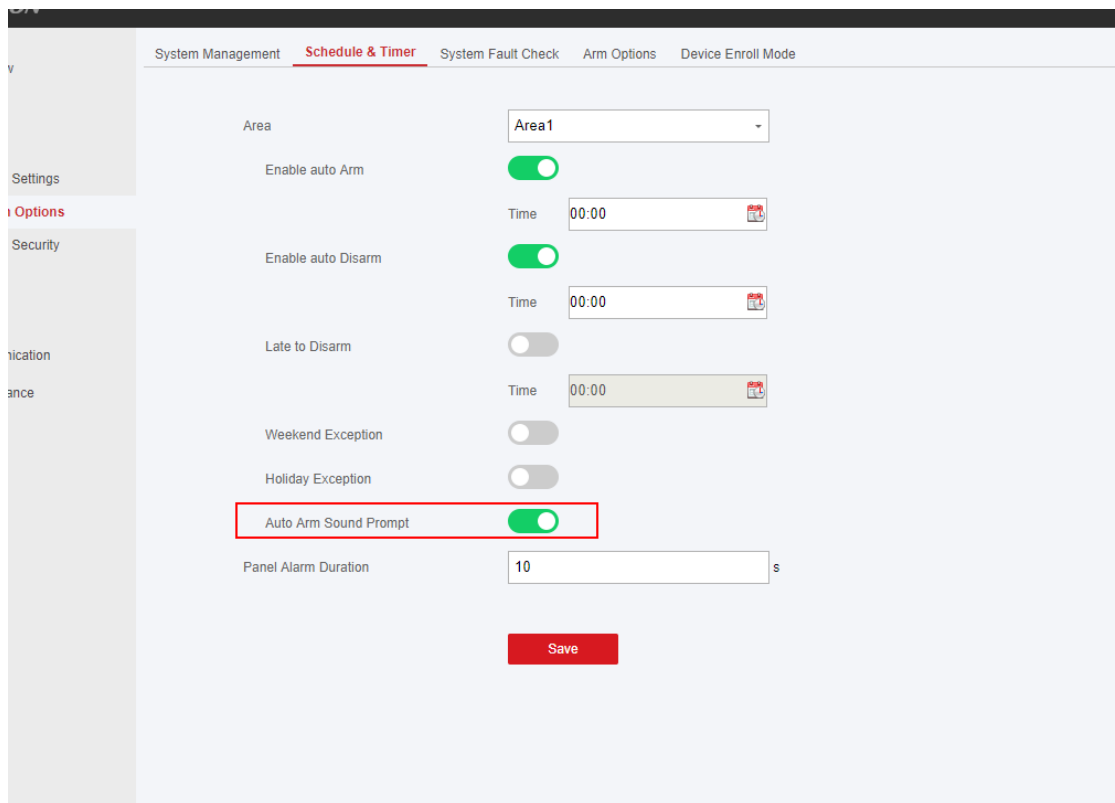
Only non-PIRCAM zone detectors can be linked with other PIRCAM; after linkage, when an alarm is triggered in this zone, the linked PIRCAM will be to capture pictures.

Basic Settings										
Zone	Device Number	Name	Main Device	Channel No	Device Types	Silent Alarm	Chime	Linked Camera	Operation	
<input type="checkbox"/>	1	2	Zone 1	Zones Built-in	1	24-hour Zone	Disable	Disable	Zone 11	
<input type="checkbox"/>	2	4	Zone 2	Zones Built-in	8	Instant	Disable	Disable	/	
<input type="checkbox"/>	3	5	Zone 3	Tri-X Receiver 1	/	Instant	Disable	Disable	/	
<input type="checkbox"/>	4	7	Zone 4	Tri-X Receiver 1	/	24-hour Zone	Disable	Disable	/	
<input type="checkbox"/>	5	8	Zone 5	/	/	Panic	Disable	Disable	/	
<input type="checkbox"/>	6	9	Zone 6	Tri-X Receiver 1	/	Instant	Disable	Disable	/	
<input type="checkbox"/>	7	11	Zone 7	Tri-X Receiver 1	/	24-hour Zone	Disable	Disable	/	
<input type="checkbox"/>	8	12	Zone 8	Tri-X Receiver 1	/	24-hour Zone	Disable	Disable	/	
<input type="checkbox"/>	9	13	Zone 9	Tri-X Receiver 1	/	Panic	Disable	Disable	/	
<input type="checkbox"/>	10	14	Zone 10	/	/	Panic	Disable	Disable	/	
<input type="checkbox"/>	11	6	Zone 11	/	/	Instant	Disable	Disable	/	

