

# GeoAlarm Smart Home Security System

## User Manual (GEO-CP Panel)



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## Quick Start

### Installation

Unbox the panel and individual sensors. Remove the back panel. Plug in the 12 V DC mini-USB power cord to the DC input. Replace the back panel with the power cord placed in the cut out. Install the stand or use the wall mount.

### Guided Setup

The first time the panel boots it will guide you through the basic installation process. WiFi Network  
Select the WiFi network and enter the WiFi password.

### Master PIN

Enter the master PIN code for the panel. This PIN will be required to make settings changes. It can also be used to arm/disarm the panel. Keep this PIN safe and use something difficult to guess.

### Panel Location

Select the floor and room that best describes the panel will be installed.

### Device Installation

Install the first device. Select the device type, then follow the on-screen instructions to trigger and install the device. Repeat the process for additional devices. Press 'Finish' to complete device installation.

## Arming

From the home screen, the panel will show if the system is ready to arm or if doors and windows are open.

### Staying / Arming Stay

Pressing the "Staying" button arms the system immediately in "Staying" mode to protect you while you're in the home. External doors and windows will be armed.

### Leaving / Arming Away

Pressing the “Leaving” button arms the system after an exit duration. This would be used to protect the home while you are away. During the exit duration one or more devices must be triggered or the system will fall back to “Staying”.

### Bypass and Arm

By default, the system cannot be armed with doors or windows open. If you attempt to arm the system with open door or window sensors, then “Bypass and Arm” will allow you to proceed.

### Disarming

To disarm the system, press Disarm and enter a valid passcode.

### Emergency

In case of emergency, press the SOS button at the bottom-right of the panel. Select the emergency call type: Police, Medical, or Fire. You will be asked to confirm or cancel.

## Operation

### Panel LED

The panel LED will show the 'Ready to Arm' status of the system:

Green – Ready to Arm

Yellow – Not ready to arm due to issues

Red – Armed

Press the panel LED or home button to return to the home page.

### Arming Issues

The panel will report device issues on the home screen. The following issues are most common:

1. Door or window left open
2. Sensor tamper
3. Sensor loss of connectivity
4. Low battery warning

The best practice is to resolve these issues before arming the system. By default, the system will allow the user to bypass these issues and arm the system. The setting can be changed in Settings > Arming > Staying/Leaving > Bypass Arm. Alternatively, devices can be deactivated until the issue can be resolved.

### Panel Functions

#### Volume

Adjust the panel volume from 0 - 100%.

#### Brightness

Adjust the panel brightness from 0 - 100%

#### Clean Screen

Disable the panel touch screen for 30 seconds to allow for cleaning.

### Devices

View and edit devices by group or all devices.

### Rooms

View and edit devices by room.

### Camera

The panel supports integration with one or more cameras. After integrating one or more cameras, they will be visible on the Cameras tab. Previous camera recordings are available on the event tab.

#### Live Camera Interaction

You can view the live camera by selecting a camera. A doorbell press (default) or motion event (non-default) can also start a live camera interaction. You can optionally enable two-way audio by pressing

the green microphone or use voice messages by pressing the three-dot menu in the lower right of the screen. Voice messages include:

1. Leave package Page 5
2. May I help you?
3. I'll be right there
4. Call Police

You can hang up the video call with the red phone button.

### Doorbell Operation

When a guest arrives at the door and rings the doorbell then the panel automatically answers and performs a live camera interaction for 30 seconds, or while you're continuing to interact with the panel. Two-way voice is enabled by default for doorbell press events. Motion activation events are disabled by default for doorbells.

### Cameras

Each camera shows a thumbnail and location. View the camera's live stream by clicking on one of the cameras.

### Events

Video recording thumbnails are displayed on the Events tab, along with date, location, and event (Button Press, Motion Detected). Scroll to the right to see older events. Click the video recording to view the video.

### History

Panel activity is shown on the History tab. Activity will include sensors operation, arming events, panel faults, and alarms; the history can be filtered by these types of activities.

## Settings

### User

In addition to the “master” user, additional users can be added to the panel. Panel users can be related to online users for use with the mobile application;

### User Types

When new users are created, they can be:

- Member: Full access rights to the panel; for example, a family member.
- Scheduled: Arm/Disarm during scheduled times; for example, a housekeeper.
- Temporary: Arm/Disarm between a start and end date; for example, a house guest.

### Hostage

The panel has a “Hostage” user in case a user is asked to enter the password under duress. Simply enter the passcode for the Hostage user to enable the feature. In a disarming event, if the Hostage passcode is used then it triggers a silent alarm to dispatch security.

### Emergency Device

If your system included an Emergency Device (Medical pendant or watch) then it should be associated with a panel user.

