

# CP4/CP4S CONFIGURATION TOOL GUIDE v3.6.1

*A jumpstart to video  
telematics  
configuration*



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## Introduction

### 1.0 Welcome to your CP4/CP4S Configuration Guide

This guide aims to inform users of the appropriate processes involved in setting up your SmartWitness CP4/CP4s device.

This step-by-step walkthrough will act as your teacher as you learn our product's layout, functionality, and configuration settings.

You can find an overview of the configuration tool's layout in [section 3.0](#).

The fastest way to find information in this document is through the Table of Contents.

We hope that this training document will remove common end-user pain points involved with the setup process. If you experience any issues with this guide, please lend us your feedback and/or contact our [support](#) teams.

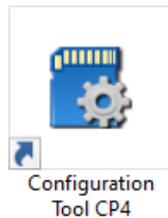
# CP4/CP4S Download & Installation

## 2.0 CP4/CP4S Configuration Tool Installation

**Goal:** Find your configuration wizard and learn about your device's capabilities

### 2.1 Downloading & Installing Your Configuration Tool

Download configuration software [HERE](#).



1. After download, proceed to installation.
2. Open configuration tool, insert your SD Card\*.
3. Click **Initialize SD Card**.
4. Select **SD Card** from preferred internet browser.
5. Click **Start** to initialize.

**Note:** SD cards from SmartWitness (i.e., the SD card included with your CP4S) are already initialized.

\*The maximum size supported for your SD card is 256 GB.

# CP4/CP4S Configuration Tool Layout

## 3.0 Configuration Tool Layout & Settings

**Goal:** Understand your tool's main features

The screenshot shows the Configuration Tool interface with several callouts:

- Settings Tabs designate major areas of configuration:** Points to the tabs: Device, Record, Event, Info, Connectivity, and Server.
- Some settings sub-fields use checkboxes:** Points to the checkboxes for GPS, Speed, Record Text, and Send Health Info.
- Some settings sub-fields use text fields:** Points to the Camera Title fields (CAM1, CAM2, CAM3, CAM4).
- Some settings sub-fields use drop-down selection:** Points to the Driver ID Device (SD Card) and EXT-Device 1/2 Port (None) drop-downs.
- Click 'Open' to load a previously saved configuration:** Points to the Open button.
- Click 'Save' at the end of the configuration process:** Points to the Save button.
- Click 'Close' to exit the configuration tool:** Points to the Eject SD Card button.
- Click 'About' to see configuration tool version information:** Points to the About button.
- Click 'Settings' to change the language and model. At first use, change to "CP4S":** Points to the Settings button.
- Click 'Initialize SD Card' to prepare SD card:** Points to the Initialize SD Card button.

