AX PRO

Version: V1.2.9

Release Note

(2023-07-16)

1. Firmware Basic Information

Firmware Basic Information	Firmware Version	V1.2.9_build230711
	Device Type	DS-PWA64-L-WE/WB DS-PWA96-M-WE/WB DS-PWA96-M2-WE/WB DS-PWA96-M2H-WE/WB

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-Partnerpro.

2. V1.2.9 Upgrade Note

2.1 New Add Functions:

1) Add function of Automatically Synchronize Status Updates.

Areas status of arm and disarm, door magnets status of trigger that displayed in Hik Partnerpro will be automatically synchronize status updates when **the panel is not be hand over.**

2) Add function of display the amount of fault in HC/HPP APP.

It will display the **amount of fault** on fault retrieve button, press the fault retrieve button to check current panel fault.
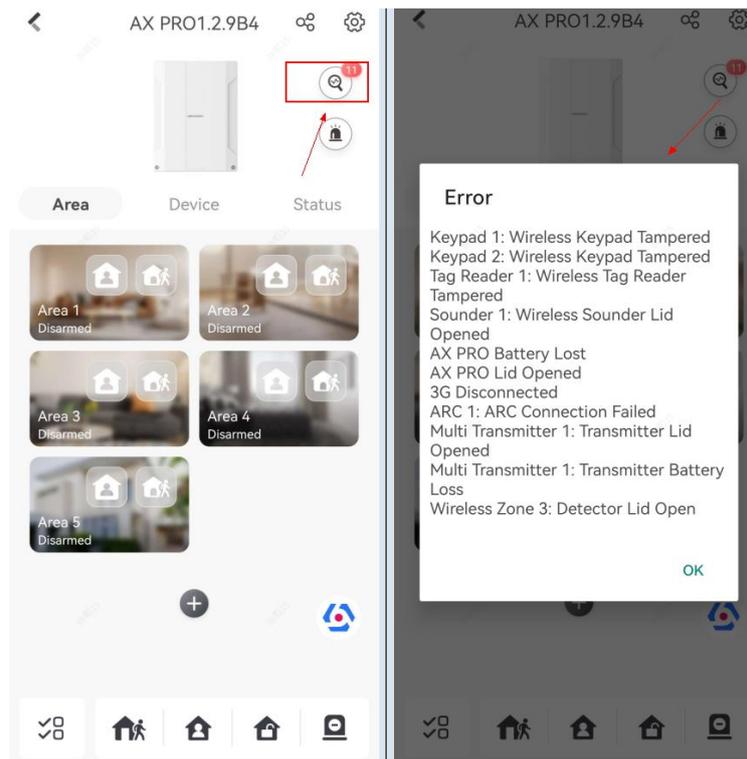
Figure2-1 HC/HPP APP

3) Add function of panel and repeater battery fault check.

When the fault occurs, **record log and report battery fault event**. Fault check includes:

(a) After 40 minutes of battery charge, the battery voltage still can't up to 3.2V;

(b) The battery voltage abnormal change;

(c) Detect the temperature sense line whether disconnect, battery will stop charge when the line is disconnected.

4) Support custom the alarm voice prompt in HC only for Android.

For different types of alarm events, it can configure audio broadcast for default or configure customized audio broadcast. Default audio broadcast can select audio with text or pure prompt audio. The format of audio file is supported mp3, aiff, the time of each audio file should be less than 30s.
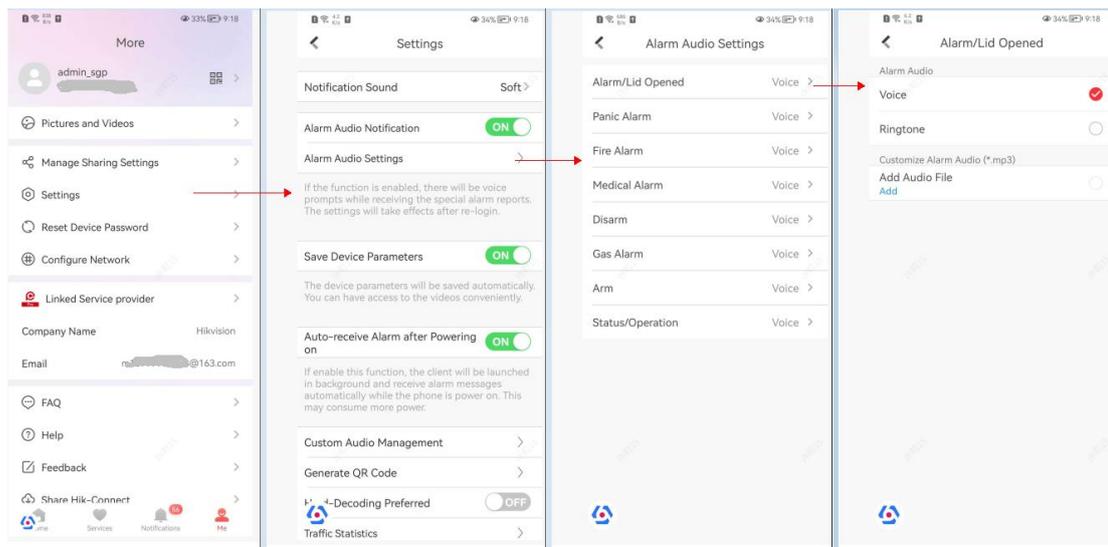
Figure4-1. audio customization in HC for android

5) Add function of Displaying Last Triggered Time and Last Picture information columns for Device status in Health Monitor Report. The details are as follows:

1. Time of the last alarm triggered for the zone.

2. Time of the last operation for keypad/tag reader/keyfob.

3. Time of the last linked output open/close for automation module(wired/wireless relay, wall switch, smart plug)

4. Time of the last linked alarm for sounder

5. Time of the last alarm triggered for single/multiple transmitter

6. Time of the last alarm trigger time of on-board IPC

7. Time of last capture picture for PIRCAM/outdoor detectors

8. The status information (online status, Tamper status, power status) of wired relay for On-board transmitter report. Notice: just for DS-PWA96-M2H-WE and DS-PWA96-M2H-WB model panel

Device Status [NOT PASS]

Results	Name	Type	Tampering Status	Bypass	Polling	Battery Level	RF Signal Strength	Extension Module AC Power Down	Last Trigged Time	Last Capture Time
NOT PASS	Wireless Zone 1	Wireless Zone	Yes	No	OK	Normal	Strong	- -	2023-04-07T19:17:31+08:00	- -
NOT PASS	Wireless Zone 2	Wireless Zone	Yes	No	OK	Normal	Strong	- -	2023-04-07T19:22:19+08:00	- -
PASS	Transmitter 1	Wired Zone	No	No	- -	- -	- -	- -	- -	- -
NOT PASS	Wireless Zone 4	Wireless Zone	Yes	No	OK	Normal	Strong	- -	2023-04-07T19:14:35+08:00	- -

https://hpc-sgp-uat-3.hik-partner.com/HikProConnect/index.html#/pdfView?type=normal   2/3

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NOT PASS	Keypad 1	Wireless Keypad	Yes	- -	OK	Normal	Strong	- -	2023-04-07T19:47:07+08:00	- -
PASS	Transmitter 1	Wireless Transmitter	- -	- -	OK	Normal	Strong	- -	- -	- -
- -	Keyfob 1	Keyfob	- -	- -	- -	- -	- -	- -	2023-04-07T19:36:02+08:00	- -

Figure5-1 portal health monitor report

6) Add configuration option in keypad configuration interface

Add Remote Arm/Disarm Indication configuration option, it can enable or disable this option via web and App. Default is disable.