After the zone 1 linked with the zone 11 (PIRCAM), when the zone 1 generates an alarm, it will link the PIRCAM to take a picture and synthesize the video and upload it to the APP for association with the alarm of the zone 1



7) Added auto arm sound prompt enable



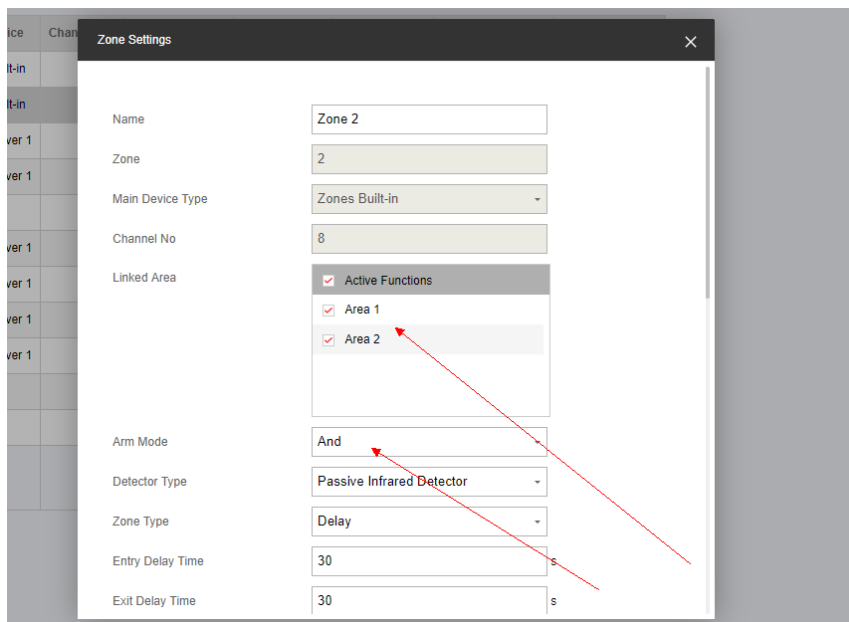
When this configuration item is turned on, the auto arming and auto disarming need to be turned on at the same time to take effect. If this configuration item is turned off, the automatic arming countdown will be silent.

2. Feature Optimization:

1) BUS speed adaptive

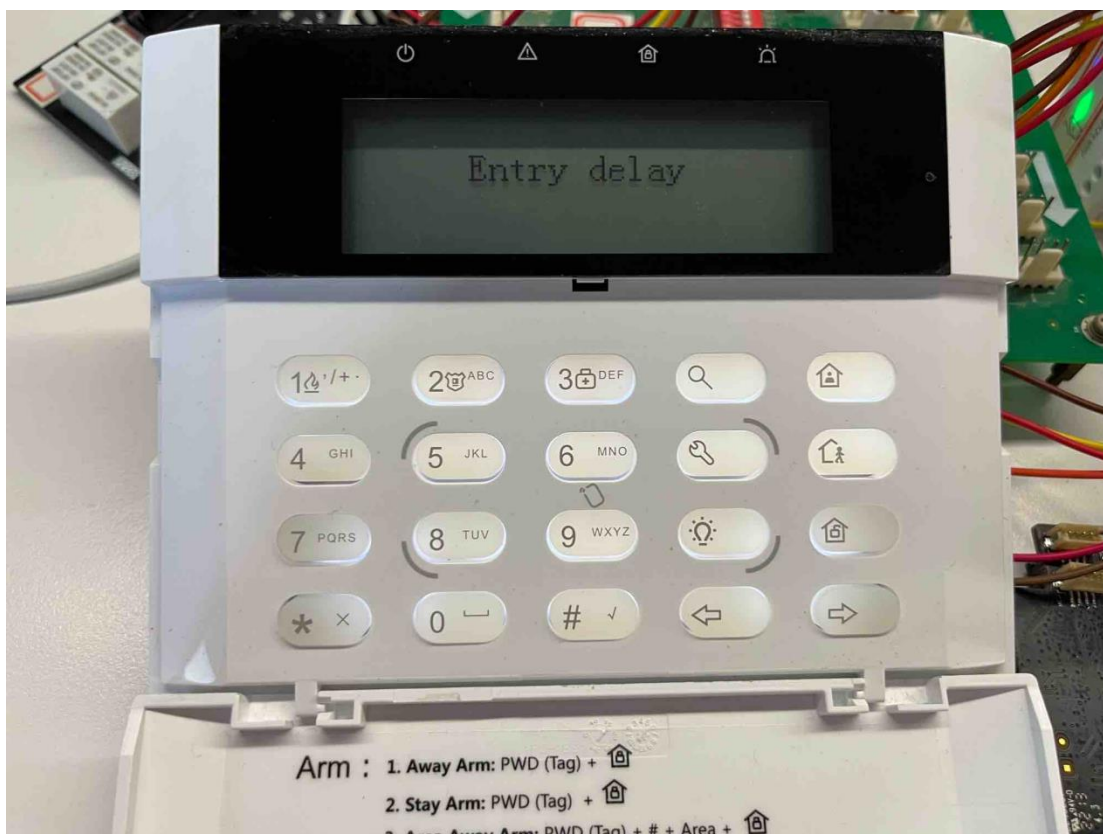
In low-rate mode, it can meet the communication requirements of not less than 900m, and the response delay of devices on the bus doesn't exceed 1s.