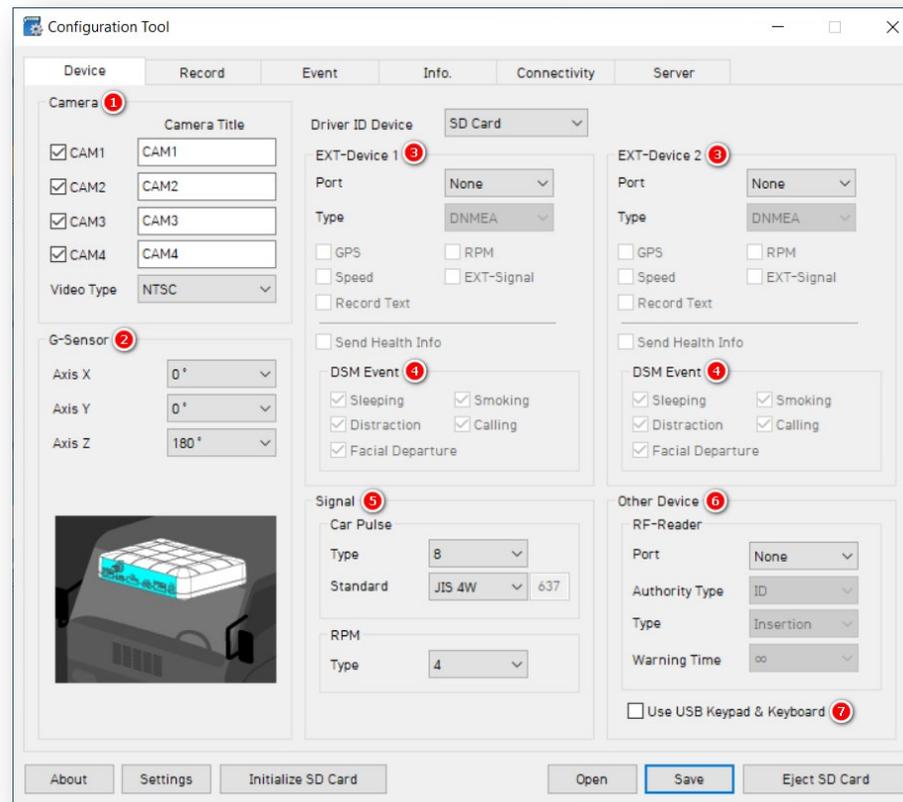
# Device

## 4.0 Configuring Your Device

**Goal:** Personalize and optimize your device's settings

### 4.1 How to Configure Device Tab

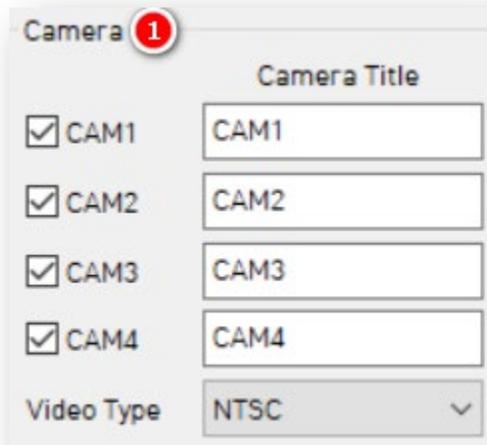
**Device Tab Layout: At a Glance**



## Device

### Camera

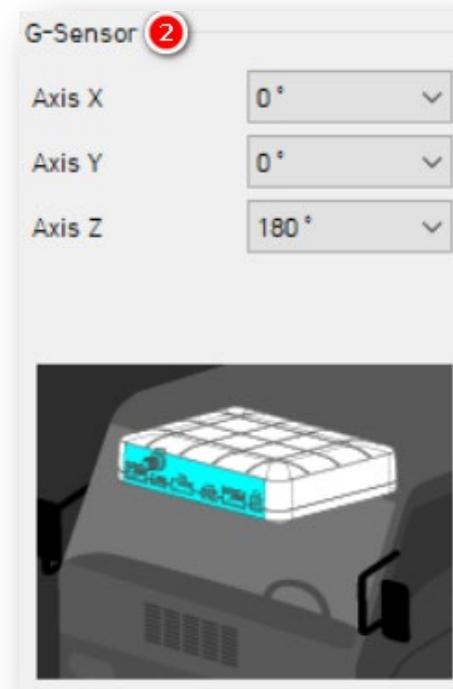
1. Activate your desired cameras, label them and select your preferred video standard via **Video Type**.
  - Ensure **Video Type** matches the video standard of your accessory cameras.
  - Typically, North America is **NTSC** and EMEA is **PAL**.



