GX-(MAX) Series

IP VOIP Medical Alarm System

Installation Guide

Sep. 28, 2023

Table of Contents

1. Introduction

1.1. The GX-(MAX) Medical Alarm

This section covers unpacking your GX-(MAX) Medical Alarm System. Refer to later chapters for information on setting up and configuring the system over the Web Page in more details.

The advanced Medical Alarm System delivers comprehensive features, including senior care, voice control, emergency monitoring, home automation, Bluetooth medical device pairing, and visual verification, providing seniors and their loved ones ultimate independence and peace-of-mind.

The GX-(MAX) Medical Alarm covers the following models:

Name	Reporting Path	Built-in Communication Protocol	Protocol Module Options
GX-MAX18-(EX)	IP/LTE Reporting	RF, DECT (activated by inserting module)	ZigBee / Z-Wave / Bluetooth (two of three options)
GX-MAX15-(EX)	IP/LTE Reporting		ZigBee / Z-Wave / Bluetooth (one of three options)
GX-(MAX)8-(EX)	IP/LTE Reporting	RF, DECT	ZigBee / Z-Wave / Bluetooth (two of three options)
GX-(MAX)5-(EX)	IP/LTE Reporting		ZigBee / Z-Wave / Bluetooth (one of three options)
GX-(MAX)3-(EX)	IP/LTE Reporting	RF	ZigBee / Z-Wave / Bluetooth (two of three options)
GX-(MAX)1-(EX)	IP/LTE Reporting		ZigBee / Z-Wave / Bluetooth (one of three options)

***MAX = i.MX CPU**

***EX = with external antenna terminals for LTE**

1.2. What's in the Box

Your GX-(MAX) panel package includes the following items:

- Control Panel
- AC adaptor for the Control Panel
- An Ethernet Cable

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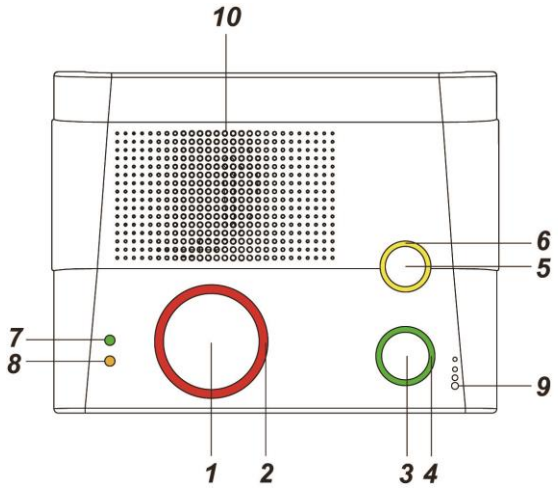
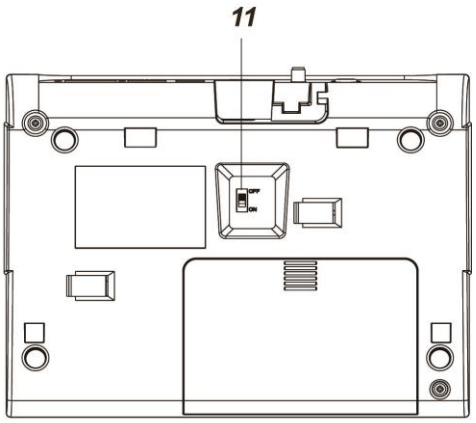
2. System Overview

2.1. Parts Identification

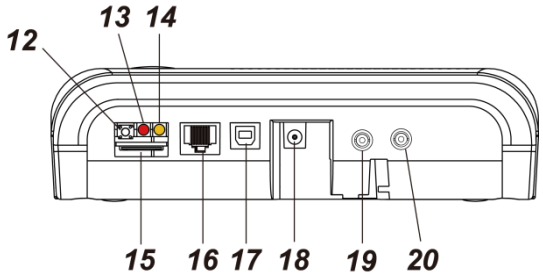
Top View



Back View



Side View



Button/LED/Component	Behavior	Function/Indication
1 Red Help Button	Press in idle mode	To summon emergency help
	Press during incoming call	To answer the call
2 Red Backlight	Off	Idle mode
	Flashes	1. During Guard time 2. During Help Arrived Mode
	On	Alarm reporting
3 Green Reset Button	Press in idle/normal mode	1. To reset the inactivity timer 2. Dials Non-Emergency call
	Press during Guard Time delay	To cancel the alarm reporting
	Press during two-way mode	To terminate the two-way communication
	Press and hold for 3 seconds in idle/normal mode	To play voice prompt “GSM Signal (1-5)” to announce the GSM signal strength for 1 min.
4 Green Backlight	On	1. Status reporting 2. During two-way communication for non-emergency call, incoming call or call back after alarm report.
	Flashes	Panel in Callback mode
	Off	Idle mode

Button/LED/Component	Behavior	Function/Indication
5 Yellow Button	Press and hold for 3 seconds	To enter/exit learning mode
5 Yellow Button When “Inactivity Monitoring” is enabled	Press once	To toggle on/off the inactivity timer
5 Yellow Button When “Bypass Wanderer” is enabled	Press once	To toggle on/off the Bypass Wanderer function
6 Orange Backlight	On	The inactivity timer is on.
	Off	The inactivity timer is off.
	Blinking	The Control Panel is under learning mode.
7 Green LED (Volume Switch)	On	AC power is on.
	Flashes once every 2 seconds	AC power fails.
	Press once	To increase the speaker volume
8 Orange LED (Volume Switch)	Press once	To lower the speaker volume
	Flashes every 3 seconds	The Control Panel is low in battery or is having an overvoltage condition.
	Flashes every 2 seconds	System has fault or jamming has been detected
	Flashes Every second	Telephone line fault
	Off	System normal
9 Microphone		
10 Speaker		
11 Battery Switch		
12 Reset Button	Reserved	
13 GSM/3G/4G Status Indicator (red)	Flashes every second	1. When SIM card is not inserted 2. When SIM card is inserted, but GSM/3G/4G is not registered.
	Flashes every four seconds	GSM/3G/4G registration successful
14 GSM/3G/4G Fault Indicator (orange)	Reserved	
15 SIM Card Base	Insert your SIM card in this slot.	
16 Ethernet Port		
17 USB Port	Reserved for factory use	
18 DC Jack	Connects to a DC 12V 1.5A switching power adapter.	
19 External Antenna Terminal	Receiver (RX) only for LTE, please refer to ***3.1 Hardware Installation & 6.1 GSM*** for installation and configuration method. (for GX-(MAX)-8-EX model only)	
20 Main External Antenna Terminal	Transmitter (TX) and Receiver (RX) for LTE, please refer to ***3.1 Hardware Installation & 6.1 GSM*** for installation and configuration method. (for GX-(MAX)-8-EX model only)	

2.2. Power Supply

- Plug the AC power adapter into the Control Panel's DC jack and connect to the mains power. Make sure that you use an adapter with the appropriate AC voltage rating to prevent component damage. An AC-DC 12V/1.5A switching power adapter is generally used to power the standard version of the Control Panel.

- In addition to the AC power adapter, a rechargeable battery is installed inside the Control Panel to serve as a backup in case of a power failure.

- During normal operation, the AC power adapter is used to supply power to the Control Panel and at the same time recharge the battery. It takes approximately 72 hours to fully charge the battery.

- If the battery switch is set as **OFF**, the battery will not be charged when AC power is connected and nor will it serve as a backup power source when AC power is missing. You need to switch the battery to **ON** for it to be charged when AC power is connected and serve as a backup power source when AC power is missing.

AC Power Check Up

- When AC power fails, Green LED will flash once every 2 seconds, and the panel will play voice prompt "Power failure. Check power cord." (if Voice Prompt is enabled)
- When AC power failure time exceeds the selected AC Fail Report period, GX-(MAX) will send an AC Failure report to the Monitoring Center.
- When AC power resumes, the Green LED will turn steady on again, and the panel will play voice prompt "Power restored." (if Voice Prompt is enabled)

Low Battery

- When the rechargeable battery is below the selected Low Battery detecting threshold, and the low battery condition lasts for 30 minutes, GX-(MAX) will send a Low Battery report to the Monitoring Center.

Battery Disconnection

- GX-(MAX) detects the absence of battery in the following cases:
  Battery switch OFF
  Battery not connected
  Battery failure

- When the battery disconnection lasts for 30 minutes, GX-(MAX) will report to the Monitoring Center.

3. Installation Guide

3.1. DECT Module Installation

For **GX-MAX15** and **GX-MAX18**, DECT is activated by inserting module. Please follow the instructions below to install the DECT Module on your Control Panel.

Package Content

The DECT Module installation package for GX-(MAX) includes:

- DECT Module

Installation Procedure

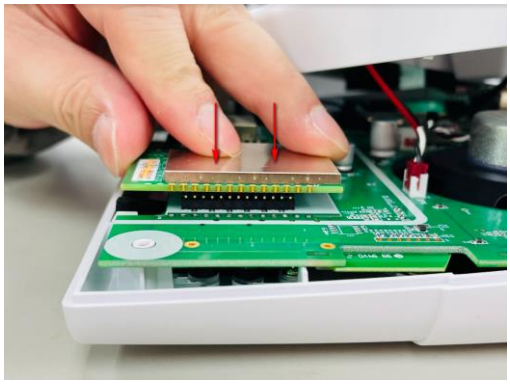
Step 1. Remove the rubber spacer as circled in below picture**.**

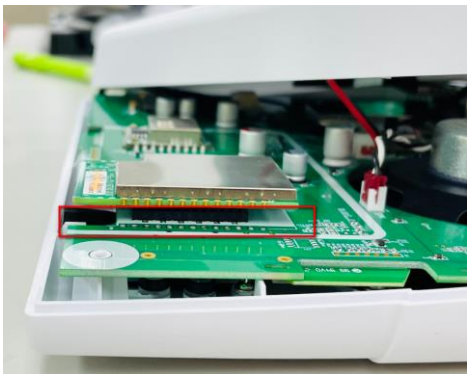
Step 2. Use a Philips screwdriver to unscrew the 4 securing screws.

Step 3. Partially open the back cover. The DECT module slot is in the red square area as in the picture blow.

Step 4. Find the DECT Module provided. Insert the DECT module into the slot as the picture below**.**

Press down the DECT module until the metal pins are invisible.





Step 5. Replace the back cover, making sure the antenna wire stays in an empty space when the cover is closed, so that cable abrasion can be prevented.

If you see wire on the battery switch when the back cover is closed, you will need to re-open the back cover, re-organize the wire to the proper place, and replace the back cover.

Step 6. Tighten the 4 securing screws, and replace the rubber spacer.

3.2. Hardware Installation

Step 1. Choose a suitable location for the Control Panel. The Control Panel requires the mains power and Ethernet connections and should be easily accessible. It should not be placed in a damp location such as a bathroom or close to a heat source like a microwave oven, which could reduce signal strength.

Step 2. Plug an Ethernet cable into the Control Panel's Ethernet port and connect to an Ethernet network.

Step 3. Plug the AC power adaptor into the Control Panel's DC jack and connect to the mains power. The Control Panel will power on and warm up a few seconds. After warm up is complete, the Green LED will turn on to indicate the panel is now under normal operation.

<NOTE>

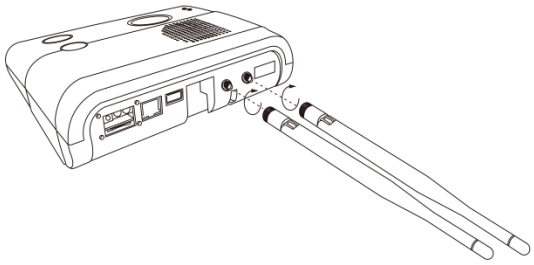
- ☞ Please make sure the GPRS/MMS function of GSM SIM Card is open.
- ☞ If the SIM Card is changed or removed, please power off the panel then power on again.
- ☞ If a GSM fault occurs, please re-insert the SIM card and then reset the GSM in **GSM** setting page.

External Antenna installation

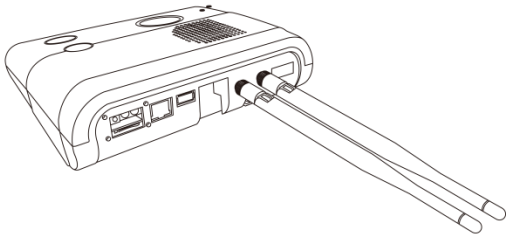
For GX-(MAX)8-EX model, you may choose to install external antenna to improve signal strength.

1) Screw the LTE external antennas onto the antenna terminals of GX-(MAX)8-EX.
2) Point the Tilt-Swivel antennas straight up as below.

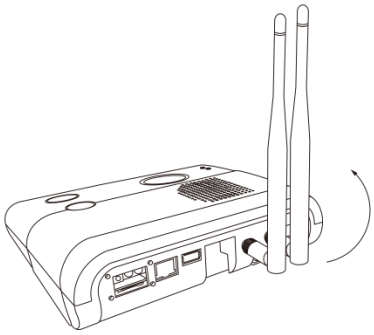
1



2



3



3) On panel webpage, select **Network Setting** - **GSM**, and under **GPRS**, select "external" for Antenna type (*please refer to **6.1 GSM***)

3.3. Software Installation

3.3.1. Installing the Finder Software

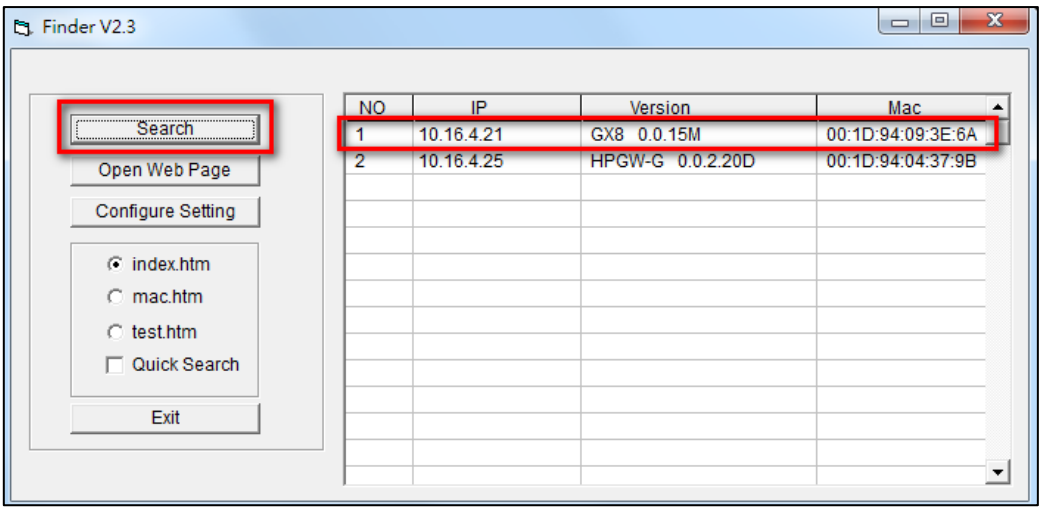
The Control Panel could be accessed via Local Area Network for programming. The “Finder” software is provided for user to locate the panel on the LAN for access.

Before you begin web programming, please make sure that you have plugged an IP cable into the Control Panel’s Ethernet port and connected the cable to an Ethernet network for GX-(MAX) to operate via Ethernet.

Step 1. Download the “Finder” software from Climax website, and execute the file to install Finder software on your computer.

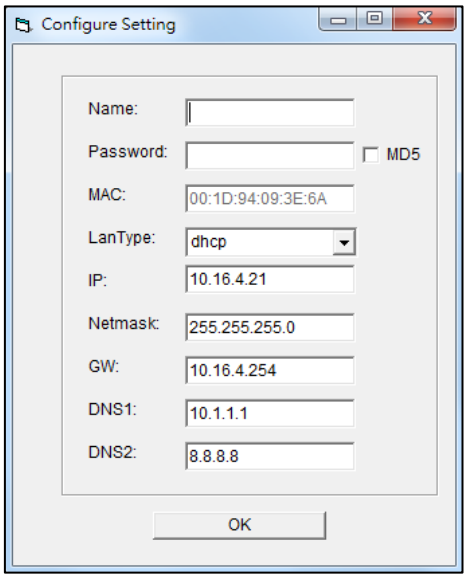
Step 3. A new icon will be displayed on your desktop.

Step 4. Click “Finder.exe” to execute Finder. The Finder software will search for your GX-(MAX) control panel on the LAN and display its information including IP Address, Firmware Version and MAC Address.



Step 5. If the GX-(MAX) Control Panel's information is not displayed, check panel power and Ethernet connection, then click "Search" for the software to update search result

If you need to program the panel's network setting manually, click "**Configure Setting**". Enter your network setting, the GX-(MAX) username (default: **admin**) and password (default: **admin1234**) and click on "OK" to confirm the settings. If the username and password are correct, a pop-up window will display "Status: Configure success!!"

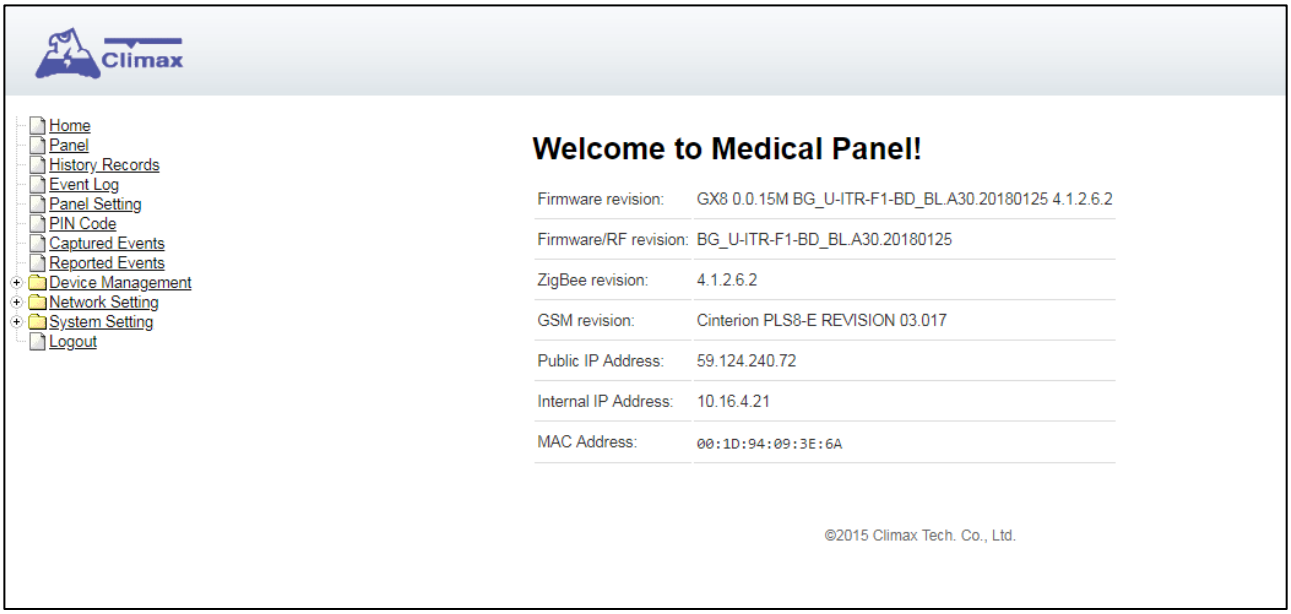


3.3.2. Connecting to Local Programming Webpage

Step 1. Select the Control Panel in the Finder software and click on "Open Webpage" or simply double click on the GX-(MAX) panel to connect to panel webpage.

Alternatively, enter the Control Panel IP address displayed in Finder into your browser's address section and proceed.

Step 2. You will enter panel Welcome page. The Welcome page displays current control panel firmware version information according to different panel model and MAC address.



Step 3. Click on the pages and folders on the left to access the Control Panel's various functions. You will be prompted to enter the User name & Password before you can access the other pages.

Default user name: **admin**

Default password: **admin1234**

4. Device Management

UP to 80 RF devices may be learnt into the Control Panel.

4.1. Devices Learning

The devices may be learnt in locally using panel buttons, or through panel webpage operation.

4.1.1. Local Learning

Step 1. Under idle mode, press and hold the yellow button for 3 seconds. The panel will emit a beep when button is pressed and the 2nd beep at 3 second. Release the button when the 2nd beep is heard. The panel will enter learning mode and the Yellow Button backlight LED will begin to flash.

(Zone 1-80)

Upon entering Learning Mode, if no button is pressed on the Control Panel, all learnt-in devices will be assigned to zone 1-80 sequentially.

Step 3. Press the learn/test button on the device to transmit a learn/test code (please refer to the device manual for more details)..

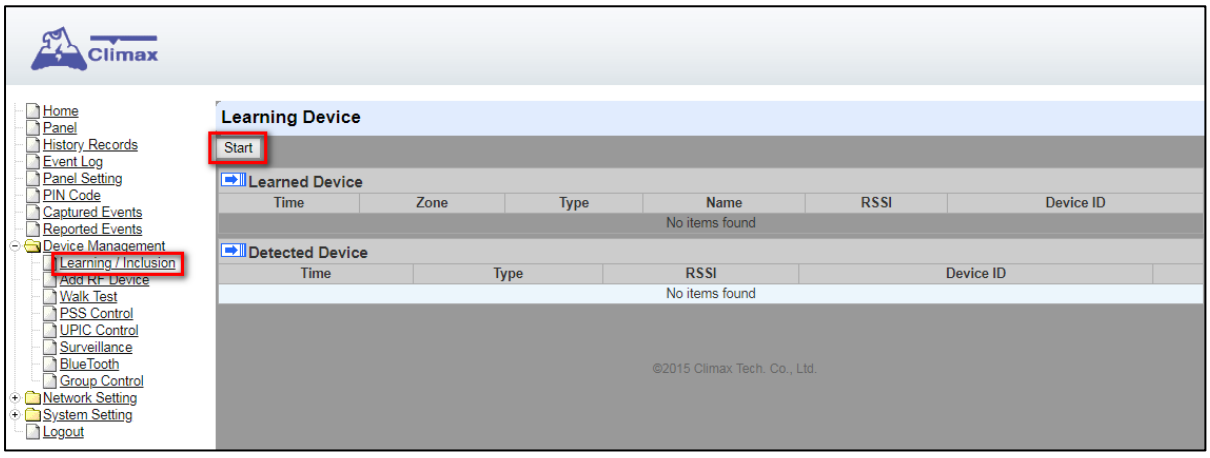
Step 4. If learning is successful, the Control Panel will emit 1 beep to indicate.

Step 5. Press and hold the Yellow Button for 3 seconds again to exit Learning Mode.

Alternatively, the Control Panel will exit learning mode automatically after 5 minutes of inactivity.

4.1.2. Webpage Learning

Select **Device Management** – **Learning/Inclusion** from panel webpage.

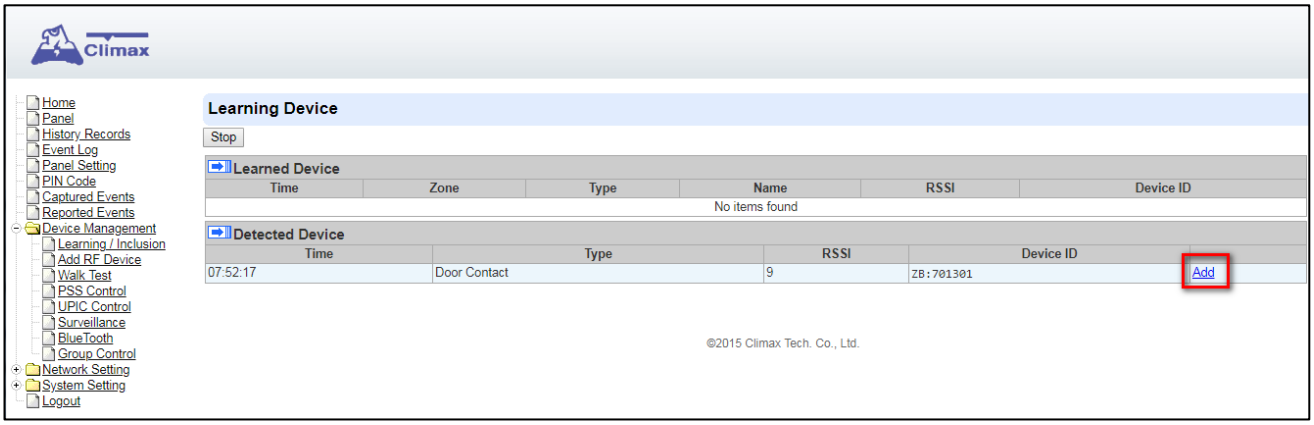


Step 1. Click "**Start**" to enter learning mode.

Step 2. Press the learn button on the each device to transmit learn code.

Step 3. When the system received the signal transmitted from device, if the sensor you wish to learn into already exists in the system, the sensor information will be displayed in the **Learned Device** section. If not, the sensor information will be displayed in the **Detected Device** section. The panel will also emit a beep.

Step 4. Click "**Add**" to include selected device into panel.



4.2 Add RF Devices

RF device may be added into panel without transmitting learn signal by enter the device's RF code via panel webpage.

Select **Device Management** – **Add RF Device** from panel webpage.

Step 1. Enter the device RF code and select a zone number.

Step 2. Enter device name (optional).

Step 3. Click OK to confirm. The device will be added to panel device list.

4.3 Walk Test (Range Test)

After complete learning all accessory devices, use the Walk Test function to test device signal range before installing devices.