All LED keypad supported this function whatever the old or new versions, **LCD keypad need to upgrade firmware version to V1.0.6.**
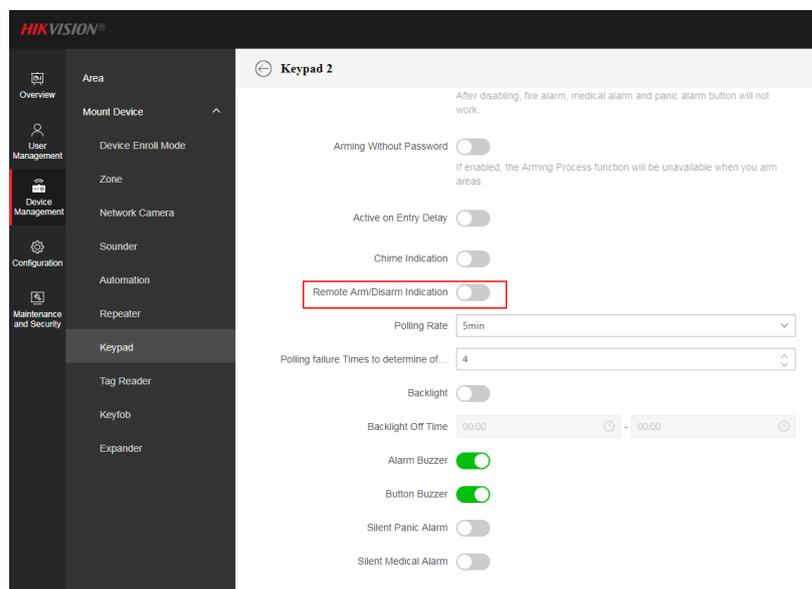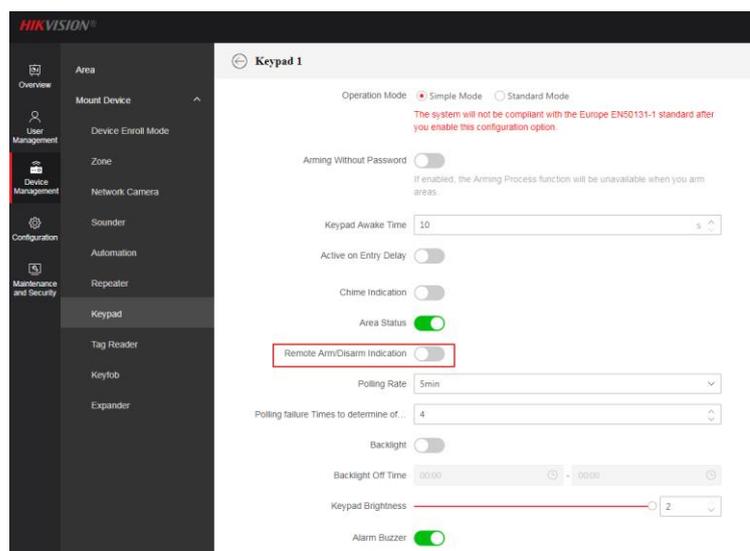
Figure6-1. LED keypad

Figure6-2. LCD keypad

After enable this option, keypad which linked areas can prompt areas have been armed/disarmed (include auto-arm/disarm) when remote arm/disarm areas (APP/tag reader/keyfob/keypad).

When arm/disarm successful:

LED keypad auto-active, buzzer makes a DiDi sound and keypad flashes the LED of arm/disarm.

LCD keypad auto-active, the screen display arm/disarm successful prompt, buzzer makes a DiDi sound and keypad flashes the LED of arm/disarm.

7) **Add configuration option(Area Status) for LCD keypad, enabled by default.**

This function need to upgrade LCD keypad firmware version to V1.0.6.

(a)   After disable Area Status option, when panel doesn't have alarm events, LCD keypad display the contents of TEXT1 and TEXT2 【editable text like Company name and phone number.】 as 7-1 shows.

(b)   After enable Area Status option, when panel doesn't have alarm events, LCD keypad display the specific arm and disarm status of areas rather than display the contents of TEXT1 and TEXT2 , as 7-2 shows.

(c)   After disable Area Status option, when panel has alarm events, LCD keypad

display "Alarm", as 7-3 shows.

(d)　　After enable Area Status option, and when panel has alarm events, LCD keypad display "Alarm" first, then display the specific alarm event automatically after keypad get the information. LCD keypad will display the name of zones or peripherals, and display the causes of alarms such as tamper alarm, zone alarm etc. LCD keypad priority display the latest alarm information according to the time of alarm triggered; display up to twenty alarm events. As 7-4 shows

Figure7-1 Area Status disabled and no alarm
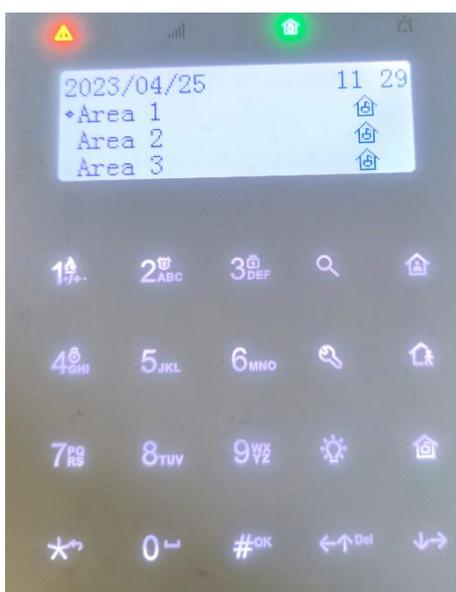
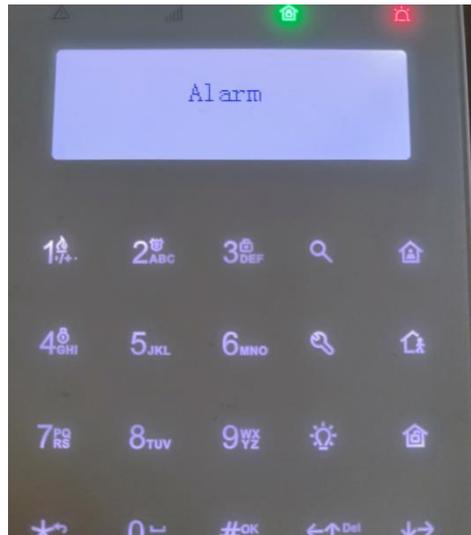Figure7-2 Area Status enabled and no alarm

Figure7-3 Area Status disabled and with alarm

Figure7-4 Area Status enabled and with alarm

8) Add multiple language for LCD keypad

This function need to upgrade LCD keypad firmware version to V1.0.6.

The new multilingual types supported on the LCD keypad are: Danish, Lithuanian, Norwegian, Brazilian Portuguese, Swedish, Slovenian, Ukrainian, and Bulgarian.

9) Add Peripherals Battery Lost/Restore Event Report

Peripherals Battery Lost/Restore Event will report **Ezviz Cloud.**

10) Add Version Information to Panel Remote Upgrade Log

Version information will be added to panel remote upgrade log additional information.

11) Add single audio packages, program packages and merged packages web upgrade function.

12) Add Detectors that Made in China Access

(1) Product Name: PIR Curtain, Model: DS-PDC15-EG2-WB(B), Parameter configuration and addition method same as DS-PDC15-EG2-WB.

(2) Product Name: PIR Curtain, Model: DS-PDC15-EG2-WE(B), Parameter

configuration and addition method same as DS-PDC15-EG2-WE.

(3) Product Name: PIR, Model: DS-PDP15P-EG2-WB(B), Parameter configuration and addition method same as DS-PDC15-EG2-WB.

(4) Product Name: PIR, Model: DS-PDP15P-EG2-WE(B), Parameter configuration and addition method same as DS-PDC15-EG2-WE.

(5) Product Name: Magnetic Contact, Model: DS-PDMC-EG2-WB(B), Parameter configuration and addition method same as DS-PDMC-EG2-WB.

(6) Product Name: Magnetic Contact, Model: DS-PDMC-EG-2WE(B), Parameter configuration and addition method same as DS-PDMC-EG2-WE

2. Feature Optimization:

1) Upgrade web interface version to web 5.0 version

Interaction interface design is more reasonable, friendly, and beautiful and support better operating experience.

2) Add Permission Validity Period column in user interface of web

It can be used to distinguish between **permanent user** and **one time** user

Figure2-1. one time user and permanent user

3) Optimization of status information display.

Add icon to display network information used by the device **in APP** status interface currently.

Add icon to display which type of network (Wired/Wi-Fi/SIM1/SIM2) used by the device to connect Ezviz cloud currently **in Web.**
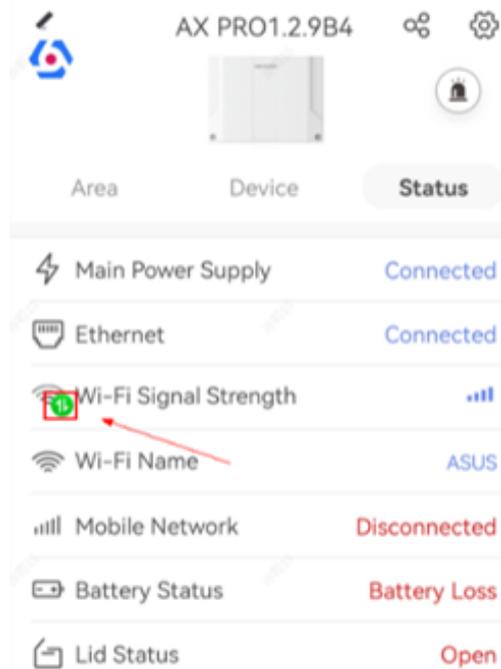
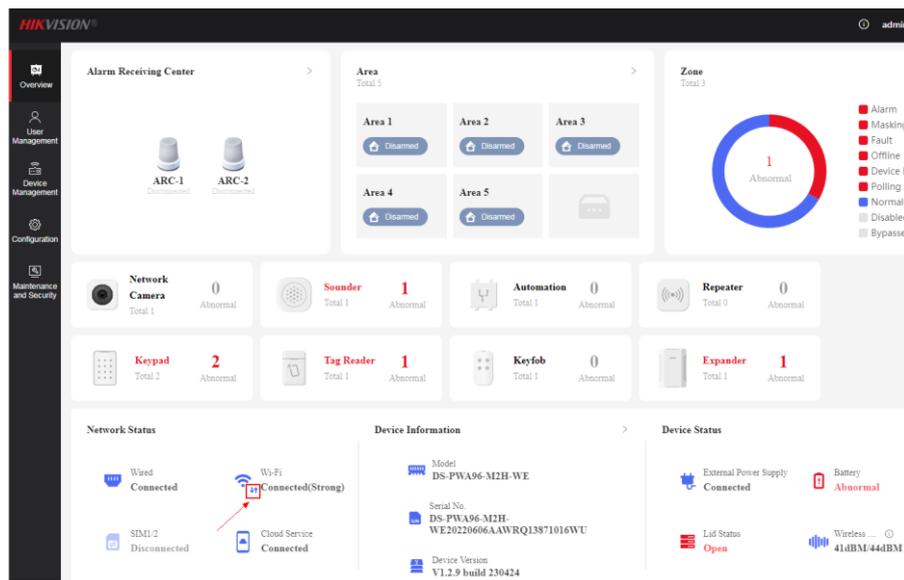Figure3-1. Display the network in use in APP