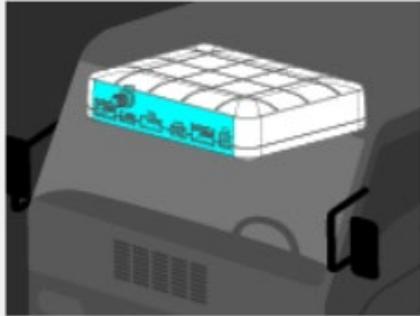
Camera 1	
Camera Title	
<input checked="" type="checkbox"/> CAM1	CAM1
<input checked="" type="checkbox"/> CAM2	CAM2
<input checked="" type="checkbox"/> CAM3	CAM3
<input checked="" type="checkbox"/> CAM4	CAM4
Video Type	NTSC

### G-Sensor

2. To designate the device's install position, select from each option. This allows for G-Sensor calibration and accurate drive data reporting. See all orientations and corresponding axis values [here](#).



G-Sensor 2	
Axis X	0°
Axis Y	0°
Axis Z	180°



## Device

### EXT – Device 1 & 2

3. Allow exterior devices to work with your CP4/CP4S by selecting from **EXT – Device’s** list of accessory devices or checkbox items.
  - Add-ons connect to the device’s serial CP4/CP4S input once the ‘S3’ port is activated.
4. **DSM Event** access requires you to use specific “Driver State Monitoring” AI camera models.

EXT-Device 1 3

Port: None

Type: DNMEA

GPS  RPM

Speed  EXT-Signal

Record Text

Send Health Info

DSM Event 4

Sleeping  Smoking

Distraction  Calling

Facial Departure

## Signal

5. **(Optional)** Select from **Car Pulse Type**, **Standard**, and **RPM Type** options. Configure the input wires attached to the CP4/CP4S I/O harness. Connect to the tachometer to receive vehicle RPM and/or speed.
  - **Pulse Signal:** pull up, pull down.
  - **Type:** 1 – 25.
  - **Standard:** JIS 4W/JIS 2W, 3W/SA E/DIN/BNA/MANUAL.
  - **RPM Type:** 1 – 10.

Signal 5

Car Pulse

Type: 8

Standard: JIS 4W 637

RPM

Type: 4

## Device

### Other Device

6. **(Optional)** Set up an accessory device (RF-Reader or Radio Frequency Reader) that connects to the serial input. Designate the reader **Type** and **Warning Time**.
7. Allow a connection for these devices by clicking **Use USB Keypad & Keyboard**.