### Devices

A variety of devices exist, including door and window sensors, motion detectors, key fobs, emergency devices, flood detectors, and glass break detectors. Device settings typically have common settings, as shown below. Not all devices have all options.

Setting	Description	Range	Factory Setting
Custom Name	Provide a custom name for the device to be shown on the panel screen.		
Location	Allows the user to select a location of the sensor, including floor and room.	Room Location	
Alarm Delay	Entry Delay: Set the number of seconds following an alarm event before triggering an alarm. For example, how much time should elapse before entering the Front Entry Door before triggering an alarm? Instant: • Report Only: Only log the event, don't trigger an alarm. • Alarm: When armed, trigger an alarm instantly for this device.	30-240 Seconds	30 Seconds (door/window) Follower (motion)

	<ul style="list-style-type: none"> <li>• Follower: Sets this device as an internal sensor; armed in Leaving, disarmed in Staying mode.</li> </ul> <p>24 Hr Alarm: The device will always be active regardless of arming status; alarms will be triggered immediately if the sensor is violated.</p>		
Voice	Enable or disable voice announcements for this sensor.	On/Off	On
Chime	Enable or disable voice a chime for this sensor.	On/Off	On
Signal	Shows the signal strength from the panel to the device.		
About	Show internal diagnostic information including serial number and firmware version		
Delete	Remove the sensor		

## Doorbell Options

If you have a doorbell installed with your system, the following options are specific to the doorbell:

Ring Panel	When the doorbell is pressed, a chime plays on the doorbell.	On/Off	On
Video & Image >> Image Quality	The video quality used for recording.	1080p or 720p	1080p
Video & Image >> Timestamp	Overlay a timestamp on the video recording.	On/Off	On
Video & Image >> Avatar	Capture thumbnails to display on the panel	On/Off	On
Doorbell Sound >> Doorbell Chime	Play a chime when someone presses the doorbell.	On/Off	On
Doorbell Sound >> Chime Volume	Adjust the chime volume.	High/Medium/Low	High
Doorbell Sound >> Chime Ringtone	Change the chime ringtone. This is useful if you have multiple doorbells and want distinguish between them audibly.	Tone 1, 2, 3	Tone 1
Doorbell Sound >> Speaker Volume	Adjust the speaker volume on the doorbell.	High/Medium/Low	Medium
Doorbell Sound >> Siren	In an alarm event, play the siren on the doorbell.	On/Off	On
External Chime >> Status	Signal an external chime to play. Typically if the doorbell is replacing a working doorbell, you may want the existing doorbell to chime.	On/Off	On
External Chime >> Type	The type of external chime used. For older doorbells use 'Standard'	Standard/Digital	
Button LED >> LED	The doorbell has white LED around the button. This LED can be turned off.	On/Off	On

Button LED >> Brightness	Adjust the brightness of the LED.	High/Medium/Low	High
Motion Detection >> Status	Enable or disable motion detection on the doorbell. With motion detection on, motion events will be captured and available for view on the app. The doorbell uses intelligent motion detection that should only capture people, not cars or trees or other motion.	On/Off	Off
Motion Detection >> Sensitivity	Sensitivity adjusts the range of the motion detection. High/Medium/Low adjusts the distance. If you are getting unwanted motion detection events, try adjusting the sensitivity down. For example, if you have sidewalk traffic, but only want to capture people who approach the house, try turning down the sensitivity. If your home network changes or if the password is updated, then you'll need to update the WiFi username and password to the panel and the doorbell. After the panel WiFi is set, use the 'Change WiFi' option to update the WiFi on the doorbell. Press the "Change WiFi" and follow the instructions on the screen.	High/Medium/Low	Medium
Change WiFi			

## Arming

The panel arming settings can be customized. The settings can be different for Staying or Leaving, but the setting behavior is the same.

Setting	Description	Range	Factory Setting
Bypass Arm	Allow the system to be armed if one or more devices has a fault. For example, allow the system to be armed while a window is open.	On/Off	On
Voice Announce	Enable or disable voice announcements while the system is armed.	On/Off	On



Beep Countdown	Enable or disable an audible beep while the system is arming.	On/Off	Off
Time to Exit	Set the time the user has to exit the premises before the alarm is enabled.	0-120 Seconds in 15 second intervals	0 Seconds
Arm Passcode	Require a passcode to arm the system.	On/Off	Off
Disarm Passcode	Require a passcode to disarm the system. Note: This is only available on Staying.	On/Off	On

## Services

This is currently unused.

## Auto Arm

Create scheduling rules to automatically arm or disarm your security system. Create rules for arm stay, arm away, or disarm. Select the days of the week and the time of the day. Different rules are required for each operation (Stay, Away, Disarm).