4.3.1 Walk Test

Step 1. Under idle mode, press and hold the yellow button for 3 seconds. The panel will emit a beep when button is pressed and the 2nd beep at 3 second. Release the button when the 2nd beep is heard. The panel will enter learning mode and the Yellow Button backlight LED will begin to flash.

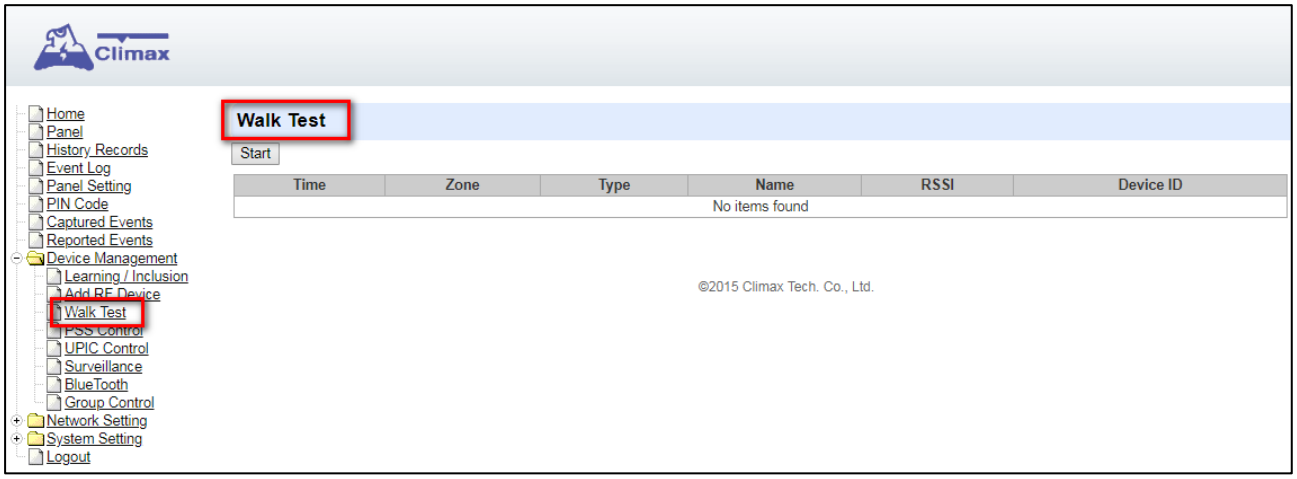
Step 2. Move the device to a desirable location in the house and press the test button to observe the device's operational range.

Step 3. If the Control Panel responds with a beep, it means the device is within the operational range.

Step 4. Press and hold the yellow button for 3 seconds again to exit learning mode. Alternatively, the Control Panel will exit learning mode automatically after 5 minutes of inactivity.

4.3.2 Webpage Walk Test

Select **Device Management** – **Walk Test** from panel webpage.

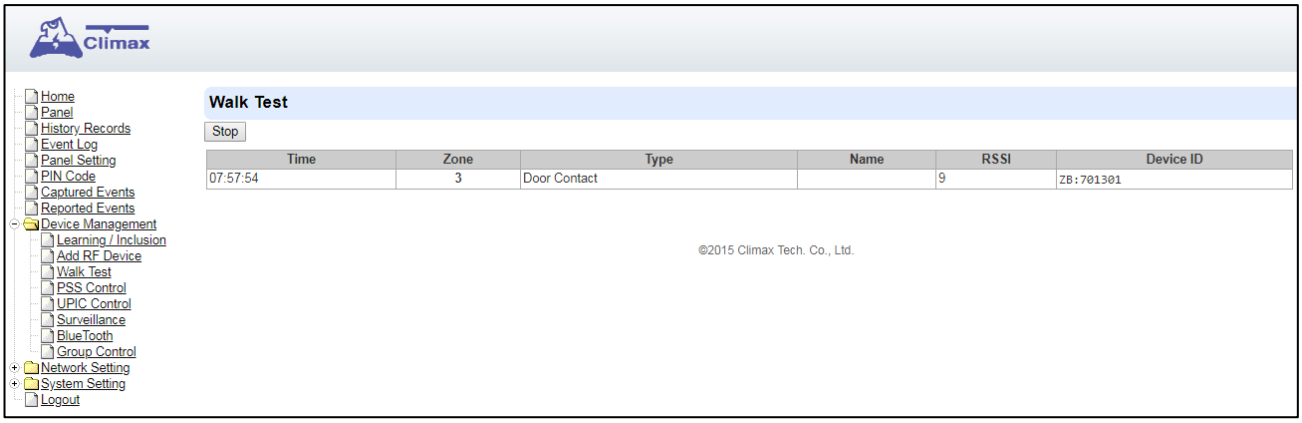


Step 1. Click "**Start**" to begin Walk Test.

Step 2. Press the learn button on a learnt in device to transmit learn/test code.

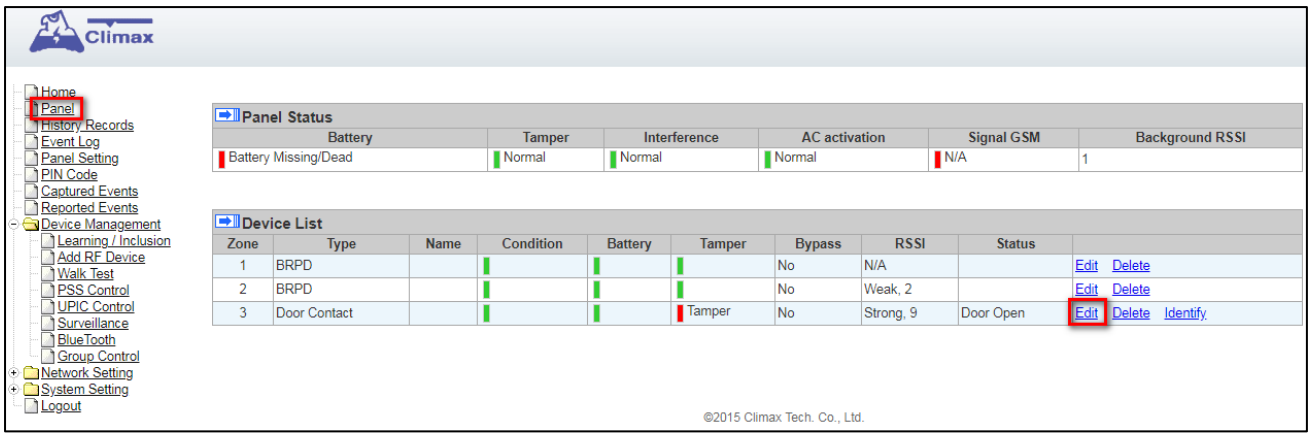
Step 3. When the system received the signal transmitted from device, it will display device info on the webpage. Device that has not been learnt into panel will not be displayed. Check the

RSSI value to determine if the signal strength is satisfactory.



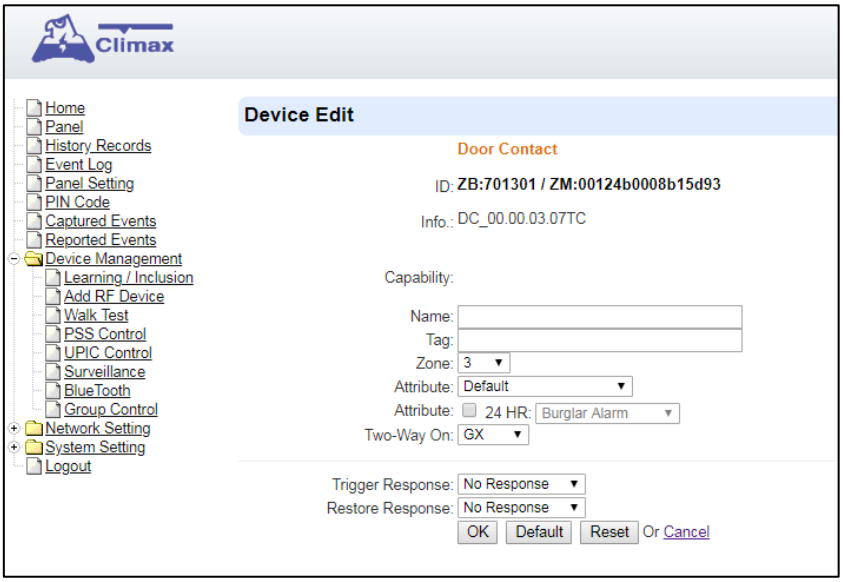
4.4. Edit / Delete /Identify Device

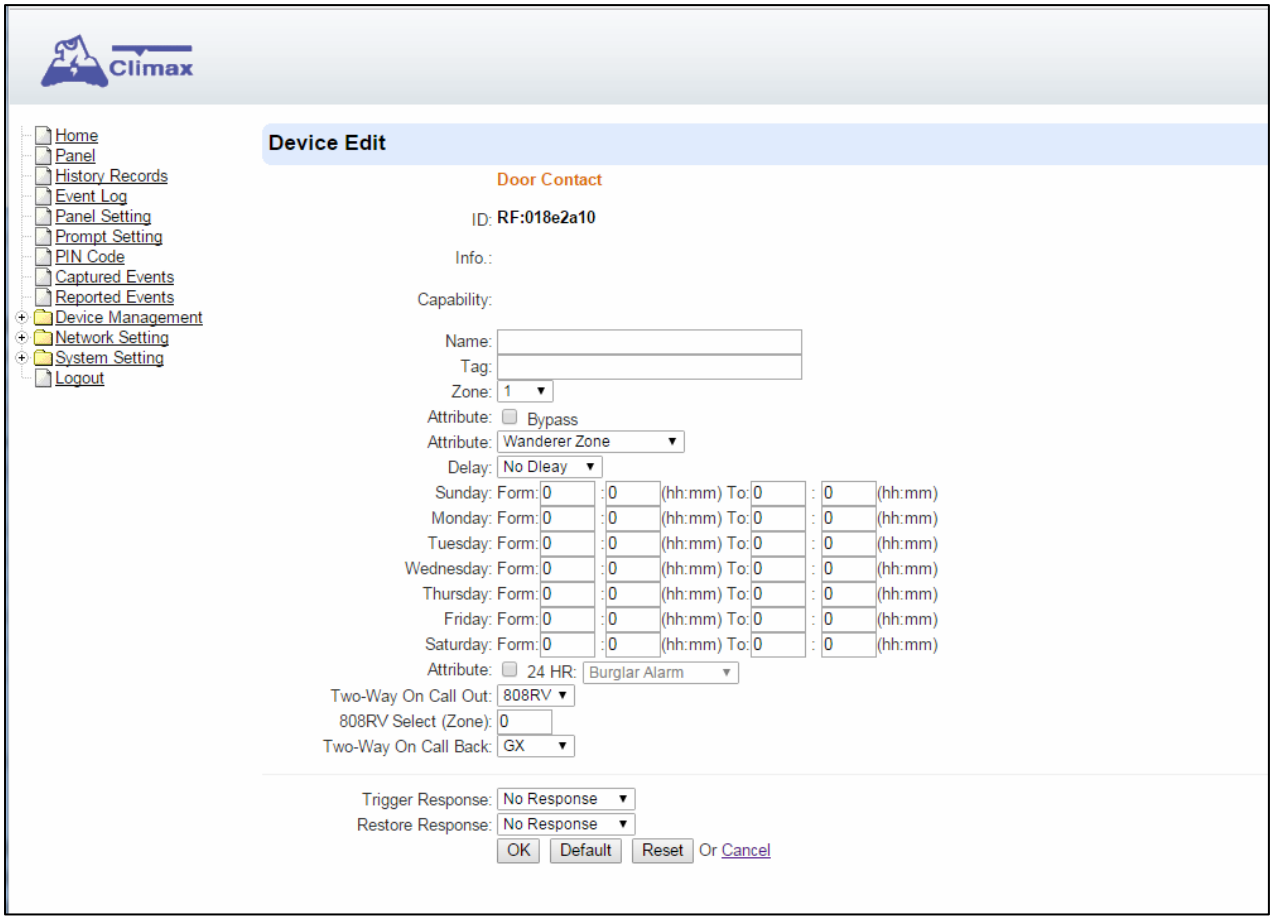
Select **Panel** from panel webpage to access panel device list.



Edit Device

Click “Edit” from the device entry under Device List to edit device info.





Enter or select the device information and click OK to confirm.

- **Name:**
  - Enter the name for the device.
- **Tag:**
  - This is for you to label different types of sensors, such as power switch, power switch meter, and hue. Devices with the same “tag” can be toggled on or off together. This function is available in “Device Tag List” under PSS Control. See **4.5 PSS Control** for details.
- **Zone:**
  - Select the Device zone number.
- **Attribute Bypass:**
  - When selected, the Control Panel will ignore all the signals transmitted from the device.
- **Attribute:**
  - Please refer to **4.4.1 Edit Door Contact Special Attributes**.
- **Delay Timer:**

- Delay timer is set to delay an alarm signal to be transmitted within a period of set time based on the above conditions.

- **24 HR Attribute:**
  - This function enables the device to activate selected alarm event whenever it is triggered.
- **Two-Way On Call Out:**
  - Selec GX-(MAX) or 808RV to call out for two-way communication.
- **808RV Select (Zone):**
  - If 808RV is selected to call out for two-way communication, please choose which 808RV is to be used (identified by Zone Number).
- **Two-Way On Call Out:**
  - Selec GX-(MAX) or 808RV to answer call back for two-way communication.
- **Trigger Response**
  - When the device is triggered, the Control Panel will activate selected Home Automation Scene number. Please refer to **7.3. Scene** webpage for detail.
- **Restore Response**
  - When the device transmits restore signal after trigger, the Control Panel will activate selected Home Automation Scene number.

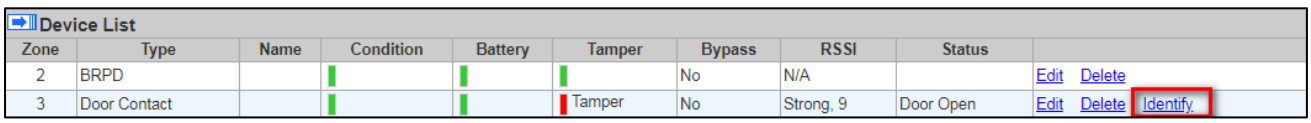
Delete Device

Click “Delete” from the device entry under Device List to remove the device from panel.

Identify Device (For ZigBee device only)

The Identify function is available for ZigBee device only, it can be used to locate ZigBee devices after learning.
For battery powered ZigBee devices, the identify fuction should be used within 1 minute after pressing device button, or 3 minute after learning in the device. Otherwise due to ZigBee network mechanisms, the device may not be able to receive signal successfullly from panel.
AC powered ZigBee devices do not have such limits and you can use Identify function anytime.

Step 1. Click “Identify” under the Device List after the device column entry.

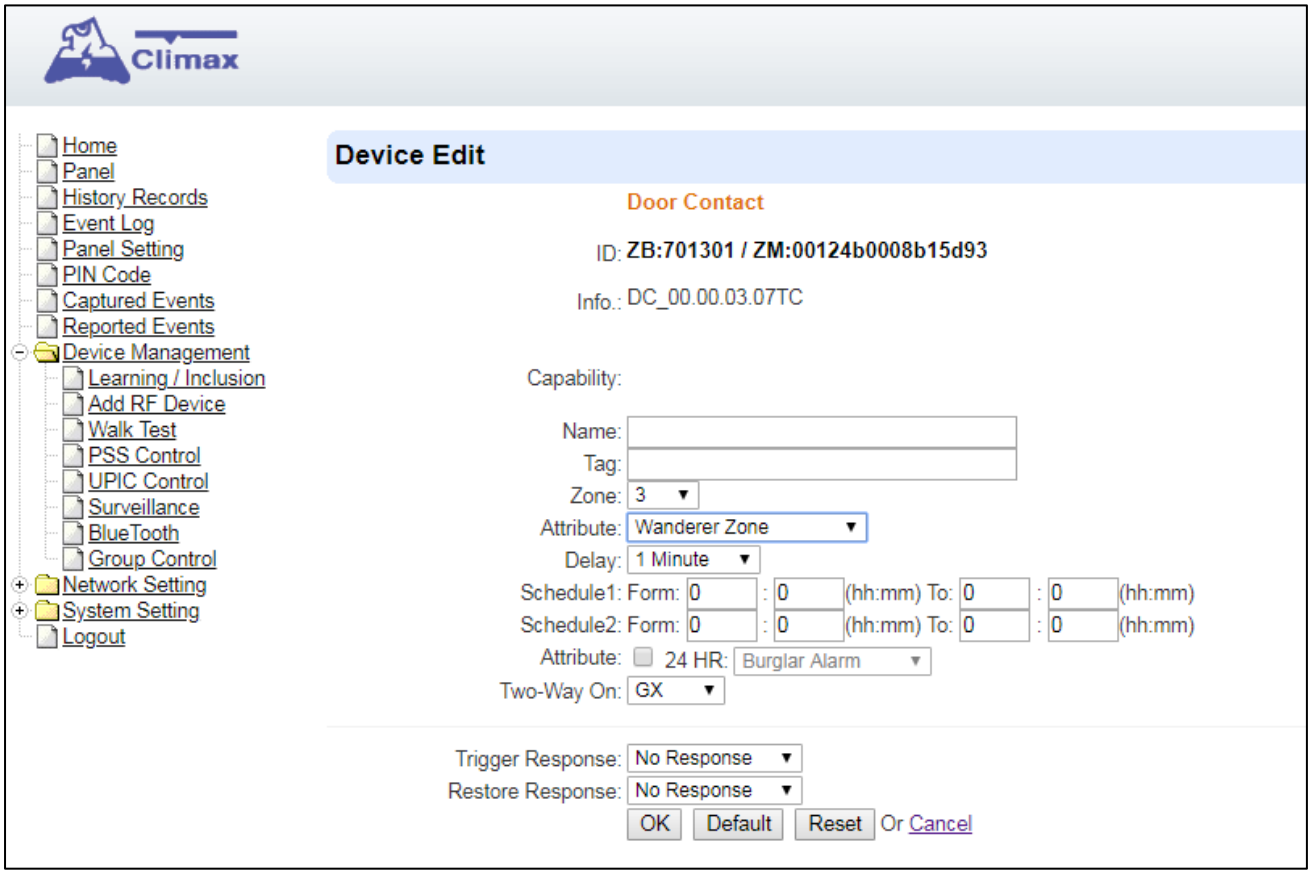


Step 2. If the ZigBee device receives signal successfully, the webpage will display a success message and the ZigBee device LED indicator will flash 10 times to confirm.

<NOTE>

☞ If a timeout message is displayed on webpage, it means the device did not receive signal from Control Panel, please check ZigBee device range from panel and make sure to follow instructions above about Identifying battery powered ZigBee devices.

4.4.1 Edit Door Contact Special Attributes (Only GX-(MAX)8 model)



- **Attributes:**
  - **Default:** The Door Contact is used for Inactivity Monitoring function. Users can set the schedules when the function will be enabled, and also the delay time period for trigger (1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30 hours).
  - **Wanderer Zone:** When the system is armed by the home automation rule of “In Bed Sleeping”, the Wanderer’s Zone type can be enabled for users to wander outdoor shortly or let a pet go in/out of the door without triggering the Door Contact at the main entrance door. The delay timer needs to be set (1-2-3-4-5-6-7-8-9-10-15-20-25-30 minutes), and users are required to re-set/stop the entry timer and trigger one PIR detector when they return back to the house/close the door. If users leave the house, and a PIR inside is not triggered before the delay timer expires, a silent alarm will be triggered.

- **Not Back in Bed Zone:** When the user shall be in bed sleeping, the Door Contact (wired input) is connected to a bed detector (pressure detector) to monitor if the user stays in bed. If the user needs to leave the bed shortly, e.g. for a WC visit, a delay parameter needs to be set (1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28

  -29-30 minutes). The user must return to bed within the delay time period, or a silent alarm will be triggered.

- **Not Up From Bed Zone:** The Door Contact (wired input) is connected to a bed detector (pressure detector) to detect if the user doesn't go up from bed at the scheduled time period (e.g. Mon-Sun 08:00-10:00). The Door Contact will be triggered and send a silent alarm if the Pressure Detector is not triggered within the scheduled time period.

- **Refrigerator Zone:** The Door Contact is installed on the refrigerator to monitor that the door is not kept open for too long or forgotten to be closed by the user. The delay timer needs to be set (1-2-3-4-5-6-7-8-9-10-15-20-25-30 minutes). If the user leaves the refrigerator door open for too long or forgets to close the door, a silent alarm will be triggered when the delay timer expires.

- **Epilepsy Zone:** The door contact (wired input) is connected to a special epilepsy detector to detect an epilepsy event. The Door Contact will be triggered and send a silent alarm when an epilepsy event is detected.

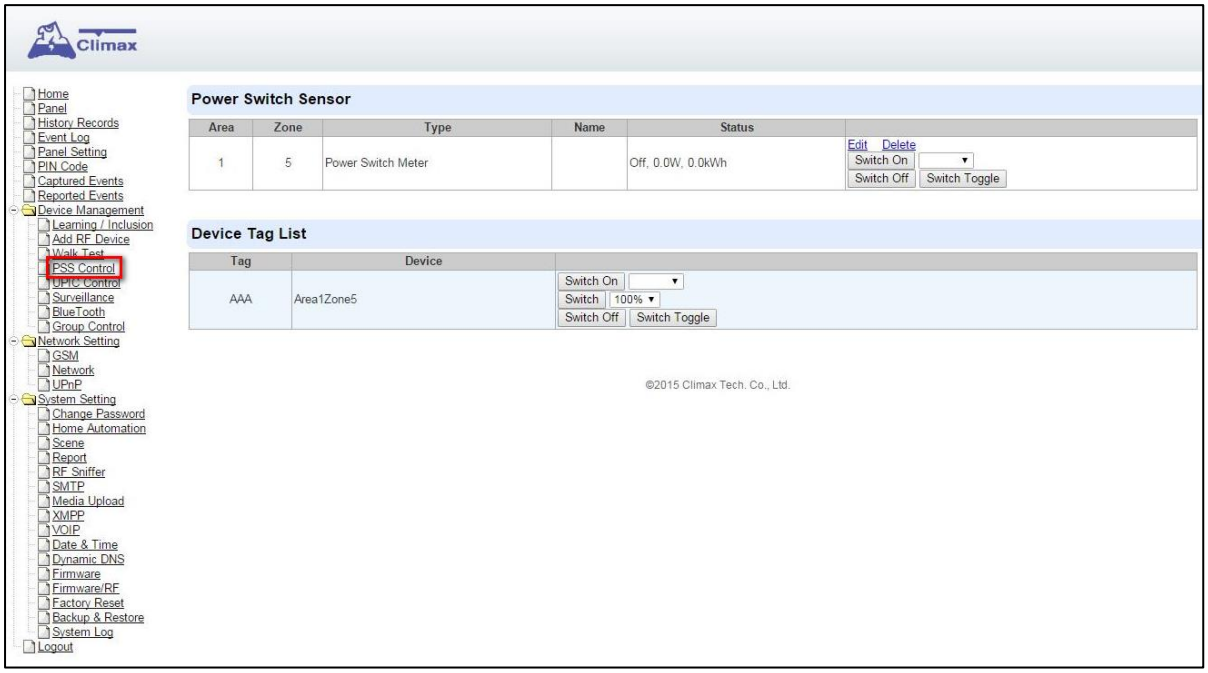
- **Delay Timer:** Delay timer is set to delay an alarm signal to be transmitted within a period of set time based on the above conditions.

<NOTE>

☞ Special attributes of Door Contact will be disabled if 24HR attribute is enabled.

4.5. PSS Control

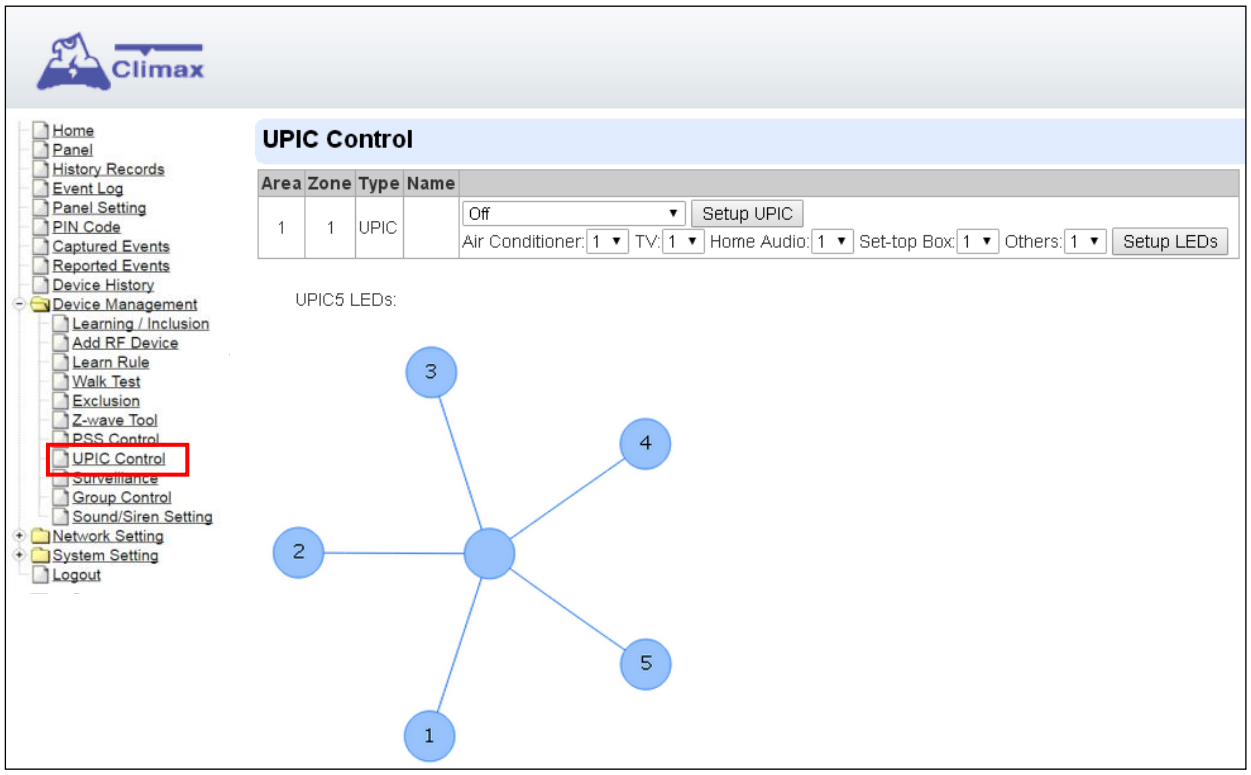
This feature is designed to control/edit/delete Power Switches included in the panel.