Other Device **6**

RF-Reader

Port: None

Authority Type: ID

Type: Insertion

Warning Time: ∞

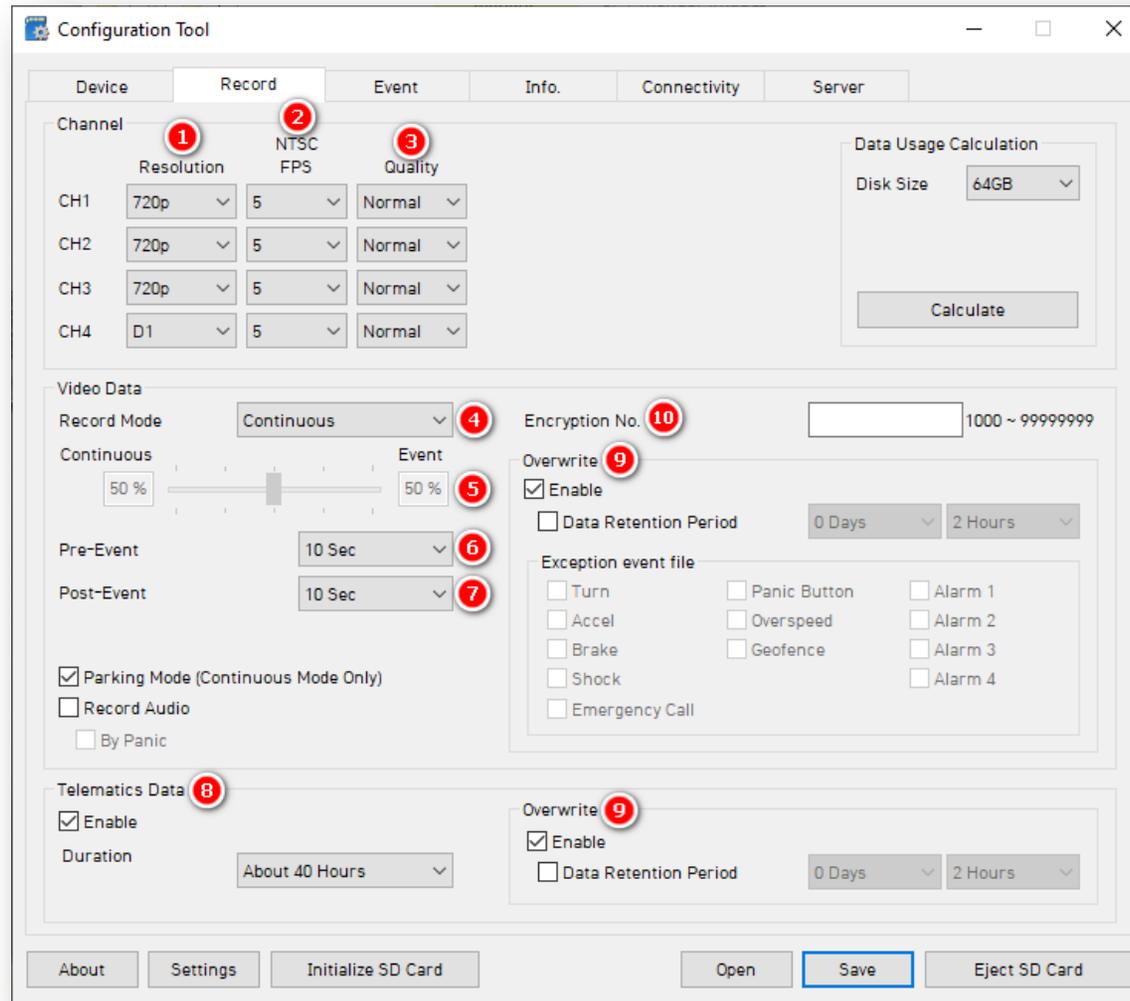
Use USB Keypad & Keyboard **7**

**Note:** Contact SmartWitness about RFID system compatibility. SmartWitness' SmartID replaces the need for RFID systems to manage driver identification.

# Record

## 4.2 How to Configure Record Tab

### Record Tab Layout: At a Glance



## Record

### Channel

1. Select your **Resolution** for CH1:
  - **D1** (720 x 480), **720p** (HD), **1080p** (FHD).
2. Select a **Frame Rate**:
  - **30fps**, **15fps**, **10fps**, **5fps**, **4fps**, **3fps**, **2fps**, **1fps**.
3. Choose your default video **Quality**:
  - **Normal** (Most Compressed), **High**, or **Super** (Lossless) Bitrate).

Channel	Resolution	NTSC FPS	Quality
CH1	720p	5	Normal
CH2	720p	5	Normal
CH3	720p	5	Normal
CH4	D1	5	Normal

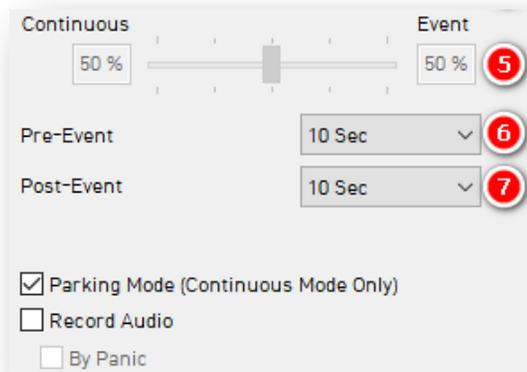
### Video Data

4. Select your preferred **Record Mode**:
  - **Event**: Only records events. Settings determined by the pre & post-event setting.
  - **Continuous** (Default): Video continuously records, with no events documented on SD Card (Events are sent to Smart API if configured in the [Server](#) tab).
  - **Continuous+Event**: Video continuously records at 1 FPS. Events record at your specified FPS.