Figure3-2. Display the network in use in APP

4) Optimized panel upgrade prompts

(a)   For DS-PWA64-L-WE/DS-PWA64-L-WB/DS-PWA64-L-WA models panel. When upgrade panel in APP/Portal that if panel connects to Ezviz cloud **via 2G network**, it will **prompt** "Upgrading over mobile network is unstable and takes longer time. It is recommended that you upgrade using Wi-Fi or wired network." User can select "Cancel" to cancel upgrade or select "OK" to continue to upgrade.

(b)   The upgrade progress will prompt current upgrade **time remaining** when

updating panel in APP/Portal

(c)   If panel is in arming status, it will prompt "Upgrading failed. The device is armed." when upgrade panel firmware or peripheral firmware in APP、Portal、Web
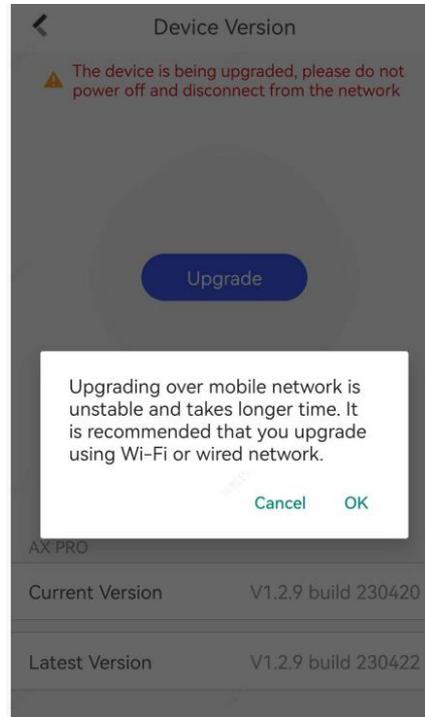

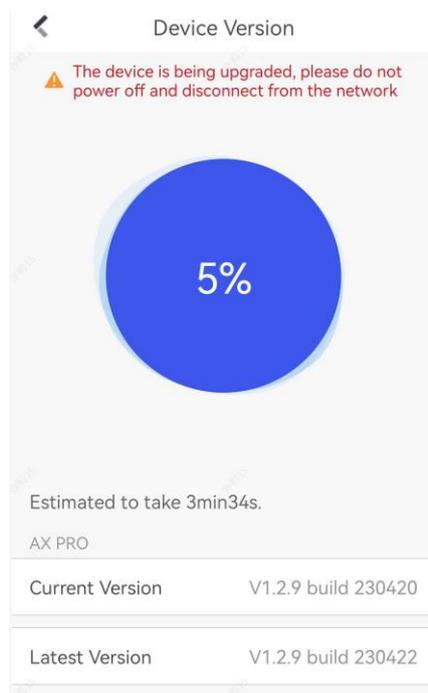Figure4-1.upgrade prompt for L model device using mobile network

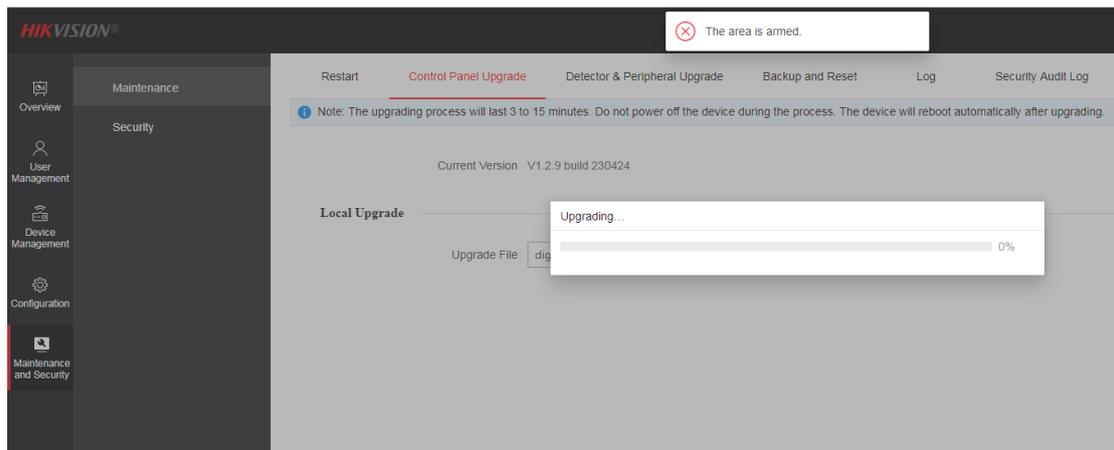Figure4-2. display upgrade with time remaining
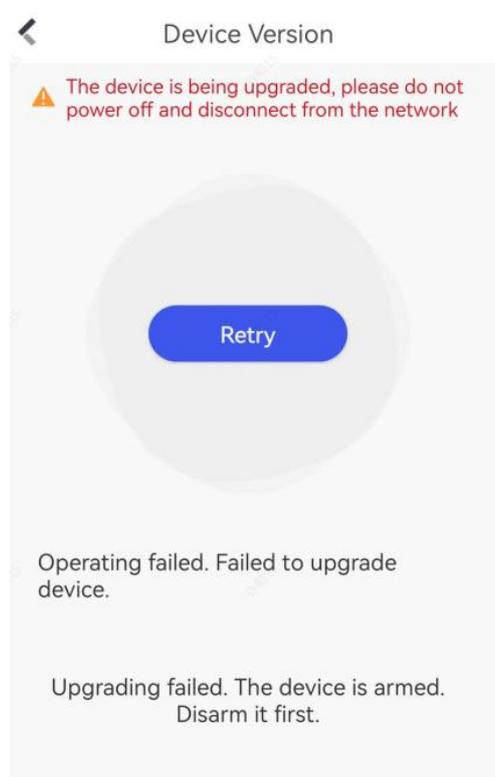
Figure4-3.upgrade failed in armed status (web)

Figure4-4.upgrade failed in armed status (app)

5) Support configure high temperature threshold and low temperature threshold for temperature and humidity detectors via Web/HC/HPC