- Click **Edit** to edit attributes of power switches.
- Click **Delete** to remove power switch from panel.
- Click **Switch On/Switch Off** to turn on/off power switches. Or click **Switch Toggle** to toggle between on/off status. For Power Switch Dimmer, you can also set its power output level with the slide down menu.
- Labeled devices will be displayed under Device Tag List. This function is for you to open, close, or stop your group of devices to a desired level.

4.6. UPIC Control

UPIC Control webpage allows you to control UPIC IR Transmitter included in Control Panel



- **Transmit IR Signal**

Depending on the UPIC model number, select the function to be performed in the drop down menu, then click “Setup UPIC” for the UPIC to transmit IR Signal.

- **UPIC5 LED Setup (UPIC5 only)**

UPIC5 has 6 IR LEDs, a central one and 5 surrounding ones. The central LED will always transmit IR signal when activated; besides the central LED, one of the 5 surrounding LEDs can be selected to activate upon IR signal transmission to increase the IR signal coverage.

Step 1: Refer to the diagram on the webpage and UPIC5 manual to determine which LED should be used for signal transmission to each particular home appliance.

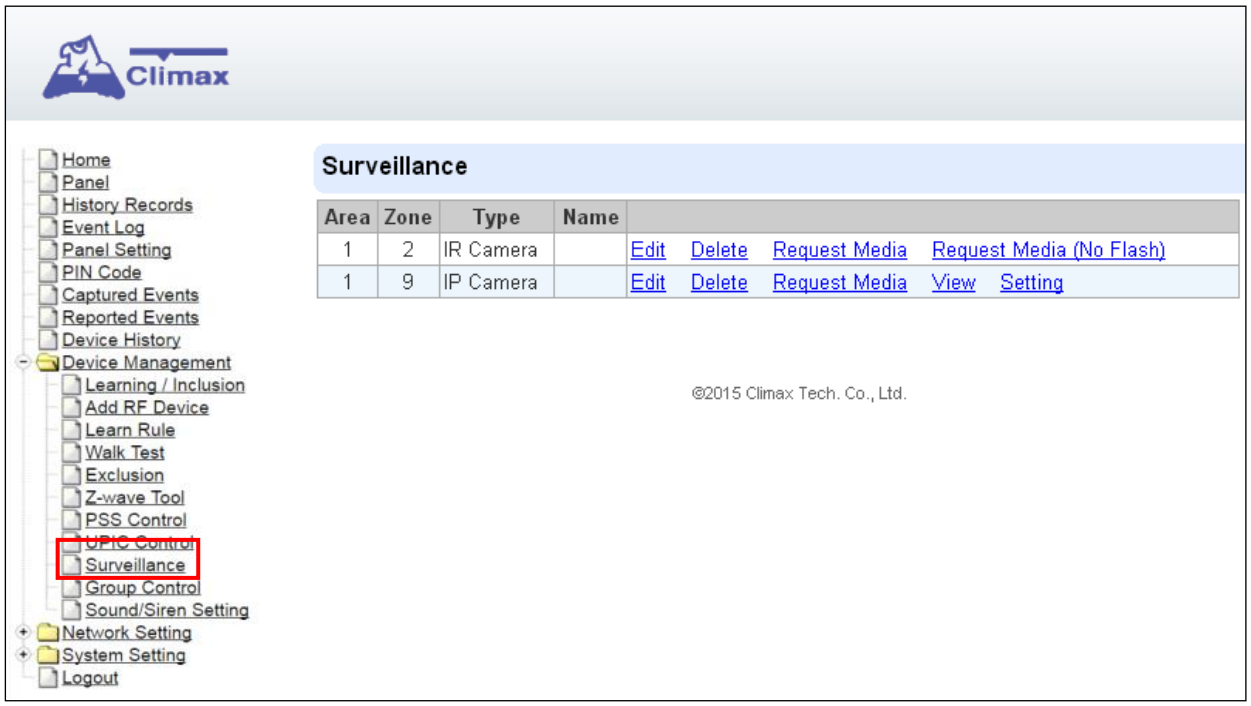
Step 2: Select the LED number from the drop down menu for each appliance type, then click “Setup LED” to confirm. Please refer to UPIC5 manual for more information.

<EXAMPLE>

- ☞ If “Air Conditioner” is set to LED 1, UPIC5 will transmit all Air Condition functions with both Central LED and LED1.
- ☞ If “TV” is set to LED 5, UPIC5 will transmit all Air Condition functions with both Central LED and LED5.

4.7. Surveillance

The PIR Camera/Video Cameras and IP Cameras are listed under **Surveillance** for separate control.



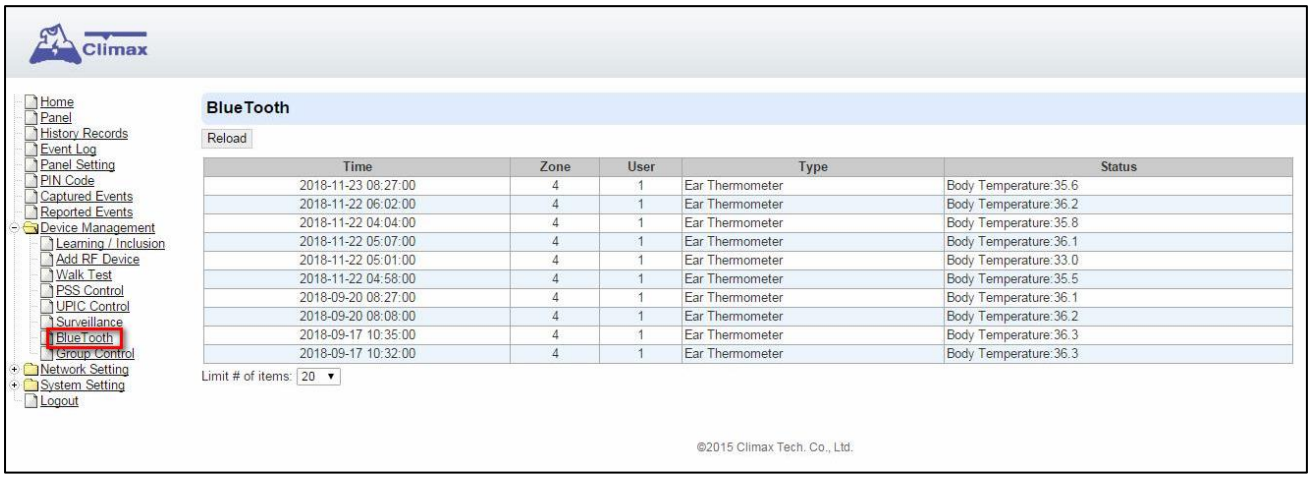
- Click **Edit** to edit camera attributes.
- Click **Delete** to remove device from panel.
- Click **Request Media** to capture a picture or vide
  - PIR camera: A picture will be captured upon request
  - PIR Video Camera: A 10-second video will be recorded upon request
  - IP Camera: The IP Camera will record a video according to its video length setting (Please refer to IP Camera manual for detail.)
  - For PIR Camera/Video Camera, you can choose to take the picture/video without activating the camera's flash.

  Picture and video captured by PIR Camera and PIR Video Camera will be stored under the **Captured Event** webpage. Video Recorded by IP Camera will be stored in the IP Camera, please refer to IP Camera manual to view the video

For IP Camera, click "View" or "Setting" to access IP Camera webpage for video streaming or setting configuration. A new webpage will open and you will be required to enter the username and password for the IP Camera to access streaming or setting.

4.8. BLUETOOTH

Once a BLUETOOTH device is learned into GX-(MAX), the Control Panel can receive the device data via BLUETOOTH transmissions.



Learning BLUETOOTH Device：

Step 1. Take a measurement with the BLUETOOTH device. The BLUETOOTH Indicator will flash fast, indicating that the device is searching for BLUETOOTH signal.

Step 2. Put GX-(MAX) into learning mode by selecting Device Management – Learning/Inclusion from panel webpage and click Start.

Step 3. The BLUETOOTH device information will be displayed in the Detected Device section. If no device information is displayed, please leave learning mode, and then re-enter learning mode.

Step 4. Click “Add” to include the BLUETOOTH device into the Control Panel.

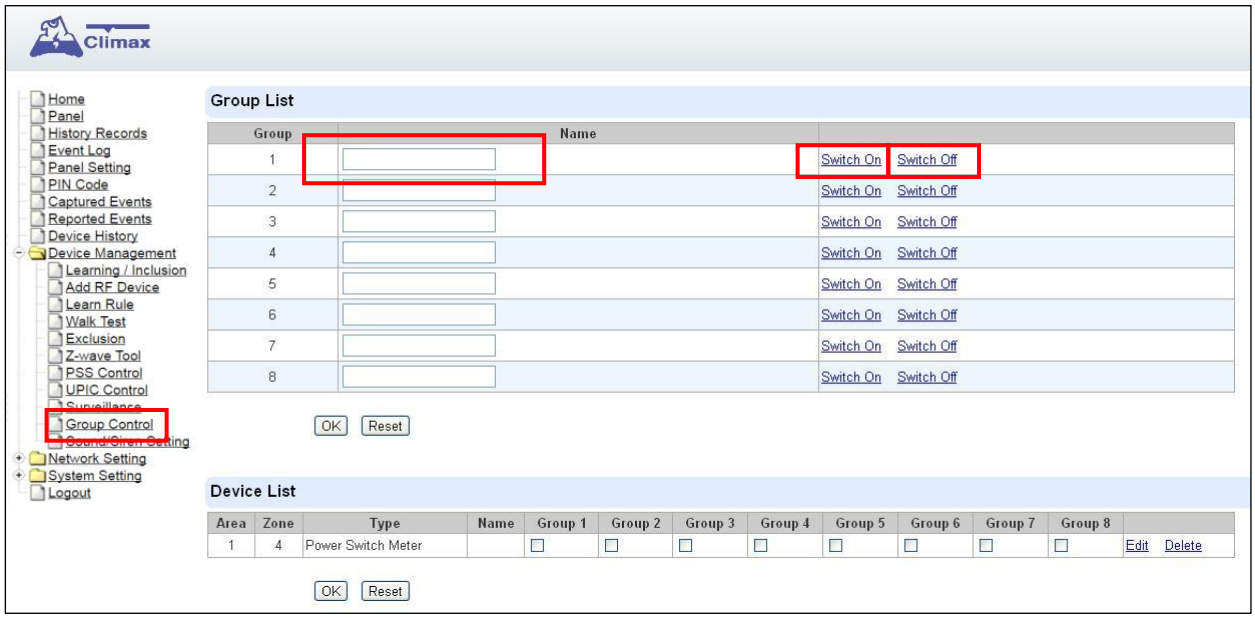
Step 5. Once BLUETOOTH device is learned into GX-(MAX), the Panel will automatically check the device data every 5 seconds. If there is any update, data transmission will start, and the BLUETOOTH device will automatically turn off when data transmission is completed.

4.9 Group Control

This feature is designed for you to edit a name of group, switch on or off a group of Power Switches. You can also assign Power Switches to groups you desire.

4.9.1 Group Control/Edit

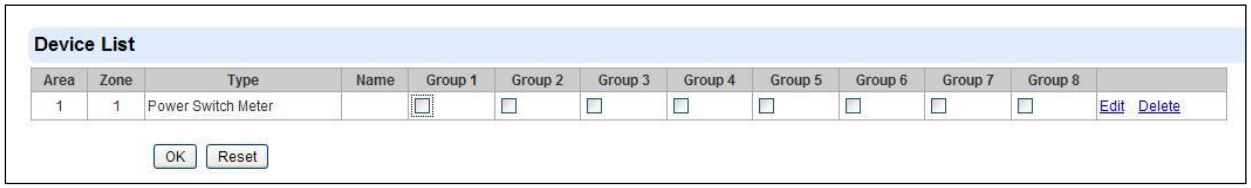
Step 1. Specify a new name for a group.



Step 2. Click Switch On or Switch Off to turn on or off one group of power switches.

4.9.2 Device Edit/Delete

Step 1. Check on the groups you wish to assign the Power Switch. This is a multiple-choice field and you can assign one Power Switch to multiple groups. Whenever one of the assigned groups receives request to turn on/off, all Power Switches belonging to the group will be activated accordingly.

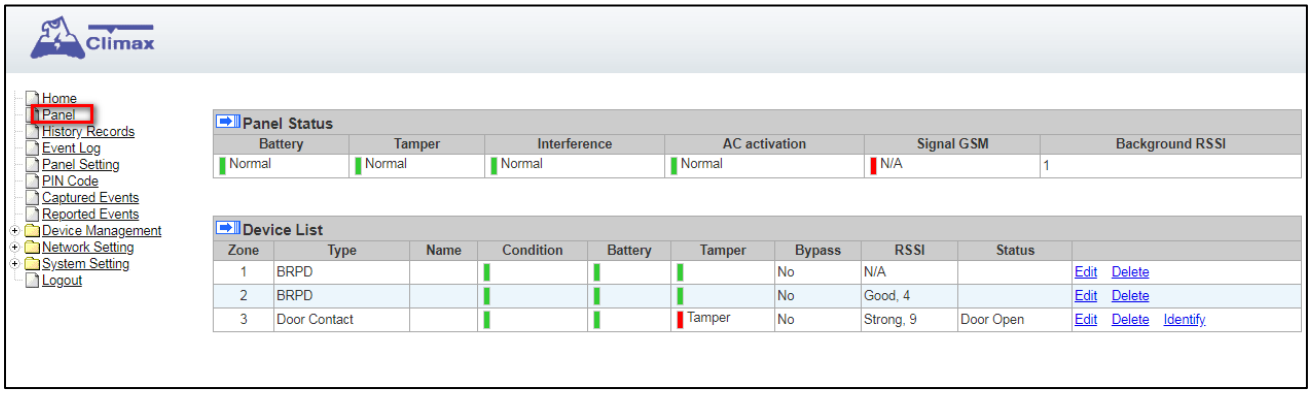


Step 2. Click **Edit** to edit attributes of an added power switch or power switch meter or **Delete** to delete this device.

5 Panel Status / Setting

5.1 Panel Status

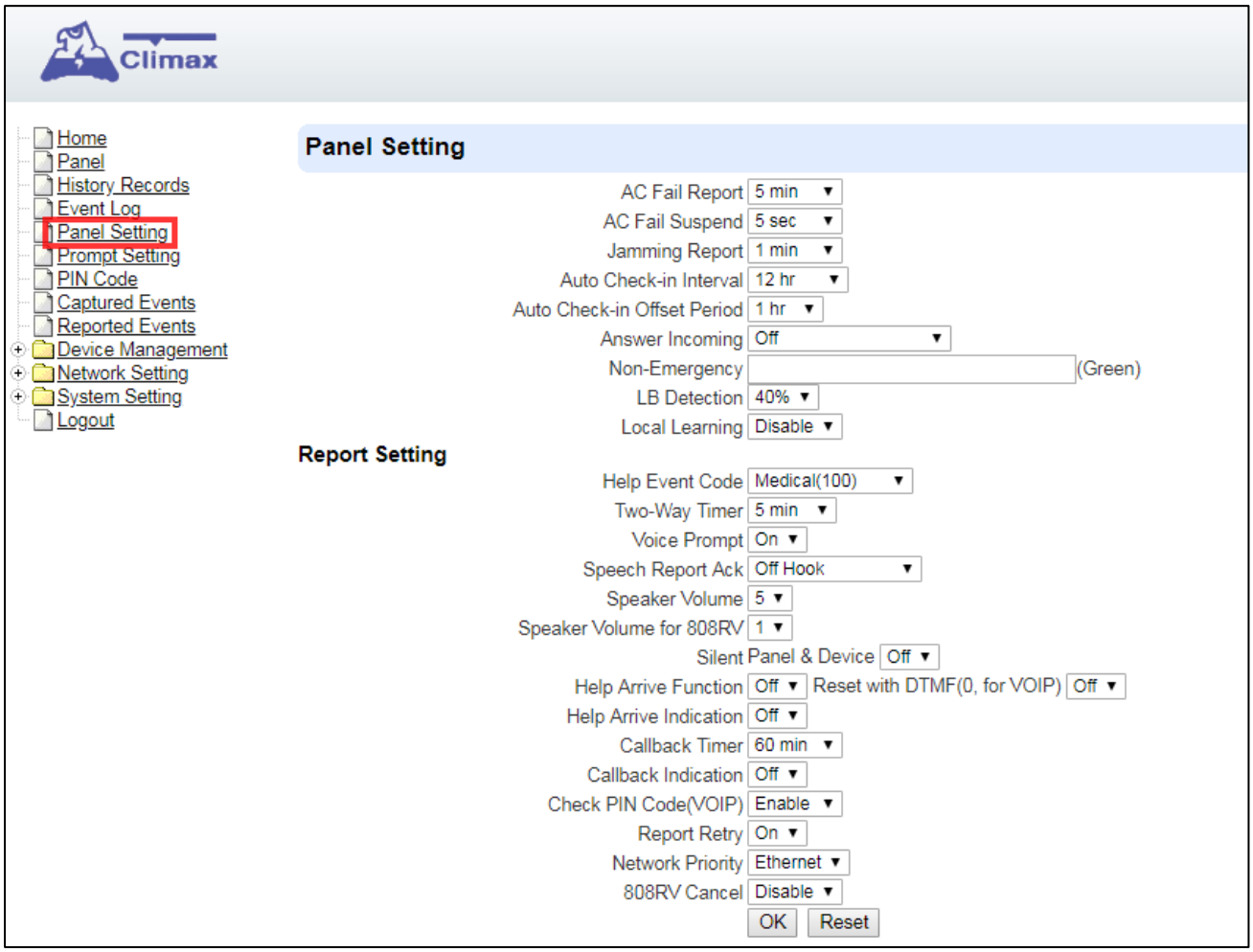
Click “**Panel**” to enter panel status page.



- **Panel Status:**
  - The panel operation status is displayed. If any faulty condition is detected, the corresponding status will turn red to indicate an error.
- **Device List:**
  - The Device List display all learnt in devices for management. The device status are also monitored and any faulty condition will be indicated.

5.2 Panel Setting

Click “**Panel Setting**” to enter setting page.



- **AC Fail Report:**

  When an AC power failure is detected, your Control Panel will report to the Central Monitoring Station according to the duration set under AC Fail Report. If 5 minutes is set, the event will be automatically reported to the CMS after 5 minutes. Your Control Panel will use backup battery power until the AC fault event is cleared.

- **AC Fail Suspend:**

  After an AC power failure event is reported, the Control Panel will enter sleep mode to conserve battery power. During sleep mode, GSM, Ethernet, and ZigBee modules will be powered off, while RF will keep working. If 5 seconds is set for AC Fail Suspend, both GSM and Ethernet port will be powered off 5 seconds after the AC Fail Report. In order to send messages to the CMS, the Control Panel will power on its GSM and Ethernet temporarily.

- **Jamming Report**

  - You can select to enable or disable jamming reports.

- **Auto Check-in Interval:**
  - This is to select whether the Control Panel needs to send check-in reporting to the Central Station automatically and to select the period of time between check-in reports.
- **Auto Check-in Offest Period**
  - This is to set the time delay before the first **Auto Check-In** report is made. After power is supplied or re-supplied to the Control Panel, the first auto check-in report will be made according to Offset Period setting. This is used to test whether the CMS is able to receive the report from the Panel accurately.
  - After this test report is sent, the Control Panel will then send reports at regular interval based on the setting of the Auto Check-in Report.
  - For example, if **Offset Period** is set to 2 Hours, and **Auto Check-in Report** is set to 12 hours, the Control Panel will make the first auto check-in report to the CMS after 2 hours, and then make future auto check-in at a regular intervals of 12 hours.
- **Answering Incoming Calls:**
  - When set as “Enable (Ring)”, the Control Panel rings for incoming calls. You can answer an incoming call by pressing the Red help button on the Control Panel.
  - When this function is set as “Enable (Auto-Answer)”, the Control Panel will automatically answer the call after the first ring and wait for the entry of the proper PIN code (default = 1234, for VOIP, GSM do not support DTMF) followed by the (#) key in 15 seconds. The system will open full-duplex communication when receiving the correct PIN Code.
  - When this function is set as “Off,” the Control Panel does not answer incoming call at all.
- **Non-Emergency (Green):**
  - Besides alarm reporting, the panel can be opened to make call via VOIP without activating an alarm.

    Format: via sip server: **sip:username** or **sip:username@server** (Reserved for MAX model)

    via VOIP: **sip:ip address** (Reserved for MAX model)
    via GSM: **voice://TelephonenNmber**
  - Program the call recipient in this field. Press the Green Reset button when panel is idle to make the Non-Emergency call.
- **LB detect:**
  - Select the low battery detecting threshold.

Report Setting

- **Help Event Code:**
  - You can select the event code to be sent to the CMS when the red button of the Control Panel is pressed.
  - There are three options for the event code:
    - Medical (100)
    - Emergency (101)
    - Panic (120)
- **2 Way Timer:**
  - To set the Two-way communication time duration.
- **Voice Prompt**
  - On: The Control Panel will play voice prompts accordingly.
  - Off: The Control Panel will not play voice prompts.
- **Speech Report ACK:**
  - Off-Hook: Speech report can be regarded as a successful report if the call recipient picks up the phone.
  - Any DTMF: Speech report can only be regarded as a successful report if the call recipient presses a DTMF button during the speech report (For VOIP).
- **Speaker Volume:**
  - Select a preferred speaker volume level for the Control Panel.
  - Six levels are available for selection. 1 represents the lowest volume level, while 6 represents the highest volume level.
- **Speaker Volume for 808RV:**
  - Select a preferred speaker volume level for the 808RV. 1 represents the lowest volume level, while 3 represents the highest volume level
- **Silent Panel & Device**
  - Off: The Control Panel will sound beep and flash LED normally when it is activated by button press or accessory devices. Two-way voice mode will be opened by default for communication.
  - On: The Control Panel will NOT sound any beep or flash LED when it is activated by

button press or accessory devices. One way listen-in voice mode will be opened by default for communication.

- **Help Arrive Function:**
  - Turn “On” to enable Help Arrived Mode.
  - Turn “Off” to disable Help Arrived Mode (System Default).
  - **Reset with DTMF (0): (for VOIP, GSM do not support DTMF)**
    - When enabled, Help Arrived Mode can be terminated by pressing the DTMF 0 key (on the report recipient handset).
    - When disabled, pressing the DTMF 0 key is unable to terminate Help Arrived Mode (System Default).
- **Help Arrive Indication:**
  - Turn “On” to enable Help Arrived Indication. The Red Backlight will turn steady on during Help Arrive Mode.
  - Turn “Off” to disable Help Arrived Indication. The Red Backlight will **NOT** turn on during Help Arrive Mode.
- **Callback Timer:**
  - After an alarm is successfully reported to the CMS, the Control Panel will start a waiting period (=callback time) to auto answer any incoming calls from the CMS. The Green Backlight will start to flash if Callback Indication is enabled and a voice prompt “Please wait for the call back” will be played to indicate it is in Callback Mode.
  - Available options include: Disable, 3 minutes, 5 minutes, 10 minutes, 15 minutes, 20 minutes, 30 minutes, 40 minutes, 50 minutes, and 60 minutes.
- **Callback Indication:**
  - Turn “On” to enable Callback Indication. The Green Backlight will flash during Callback Mode.
  - Turn “Off” to disable Callback Indication. The Green Backlight will **NOT** flash during Callback Mode.
- **Check PIN Code (VOIP):**
  - When Callback option is enabled, the CMS can call back during the call back timer to communicate with the user(s). When CMS calls back to the panel, the panel will check for CMS’s Access Code and # key entry.

- When enabled, the panel will check Access Code.
- When disabled, the panel will not check Access Code and will enter two-way communication straight away.

- **Report Retrial:**
  - Always: When selected, the Control Panel will continue retry reporting until successful.
  - Abandon: When selected, the Control Panel will only retry reporting for up to three times. If reporting still fails after retrying for three times, the Panel will give up.
- **Network Priority:**
  - Set the primary connection method to be used when Ethernet and GPRS coexist.
- **808RV Cancel:**
  - When enabled, pressing the button on 808RV will end 2-way communication.
  - When disabled, pressing the button on 808RV will not end 2-way communication.