Record Mode	Continuous
-------------	------------

## Record

5. If you chose **Continuous+Event** mode, specify the SD card's ratio of video data recording.
6. To set the amount of time video records before an event triggers, select your **Pre-Event Setting**.
7. To set the amount of time video records after an event triggers, select your **Post-Event Setting**.



**Note:** The pre/post-time settings are not applicable to “Continuous” record mode. **Parking Mode** reduces FPS to 1 when the vehicle idles for 5 min.

## Telematics Data

8. To log telematics data, check **Enable**. This sets the duration of your DRV Storage on the SD card. DRV files will record and store separate from video/event logs.



## Record

9. To turn on your device's overwrite feature, click **Enable**. This automatically rewrites SD card video footage and telematics data.
- **Data Retention Period** determines how long data remains on the SD card. If activated, the data deletes once the set time expires.
  - Select a list of **Exception event files** to remain on your SD card for longer periods of time.

Overwrite **9**

Enable

Data Retention Period 0 Days 2 Hours

Exception event file

<input type="checkbox"/> Turn	<input type="checkbox"/> Panic Button	<input type="checkbox"/> Alarm 1
<input type="checkbox"/> Accel	<input type="checkbox"/> Overspeed	<input type="checkbox"/> Alarm 2
<input type="checkbox"/> Brake	<input type="checkbox"/> Geofence	<input type="checkbox"/> Alarm 3
<input type="checkbox"/> Shock		<input type="checkbox"/> Alarm 4
<input type="checkbox"/> Emergency Call		

Overwrite **9**

Enable

Data Retention Period 0 Days 2 Hours

10. To protect SD card data from being easily accessible, enter an 8-digit **Encryption No.**

Encryption No. **10**  1000 ~ 99999999

**Note:** Using your current configuration, apply different **Disk Sizes in Data Usage Calculation** to estimate storage capacity.