Temperature Detector need to update to V1.4.0 version

(a)   The temperature threshold for High temperature and Low temperature can't been configure same, support configure all (both above and low), one of them or disable it. Support for configured temperature ranges remains the same as the original range
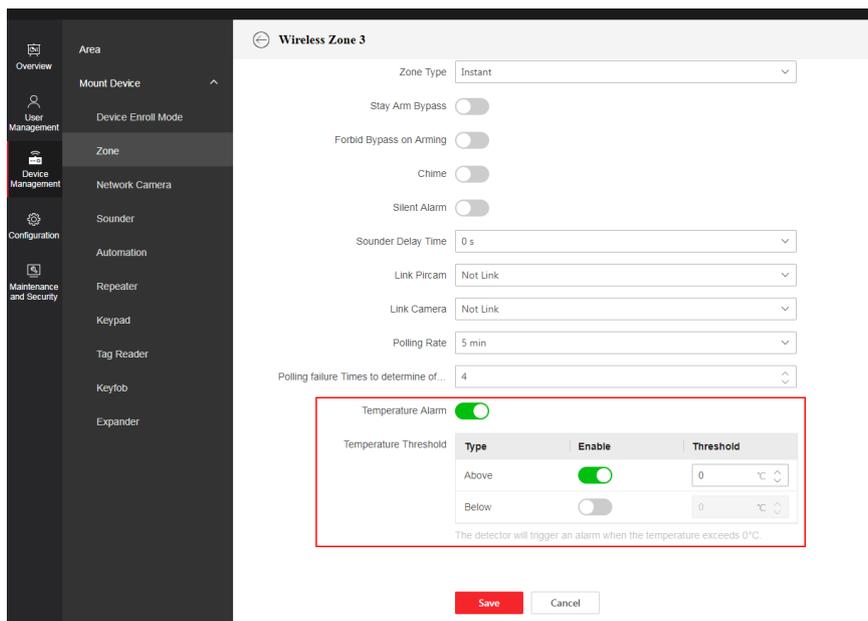
Figure5-1. Temperature and humidity detectors support high and low temperature
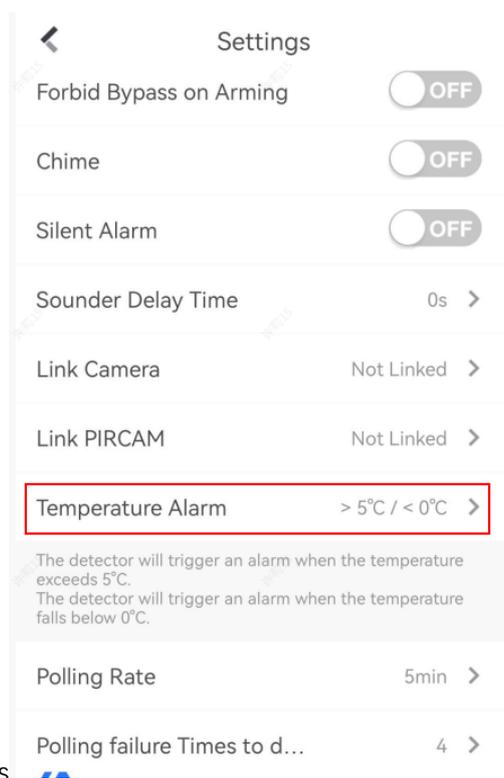
thresholds (web)

Figure5-2. Temperature and humidity detectors support high and low temperature

thresholds (app)

(b)　　Support relay linkage temperature and humidity detector what associated with zone, after selecting the linked zone alarm, you can choose low temperature alarm or high temperature alarm, can be configured all, only one or no configuration
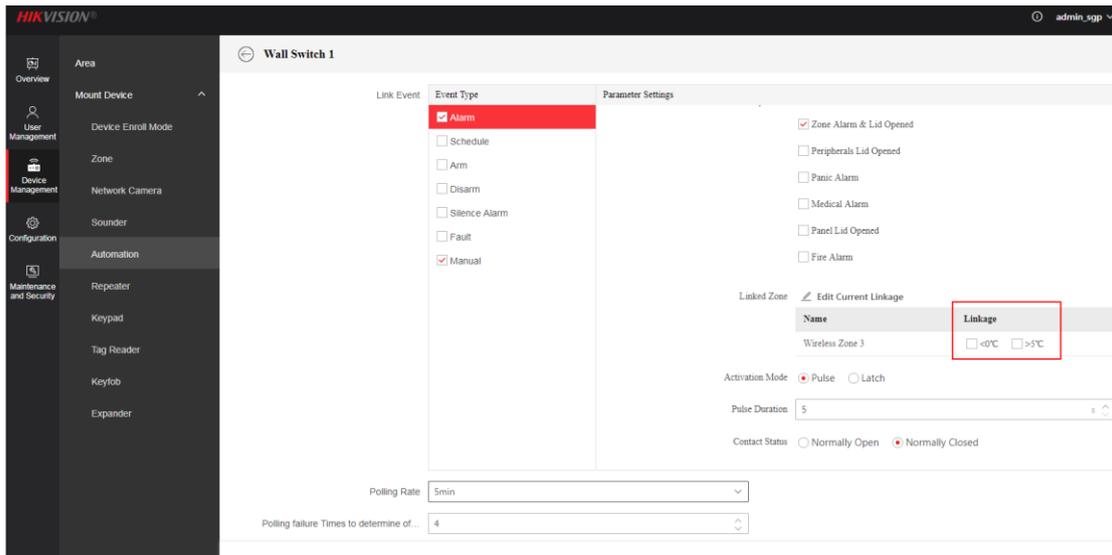
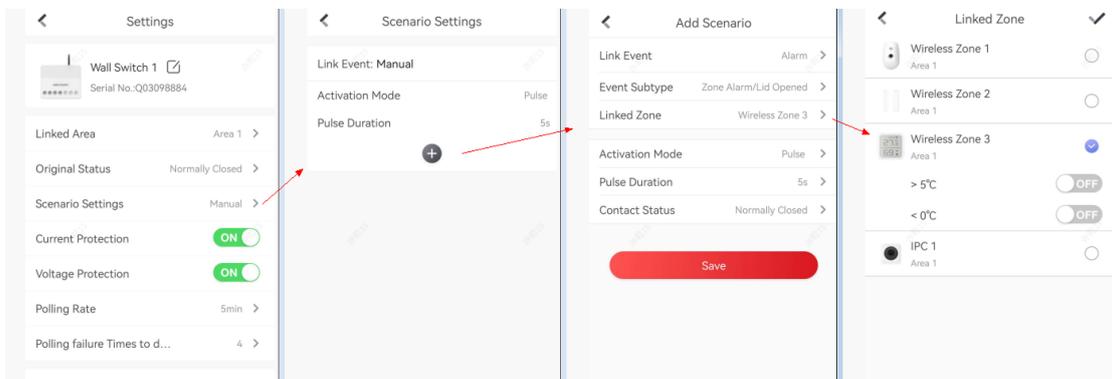Figure5-3. Relay linkage temperature and humidity detector (web)

Figure5-4. Relay linkage temperature and humidity detector (app)

6) Optimized the display of wireless noise level

(a)   Split the wireless noise level interface into: **Cam-X** background noise and **Tri-X** background noise;

(b)   Add the **corresponding tips** in Cam-X background noise and Tri-X background noise interface: prompt **currently value** of background noise, prompt the installation is not recommended when the background noise is higher than XX (**for 868 frequency band: threshold value of Tri-X background noise is 53, threshold value of Cam-X background noise is 70; for 433 frequency band: threshold value of Tri-X background noise is 64, threshold value of Cam-X background noise is 76**)
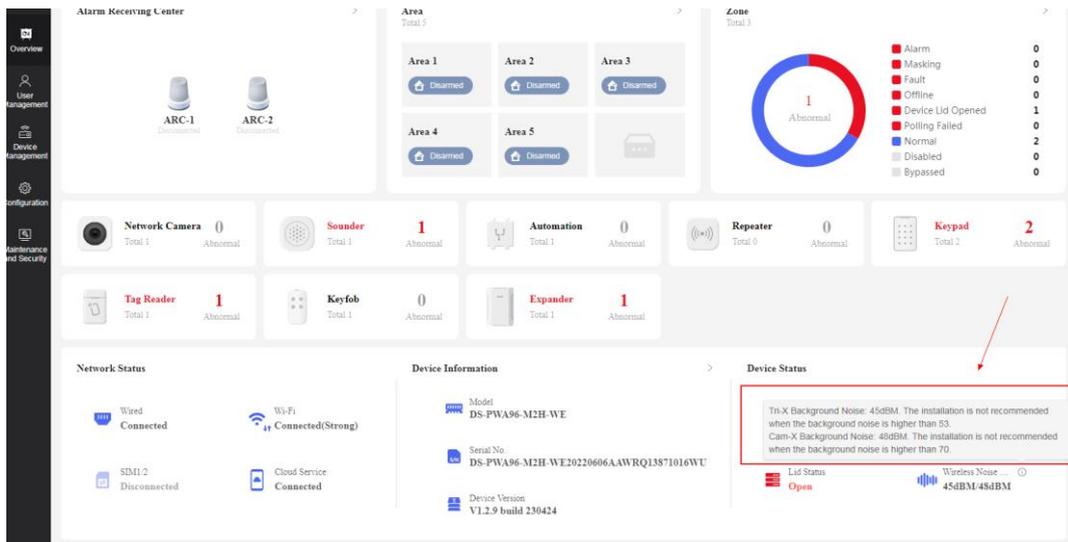
Figure6-1. Optimize display wireless noise level in web interface