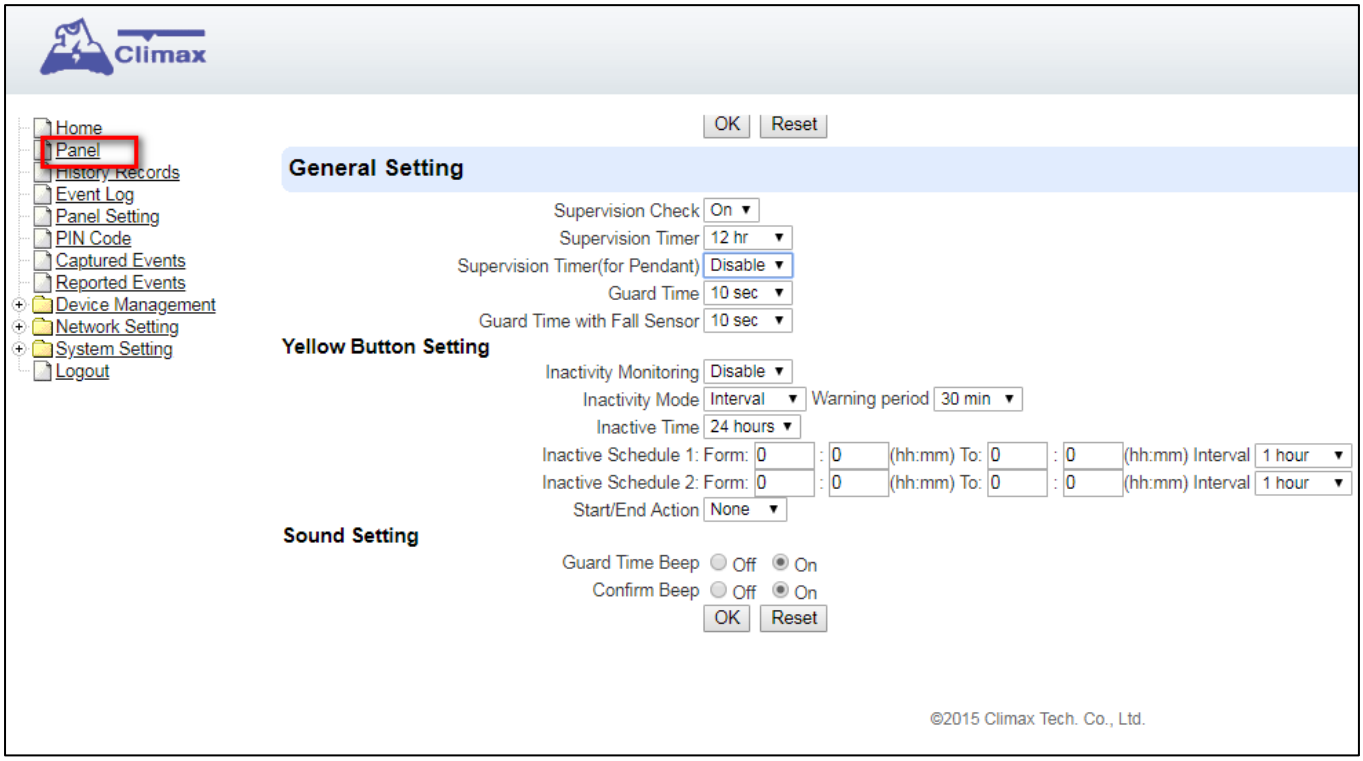
DTMF Command

During conversation for an emergency call, non-Emergency call, or callback call, the following DTMF commands can be used to control the voice communication channel. (This function is for VOIP only; GSM does not support DTMF detection.)

- Enter **(1)** to decrease the speaker volume level.
- Enter **(3)** to increase the speaker volume level.
- Enter **(4)** to open two-way voice communication.
- Enter **(7)** to listen in only.
- Enter **(8)** to talk only.
- Enter **(0)** to hang up.

5.3 General Setting

Scroll down the Panel Setting webpage to locate General Setting section.



- **Supervision Check**
  - Select to enable or disable system supervision function. When ON is selected, the Control Panel will monitor the accessory devices according to the supervision signal received.
- **Supervision Timer:**
  - The Control Panel monitors accessory devices according to the supervision signal transmitted regularly from the device. User this option to set a time period for receiving supervision signals. If the Control Panel fails to receive supervision signal from a device within this duration, it will consider the device out of order and report the event accordingly.
- **Supervision Timer (for Pendant):**
  - The Control Panel monitors pendant according to the supervision signal transmitted regularly from the device. User this option to set a time period for receiving supervision signals. If the Control Panel fails to receive supervision signal from a pendant within this duration, it will consider the pendant out of order and report the event accordingly.
- **Guard Time:**
  - Non-Fall Sensor:

- Guard time normal is designed for any compatible sensor except for Fall Sensor (fall detection).
- The Control Panel will emit quick beeps during guard time.
- Alarm can be canceled during guard time.
- An emergency alarm cannot be cancelled after guard time has expired.
- If an emergency alarm is triggered by Fall Sensor, guard time will be determined by the setting of Fall Sensor instead of the setting of guard time.
- Triggering the following sensors will make instant reports and will not enter Guard Time Delay:
  Smoke Detector (SD), Water Sensor (WS), Carbon Monoxide Detector (CO), Heat Detector (HD).

- Fall Sensor:

  - The Guard Time for Fall Sensor's fall detection function is set separately from regular Guard Time.
  - The Control Panel will emit quick beeps during Fall Sensor Guard Time.
  - If a false alarm is triggered by Fall Sensor, it can be canceled within the guard time period.
  - This function is only used when a fall is detected, if the Fall Sensor button is pressed to activate alarm, normal guard time is used instead.

Yellow Button Setting

- **Inactivity Monitoring:**

  - **Inactivity:** When selected, "Inactivity monitoring" function is enabled. Pressing the yellow button will toggle on/off the inactivity monitoring.

  - **Bypass Wanderer:** When selected, "Bypass Wanderer" function is enabled. Pressing the yellow button will toggle on/off "Bypass Wanderer".

  - **Disable:** Both "Inactivity monitoring" and "Bypass Wanderer" functions are disabled.

- **Inactivity Mode:**

  - **Interval**: In this mode, pressing the Yellow Button to initiate or stop Inactivity Monitoring countdown timer.

    - Inactivity Time: Select the countdown time length for inactivity time. When this timer expires without being reset, the Warning Period will start.

  - **Schedule**: The system will automatically initiate Inactivity Monitoring within the scheduled times, and turn off when the schedule has expired.

- Schedule Setting: Set the start/end time of the schedule. Two schedules can be programmed separately.
- Interval: Set the Inactivity Monitoring countdown timer for Schedule mode. When this timer expires without being reset, the Warning Period will start according to previous setting

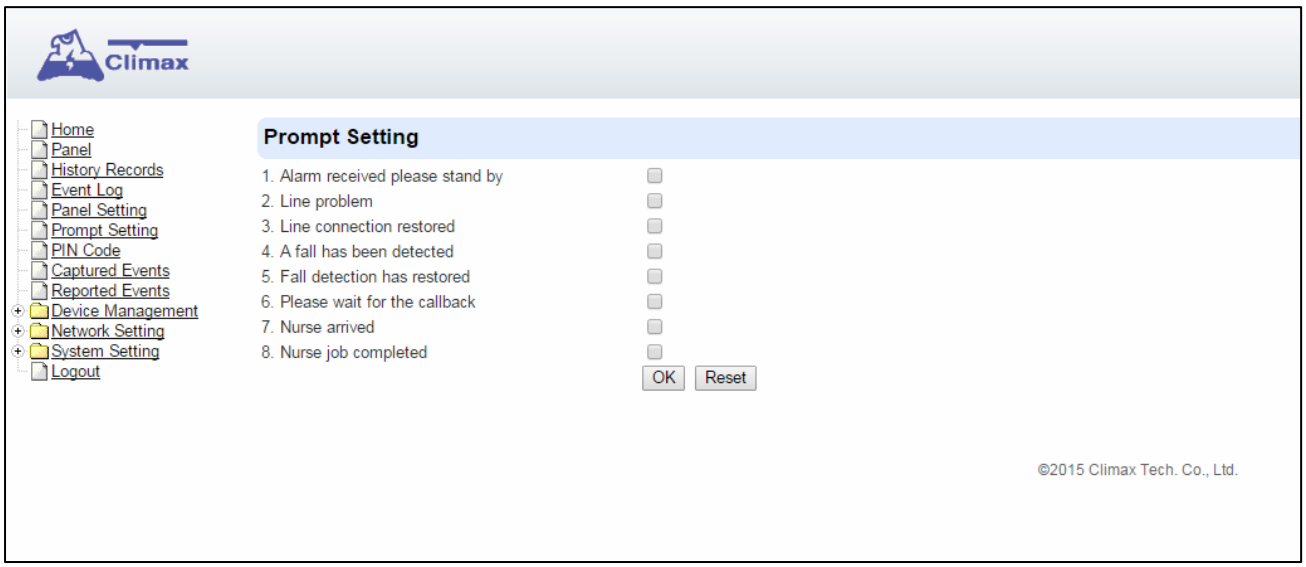
- **Warning Period**: During this period, the Control Panel will play a voice prompt “Inactivity timer expiring, please reset” once every 5 minutes. If Voice Prompt function is disabled, the Control Panel will sound a beep instead. When the Warning Period expires, the system will report an Inactivity Report to the CMS.
- **Bypass Timer**: Set the countdown time length after the Bypass Wanderer function is turned on by pressing the yellow button. When the Bypass timer expires, the Bypass function will be turned off.
- **Start/End Action:** This option determines if the Control Panel will report to CMS when the Yellow Button is pressed (to toggle on/off of Inactivity Monitoring).

Sound Setting

- **Guard Time Beep:**
  - Set to turn ON or OFF beep indication during guard time countdown.
- **Confirm Beep:**
  - Set to turn ON or OFF beep indication during reporting process.

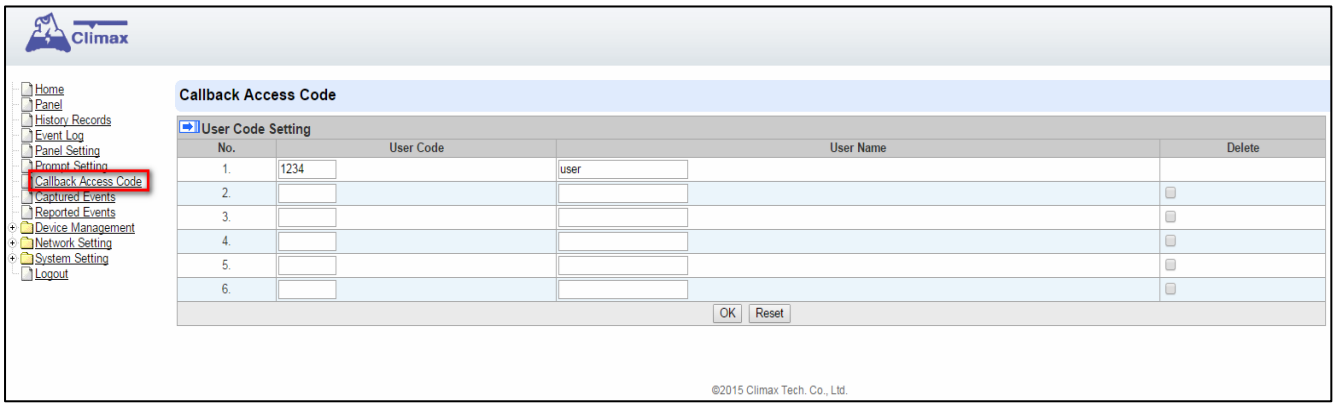
5.4 Prompt Setting

The Prompt Setting page allows you to select which voice prompt(s) will be played to report corresponding condition(s) and remind you to take a specific action.



5.5 Callback Access Code

The Callback Access Code is used for incoming caller to establish two-way voice communication with the panel during Call-back. When dialing to the panel during call-back, the dialer should enter correct Callback Access Code for panel to pick up the call.

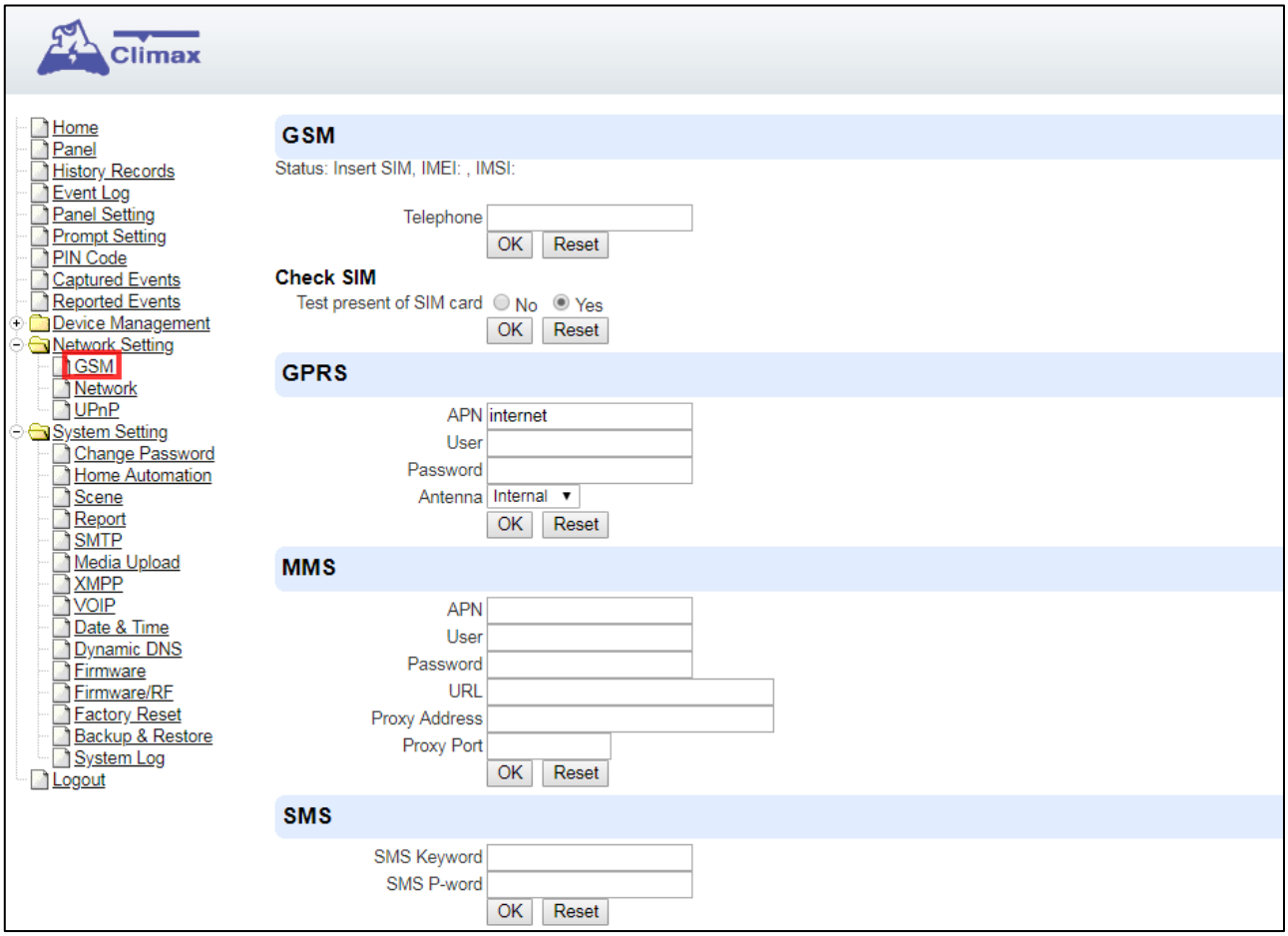


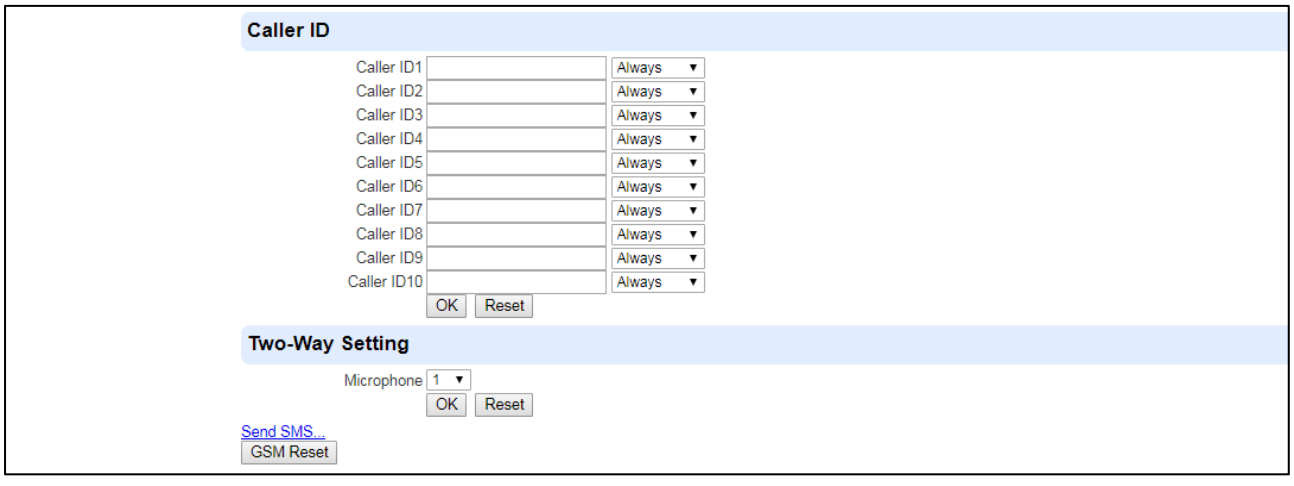
Enter the Callback Access Code setting in User Code, and click OK to confirm.

6 Network Setting

6.1 GSM (only GX-(MAX)8 model)

Select **Network Setting** - **GSM** from panel webpage





GSM

- **Telephone**

  Enter the Telephone number of the SIM card, then press OK. (Please refer to **8.5. Alarm session and Call Setup Methods**. <crd>gsm:telephone number<crd> needs to be defined in this filed.)

Check SIM

This is designed for the system to check the SIM card or not. (***If users do not intend to use the GSM funciton, please selsect "NO" to ensure the system will not check if the SIM card is inserted or not and it will not display the GSM fault by LED flashing.***)

GPRS

In order to allow GPRS to serve as a back-up IP Reporting method, this section will need to be programmed before reporting.

- **APN (Access Point) Name**

  It is the name of an access point for GPRS. Please inquire your service provider for an APN. When APN is set, the system becomes valid for internet connection.

- **User (GPRS)**

  It is the Log-in name to input before accessing the GPRS feature. Please inquire your service provider.

- **Password (GPRS)**

  It is the User Password to input before accessing the GPRS feature. Please inquire your service provider.

- **Antenna: (for GX-(MAX)8-EX model only)**

  It is the antenna type (internal or external) to be selected for GX-(MAX)8-EX model. For other models, make sure to select internal antenna.

<NOTE>

☞ All values will be applied to both Areas 1 & 2.

MMS

The MMS settings are offered by your telecom service provider. Before configuring this function, contact your service provider for correct MMS setting information of the inserted SIM card.

- **APN (Access Point) Name**

  Enter a MMS APN name provided by your service provider.

- **User**

  Enter the Log-in name for accessing the MMS feature provided by your telecom service provider.

- **Password**

  Enter the password for accessing the MMS feature provided by your telecom service provider.

- **URL**

  Enter the MMS APN URL provided by your telecom service provider.

- **Proxy Address**

  Enter the MMS Proxy Address provided by your telecom service provider.

- **Proxy Port**

  Enter the MMS Proxy Port provided by your telecom service provider.

SMS

- **SMS Keyword**

For sending remote commands to system via SMS message, a personalized password is required for the Control Panel to recognize your authority.

- **SMS P-Word**

  Program Keyword is used to recognize the identity of a valid user; and to give authority for Remote Installing (through SMS Text) or Remote Upgrading purposes (through GPRS). This keyword will need to be inserted whenever the Remote Setting or Remote Upgrading is required. A maximum of 15 characters is allowed.

Caller ID

- The Caller ID function allows the Control Panel to automatically pick up/ring for an incoming call according to the selected condition if the incoming call number contains the Caller ID numbers.

  For example, if a Caller ID is set as 70670, and there is an incoming call whose number is 044797067001, GX-(MAX)8 will regard it as matching the Caller ID.

- Up to 10 Caller IDs can be programmed, and up to 32 numeric digits are allowed per setting.
- After setting the Caller ID(s), please select the condition for each Caller ID.

  - Always: The Control Panel will automatically answer any incoming call (ring in during idle mode or callback after an alarm) whose number contains the numbers programmed in the Caller ID.

  - Call Back: Only during Callback mode will the Control Panel automatically answer the call whose number contains the numbers programmed in the Caller ID.

  - Incoming: Only during idle mode will the Control Panel automatically answer the call whose number contains the numbers programmed in the Caller ID.

  - Ring Tone: The Control Panel rings for the incoming call during Call back, when the incoming call's number contains the numbers programmed in the Caller ID. You can answer the incoming call by pressing the Red help button on the Control Panel.

- If no Caller ID is programmed, the Control Panel will cut off any incoming call during Call Back Mode, and ring for/auto-answer/cut off incoming calls during idle mode according to the Answer Incoming setting (Refer to **5.2. Panel Setting**).

Two-Way Setting

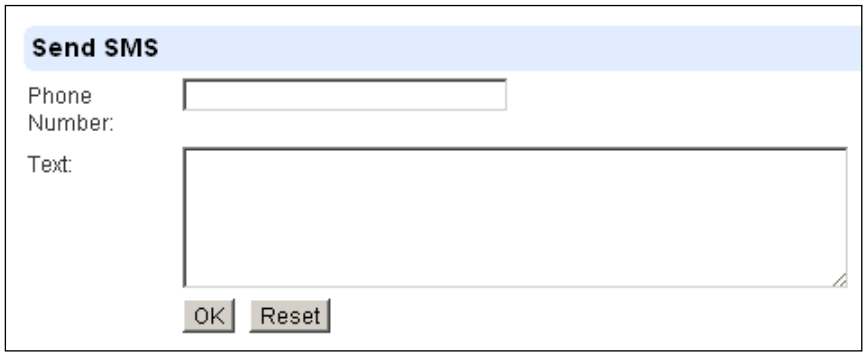
The two-way setting is designed to adjust microphone sensitivity for two-way communication. There are 10 sensitivity levels for selection. Level 1 refers to lowest sensitivity level, while Level 10 refers to highest sensitivity level

Send SMS Message

This feature is designed for you to send a SMS message on this web configuration page.

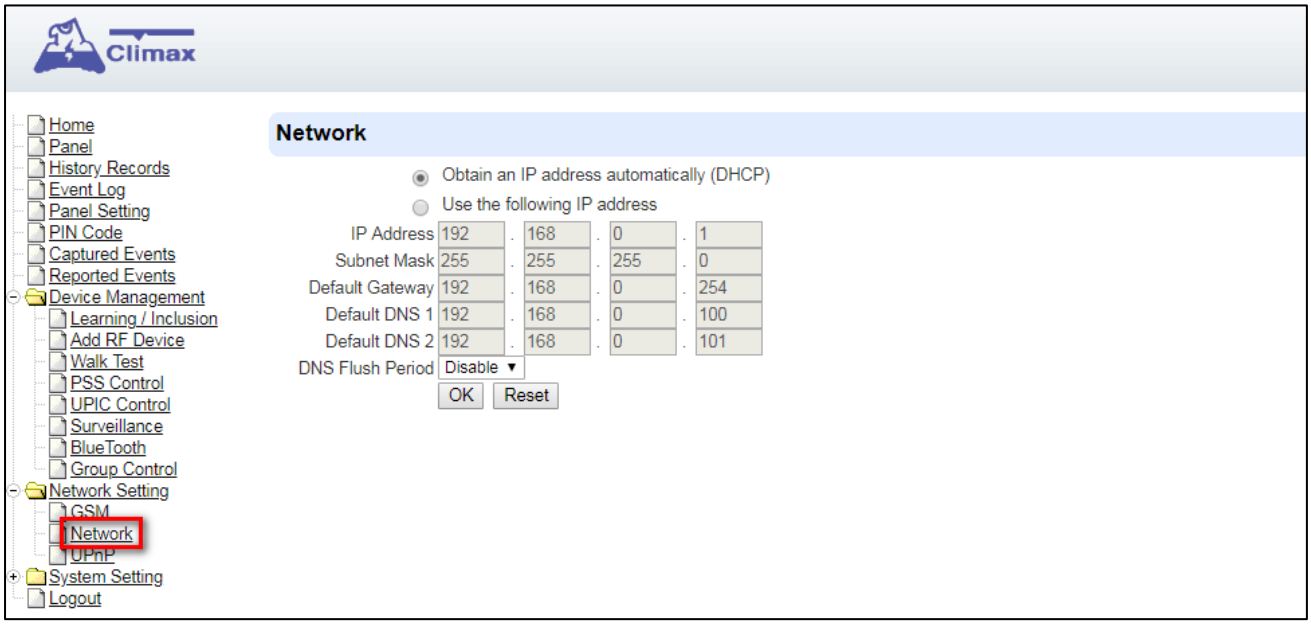
Step 1. Click **Send SMS**.