Data Usage Calculation

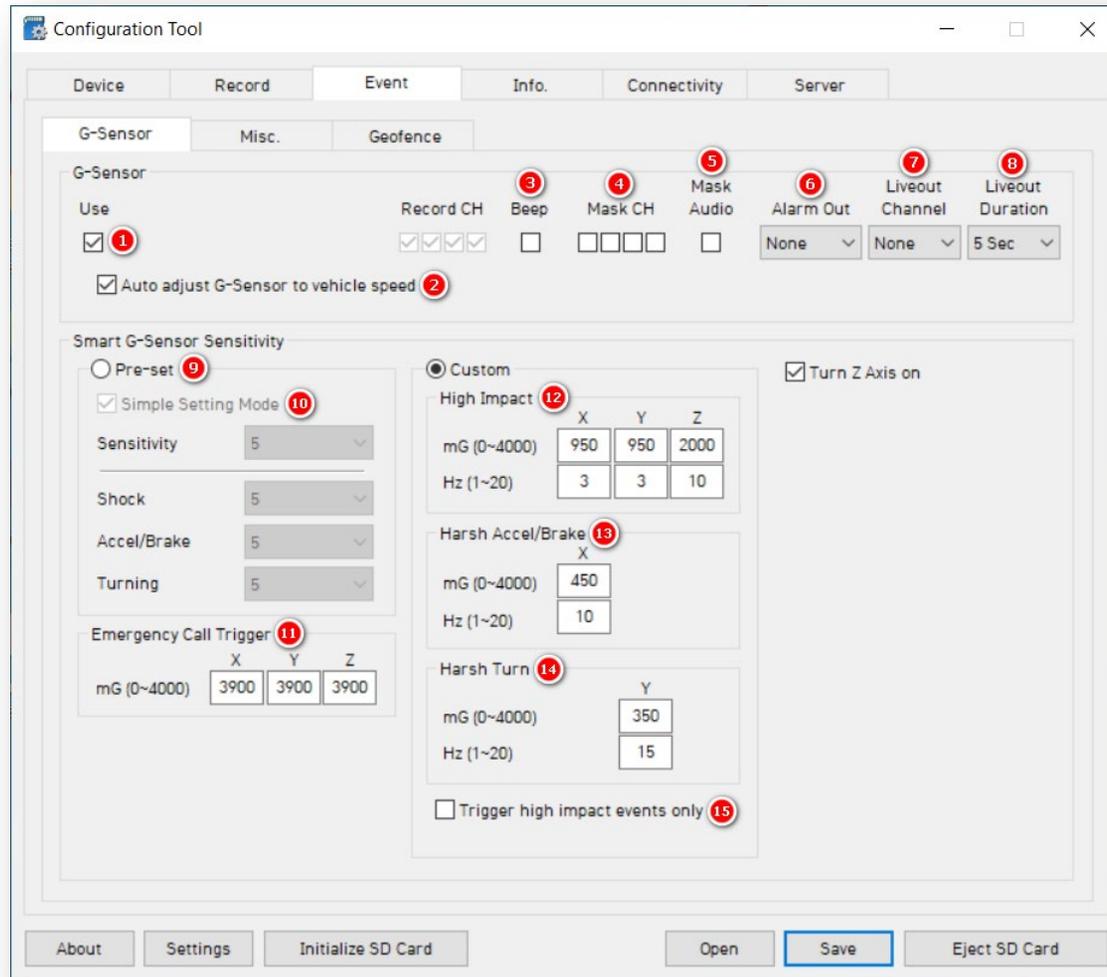
Disk Size 64GB

Calculate

# Event

## 4.3 How to Configure Event Tab

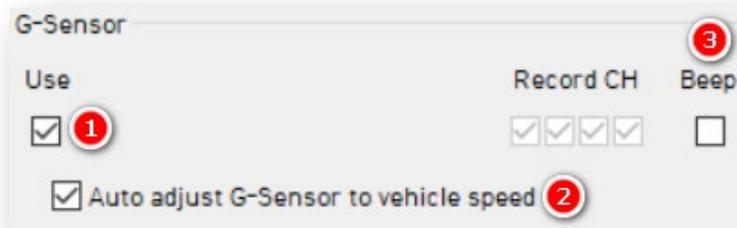
### Event Tab Layout: At a Glance



## Event > G-Sensor

### 4.3.1 G-Sensor Fields

1. To turn on the G-Sensor and configure its settings, check **Use**.
2. To increase the G-Sensor speed threshold for high vehicle speeds, check **Auto Adjust G-Sensor to vehicle speed**.
3. To turn on in-vehicle noise notifications, check **Beep**.



**Note:** Individual selection of camera channels disables when your device is in “Continuous” mode.

4. To prevent camera channel video recording, check **Mask CH**. Each checkbox corresponds to a channel (1-4, left to right).
5. Prevent device audio recordings by clicking **Mask Audio**.



**Note:** The masking of Video/Audio applies only during the event time.

## Event > G-Sensor

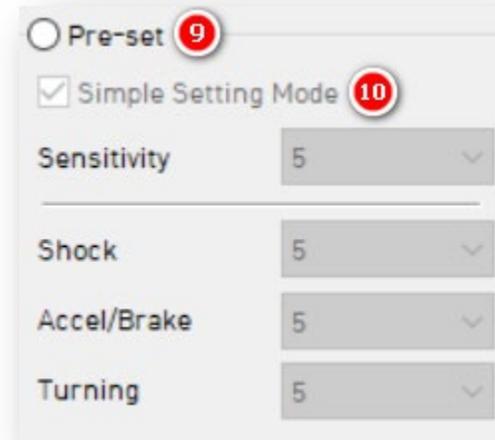
- To set the alarm's notification duration, select from **Alarm Out** options.
  - This sends a 5V output through **Alarm Out** (Brown Wire).
- Decide which camera displays when your device's G-Sensor triggers by choosing from **Liveout Channel** options.
- Determine how long the selected camera channel stays on after a completed event by selecting a **Liveout Duration**.