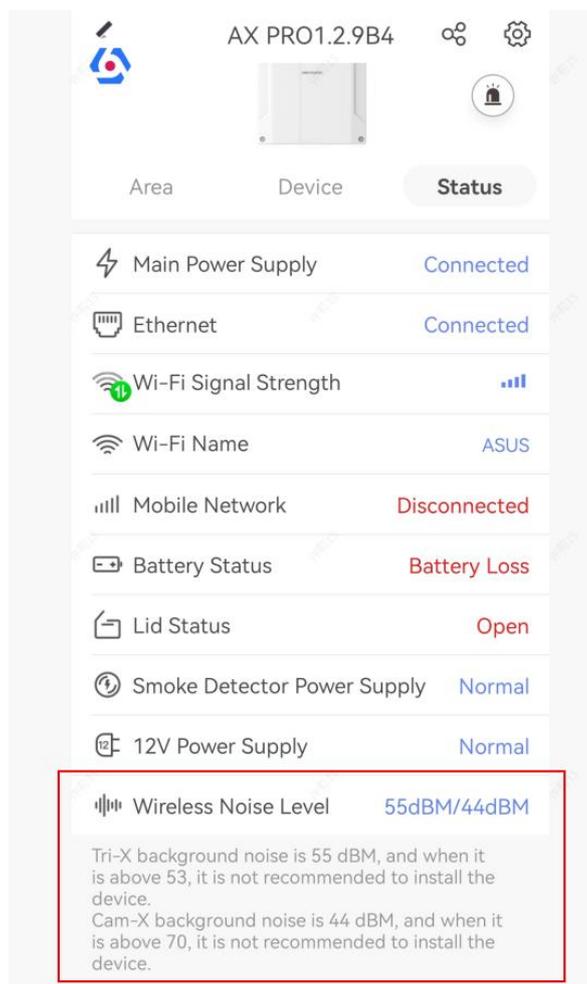Figure6-2. Optimize display wireless noise level in app interface

7) Optimized the function of detectors and Peripherals upgrade

If the signal strength is below 80 for Tri-X detectors or peripherals or the signal strength is below 100 for Cam-X detectors or peripherals, it will prompt unable to upgrade

when updating detectors and peripherals (besides key fob and panic button without open heartbeat function).

(a) Peripherals upgrading through WEB Add prompt in upgrade interface: "The current wireless signal strength value is X. Signal strength value greater than Y is required to upgrade."(X is current signal strength value, Y is required signal strength, 80 for Tri-X detectors and peripherals, 100 for Cam-X detectors). If the current signal strength does not meet criteria for upgrade, it will block upgrade operation. As 7-1 shows

(b) Peripherals upgrading through cloud. Add prompt in upgrade interface: "The current wireless signal strength value is X. Signal strength value greater than Y is required to upgrade."(X is current signal strength value, Y is required signal strength, 80 for Tri-X detectors and peripherals, 100 for Cam-X detectors). But it will only indicate the upgradeable signal strength standard in APP interface and will not prevent the peripheral from being upgraded. Notice：Only repeater support upgrade through Cloud.
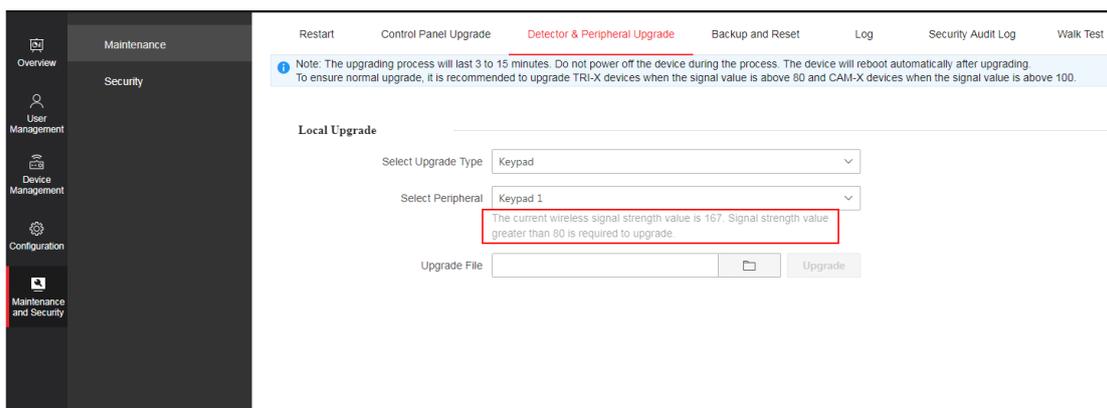
Figure7-1. Peripherals upgrading through WEB

8) Permission management optimization

Device supports mutual disarming between different users. When the HC user has turned off the remote configuration permission to the HPP account (the installer user is still on the device), HC user will restore all configuration permission to the device

9) Optimized translation

"**Clear Alarm**" has been changed to "**Silence Alarm**".

10) Optimized email configuration

Supports configure sender and receiver names with spaces

11)Optimized input control prompt

No more prompts for the exact number of bytes that can be entered in input control of APP/WEB interface, only when the input limit has been reached prompts for character overrun. And it will be failed to save successfully when the input bytes over the limit.

12) Delay zone function Optimization

(a)   Display optimization

When the zone or IPC zone is configured as a delay zone, add the Warning Time Enable item, the previous Report Sending Delay time configuration item becomes a Warning Time configuration item.

Warning Time Enable can be configured as ON/OFF, the default is OFF, the configuration Warning Time can only be displayed when this configuration item is enabled.

Warning Time can be configured in the range of 1-3600s, the default is 30s.

(b)   Function optimization

Add Warning Time Enable function and configure the Warning Time.

(1) After the delayed time countdown in the delay zone has expired, the alarm is linked to the sounder, relay and other devices. Report the alarm notification to ARC after the end of warning time; if disarm or clear alarm before the end of warning time, no alarm notification will be reported.

(2) When a delay zone enters the delayed time and triggers an instant zone under the same area, it will immediately activate sounder, relay and other devices to generate alarms. Report the alarm notification to ARC after the end of warning time; if disarm or clear alarm before the end of warning time, no alarm notification will be reported.

(3) If Early Alarm is enabled in "System Options-Arm Options" in V1.2.8 and earlier version, the Warning Time of all delay szone parameters (including the IPC delay zone parameters) will be the same as The Early Alarm Time value is used.
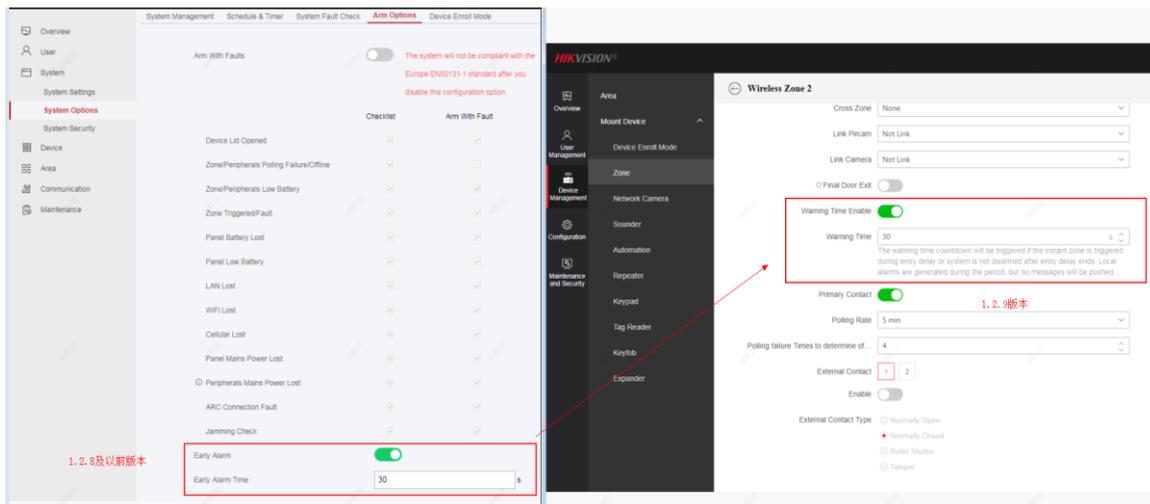
13) Hik-Connect configuration interface optimization

The Hik-Connect communication network parameters configuration page supports the modification of the phone number to be pushed in the push message configuration, eliminating the need to delete and re-add a new number.

14) When an alarm is generated in a wired zone mounted under a door magnet detector, transmitter or glass break detector, the corresponding detector icon will be displayed in the app's alarm message push according to the detector type.
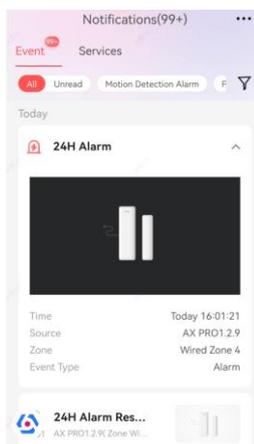
**15) In the APP device list page, the arming icon is displayed in blue when the device is armed and light green when it is disarmed**

16) APP supports real-time display of the switching status of the strong and weak power modules[Relay/wall switch]

17) Optimized User Management, System, Area configuration items:

(a) The User Management interface configuration items are adjusted as follows.

(1) Admin and Installer user interface, new Added Card/Tag layout, here you can add a card and associate it directly to the corresponding user.