Step 2. Enter a desired phone number and text message.



6.2 Network

Select **Network Setting** – **Network** from panel webpage. This webpage is for you to program the Network for IP connection.



- **Obtain an IP address automatically (DHCP)**

  If DHCP is selected, the Network will obtain an IP address automatically with a valid Network DHCP Server. Therefore, manual settings are not required.

  This is only to be chosen if your Network environment supports DHCP. It will automatically generate all information.

- **Use the following IP address**

You can also enter the Network information manually for IP Address, Subnet Mask, Default Gateway, Default DNS 1 and Default DNS 2.

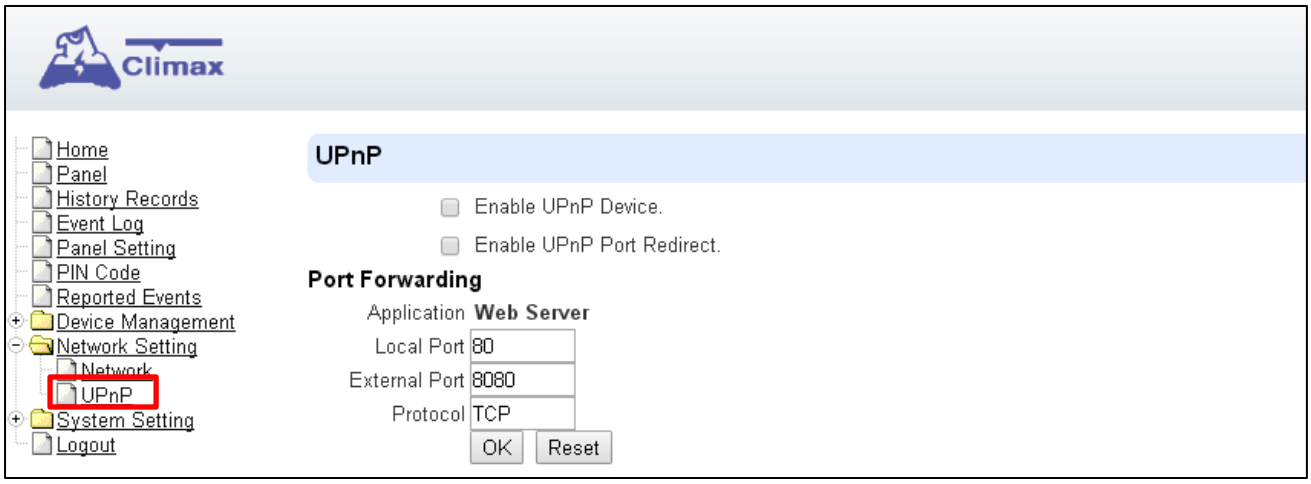
Please make sure that you have obtained all required values according to your Network environment. Please contact your network administrator and/or internet service provider for more information.

- **DNS Flush Period**

  You can set the system to clear current DNS resolution records for all entered URL settings (Reporting, Upload, XMPP…etc.) after a set time period. The system will then resolve the Domain Name again and acquire new IP address for the URL settings. This function is disabled by default.

6.3 UPnP

Select **Network Setting** – **UPnP** from panel webpage. UPnP is Universal Plug and Play, which opens networking architecture that leverages TCP/IP and the Web technologies to enable seamless proximity networking in addition to control and data transfer among networked devices in the home, office, and public spaces.



- **Enable UPnP Device:**

  When enabled, you will be able to see this device via any UPnP discovery tool

- **Enable UPnP Port Redirect:**

  The device will try to find an UPnP-supported router and set up the port to redirect to the router.

- **Port Forwarding:**

  Port forwarding allows you to expose Web Server that you host on your LAN to external Internet users.

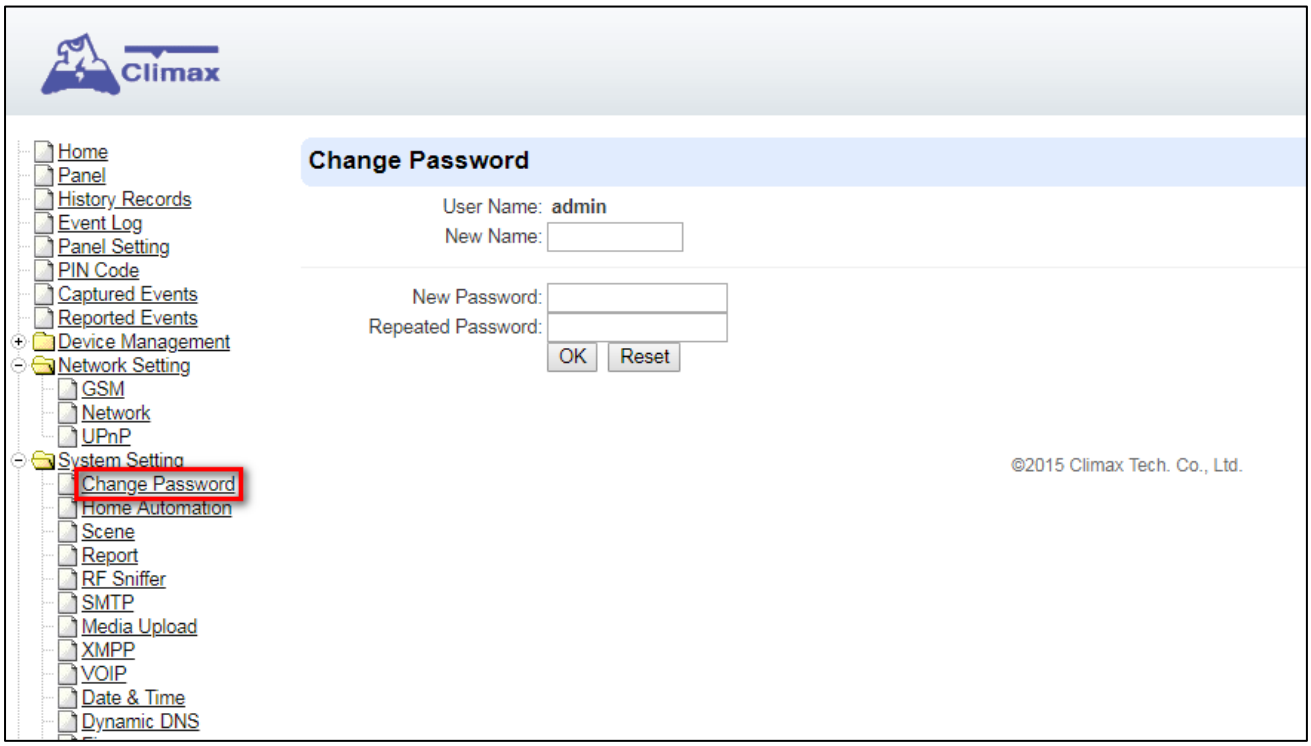
  1. **Local Port -** The port number seen by the Server on your LAN. Enter the port number which the Server is configured to use.
  2. **External Port -** The port number seen and used by Internet users. Enter the required port number.
  3. **Protocol -** Enter the required protocol (TCP or UDP).

7 System Configuration

Select **System Setting** from panel webpage to access configuration webpages.

7.1 Change Password

This page is used to change the local webpage login user and password. Please note both User Name and Password are ***case sensitive***.



Step 1. Enter the preferred **User Name** in the “New Name” field.

Step 2. Enter the preferred **Password** in the “New Password” field and repeat the same Password in the “Repeated Password” field.

7.2 Home Automation

It is used to set Home Automation rules to control sensors and home appliances. You can set up to 100 rules.

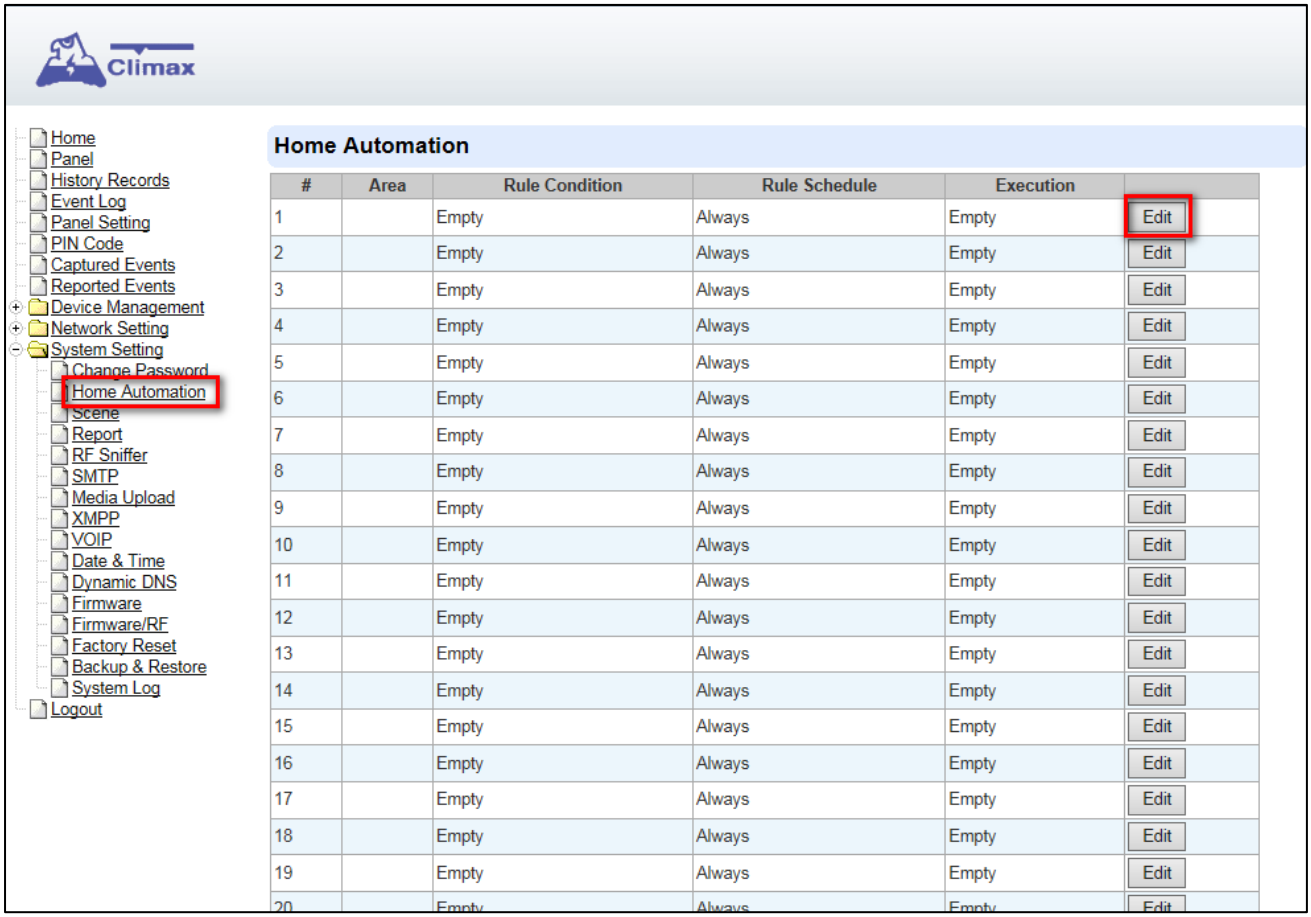
Step 1. Click on **Edit**.

Step 2. Select an operation area.

Step 3. Set a rule condition.

Step 4. Set a rule schedule.

Step 5. Select the corresponding action rules in the **Execution** field.



- **Area**

  Select an operation area.

- **Rule Condition**

  The rule condition determines under which circumstances the rule should be activated.

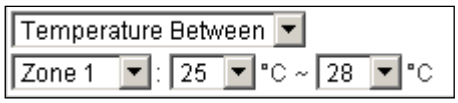
  ☞ ***Empty*** **:** When set as **Empty**, the system will follow the schedule time and execution rule to respond accordingly.

  ☞ ***Trigger Alarm*** : When set as **Trigger Alarm**, if the specified alarm event (Burglar/Some/Medical/Water/Silent Panic/Panic/Emergency/Fire /CO Alarm) is triggered, the rule will be activated according to rule schedule and execution setting.

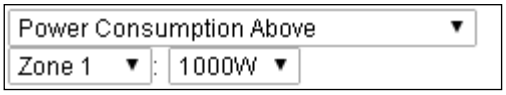
☞ ***Temperature Below*** : When set as **Temperature Below**, if the temperature detected by specified temperature sensor drops below set threshold, the rule will be activated according to rule schedule and execution setting.

☞ ***Temperature Above*** : When set as **Temperature Above**, if the temperature detected by specified temperature sensor exceeds set threshold, the rule will be activated according to rule schedule and execution setting.

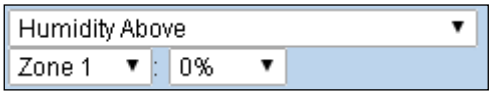
☞ ***Temperature Between*** : When set as **Temperature Between**, if the temperature detected by specified temperature sensor falls within the specified range, the rule will be activated according to rule schedule and execution setting.



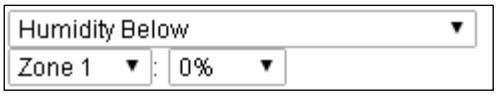
☞ ***High Power Consumption*** : When set as **Power Consumption Above**, if the power output from a specific Power Switch exceeds the set threshold, the rule will be activated according to rule schedule and execution setting.



☞ ***Humidity Above*** : When set as **Humidity Above**,if the humidity reading from specified room sensor rises above the level specified, the rule will be activated according to rule schedule and execution setting.



☞ ***Humidity Below*** : When set as **Humidity Below**,if the humidity reading from specified room sensor falls below the level specified, the rule will be activated according to rule schedule and execution setting.



☞ ***LUX Between*** : When set as **LUX Between**, if the lux reading from specified light sensor falls within the specified range, the rule will be activated according to rule schedule and execution setting.

- **Rule Schedule**

☞ ***Always*** : When set as **Always**, the rule can be activated anytime.

☞ ***Schedule Once*** : When set as **Schedule Once**, the system will follow the rule condition

and execute rule according to the exact date and time specifed.

☞ ***Schedule Every Month*** : When set as **Schedule Every Month**, the system will follow the rule condition and execute rule according to date and time specified every month.

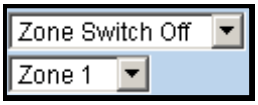
☞ ***Schedule Every Week*** : When set as **Schedule Every Week**, the system will follow the rule condition and execute rule according to day of the week and time specified every week.

☞ ***Schedule Every Day*** : When set as **Schedule Every Day**, the system will follow the the rule condition and execute rule according to time specified every day

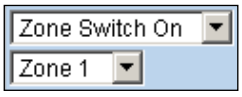
- **Execution**

Execution is the actual action performed by Control Panel when both Rule Condition and Rule Schedule requirements are met

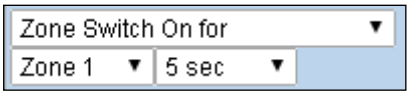
☞ ***Zone Switch Off:*** Turn off the Power Switch at specified zone.



☞ ***Zone Swich On*** : Turn on the Power Switch at specified zone.



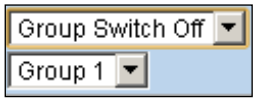
☞ ***Zone Swich On For*** : Turn on the Power Switch at specified zone for a set duration.



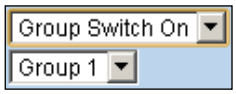
☞ ***Zone Switch Level***: Change the power output level for Dimmer at specified zone.

☞ ***Zone Swich Toggle*** : Toggle on/off the Power Switch at specified zone.

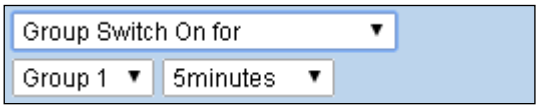
☞ ***Group Switch Off*** : Turn off all Power Switches assigned to specified group.



☞ ***Group Switch On*** : Turn on all Power Switches assigned to specified group.



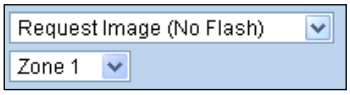
☞ ***Group Switch On For*** : Turn on all Power Switches assigned to specified group for a set duration.



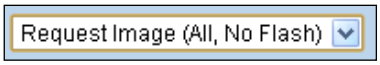
☞ ***Request Image*** : The PIR Camera in specified zone will take a picture.

☞ ***Request Image (All)*** : All PIR Cameras in the system will take a picture.

☞ ***Request Image (No Flash)***: The PIR Camera in specified zone will take a picture without activating its LED flash.



☞ ***Request Image (All, No Flash)*** : All PIR Cameras in the system will take a picture without activating LED Flash.



☞ ***Request Video*** : The PIR Video Camera or IP Camera in specified zone will record a video.

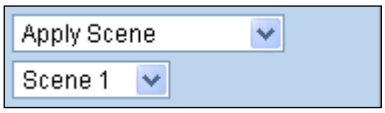
☞ ***Request Video (All)*** : All PIR Video Cameras and IP Cameras in the system will record a video.

☞ ***Setup UPIC***: The UPIC and specified zone will transmit Off/Heat/Cool command to the air

conditioner as programmed.

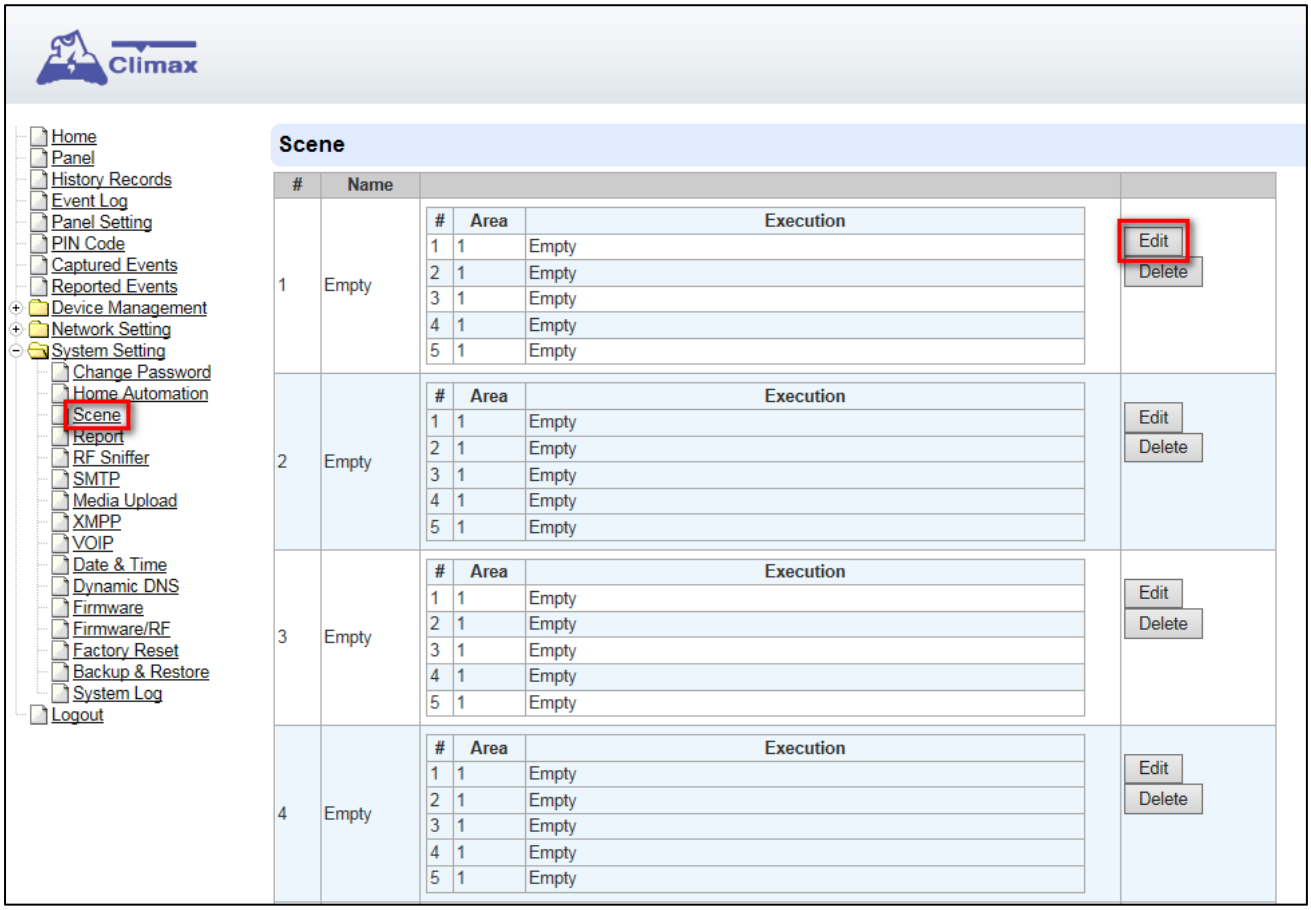
☞ ***Trigger Alarm:*** Choose to activate one of the following alarms: High Temperature Alarm, Low Temperature Alarm, High Power Consumption Alarm, High Humidity Alarm and Low Humidity Alarm

☞ ***Apply Scene***: The system will execute preprogrammed Scene number. Please refer to **7.3. Scene** for detail.

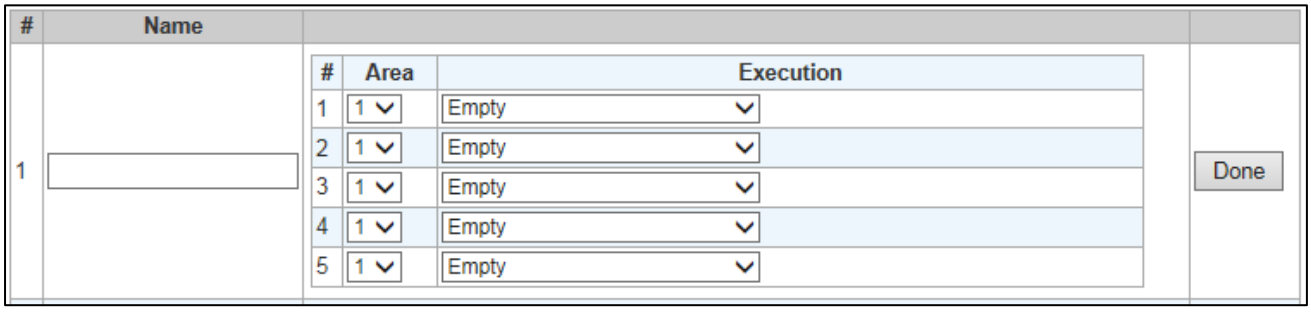


7.3 Scene

The Scene setting allows you to customize a series of actions with your devices, such as Power Switch control, image/video request and trigger alarm. The programmed scene can be set to be activated when a device is triggered. (See **4.4. Edit/Delete/Identify Device**), or when a Home Automation Rule is excecuted (See **7.2. Home Automation**). For example, you can set a scene to control multiple lightings, then set your Remote Controller to activate the scene when the button is pressed, or set a Home Automation Rule to activate the scene.



Step 1. Click on **Edit**.



Step 2. Enter a name for the scene.

Step 3. Select an Area

Step 4. Select an action to be executed when the scene is activated. Refer to the Rule Execution section in **7.2. Home Automation** for detail.

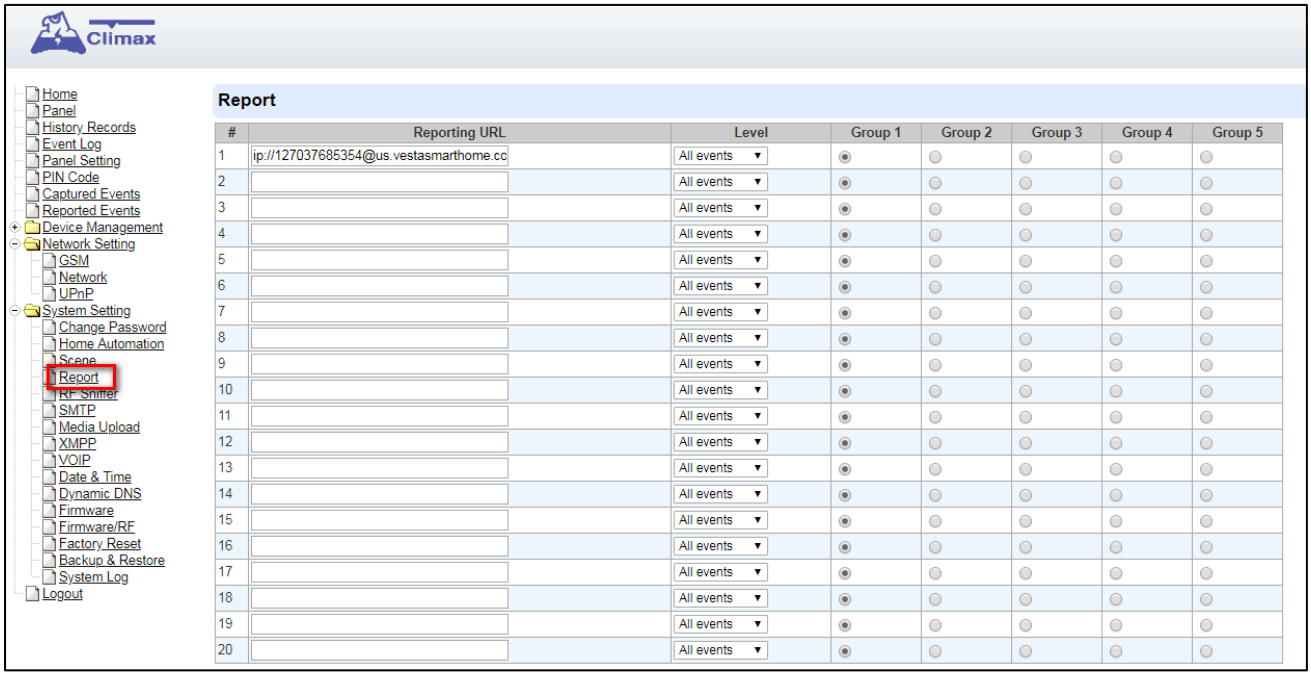
Step 5. Repeat Step 2-3 to setup the execution you want. As many as 5 executions can be included in one scene.