A screenshot of the G-Sensor settings menu. It features three dropdown menus: 'Alarm Out' with 'None' selected, 'Liveout Channel' with 'None' selected, and 'Liveout Duration' with '5 Sec' selected. Red circles with numbers 6, 7, and 8 are placed above the respective dropdowns.

## Smart G-Sensor Sensitivity

- Change your vehicle's responsiveness to different events by clicking **Pre-set** and choosing a sensitivity level (1-10).
- To use the default G-Sensor sensitivity options, click **Simple Setting Mode**.



A screenshot of the Smart G-Sensor Sensitivity settings menu. It features a radio button for 'Pre-set' and a checked checkbox for 'Simple Setting Mode'. Below these are four dropdown menus for 'Sensitivity', 'Shock', 'Accel/Brake', and 'Turning', all set to '5'. Red circles with numbers 9 and 10 are placed above the 'Pre-set' and 'Simple Setting Mode' options respectively.

## Event > G-Sensor

11. Set a threshold for **Emergency Call Trigger's** (“Ecall” or “SevereShock”) X and Y axis event shock values.

Emergency Call Trigger <span style="color: red; font-weight: bold;">11</span>			
	X	Y	Z
mG (0~4000)	3900	3900	3900

## Event > G-Sensor

### Custom

To set customized G-Sensor sensitivity settings, click **Custom**.

12. Set a **High Impact** event shock range for the X and Y axis.
13. Set a **Harsh Accel/Brake** shock range.

The screenshot shows two sections of the G-Sensor settings. The top section, labeled 'High Impact' with a red circle containing the number 12, has a table with columns for X, Y, and Z axes. The bottom section, labeled 'Harsh Accel/Brake' with a red circle containing the number 13, has a single column for the X axis.

	X	Y	Z
mG (0~4000)	950	950	2000
Hz (1~20)	3	3	10

	X
mG (0~4000)	450
Hz (1~20)	10

**Note:** Hz = Consecutive milliseconds that the G-Sensor is above the set value. Use a lower Hz for High Impact settings. Use a higher Hz for Harsh Accel, Brake and Turn settings. “Simple Setting Mode” is fixed to 1Hz. “Custom” is adjustable.

14. Determine a **Harsh Turn** event shock range for the Y axis.
15. To limit alerts to high-impact events, check **High Impact Trigger**.
  - If activated, your device will not send Accel/Brake/Turn events.

The screenshot shows the 'Harsh Turn' settings for the Y axis, with a red circle containing the number 14. Below it is a checkbox labeled 'Trigger high impact events only' with a red circle containing the number 15.

	Y
mG (0~4000)	350
Hz (1~20)	15

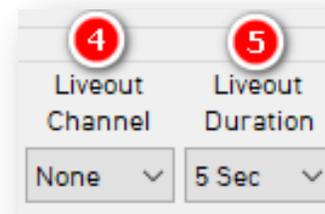
Trigger high impact events only

## Event > Misc.

### 4.3.2 Misc Fields

#### Panic Button

1. To activate the Panic Button, check **Use**.
2. Turn on audible notifications when a driver presses the Panic Button by clicking **Beep**.
3. Set the duration of the alarm via **Alarm Out** options.
  - This sends a 5V output through Alarm Out (Brown Wire).
4. Decide which camera displays when your device's Panic Button triggers via **Liveout Channel** options.
5. Determine how long your selected camera channel stays on after a completed event by selecting a **Liveout Duration**.