(2) Admin and Installer user interface, new Added Key fob layout, here you can add key fob and associate it directly to the corresponding user.
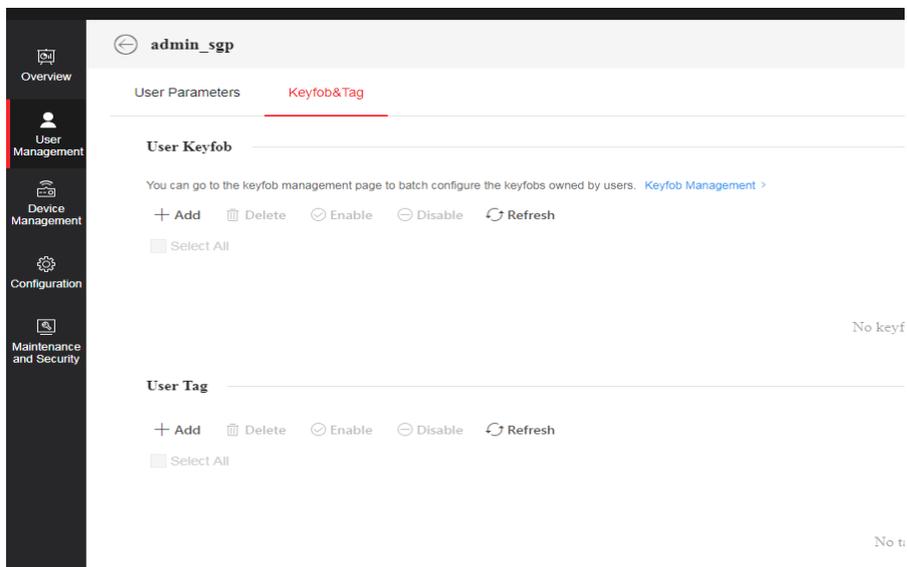

(b) System Options -> System Management interface configuration items are adjusted as follows.

(1) **Delete Forced Arming** configuration option. **By default,** the Panel will execute **follow the Forced Arming logic forever.**

(2) Forced **Auto** Arm is **moved** to the Area -> Auto Arm page and renamed to Force Arm when System has Faults, **you can set it in every area setting page..**

(3) Delete the **System Status Report** configuration item.

(4) Add Panel LED Display enable item, when enabled you can configure Arm LED (formerly known as Arm LED Stay On)/Cloud LED (formerly known as Hik-Connect Indicator)/Fault LED Stays On When Armed.

(5) "**Wireless Supervision Loss**" is renamed "**Polling failure times to determine offline**" and is **moved** to the **Detector/Peripheral configuration page** under the **Polling Rate configuration** item. Each detector/peripheral has a Polling failure times to determine offline configuration item.

(6) Delete Early Alarm and Early Alarm Time configuration items.

(7) You can set delay time for 'Battery Lost' and 'Low Battery' event.

(8) The entire 'Force Arming when System has Faults' function is removed. If the 'Fault Checklist when Arming' is enabled, when arming via the App and other ways, the user can be prompted for the contents of the Fault and decide whether to continue arming.

(9) 'Fault Prompts On Arming' and 'Fault Prompts On Disarming' under 'Voice Prompt' have been **moved to** the 'Arming Options' page and **renamed '**Fault Voice Prompts on Arming' and 'Fault Voice Prompts on Disarming' Although they are not in the same page, they are also **controlled by Voice Prompt**. This means that 'Fault Voice Prompts on Arming' and 'Fault Voice Prompts on Disarming' are only displayed when **Voice Prompt is turned on.**

(c) The Area interface configuration items are adjusted as follows:

(1) 'Force Arm when System has Faults' enable item added under 'Auto Arm' to configure this subsystem to force automatic arming. 'Forced Auto Arm' is removed from the former System Management page

(2) The' Auto Arming Sound Prompt' global configuration in the Auto Arming and Disarming page has been moved under each area and **renamed '**Count Down Sound Prompt', the global configuration item has been split into a separate configuration item for each area.

18) A new device name column has been added to the list in the System Security -> Module Locking Settings page, and only the device locking information for the access panel is displayed.
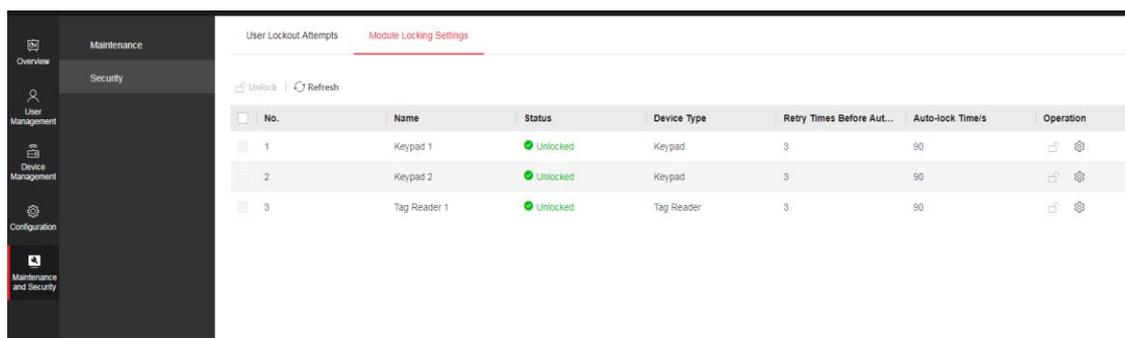
| No.	Name	Status	Device Type	Retry Times Before Aut...	Auto-lock Time/s	Operation
1	Keypad 1	Unlocked	Keypad	3	90	
2	Keypad 2	Unlocked	Keypad	3	90	
3	Tag Reader 1	Unlocked	Tag Reader	3	90	

19) Card management optimization:

(a)   Added cards

After clicking card register on the APP/WEB, you can add your card by swiping it **on any LCD keypad**. Once the card has been added, the default associated user will be the logged in user and the card operation type will be the normal card. After adding a card, you can enter the card management menu in the project interface to change the card name and associated users.

(b)   Deleted cards

The card add configuration is **moved** to the User Management page and the card list in the Device Management page is deleted. When a user is deleted, the cards associated with that user are deleted as well.
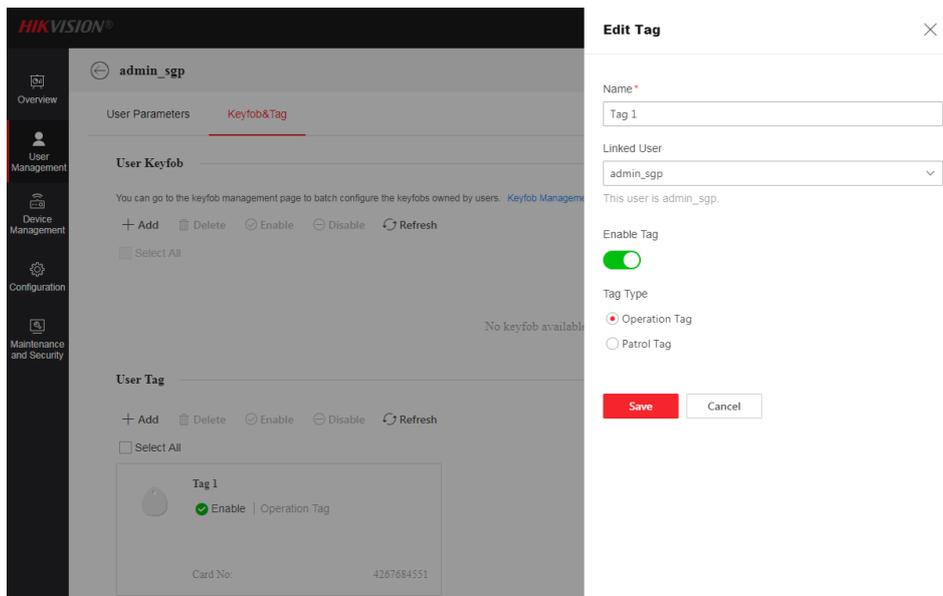

20) Optimization of the content of user permissions

The following user configurable permissions are available

Create/Manage Local Users
Zone Alarm
Peripherals Lid Opened
Panel Lid Opened
Keypad/Keyfob/APP Panic Alarm
Keypad/Keyfob Medical Alarm
Keypad Fire Alarm
Panel Status (Power and Battery)
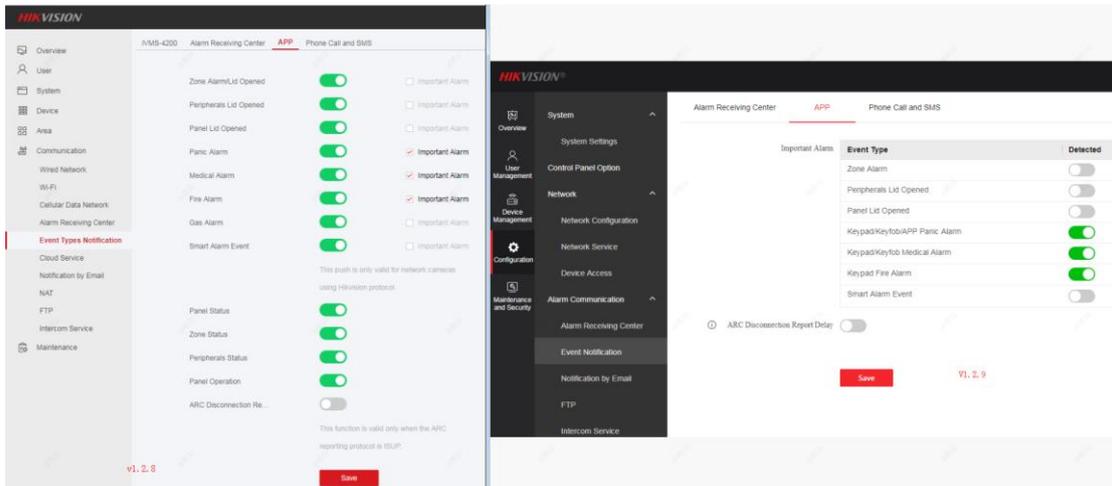**Panel Status (Communications)**
Zone Status