Step 6. Click "**Done**".

Step 7. Click "**OK**" at bottom of webpage to confirm the new scene setting..

7.4 Report

This report page programs report setting CID or VOIP reporting.



- **Reporting URL**

  This is used for installer to program report destinations.

  1 Climax CID protocol via IP

  Format: ip://(Account Number)@(server ip):(port)/CID

  Example: ip://1234@54.183.182.247:8080/CID

  2 SIA DC-09 protocol via IP

  Format: ip://(Account Number)@(server ip):(port)/SIA

  Example: ip://1234@54.183.182.247:8080/SIA

  3 SIA DC-09 protocol via IP with AES encryption

  Format: ip//(Account Number)@(server ip):(port)/SIA/KEY/(128,196 or 256 bits Key)

  Example:

  ip://1234@54.183.182.247:8080/SIA/KEY/4A46321737F890F654D632103F86B4F3

  4 SIA DC-09 protocol using CID event code via IP

  Format: ip://(Account Number)@(server ip):(port)/CID_SIA

  Example: ip://1234@54.183.182.247:8080/CID_SIA

5 SIA DC-09 protocol using CID event code via IP, with HEX encryption.

Format: ip//(Account Number)@(server ip):(port)/CID_SIA/KEY/(HEX)

Example:

ip://1234@54.183.182.247:8080/CID_SIA/KEY/4A46321737F890F654D632103F86B4F3

6 CSV protocol via IP

Format: ip//(Account Number)@(server ip):(port)/CSV

Example: ip://1234@54.183.182.247:8080/CSV

7 Voice via GSM

Format: voice://telephone number

Example: voice://0987654321

8 SMS via GSM

Format: sms://Account Number@telephone/CID or sms://telephone/TEXT

Example: sms://1234@0987654321/CID

9 VOIP (Reserved for MAX model)

Format: report via sip server: sip:username or sip:username@server

report via lan: sip:ip address

Example: sip:john / sip:join@59.124.123.22

sip:192.196.0.10

10 Scaip Protocol Via IP

Format: scaip://Account@server:port

or scaip://Account:endpoint@server:port

or scaip://Account:endpoint@server:port/gsm:telephone

or scaips://ACCT:EndPoint@server:port/gsm:telephone (TLS encrypted)

Example: scaip://1234@59.124.230.221:53033

- **Level**

Select a reporting condition:

All events: The system will report all events to this destination.

Alarm event: The system will only report alarm event to this destination.

Status event: The system will only report status event(non-alarm event) to this destination.

Fire event: The system will only report fire event to this destination.

- **Group**

Select a group for your report destination The system will make report according to the following principle:

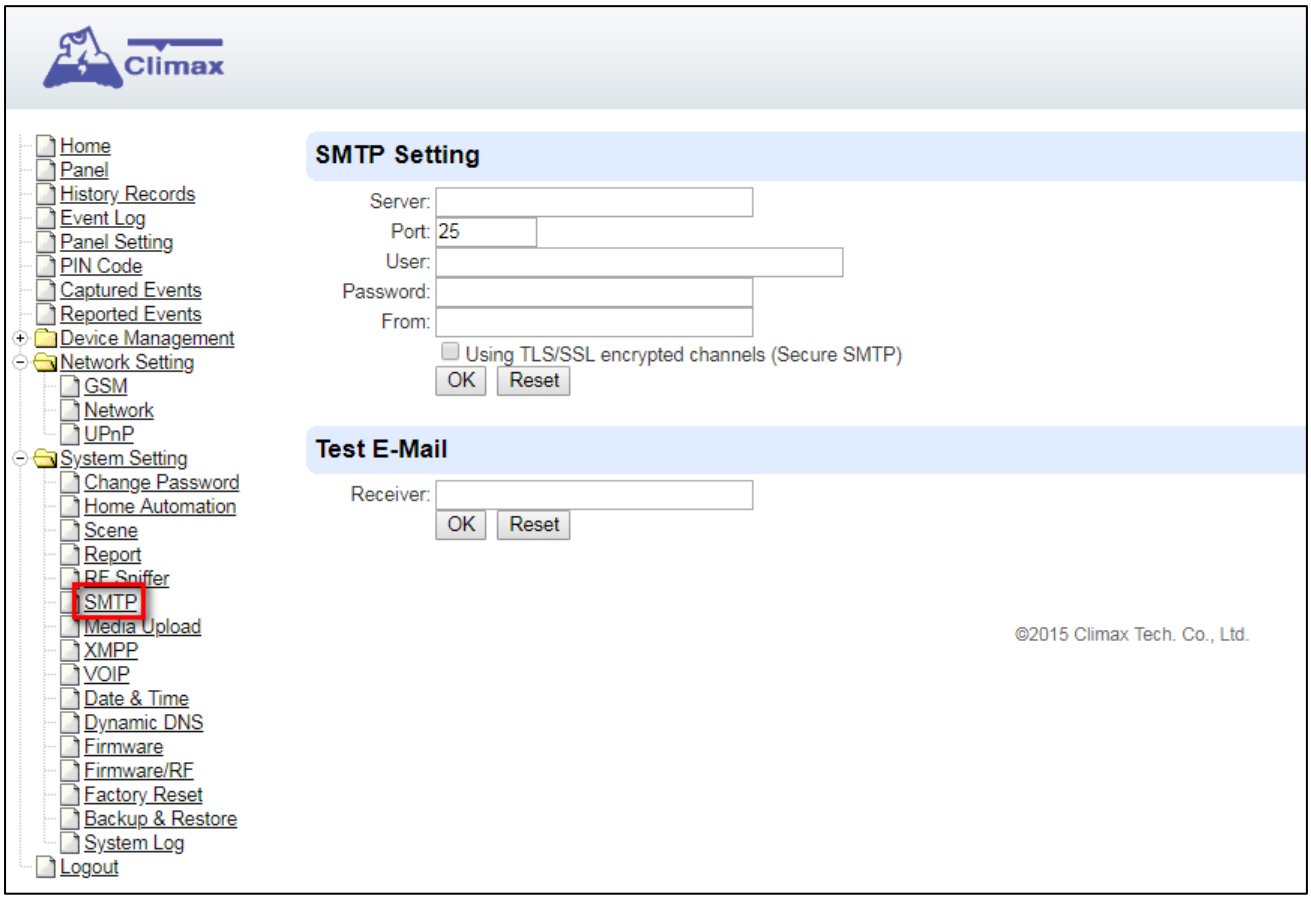
☞ Group with higher priority will be reported first: Ex: Group 1 → Group 2 → Group 3….

☞ If reporting to the first destination in a group fails, the system will move on to the next report destination in the group.

- ☞ If reporting to one of the report destinations in a group is successful, the system will consider reporting to this group successful and stop reporting to rest of the destinations in the group. It will then move on to report to the next group.
- ☞ If reporting to all destinations in a group fails, the system will retry report for 3 times. If reporting is still unsuccessful after retries, the system will move on to report the the next group.
- ☞ After completing a round of reporting (From Group 1 → Group 2 ….. →Group5), If at one group is reported successfully, the panel will stop reporting. If all report group fails, the panel will wait for 5 minutes and restart reporting from group one.
- ☞ If “Report Retrial” is selected as “Always” (Please refer to **5.2 Panel Setting**), the panel will not stop reporting unless at least one group is reported successfully.
- ☞ If “Report Retrial” is selected as “Abandon” (Please refer to **5.2 Panel Setting**), the Control Panel will only retry reporting for up to three times. If reporting still fails after retrying for three times, the Panel will give up.

7.5 SMTP

Program the mail server related settings. The email account you set here would be used to send report for events or picture and video clip captured by PIR Camera and PIR Video Camera.



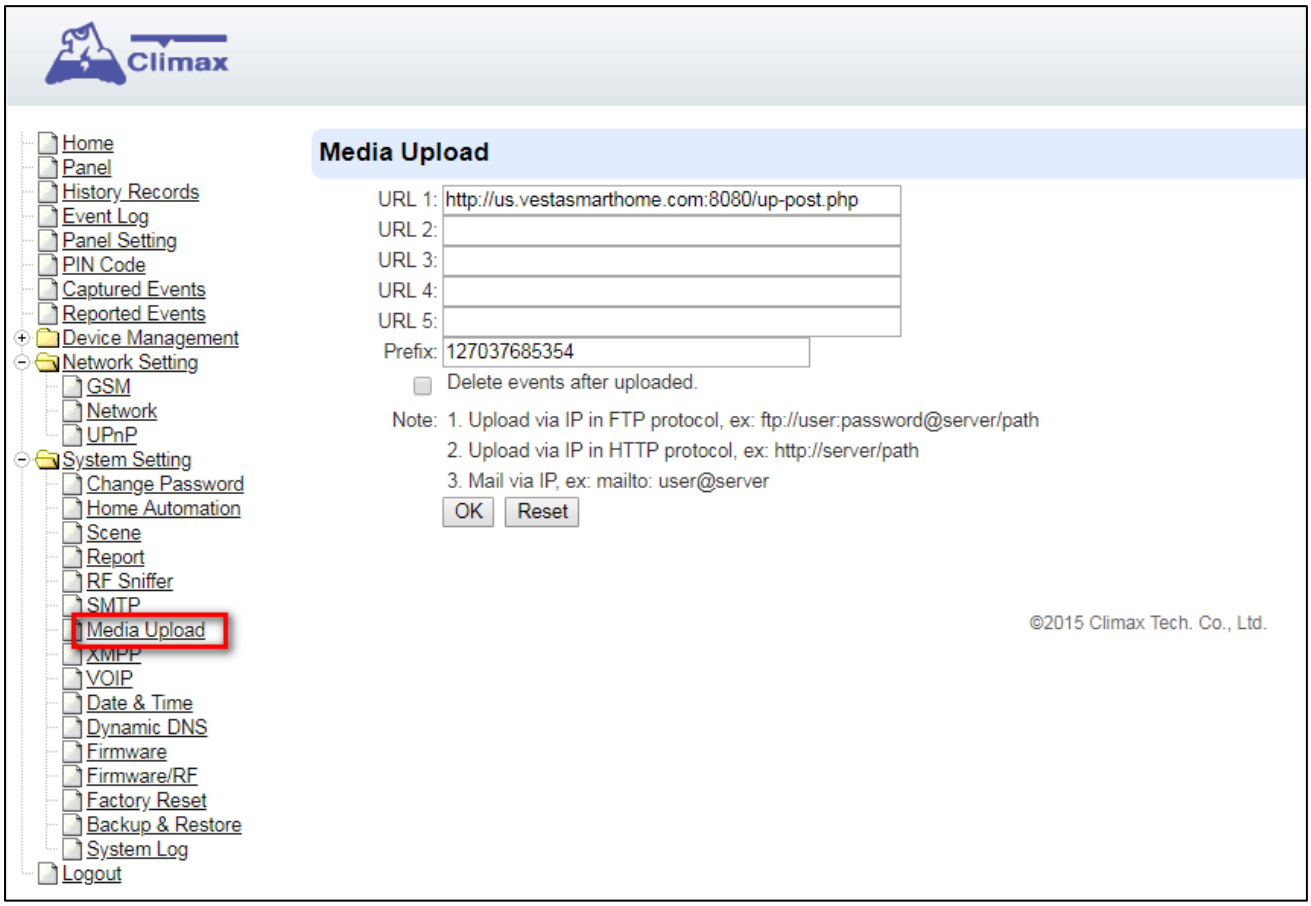
Step 1. Enter the following settings:

- **Server:** Set the mail server (max. 60 digits/alphabets).
- **Port**: Set the port number (max. 5 digits/alphabets).
- **User:** Set the mail account name (max. 30 digits/alphabets).
- **Password:** Set the password corresponding to the mail account name (max. 30 digits/alphabets).
- **From:** Set the email address according to your mail sever and account name. If your mail server supports other email address, you can enter the email address here. (max. 30 digits/alphabets).
- **Using TLS/SSL encrypted channels (Secure SMTP):** If your mail server uses TLS or SSL encryption method for secure transfer, please click the box to enable the setting.

Step 2. Click **OK** to confirm the setting.

7.6 Media Upload

The system can deliver captured images and video clips captured by PIR Cameras and PIR Video Camera to cell phone, email or ftp.



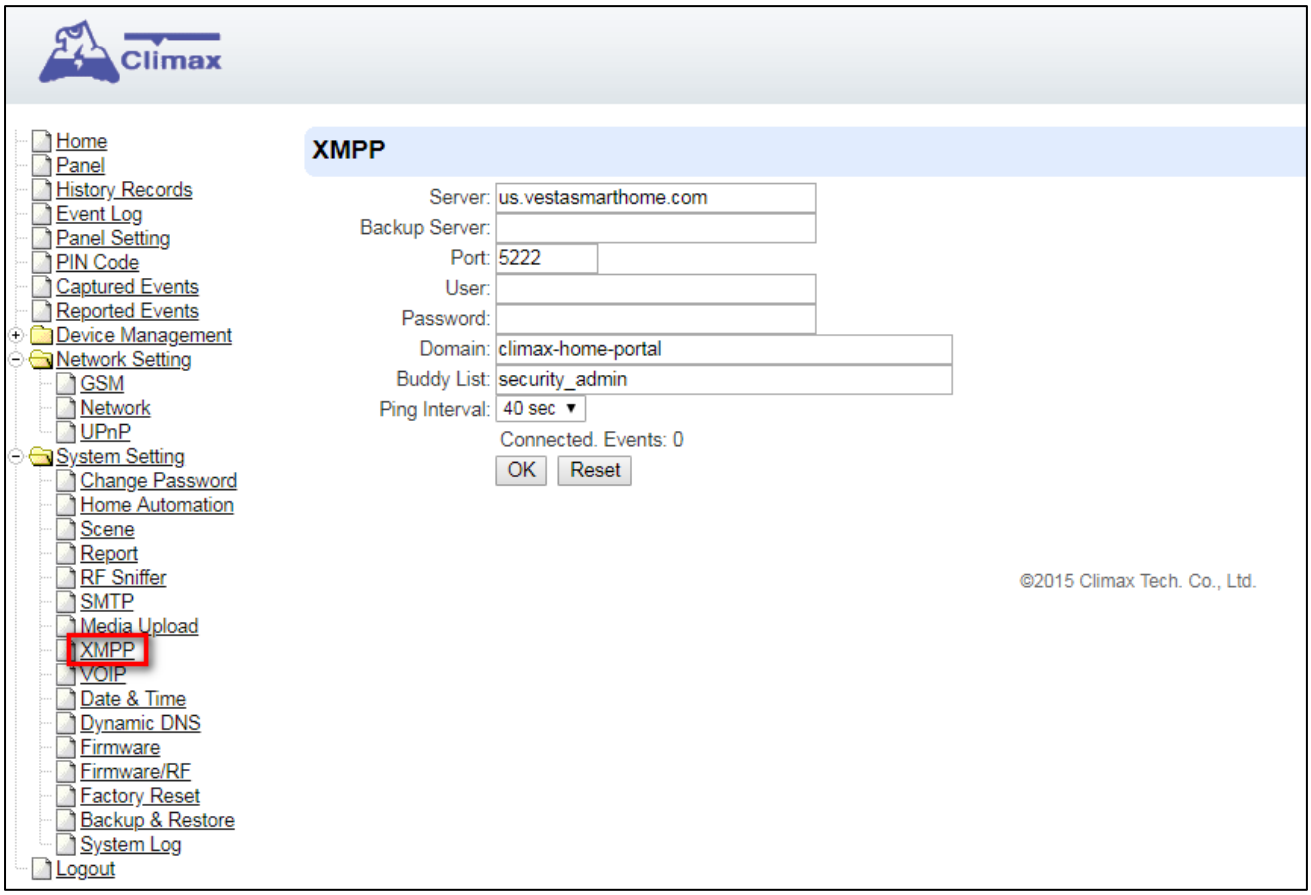
- **FTP:** ftp://user.password@server/path
- **HTTP:** http://ip:port/path
- **Email**: mailto:user@server (transmitting an alarm image over Ethernet)
- **MMS via Telephone**: mms: telephone number
- **MMS via GPRS**: mms: user@mail.server (transmitting an alarm image over MMS)

<NOTE>

☞ If "**Deleted events after uploaded**" is checked, the system will automatically clear all captured images which are displayed in the Captured Events menu after it successfully sends out those captured images to preset reporting destinations.

7.7 XMPP

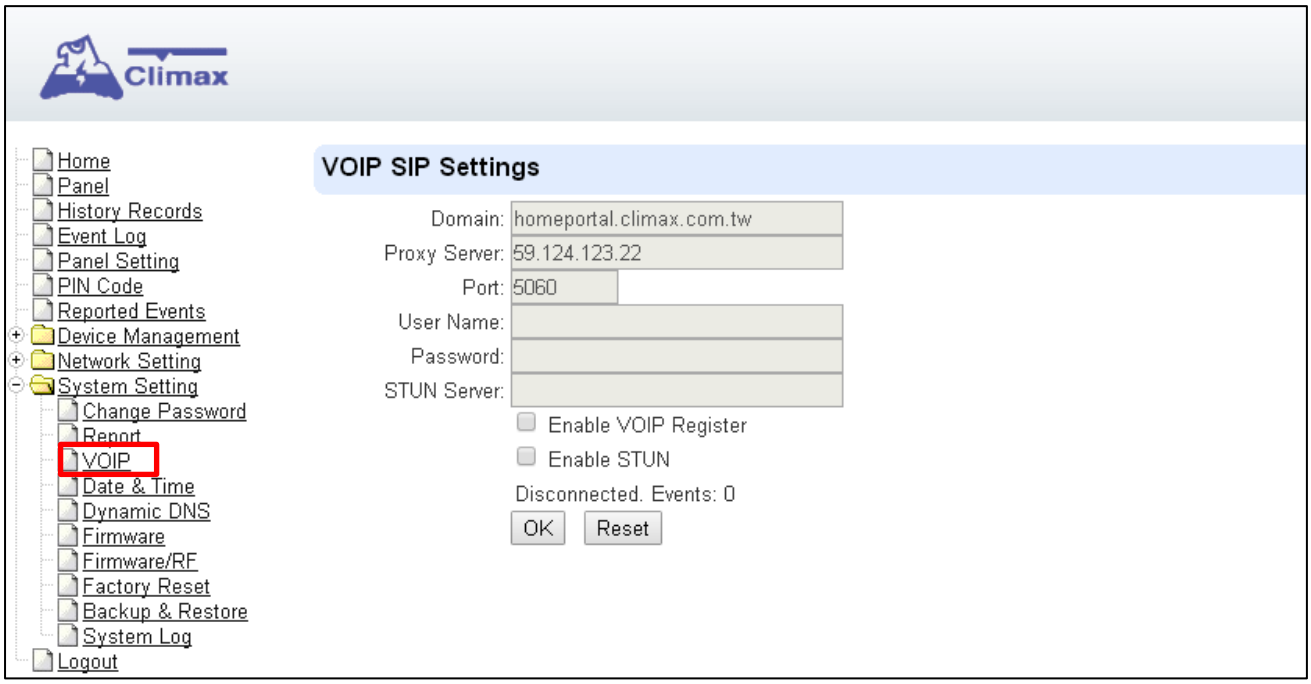
This page is used to program XMPP server settings.



- **Server:** Set server address.
- **Backup Server:** Set backup server address.
- **Port:** Set port number.
- **User:** Set username.
- **Password:** Set password.
- **Domain:** Set domain address.
- **Buddy List:** Set contact destination.
- **Ping Interval:** Set the time interval for sending packets to server to check connection.

7.8 VOIP (Reserved for MAX model)

This page is use to program VOIP server setting.

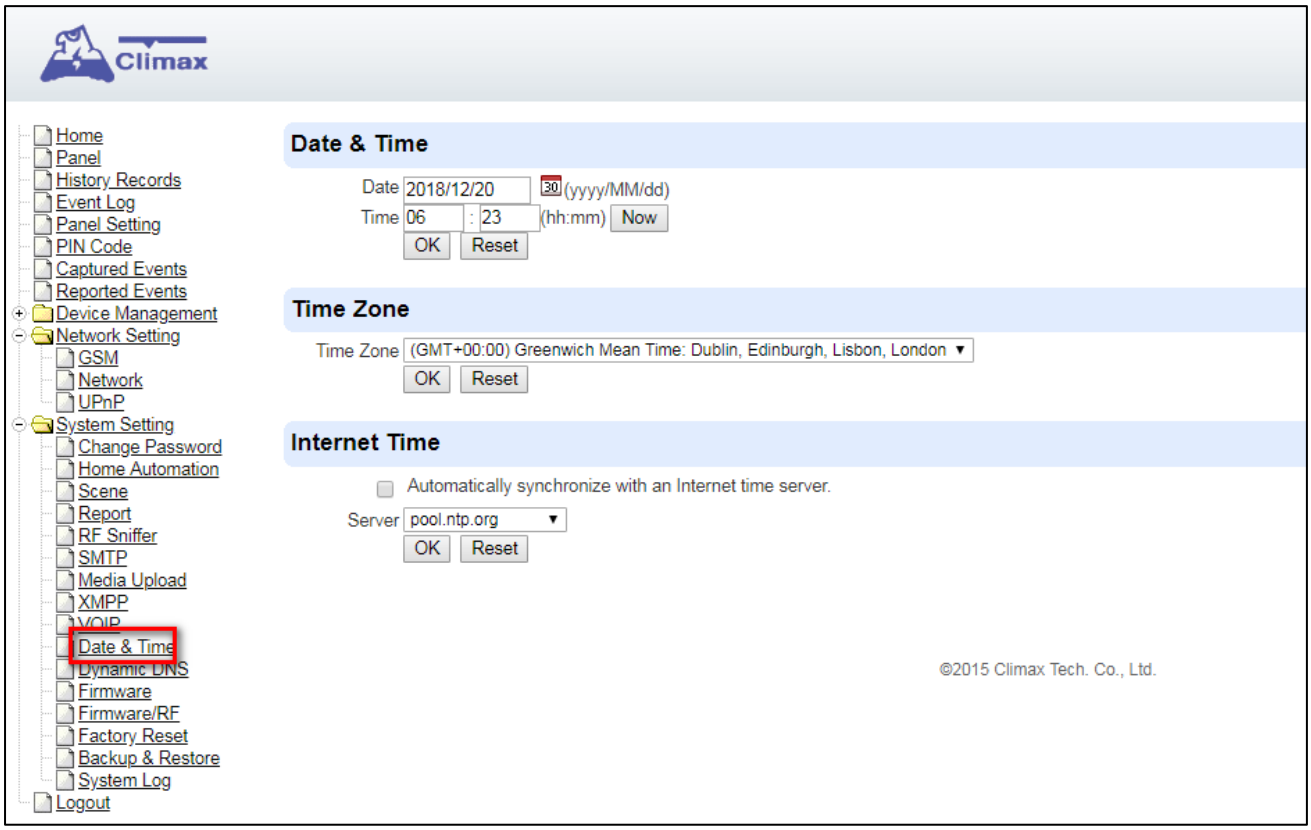


To set the panel to connect to a VOIP sever, make to check both **Enable VOIP Register** and **Enable STUN**, then enter the VOIP server info and click OK to confirm.

Unchecking both Enable VOIP Register and Enable STUN will disconnect the panel from VOIP server. When disconnected, the panel can only make VOIP call via Local Area Network.