## Network

### Cellular

View the status of the panel's cellular connection, including signal and network.

### Wifi

View or edit the current Wifi used by the panel.

### Ethernet

A USB-C ethernet adapter (not included) may be used to connect the panel to a new work via an ethernet connection.

## Test

A variety of system tests are provided to help diagnose any issues. The Sensor test would be the most common test; testing the communication between the panel and each sensor.

## Security

Setting	Description	Range	Factory Setting
Smart Arm	The panel can automatically enter into Armed Away mode if the motion sensors haven't been triggered during the preset times. Note: This feature requires one or more motion sensors.	On/Off	Off
Transmission Delay	The abort window for non-fire alarms. During this time the alarm will sound and the alarm will be annunciated but monitoring services will not be triggered until the transmission delay has elapsed.	0, 15, 30, 45 second delay	30 Seconds
Siren Timeout	The duration that the siren will sound during an alarm event.	1-10 Minutes	4 Minutes
Swinger	Swinger shutdown is a false alarm prevention setting that prevents the alarm on the panel from repeatedly going off from the same sensor or room. For example, if a single door is open and closed multiple times then the panel will only sound X alarms, where X is the shutdown setting. Note: This setting does not affect calls to security monitoring.	1-5x Shutdown	2x Shutdown
Intellizone	When enabled, the alarm will be triggered when two sensors are violated and the second sensor isn't a follower; or if the same sensors is violated, restored, the violated again.	On/Off	Off
Smart Alarm	A door/window sensor and motion sensor can be grouped in a room. When enabled, a motion center event would precede a door/window event otherwise an alarm would be triggered. For example in Staying (Armed Stay) mode opening a window from inside would be allowed (if there was a motion sensor) but not be allowed from outside.	On/Off	Off
Exit Restart	By default, the panel will restart the exit time if the entry/exit sensor or zone is tripped twice prior to the exit. For example, a user arms the system and exits; during that time, they forget their car keys and re-enters; the sensor was tripped twice so the exit timer will restart.	On/Off	On
Unvacated Premises	If the exit time expires and no exit has been made then the system will switch to Armed Stay (Staying) instead of Armed Away (Leaving)	On/Off	On

Keyfob Instant Arming	When set is as 'Enabled' , press the keyfob Stay or Away button , Panel will enter into Armed mode without exit delay.	On/Off	Off
Force Zone	Any open Force Zones at the time of arming will be considered deactivated by the control panel. If during this period a deactivated zone is closed, the control panel will revert that zone to active status. Consequently, the control panel will generate an alarm if the zone is breached.	On/Off	Off
Abort Annunciation	If the alarm system is disarmed within the Abort Window, no alarm transmission will be sent. By default, the alarm system will annunciate that no alarm signal was transmitted.	On/Off	On
Cancel Annunciation	If an alarm has previously been transmitted, a Cancel signal will be transmitted the alarm system is Disarmed during the cancellation window. By default the alarm system will announce the cancelation.	On/Off	On
Tamper	By default the panel will record if the panel has been tampered, including removing the panel stand or back cover.	On/Off	On
G-Sensor	The panel contains an accelerometer to detect changes in panel position. When enabled, if the panel moves while in an Armed Away (Leaving) mode then an alarm will be triggered.	On/Off	Off
Cross-zoning	When cross zoning is enabled, it will require that two separate zone alarms are tripped in a given time before transmitting an alarm.		
Siren Mute	When set is as 'Enabled', if Alarm is triggered, all functions, protocols to server will work as expected but Siren will not ring. After 30 min, the panel should automatically turn on Siren again.	On/Off	Off
CS Signaling > Open/Closing	Enable or disable sending arm/disarm events	On/Off	Off
CS Signaling > System Trouble	Enable or disable system issues like low battery warnings	On/Off	Off
CS Signaling > Zone Trouble	Enable or disable zone issues like tamper, loss of supervision, etc...	On/Off	Off
CS Signaling > Zone Bypass	Enable or disable arming bypass when one or more devices are not closed when system is armed.	On/Off	Off

## Panel

Setting	Description	Range	Factory Setting
Panel Location	The room where the panel is installed.	Room Location	
Screen Timeout	The length of time until the panel shuts off to save energy.	1, 3, 5, 10, 30, 60 Minutes or Never	5 Minutes
Time Format	The time format displayed on the panel.	12 hr / 24 hr	12 hr
Take Picture	Use the panel camera to take a picture of the user for arm/disarm state changes. Note: pictures can be viewed in the history.	On/Off	On
Video Capture	Use the panel camera to take a during alarm events. Note: videos can be viewed in the history.	On/Off	On
Front LED	By default the 'home' button displays a LED status light. This can be disabled.	On/Off	On
Restart Panel	The panel can be restarted.		