Peripheral Status
Panel Operation
Smart Alarm Event
PIRCAM Gif
Video Clips
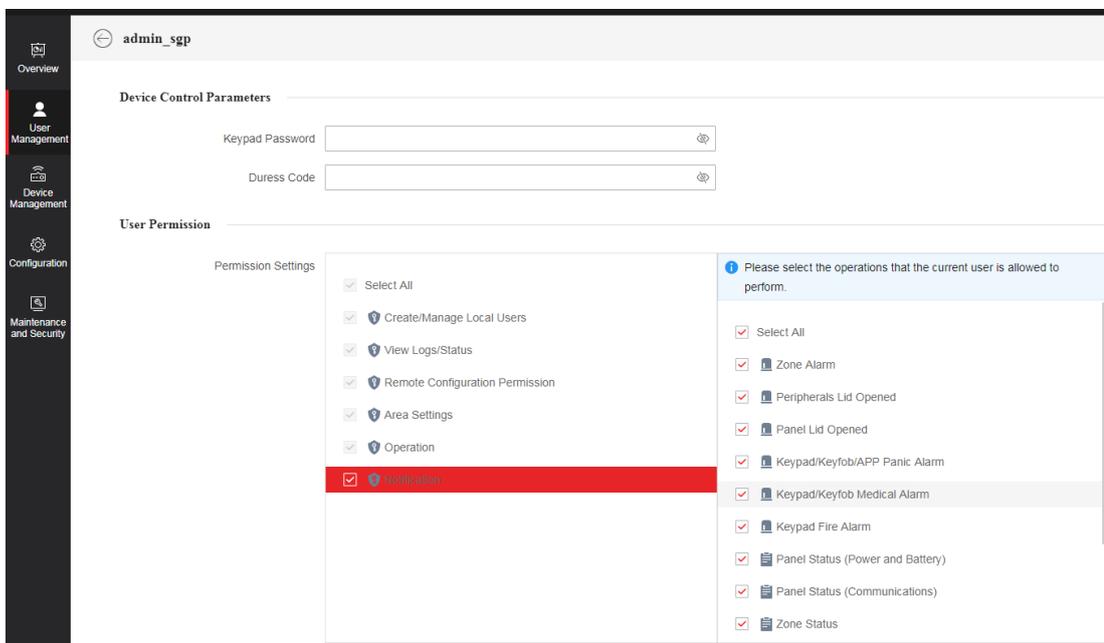
21)APP Push Notification optimization:

Remove the notification configuration from 'Push Notification' under APP and only keep the emergency alarm option. General push notification configuration move to User management page, under every user information page, you can set one by one. The emergency alarm notification types are classified as below types:

Zone Alarm
Peripherals Lid Opened
Panel Lid Opened
Keypad/Keyfob/APP Panic Alarm
Keypad/Keyfob Medical Alarm
Keypad Fire Alarm
Smart Alarm Event

22) ARC notification push optimization:

(a) Interface optimization

(1) Remove the 'Intruder verification as a service' option in ARC page, as picture 22.1.

(2) Reuse the PIRCAM Gif, Video Clips configuration item in ARC message push for the 'Intruder verification as a service'. As picture 22.2

(b) Add PIRCAM Gif and Video Clips configuration items

(1) ARC notification push page, PIRCAM Gif is greyed out when Zone Alarm is not configured.

(2) ARC notification push page, Video Clips is greyed out when neither Zone Alarm nor Smart Alarm Event is configured.

(3) The ARC configuration page selects protocols other than **DC09 and ISUP** and **video Clips is greyed out.**

(4) When the DC09 protocol is selected on the ARC configuration page, video Clips is only configurable when the **French company** is selected, otherwise the Video Clips notification push configuration item is greyed out.

(5) All video Clips can be configured when the **ISUP protocol** is selected on the ARC configuration page.
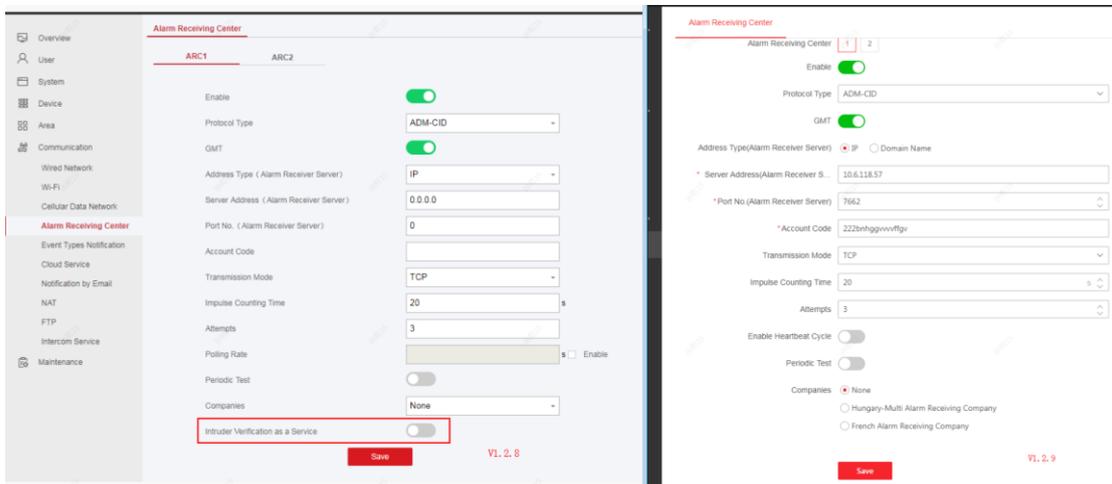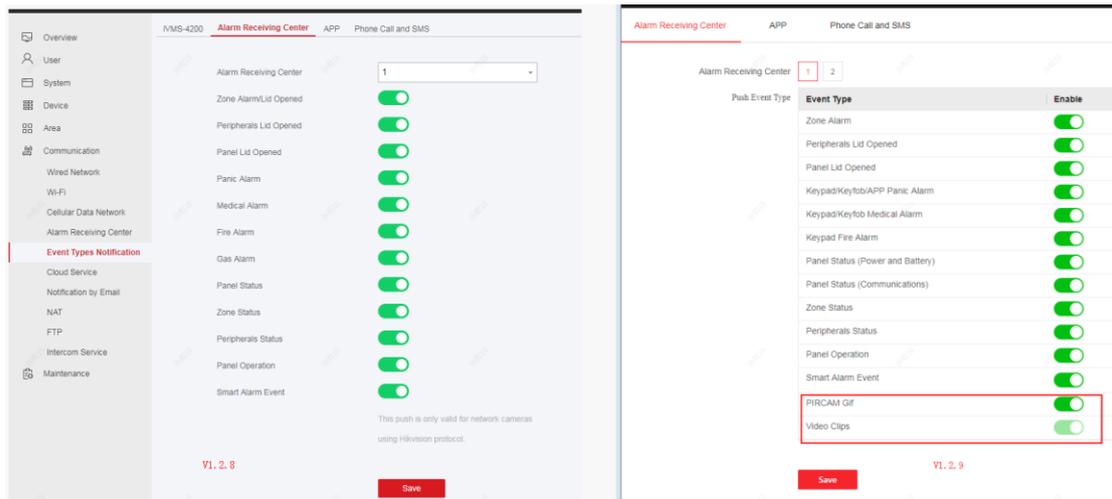

Figure22-1

Figure22-2

23)LED keypad optimization:

(1) LED keypad key logic optimization to **reduce LED keyboard operation latency**

(2) When a area is selected for arming and disarming (operation code + "#"), the numeric keys of the armed area are always turn on (1-9), the numeric keys of the disarmed area are flashing, area 1-9 for the keypad numeric keys 1-9, the keypad doesn't display the arming\disarming status beyond area 9.

Notice: The LED keypad version needs to be V1.7.2 or above.