7.9 Date and Time

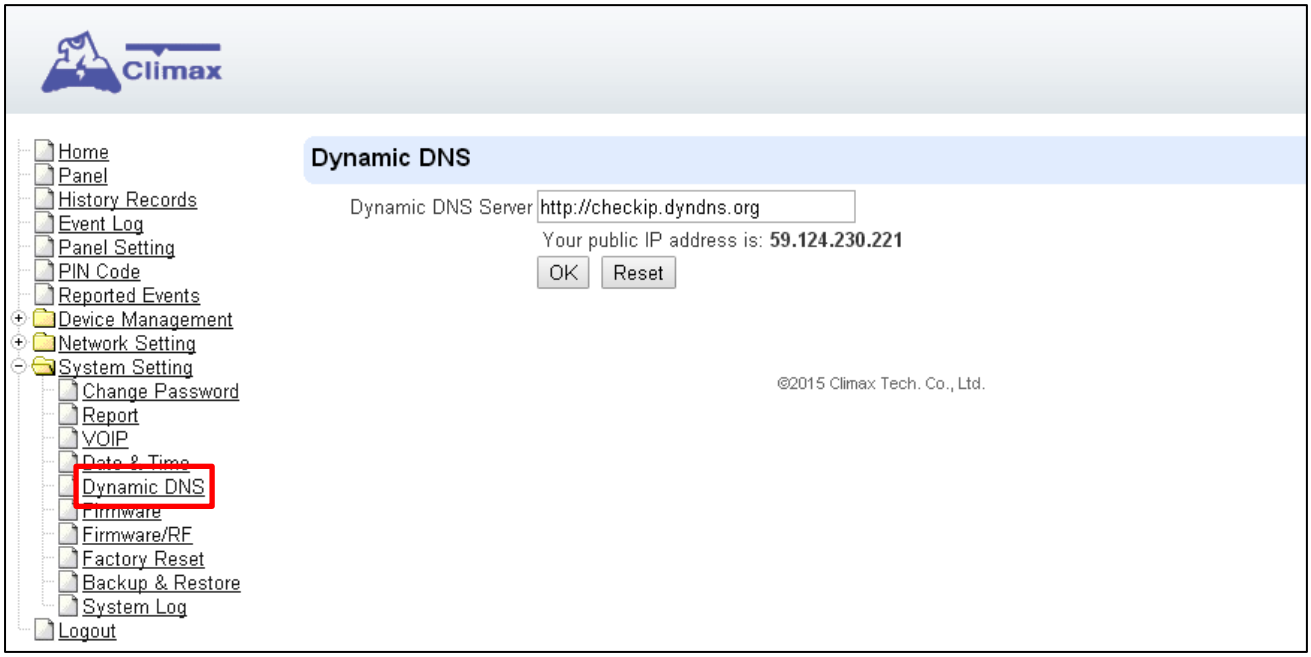
For panel time setting.



- **Date & Time:** Set current month, date and time.
- **Time Zone:** Choose your time zone, and then the system will calculate the daylight saving time automatically (if necessary).
- **Internet Time:** The system will automatically synchronize with an internet time server. Tick the check box to enable this function. Available options: pool.ntp.gov, time.nist.gov and tick.usno.navy.mil.

7.10 Dynamic DNS

This page is used to provide you the Control Panel's current public IP address.



- **Dynamic DNS Server:** default http://checkip.dyndns.org

7.11 Firmware Update

This page is used to update main control panel firmware.

Step 1. Click "**Browse/Choose File**" and locate the latest firmware file ("**unzipped image.bin**" file) in your PC.

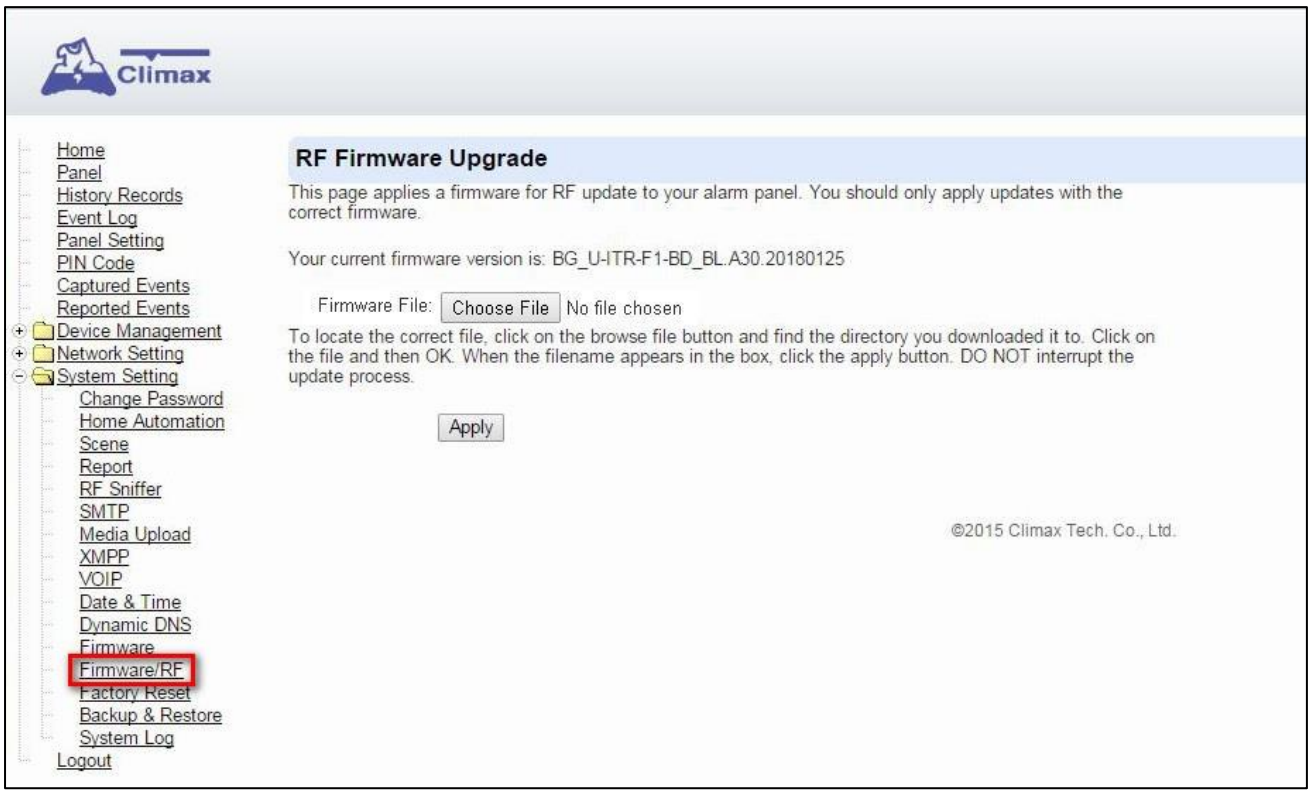
Step 2. Click "**Apply**" to upload the latest firmware to Control Panel

Step 3. DO NOT power off during firmware update.

Step 4. Once Firmware update is complete, the Control Panel will reboot automatically.

7.12 RF Firmware Update

This page is used to update RF firmware.



Step 1. Click "**Browse/Choose File**" and locate the latest RF firmware file ("**unzipped image.bin**" file) in your PC.

Step 2. Click "**Apply**" to upload the latest RF firmware to Control Panel

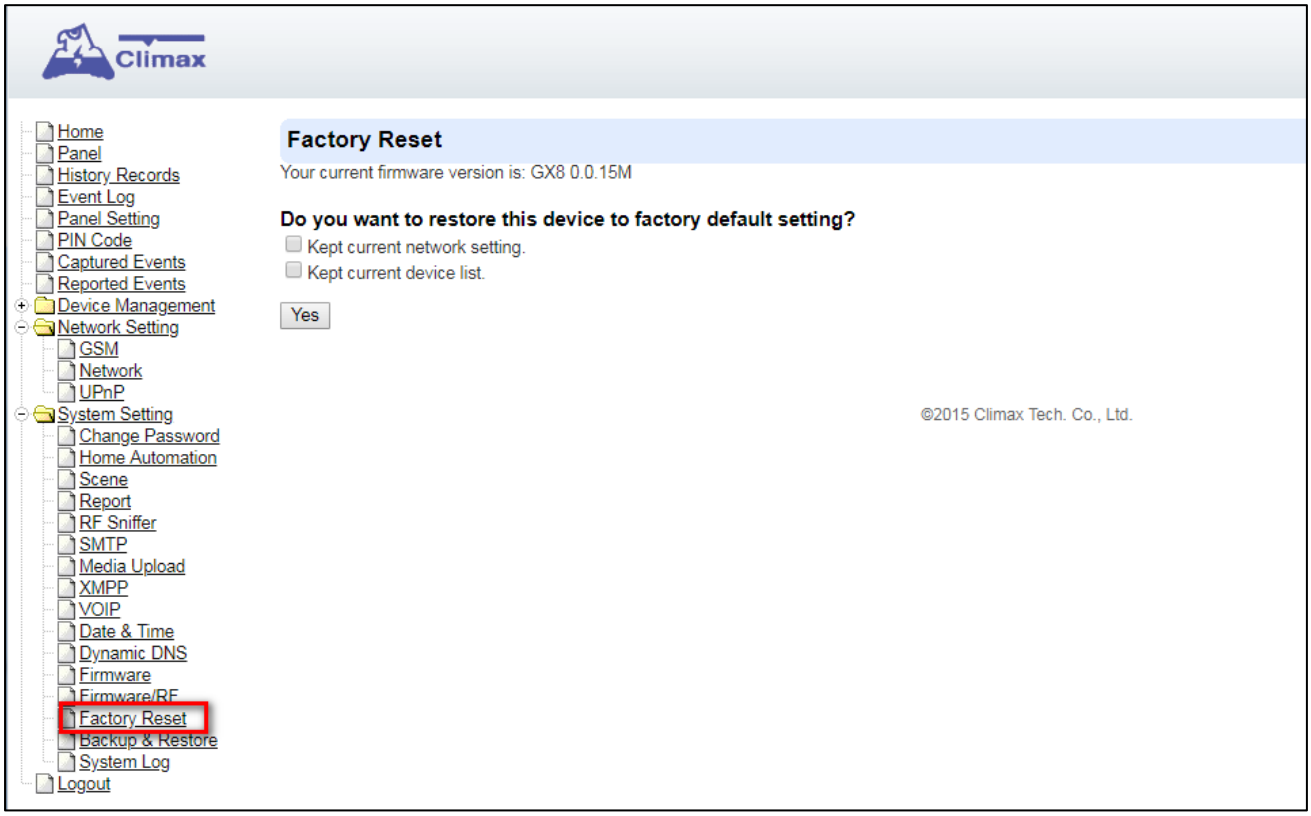
Step 3. DO NOT power off during firmware update.

Step 4. Once RF Firmware update is complete, the Control Panel will reboot automatically.

7.13 Factory Rest

Yan can clear all programmed parameters in the Control Panel and reset it to Factory Default.

Once the Factory Reset is executed, all the programmed settings will returned to its default value, and all the learnt-in devices will be removed. You will need to restart the programming and learning process again.



Step 1. Tick the **Kept current network setting** box to keep the current Network settings. Otherwise, the system will reset its value back to factory default.

Tick the **Kept current device list** box to keep the current learnt-in devices. Otherwise, the system will reset its value back to factory default.

Step 2. Click “Yes”.

Step 3. DO NOT power off during factory reset process.

Step 4. Once factory reset is complete, the Control Panel will reboot automatically.

- **Manual Factory Reset**

The Control Panel will clear all programmed parameters when the following steps are taken.

Step 1. Unplug the power cord from the DC jack.

Step 2. Use a pen or screwdriver to slide the battery switch to the off position.

Step 3. Plug the power cord into the DC jack while pressing both the help and the reset

buttons until one long beep is emitted to indicate the factory reset has been successfully executed.

Step 4. Release both buttons.

Step 5. Slide the battery switch back to the on position.

Step 6. Press Help and Reset buttons at the same time to power on.

Step 7. All 5 LEDs will flash 3 times to indicate successfully powering on. Continue holding Help and Reset buttons for another 6 seconds. All 5 LEDs will then flash 3 times, then release the buttons.

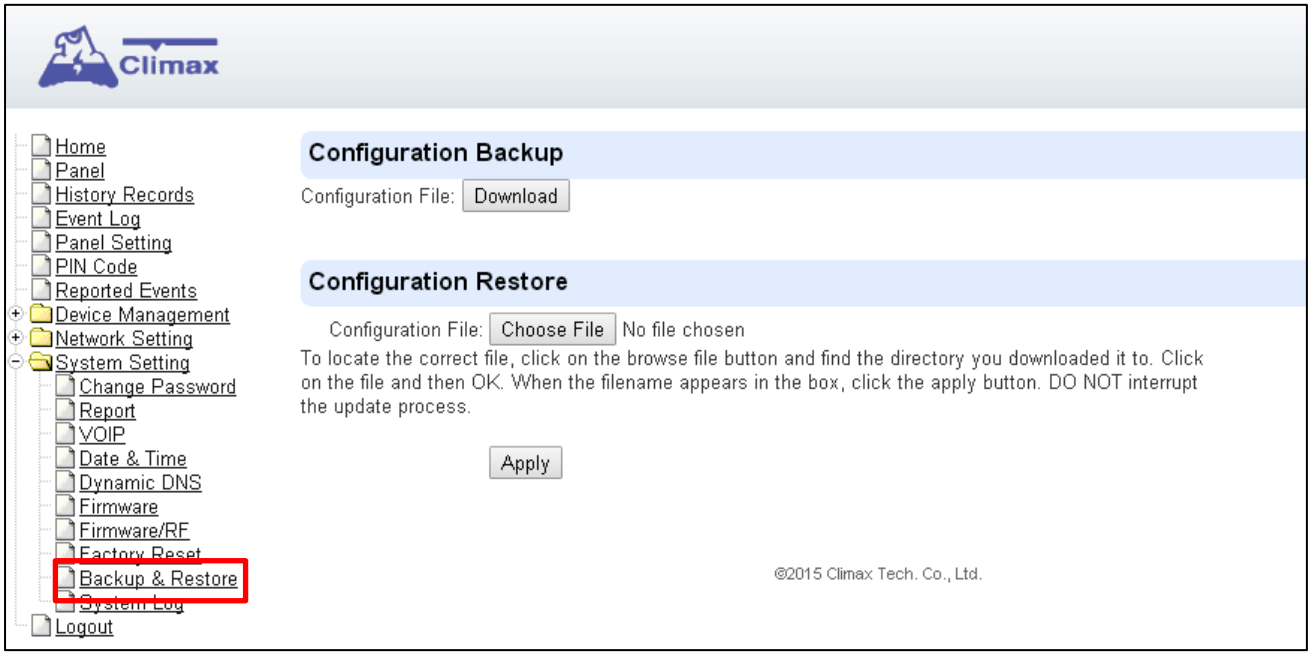
Step 8. Factory reset completed.

<NOTE>

☞ To verify whether you successfully reset the device, you will have to log in the Control Panel.

7.14 Backup and Restore

Use this page to back up panel setting parameter and learnt in device info, and restore panel to previous setting.



Backup Configuration File

Click “Download” to save panel setting file into your computer.

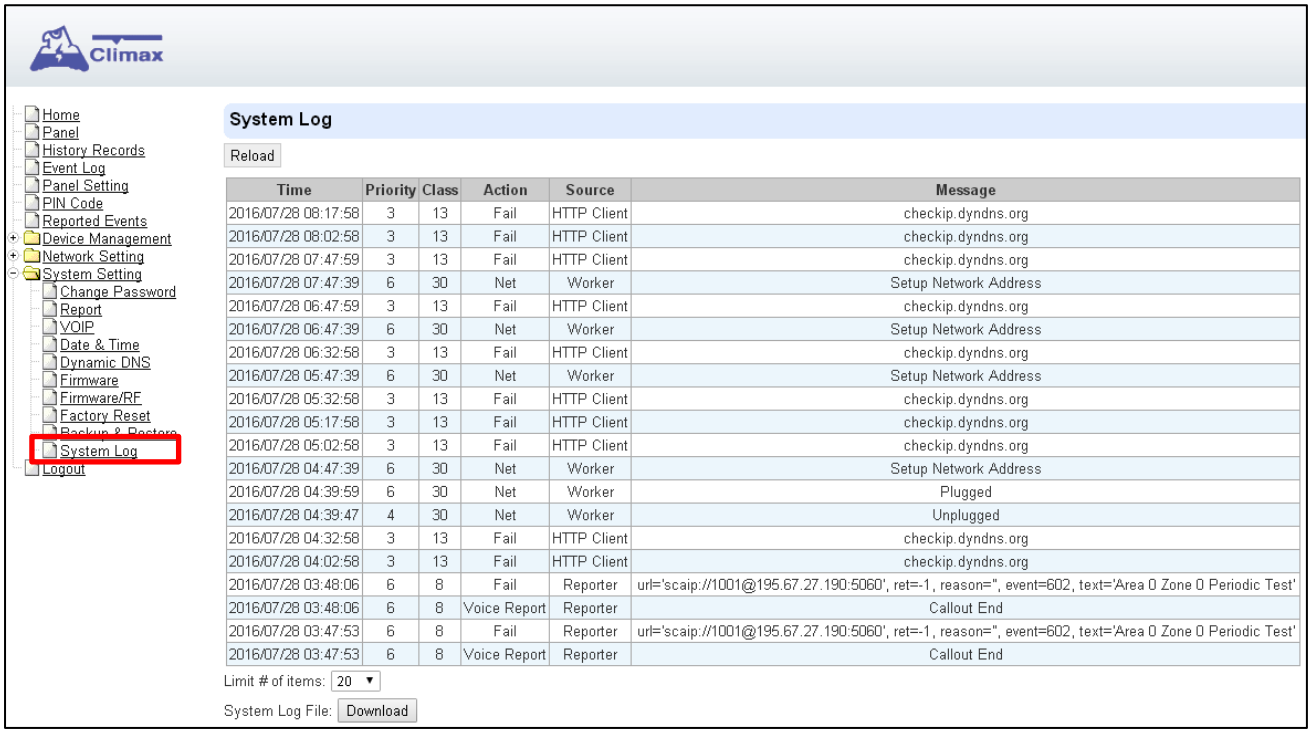
Restore Panel Setting

Step 1. Click “Browse/Choose File” and select the previously downloaded configuration file from your computer.

Step 2. Click “Apply” to upload the setting to panel.

7.15 System Log

The system log webpage logs the control panel’s detail system operation history.



- **Limit # of items:** Click to select how many event are dislayed on the webpage
- **System Log File Download:** Click to download a detailed log file into your computer for more information.

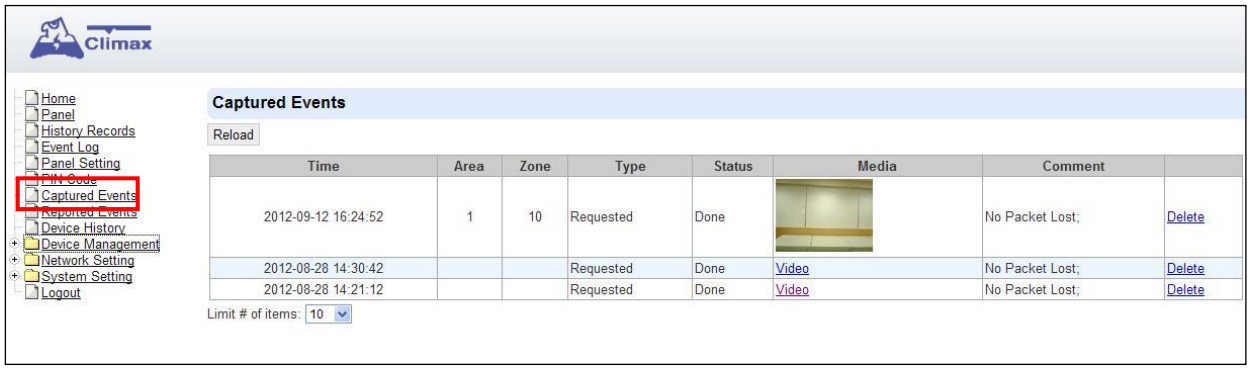
8 Event

This section introduces event history of the system.

8.1 Captured Events

This page stores all captured pictures and videos by PIR Camera and PIR Video Camera. You can request the PIR Camera to take a picture and PIR Video Camera to take a 10-second video clip manually.

Caputred events will be displayed in this page with their information for you to view. Simply click on the picture or video to view them. You can also click **Delete** to delete the event.

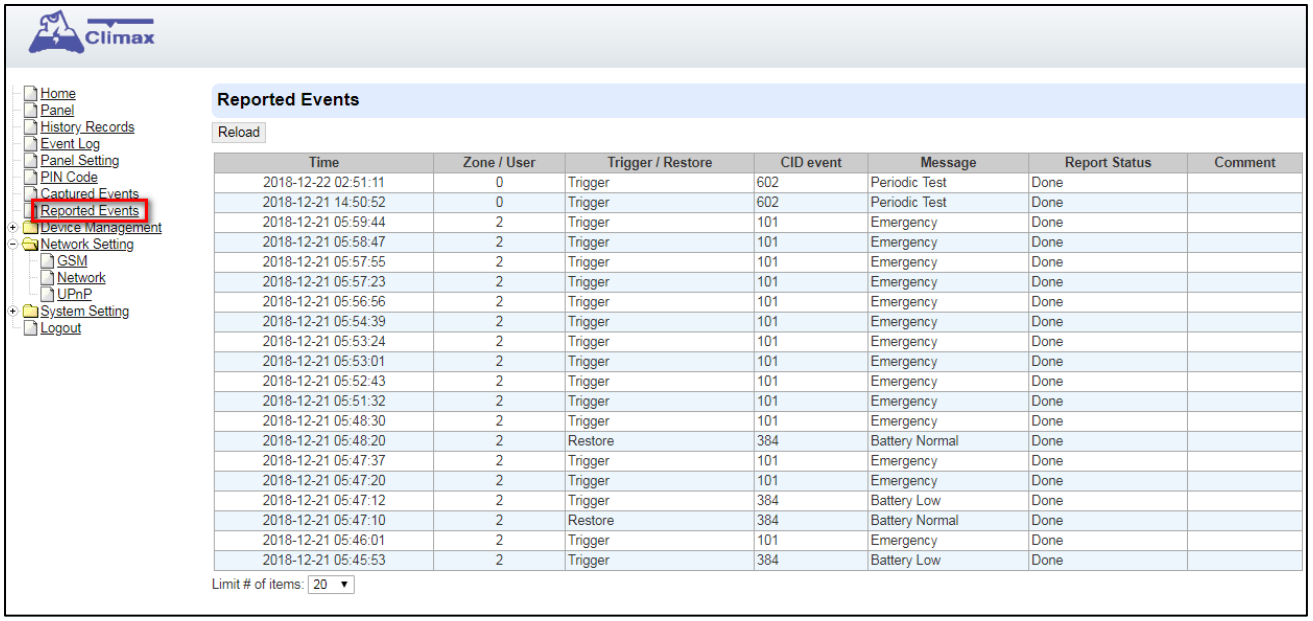


- **Reload :** Click to refresh the page content

Limit # of Items: Click the drop down menu on the page to select the number of captured events you want to display.

8.2 Reported Events

This page stores all triggered events by the control panel by recording the events' CID event code and report status.

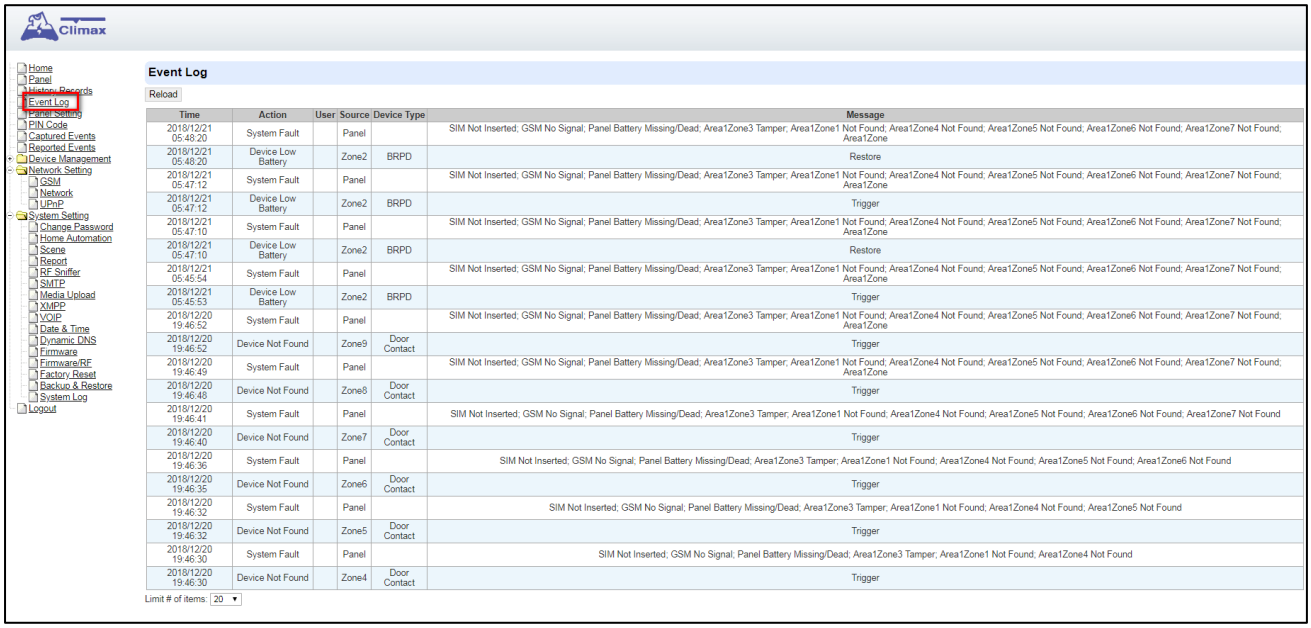


- **Reload :** Click to refresh the page content

Limit # of Items: Click the drop down menu on the page to select the number of reported events you want to display.

8.3 Event Log

The Event Log page records specific actions performed by the Control Panel and accessory devices.