2) When the arm mode of the delay zone is “and”, it can be configured as a public zone



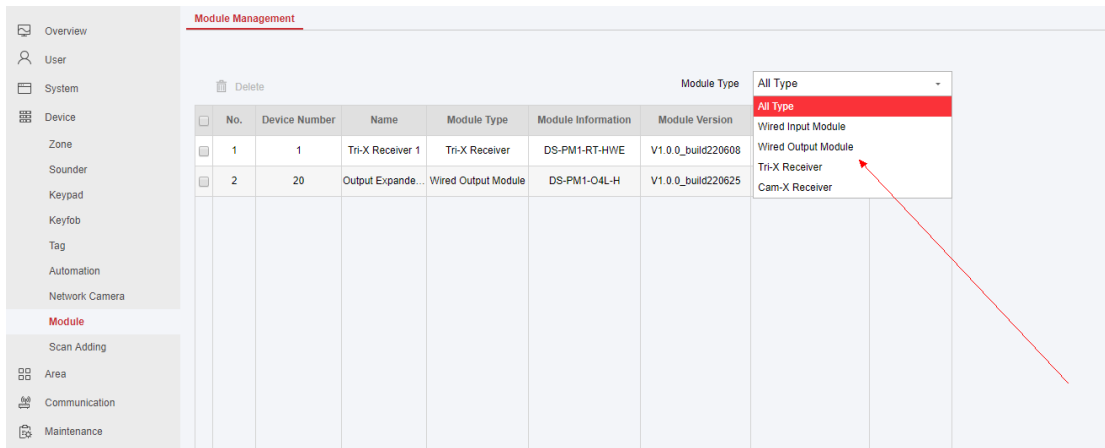
3) LCD keypad added Entry Delay interface

The LCD keypad added Entry Delay interface, and wake up the keypad and wake up the button when entering the delay time



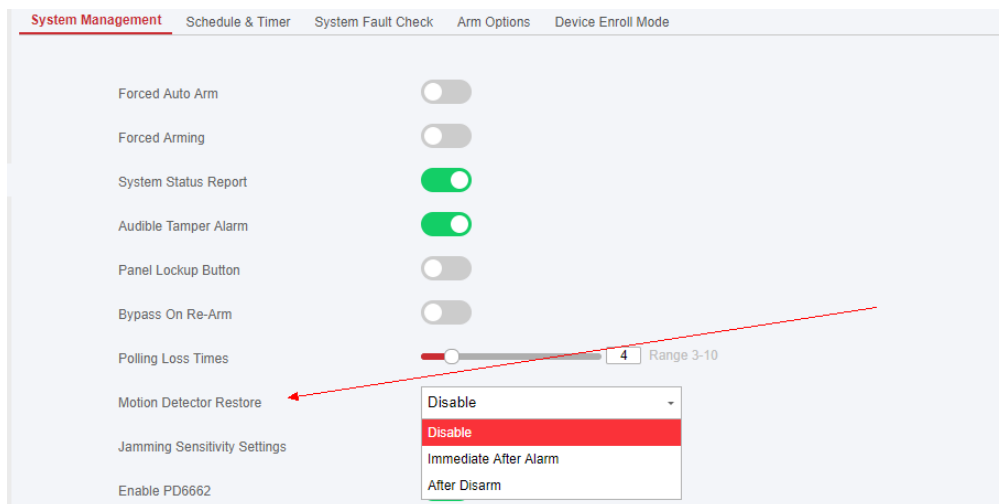
4) Module display optimization

The module management page information can be displayed all, and the corresponding module type can be selected according to the drop-down box.



5) Added Motion Detector Restore reporting configuration

Can control whether the Motion detector Restore report CID is uploaded to the ARC and EZVIZ



6) Web interface added Peripheral Control interface

The Web interface added the Peripheral Control interface, which can perform find me operations on the bus module on the web



Remarks:

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