24) LCD keypad Optimization:

(a) After entering the password on the LCD keypad, use the clear key (←) to always clear from the rightmost measurement..

(b) LCD keypad key logic optimization to reduce LCD keyboard operation latency

Notice: The LCD keypad version needs to be V1.0.6 or above.

25) Repeater function optimization:

(1) The repeater transfer mechanism has been optimised to **improve the success rate of image transfers.**

(2) Optimization of the forwarding mechanism to improve the success rate of forwarding and **reduce the delay time of LED keypad** operations after repeater forwarding

(3) The keyfob forwarding mechanism is optimized to **improve the success rate of keyfob operations** after repeater forwarding.

(4) Improved **forwarding stability, reduced offline rates** and **lower peripheral linking delays** for detectors and peripherals using the **Tri-X** protocol.

Notice: The repeater version needs to be V1.0.5 or above.

26) Optimization of detector peripheral functions

(a) Increased stability of detectors and peripherals using Tri-X protocol forwarded via repeaters. Time synchronization optimization and increased standby time for coin cell products.

(b) Detector optimization using the CAM-X protocol optimizes the processing logic in case of file transfer exceptions, improving the success rate of PIRCAM class detectors in transferring images.

Notice: The version correspondence between the detectors and the peripherals is

shown in article 27

27) Remove the 'Unhandled Alarm' column from the Zone Status page

28) Upgrade function restrictions [attention]

AX PRO V1.2.9 release version can only be upgraded up from V1.2.8 release version, other releases version before V1.2.8 must be upgraded to V1.2.8 at first, then they can be upgraded to V1.2.9, and direct upgrade to V1.2.9 isn't supported.

For example, if my panel is V1.2.7, I will not update to V1.2.9 directly, I need update to V1.2.8, then you will see update reminding again, then update to V1.2.9.

29) Remove local users, the factory no longer comes with local admin and local installer users.

(a) Inherit local admin and local installer users

When a released version of the panel is upgraded to 1.2.9, enabled local administrator and local installer users will be inherited and allowed to continue to use them, disabled local administrator and local installer accounts will be simply deleted after the panel is upgraded to 1.2.9.

(b) Local user deleted.

The local installer account will be deleted after manually disabled the local installer user obtained from a low version inheritance.

Local installer users obtained from low version inheritance are added to Hik-Connect or Hik-Partnerpro to generate cloud-based installer users. Local installer users are not restored after cloud-based installer users are deleted.

30) Event Notification page Optimization

Event notification page deleted IVMS4200 configuration item.
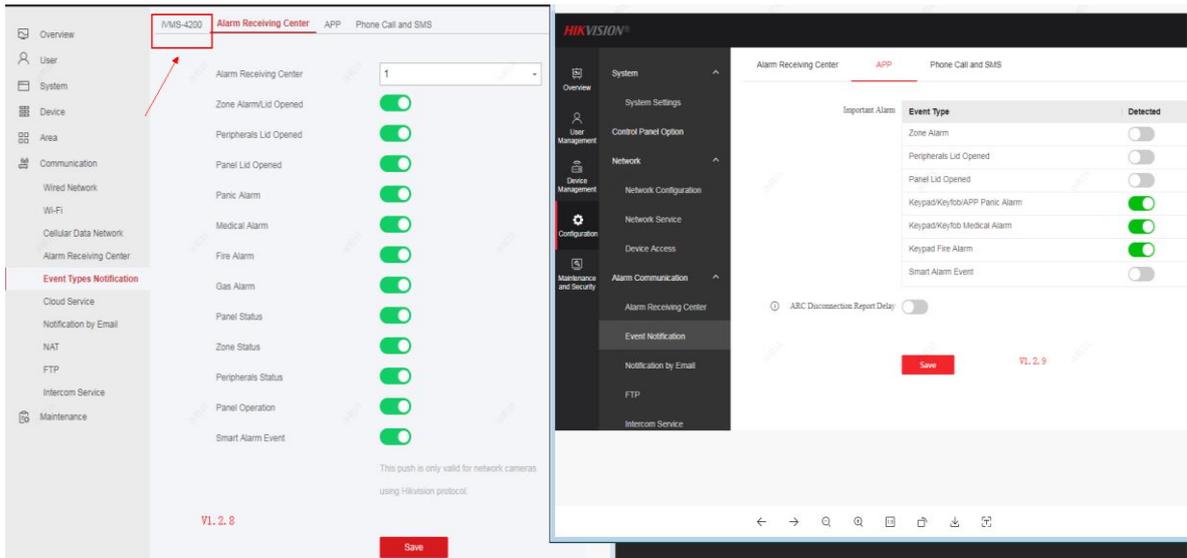
31)Optimize username length, full username display in log query issue.

32)Optimize that users can be added to the cloud when panel in arm state

The latest version of the device

Number	Product Model			Version
1	Wireless Magnetic Contact	Wireless External Magnetic Contact	DS-PDMCX-EG2-WE/WB	V1.4.0
2		Wireless Slim Magnet Detector	DS-PDMCS-EG2-WE/WB	V1.4.0
3		Wireless Magnet Detector	DS-PDMC-EG2-WE/WB	V1.4.0
4		Wireless Magnet Shock Detector	DS-PDMCK-EG2-WE/WB	V1.4.0
5	Wireless Internal PIR Detector	Wireless PIR Ceiling Detector	DS-PDCL12-EG2-WE/WB	V1.4.0
6		Wireless PIR Detector	DS-PDP15P-EG2-WE/WB	V1.4.0
7		Wireless PIR Curtain Detector	DS-PDC15-EG2-WE/WB	V1.4.0
8		Wireless PIR-Glass Break Detector	DS-PDPG12P-EG2-WE/WB	V1.4.0
9		PIRCAM	DS-PDPC12P-EG2-WE(B)/WB(B) DS-PDPC12PF-EG2-WE(B)/WB(B)	V1.0.2

10	Wireless Internal DT Detector	Wireless Dual Technology Detector	DS-PDD12P-EG2-WE/WB	V1.4.0
11	Wired External TT Detector	Wireless Triple Signal Detector	DS-PDTT15AM-LM-WE/WB	V1.4.0
12	Wireless External PIR Detector	Wireless 180° Panoramic Detector	DS-PDQP15AM-LM-WE/WB	V1.0.2
13		Wireless PIR AM Curtain Detector	DS-PDC10AM-EG2-WE/WB	V1.4.0
14		Wireless Dual-Tech AM Curtain Detector	DS-PDC10DM-EG2-WE/WB	V1.4.0
15		Wireless Double PIR Detector	DS-PDP18-HM-WE/WB	V1.2.1
16	Wireless Environment Detector	Wireless Water Leak Detector	DS-PDWL-E-WE/WB	V1.4.0
17		Wireless Temperature Detector	DS-PDTPH-E-WE/WB	V1.4.0
18		Wireless Smoke Detector	DS-PDSMK-E-WE/WB	V1.4.0
19		Wireless CO Detector	DS-PDCO-E-WE/WB	V1.4.0
20		Wireless Heat Detector	DS-PDHT-E-WE/WB	V1.4.0
21	Wireless BG Detector	Wireless Glass Break Detector	DS-PDBG8-EG2-WE/WB	V1.4.0
22	Wireless Keypad /Sounder / Tag Reader	Wireless Keyfob	DS-PKF1-WE	V1.4.0
23		Wireless LED Keypad	DS-PK1-E-WE/WB	V1.7.2
24		Wireless LCD Keypad	DS-PK1-LT-WE/WB	V1.0.6
25		Wireless Tag Reader	DS-PT1-WE/WB	V1.4.0
26		Wireless External Sounder	DS-PS1-E-WE/WB	V1.4.0
27		Wireless Internal Sounder	DS-PS1-I-WE/WB	V1.4.0
28		Wireless Intercom Sounder	DS-PS1-II-WE/WB	V1.0.3
29	Wireless Emergency Button	Wireless Emergency Button	DS-PDEB1-WE/WB DS-PDEB2-WE/WB	V1.4.0
30		Wireless Emergency Button	DS-PDEB1-WE/WB(B) DS-PDEB2-WE/WB(B)	V1.4.0

31		Wireless Portable Emergency Button	DS-PDEBP1-EG2-WE/WB DS-PDEBP2-EG2-WE/WB	V1.4.0
32	**Home Automation Device**	Relay Module	DS-PM1-O1L-WE/WB	V1.4.1
33		Wall Switch	DS-PM1-O1H-WE/WB	V1.4.1
34		Smart Plug	DS-PSP1-WE/WB	V1.4.1
35	**Wireless I&O Expander**	Single Input Transmitter	DS-PM1-I1-WE/WB	V1.0.2
36		Multi IO transmitter	DS-PM1-I16O2-WE/WB	V1.0.3
37	**Wireless Repeater**	Wireless Repeater	DS-PR1-WE/WB	V1.0.6

Remarks:

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● The Hikvision firmware may contain errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request.

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