Time	Action	User	Source	Device Type	Message
2018/12/21 05:48:20	System Fault		Panel		SIM Not Inserted; GSM No Signal; Panel Battery Missing/Dead; Area1Zone3 Tamper; Area1Zone1 Not Found; Area1Zone4 Not Found; Area1Zone5 Not Found; Area1Zone6 Not Found; Area1Zone7 Not Found; Area1Zone
2018/12/21 05:48:20	Device Low Battery		Zone2	BRPD	Restore
2018/12/21 05:47:12	System Fault		Panel		SIM Not Inserted; GSM No Signal; Panel Battery Missing/Dead; Area1Zone3 Tamper; Area1Zone1 Not Found; Area1Zone4 Not Found; Area1Zone5 Not Found; Area1Zone6 Not Found; Area1Zone7 Not Found; Area1Zone
2018/12/21 05:47:12	Device Low Battery		Zone2	BRPD	Trigger
2018/12/21 05:47:10	System Fault		Panel		SIM Not Inserted; GSM No Signal; Panel Battery Missing/Dead; Area1Zone3 Tamper; Area1Zone1 Not Found; Area1Zone4 Not Found; Area1Zone5 Not Found; Area1Zone6 Not Found; Area1Zone7 Not Found; Area1Zone
2018/12/21 05:47:10	Device Low Battery		Zone2	BRPD	Restore
2018/12/21 05:45:54	System Fault		Panel		SIM Not Inserted; GSM No Signal; Panel Battery Missing/Dead; Area1Zone3 Tamper; Area1Zone1 Not Found; Area1Zone4 Not Found; Area1Zone5 Not Found; Area1Zone6 Not Found; Area1Zone7 Not Found; Area1Zone
2018/12/21 05:45:53	Device Low Battery		Zone2	BRPD	Trigger
2018/12/20 19:46:52	System Fault		Panel		SIM Not Inserted; GSM No Signal; Panel Battery Missing/Dead; Area1Zone3 Tamper; Area1Zone1 Not Found; Area1Zone4 Not Found; Area1Zone5 Not Found; Area1Zone6 Not Found; Area1Zone7 Not Found; Area1Zone
2018/12/20 19:46:52	Device Not Found		Zone9	Door Contact	Trigger
2018/12/20 19:46:49	System Fault		Panel		SIM Not Inserted; GSM No Signal; Panel Battery Missing/Dead; Area1Zone3 Tamper; Area1Zone1 Not Found; Area1Zone4 Not Found; Area1Zone5 Not Found; Area1Zone6 Not Found; Area1Zone7 Not Found; Area1Zone
2018/12/20 19:46:48	Device Not Found		Zone8	Door Contact	Trigger
2018/12/20 19:46:41	System Fault		Panel		SIM Not Inserted; GSM No Signal; Panel Battery Missing/Dead; Area1Zone3 Tamper; Area1Zone1 Not Found; Area1Zone4 Not Found; Area1Zone5 Not Found; Area1Zone6 Not Found; Area1Zone7 Not Found
2018/12/20 19:46:40	Device Not Found		Zone7	Door Contact	Trigger
2018/12/20 19:46:36	System Fault		Panel		SIM Not Inserted; GSM No Signal; Panel Battery Missing/Dead; Area1Zone3 Tamper; Area1Zone1 Not Found; Area1Zone4 Not Found; Area1Zone5 Not Found; Area1Zone6 Not Found
2018/12/20 19:46:35	Device Not Found		Zone6	Door Contact	Trigger
2018/12/20 19:46:32	System Fault		Panel		SIM Not Inserted; GSM No Signal; Panel Battery Missing/Dead; Area1Zone3 Tamper; Area1Zone1 Not Found; Area1Zone4 Not Found; Area1Zone5 Not Found
2018/12/20 19:46:32	Device Not Found		Zone5	Door Contact	Trigger
2018/12/20 19:46:30	System Fault		Panel		SIM Not Inserted; GSM No Signal; Panel Battery Missing/Dead; Area1Zone3 Tamper; Area1Zone1 Not Found; Area1Zone4 Not Found
2018/12/20 19:46:30	Device Not Found		Zone4	Door Contact	Trigger

- **Reload :** Click to refresh the page content
- **Limit # of Items:** Click the drop down menu on the page to select the number of actions you want to display.

9 Appendix

9.1 Help Arrive Mode

The Help Arrive function allows the CMS to monitor the progress of an alarm event and response of help personnel after an alarm reported. To use this function, you should first enable Help Arrive function in Control Panel setting.
The Help Arrive function operates according to following steps:

1: Entering Help Arrive Modes

The panel will enter Help Arrive Mode and begin a 15-minute Help Arrive Timer countdown when:
1) An alarm is triggered and reporting is complete.
2) The Green Reset button is pressed for three times.

If Help Arrive Indication is enabled, the Red Backlight will turn steady on during this time. If the Help Arrival Mode is not terminated by help personnel/nurse within 15 minutes, the Control Panel will report the alarm event again and restart counting down the 15-minute time. The panel will countdown the 15-minute timer and reset alarm report for up to 4 times (for a total of 60 minutes) before stop retrying and return to idle mode.

<NOTE>

- ☞ If the option “Callback Timer” is enabled, call back option is always available during Help Arrive Mode (and the Green Backlight will flash for the duration if Callback Indication is enabled).
- ☞ If the option “**Reset with DTMF (0)**” is enabled, pressing DTMF 0 on the caller handset during a communication established in Help Arrive Mode will also terminate Help Arrive Mode.
- ☞ Pressing the Green Reset button for three times during Help Arrival Mode will terminate Help Arrival Mode.

2: Help Arrival

Upon arrival, the nurse can determine the response according to different situation:

2-1 Patient needs help / Nurse begins treatment.

If the patient is in need of help/treatment, the nurse should press the Green Reset button **once** to send a report that he has arrived at patient’s location and has begun to help the patient. The Control Panel will play the voice prompt “Nurse Arrived”. The Help Arrive Timer will continue to count down.

2-2 Patient has no danger.

If the nurse determines that the patient has no danger and does not need treatment or help, he should press the Green Reset button **twice quickly** to send a report that patient does not need

help and the case is closed. The Control Panel will stop counting down the Help Arrive Timer and return to idle mode.

3: Patient Treatment

After the nurse begins treatment (pressing Green Reset button once), depending on patient condition, he may choose to end the case or call further help

3-1 Nurse needs help

If the nurse determines that the patient needs more help, he can press the Red Help button again to send report that more help is needed. The Help Arrive Timer will continue to count down.

3-2 Patient has no danger.

If the nurse determines that the patient has no danger and does not need treatment or help, he should press the Green Reset button **twice quickly** to send a report that patient does not need help and the case is closed. The Control Panel will stop counting down the Help Arrive Timer and return to idle mode.

3-3 Treatment complete

When the nurse finishes treatment on the patient, he can press the Green Reset button one more time to send report that his work is complete and the case is closed. The Control Panel will play the voice prompt “Nurse Job Complete”, stop counting down the Help Arrive Timer and return to idle mode.

9.2 Voice Prompt

The Control Panel plays voice prompts on important occasions to report its condition or remind you to take a specific action. Information on voice prompts is provided in the chart below.

No	Voice Prompt	Condition
1	Emergency call was pressed.	Played once after pressing the Red Help Button on the Control Panel, Active Button on Panic Button, WTR, Fall Sensor or DECT device.
2	Help call in progress	Played once every 2-3 seconds during guard time
3	Help call cancelled	Played twice when the green reset button is pressed during guard time
4	Alarm received. Please stand by.	Played once upon successful report
5	Line problem. Check line connection.	Played twice when there is a line problem
6	Line connection restored	Played once when the Ethernet connection is restored
7	Power failure. Check power cord.	Played twice when a power failure takes place
8	Power restored	Played once when power is restored.
9	Inactivity timer expiring. Please reset.	Played once every 5 minutes during Warning Period (default 30 minutes). After Warning Period, the Control Panel will start reporting.
10	A fall has been detected.	Played once when a fall sensor is triggered.
11	Fall detection has restored. Cancelling help call.	Played after the reception of a fall sensor’s cancel code.
12	Please wait for the call back.	Played when the system enters the Call-Back mode.
13	Nurse arrived	Nurse arrived.
14	Nurse job completed	Nurse job completed.
15	You have forgotten to take your pill	Played once when the dosage is not dispensed by Pill Dispenser after the schedule-dosage event.
16	GSM signal (1 - 5)	Played for 1 minute when the Green Reset Button is pressed and held for 3 seconds in idle/normal mode to announce GSM signal strength.

9.3 SIA Digital Communication Standard

Please refer to the document “SIA Digital Communication Standard – Internet Protocol Event Reporting (ANSI/SIA DC-09-2012A)” published by the Security Industry Association for details. An example of an event reported in the SIA/CID format is as follows:

<0A><61><A4>004D"ADM-CID"0033L0#9999[#9999|1100 00 000][X121E35.057831][Y25N03.900375][P2772]<0D>

Where:

- “ADM-CID” means that the content of this message is in the CID format.
- 0033 for <seq>
- L0 for <Lpref>
- #9999[#9999|1100 00 000]
- 9999 = account number
- 1100 00 000 = CID data (QXYZGGCCC)
- [X...] and [Y...] are location data.
- [P...] stands for the margin of error of cell location.

9.4 CID Event Code

- **(Alarm) 100 – Control Panel Emergency**
  - When the Red Help button is pressed (“Help Event” set as 100).
- **(Alarm) 101 – Personal Emergency**
  - When Wrist Transmitter/Emergency Pendant (WTR)/Fall Sensor/Panic Button is pressed.
  - When the Red Help button is pressed (“Help Event” set as 101).
- **(Alarm) 102 – Fall Sensor Detection**
  - When a fall is detected from the learnt-in Fall Sensor.
- **(Fire) 110 – Fire Emergency**
  - When a device set to Fire attribute is triggered.
- **(Fire) 111 – Smoke Emergency**
  - When Smoke Detector (SD) is triggered.
- **(Alarm) 114 – Heat Emergency**
  - When Heat Detector (HD) is triggered.
- **(Alarm) 120 – Panic**
  - When the Red Help button is pressed (“Help Event” set as 120).
- **(Alarm) 122 – Silent Panic**
  - When a device set to Silent Panic is pressed.
- **(Alarm) 130 – Burglar**
  - Whenever a device set as Burglar Alarm is triggered.
- **(Alarm) 133 – Burglar (24H)**
  - Whenever a device set as 24H Burglar Alarm is triggered.
- **(Alarm) 136 – Burglar Outdoor**
  - Whenever a device set at Burglar Outdoor is triggered.
- **(Alarm) 137 – Panel Tamper/ Panel Tamper Restore**
  - When the panel’s tamper protection is triggered.
  - When the panel’s tamper function is restored.
- **(Status) 147 – Supervisory Failure – Sensor**
  - When the Control Panel is unable to receive a signal transmitted from a sensor for a period preset by the supervision timer.
- **(Alarm) 151 – Gas Emergency**
  - When gas alarm is triggered.
- **(Alarm) 154 – Water Emergency**
  - When Water Sensor (WS) is triggered.
- **(Status) 158 – High Temperature Alarm**

- When high temperature alarm is triggered.

- **(Status) 159 – Low Temperature Alarm**
  - When low temperature alarm is triggered.
- **(Alarm) 162 – Carbon Monoxide Emergency**
  - When Carbon Monoxide Detector (CO) is triggered.
- **(Alarm) 170 – High Power Consumption**
  - When high power consumption alarm is triggered.
- **(Alarm) 171 – High Humidity Alarm**
  - When high humidity alarm is triggered.
- **(Alarm) 172 – Low Humidity Alarm**
  - When low humidity alarm is triggered.
- **(Status) 301 – Panel AC Failure**
  - When the Control Panel's AC power failure time exceeds set AC Fail Report period.
- **(Status) 302 – Panel Low in Battery**
  - When the Control Panel is low in battery.
- **(Status) 311 – Panel Battery Disconnected**
  - When the Control Panel's battery is not connected.
- **(Status) 344 – Jamming Detected**
  - When the Control Panel detects a jamming condition.
- **(Status) 380 – Device AC Failure**
  - When an AC power device loses AC power connection.
- **(Status) 383 – Device Tamper/ Device Tamper Restore**
  - When any device's tamper protection is triggered.
  - When the device's tamper function is restored.
- **(Status) 384 – Device Low in Battery**
  - When a device is low in battery.
- **(Status) 465 – Panic Alarm Reset**
  - When panic alarm has been reset.
- **(Status) 389 – Calibration Failure**
  - When calibration fails.
- **(Status) 602 – Auto Check-In Report**
  - When the Control Panel makes an auto check-in report to the CMS.
- **(Status) 616 – Call Request**
  - When a call request has been made.
- **(Alarm) 641 – Inactivity**
  - When the Control panel makes an inactivity timer expired report.

- **(Alarm) 660 – Moving outside of the room/Moving into the room**
  - When Wandering Prevention Door Contact (WADC-1) detects that the user opens the door, moving from inside of the room to the outside (1-660 with event qualifier “1”).
  - When Wandering Prevention Door Contact (WADC-1) detects that the user opens the door, moving from the outside into the room (3-660 with event qualifier “3”).
- **(Alarm) 661 – Nurse or Help Has Arrived/Nurse’s Job Completed**

  After Help Arrive Mode has been activated:
  - The first press on the Green Reset button upon nurse arrival will send report that a nurse or help has arrived (1-661 with event qualifier “1”).
  - The second press on the Green Reset button after sending previous report (1-661) will send report that the nurse’s job has been completed (3-661 with event qualifier “3”).
- **(Alarm) 662 – Help Still Needed**

  After Help Arrive Mode has been activated and help has arrived (1-661 reported)
  - When the Red Help Button is pressed to signal that help is still needed.
- **(Alarm) 663 – Case Closed by the Nurse**

  After Help Arrive Mode has been activated:
  - When the Green Reset button is pressed twice quickly to signal that the nurse closes the emergency case because the user has no danger.
  - When DTMF 9 is pressed during Callback in Help Arrived Mode while the option is enabled.
- **(Status) 665 – Inactivity check in/out**
  - When Inactivity monitoring function is turned on/off/.
- **(Status) 705 – Medication Taken**
  - When the dosage is dispensed by Pill Dispenser.
- **(Status) 706 – Medication Not Taken**
  - When the dosage is not dispensed by Pill Dispenser after the schedule-dosage event.
- **(Status) 707 – Dispenser's Tray Stuck**
  - When Pill Dispenser’s tray is stuck.
- **(Status) 708 – Dispenser upside down**
  - When Pill Dispenser is upside down.
- **(Alarm) 731 – for Refrigerator Zone**
  - Door Contact is triggered when the refrigerator is left open for too long.
- **(Status) 732 – for Wanderer Zone**
  - Door Contact is triggered when PIR is not triggered.
- **(Status) 733 – for Not Back in Bed Zone**
  - When Door Contact is triggered if Pressure Detector is not restored
- **(Status) 734 – for Not Up from Bed Zone**

- When Door Contact is triggered if the Pressure Detector is not triggered within the scheduled time period.

- **(Alarm) 735 – for Epilepsy Zone**
  - When Door Contact is triggered when an epilepsy event is detected.
- **(Status) 759 – Motion detection by CGMS**
  - When Caregiver Motion Sensor detects motion.

CID/SCAIP Event Code Table

Action(1)/ Restore(3)	Event code	Device-type	Status-code	Location code	Voice
1	100	2	10	-	Yes
1	101	3, 50	10	-	Yes
1	102	5	9	-	Yes
1/3	110	47	9/3009	-	Yes/No
1/3	111	23	9/93	-	Yes/No
1/3	114	25	9/3009	-	Yes/No
1	120	5	10	-	Yes
1	122	10,14,21,23,25,26,33[1]	10	-	Yes
1	130	28	9	-	Yes
1	133	28	6	-	Yes
1	136	14	6	-	Yes
1/3	147	3,5,10,14,21,23,25,26, 33[2],50	123/124	-	No
1/3	151	21	9/3009	-	Yes/No
1/3	154	33	9/93	-	Yes/No
1	158	20	100	-	Yes
1	159	20	101	-	Yes
1/3	162	26	9/93	-	Yes/N
1/3	301	2	85/86	-	No
1/3	302	2	16/15	-	No

[1] For Device Type **10(PIR/EIR), 14(DC/DC-15), 21(GAS), 23(SD), 25(HD), 26(CO), 33(WS),** Status Code is **10**.

[2] For Device Type **10(PIR/EIR), 14(DC/DC-15), 21(GAS), 23(SD), 25(HD), 26(CO), 33(WS),** Status Code is **123** or **124**.

Action(1)/ Restore(3)	Event code	Device-type	Status-code	Location code	Voice
1/3	311	2	14/15	-	No
1/3	344	2	95/94	-	No
1/3	380	50	85/86	-	No
1/3	383	10, 14[3]	125/3125	-	No
1/3	384	3,5,10,14,21,23,25,26, 33,50[4]	16/15	-	No
1/3	389	21,23,25,26,	32/3000	-	No
1	602	2	102	-	No
1/3	641	2	119/93	-	No
1/3	660	14	111/121	-	No
1/3	661	2	88/3088	-	No
1	662	2	6	-	Yes
1	663	2	97	-	No
1/3	665	2	111/121	-	No
1	705	11	83	-	No
1	706	11	81	-	No
1/3	707	11	67/94	-	No
1/3	708	11	105/3105	-	No
1	731	14	77	21	Yes
1	732	15	39	3	No
1/3	733	12	3/3003	21	No
1	734	12	07	12	No
1	735	17	07	12	Yes
1/3	736	12	03/3003	21	Yes/No
1/3	753	14	76/21	0	No
1/3	755	10	6/92	0	No
1	759	101	6	-6	No

[3] For Device Type **10**(**PIR/EIR)** and **14(DC/DC-15),** Status Code is **125** or **3125**.
[4] For Device Type **3(WTR/RC)**, **5(Fall)**, **10**(**PIR/EIR), 14(DC/DC-15), 21(GAS), 23(SD), 25(HD), 26(CO), 33(WS), 50(Other),** Status Code is **16** or **15**.

<<NOTE>

☞ All Device Type: please refer to the following information to identify the device type being triggered:

- **2 for Local Unit & Controller**
- **3 for WTR/RC/Panel Button/BRPD**
- **5 for Fall**
- **10 for PIR/EIR**
- **11 for Pill Dispenser**
- **12 for Bed Monitor**
- **17 for Epilepsy Detector**
- **14 for DC/DC-15**
- **15 for WADC**
- **20 for Environmental Monitor**
- **21 for GAS**
- **23 for SD**
- **25 for HD**
- **26 for CO**
- **28 for Intruder Detector**
- **33 for WS**
- **47 for Fire Alarm System**
- **101 for CGMS**
- **50 for other type of sensors**

9.5 Alarm Session and Call Setup Methods for SCAIP Report

When SCAIP report is successful, two-way communication can be set up with the following two methods:

1) Normal Outgoing Call

After receiving SCAIP report, server will set up an outgoing call to a pre-defined receiver according to the callhandling reply setting of server response.

- If the callhandling-reply item (cre) is set as **<cre> 61</cre>**:
  Server will automatically set up a voice call to the GSM telephone number defined in the SCAIP reporting url.
  <Reporting URL example>:
  164565:scaipclimax@59.124.230.221:5060/gsm:886922123456

- If the callhandling-reply item (cre) is set as **<cre>62</cre>**:
  Server will automatically set up a voice call to the transferred number defined in the transferred-number item (tnu), for example <tnu>gsm:+46701445566</tnu>.
  <Reporting URL example>:
  164565:scaipclimax62@59.124.230.221:5060

2) Callback Request

After receiving SCAIP report, server will call back to the alarm sender according to the callhandling reply setting of server response. When the callhandling-reply item (cre) is set as **<cre>nn</cre>, nn=01~60**:

- Server will call back in nn minutes. The alarm receiver needs to have registered the valid sender Telephone number or the number or identity contained in the <crd>gsm: telephone number</crd> or <crd>sip:ip address</crd>.
  <Reporting URL example>:
  164565:scaipclimaxcb@59.124.230.221:5060

<NOTE>

☞ <crd>gsm:telephone number</crd> needs to be defined in the **Telephone** field in **Network Setting – GSM** webpage.

☞ For <crd>sip:ip address</crd>, users need to enter VOIP SIP settings in **System Setting - VOIP** webpage, and get registered at VOIP Server.

9.6 SMS Programming (Only GX-(MAX)8 series)

You can do SMS remote programming via a mobile phone.

SMS Remote Programming via a Mobile Phone

<NOTE>

☞ Please change the language setting of your mobile phone to English before you proceed with SMS remote programming.

Step 1. Enter the SMS screen on your mobile phone or smartphone.
Step 2. Enter the programming command (see the SMS remote programming commands tables below).
Step 3. Enter a colon (**:**).
Step 4. Enter SMS Keyword (default is **PROG**).
Step 5. Enter a comma (**,**).
Step 6. Enter the Access Code (default is **7982**).
Step 7. Enter a comma (**,**).
Step 8. Enter the parameter(s).
Step 9. The composition of the command is completed. You can send the command to the GX-(MAX) system now.

Example: To set 720 minutes for the supervision timer, you can send the following command:

SUPPR:PROG,7982,720		
SUPPR	=	Programming command
:	=	Colon
PROG	=	SMS Keyword
,	=	Comma
7982	=	Access Code
,	=	Comma
720	=	Programmed parameter

SMS Remote Programming Commands Table

Item	Command	Example & Usage	Default
GPRS APN, username & password	APN	APN:PROG,7982,internet,, To set GPRS APN, username and password (31 characters max. for APN, 31 characters max. for username, 31 characters max. for password)	--
Report settings	RPT	RPT:PROG,7982,1,voice://0987654321,1,0 To configure report settings (index number, report destination, group, and event filter). Refer to **7.4 Report** for details. Index number: 1-20 Report destination: Depends on the selected reporting format (type). Group number: 1-5 Event filter: 0 = all event, 1 = alarm event, 3 = status event In the example above, the report index number is 1 with the reporting destination at voice://0987654321(Voice via GSM); report priority is Group1 with report condition as all event.	--
Checking the Control Panel	ECHO	ECHO:PROG,7982 To check whether the Control Panel can respond properly	--
Rebooting the Control Panel	RESET	RESET:PROG,7982 To reboot the Control Panel	--
Keyword setting	KEYWD	KEYWD:PROG,7982,IPOG To set the keyword 15 characters max. for the keyword	--
Access Code	ACCES	ACCES:PROG,7982,1234 Parameter 1: Access Code: maximum of 8 numeric digits	--
Auto check-in reports	TESTC	TESTC:PROG,7982,720,60 To configure the settings of auto check-in reports (interval: __ minutes, offset time: __ minutes) Interval: 0 = disable, 60 = 1 hr, 120 = 2 hr, 180 = 3 hr, 240 = 4 hr, 360 = 6 hr, 480 = 8 hr, 720 = 12 hr, 1440 = 1 day, 2880 = 2 days, 4320 = 3 days, 5760 = 4 days, 7200 = 5 days, 8640 = 6 days, 10080 = 1 week, 20160 = 2 week, 30240 = 3 week, 40320 = 4 week Offset time: 60 = 1 hr, 120 = 2 hr, 180 = 3 hr, 240 = 4 hr, 360 = 6 hr, 480= 8 hr, 720 = 12 hr	--
Supervision	SUPPR	SUPPR:PROG,7982,1,720 To set the supervision timer and supervision check Parameter 1: supervision check 0 or 1 Parameter 2: supervision timer: 0 = disable, 240 = 4 hr, 300 = 5 hr, 360 = 6 hr, 480 = 8 hr, 720 = 12 hr, 1440 = 24hr	--
Factory reset	FTSET	FTSET:PROG,7982,0,1 To execute a factory reset Parameter 1: Keep NET configurations (1 = keep; 0 = Not Keep) Parameter 2: Keep all devices and their programmed attributes (1 = keep; 0 = Not Keep)	--
Remote Firmware Update	FWUG	FWUG:PROG,7982,N,0.0.15B,192.168.0.105:53038/GX8_oz-0.0.15B.bin,aa3480a1e540999b7de78ab07aea3cd5 Parameter 1:Update module, N:Net, A:RF/51 Parameter 2:Firmware version Parameter 3:Firmware download path Parameter 4:Firmware MD5	--
Request Firmware Version	FMG	FMG:PROG,7982 The panel will send back current firmware version info.	--
Switch DECT during Two-way communication	DECT	DECT:PROG,7982,VF:31 To choose the DECT device to switch to during two-way communication. Parameter: VF:31 = DECT1, VF:32 = DECT2, VF:33 = DECT3, VF:34 = DECT4, 0 = GX Panel	--

Item	Command	Example & Usage	Default
Add Device using Sensor ID	DEVAD	DEVAD:PROG,1111,3,123456789a,bedroom To add a device of a particular zone using Sensor ID. Parameter 1: Device zone number Parameter 2: The Sensor ID in ASCII HEX (hexadecimal code that includes 1-9, A, B, C, D, E and F) 10 digit. Parameter 3 (optional): Name: the sensor name (maximum 10 letters) The Sensor ID is shown on the label of the device. Example: If the Sensor ID is “A2B4561234”, assuming the device is learnt into zone 3 and the device location is in “Kitchen”, the programming command would be **DEVAD:PROG,1111,3,A2B4561234,Kitchen**	--
Setup Caller ID	CALID	CALID:PROG,1111,1,0227942014 Parameter 1: Select Caller ID: 1= ID #1, 2 = ID #2, 3 = ID #3, 4 = ID #4, 5= ID #5, 6 = ID #6, 7 = ID #7, 8 = ID #8, 9= ID #9, 10= ID #10 Parameter 2: Caller ID number: Enter the caller ID number	--