## Event > Misc.

### Overspeed

- To configure Overspeed settings, click **Use**.
  - Enter your **Speed Limit** threshold for recording overspeed events (Gauges vehicle speed, not regional speed limits).
  - You should be familiar with the other settings featured in this image. Click [here](#) for a reference of each field's function. Apply the same logic to Overspeed settings.

Use	Speed Limit	Record CH	Beep	Mask CH	Mask Audio	Alarm Out	Liveout Channel	Liveout Duration
<input checked="" type="checkbox"/>	125 km/h Over	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	None	None	5 Sec

### Alarm-In

- To set your optional alarm input triggers, check **Use**. Under **Title**, label them according to input type (e.g., doors).
  - Alarm 1** = White Wire
  - Alarm 2** = Purple Wire
  - Alarm 3** = Green Wire
  - Alarm 4** = Orange Wire
  - Input Types:**
    - V-On/Off** (12V)
    - N-C** (Normally Closed Circuit)
    - N-O** (Normally Open Circuit)

**Note:** Older CP4 hardware doesn't support Alarm 4. CP4/CP4S devices post-August 2018 support a 4<sup>th</sup> alarm input.

Use	Title	Type	Record CH	Beep	Mask CH	Mask Audio	Alarm Out	Liveout Channel	Liveout Duration
<input checked="" type="checkbox"/>	ALARM1	V-Off	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	None	None	5 Sec
<input checked="" type="checkbox"/>	ALARM2	V-Off	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	None	None	5 Sec
<input checked="" type="checkbox"/>	ALARM3	V-Off	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	None	None	5 Sec
<input checked="" type="checkbox"/>	ALARM4	N-O	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	None	None	5 Sec

## Event > Misc.

### EXT-Signal

8. Signal events are reserved for RS232 accessory devices with their own event triggers (like an ADAS or DMS camera). This allows CP4S to configure recording, masking and display rules for accessory devices. EXT-Signal serves no purpose beyond RS232 accessory devices.

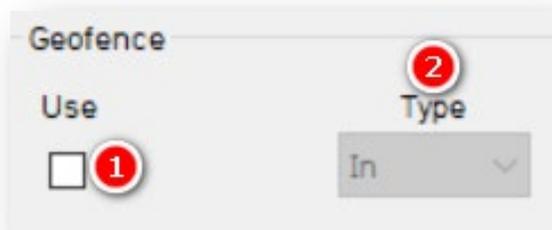
EXT-Signal									
Use	Title	Record CH	Beep	Mask CH	Mask Audio	Alarm Out	Liveout Channel	Liveout Duration	
<input type="checkbox"/>	LEFT	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	None ▾	None ▾	5 Sec ▾	
<input type="checkbox"/>	RIGHT	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	None ▾	None ▾	5 Sec ▾	
<input type="checkbox"/>	BRAKE	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	None ▾	None ▾	5 Sec ▾	
<input type="checkbox"/>	REVERSE	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	None ▾	None ▾	5 Sec ▾	

## Event > Geofence

### 4.3.3 Geofence Fields

Set virtual boundaries for your device to record events. Optionally, obscure your camera's field of vision and audio recording.

1. To activate the Geofence, click **Use**.
2. Select the **Type** of Geofence.
  - **In** - Geofence triggers when the vehicle enters the geographic boundary.
  - **Out** - Geofence triggers when the vehicle exits the geographic boundary.

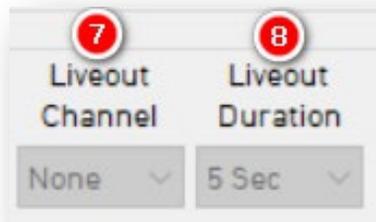


3. Audibly notify the driver when they have crossed the Geofence's boundary via **Beep**.
4. To obscure camera channels, check the relevant **Mask CH**.
5. Prevent device audio recording by clicking **Mask Audio**.
6. Set the duration of the alarm via **Alarm Out** (Brown Wire) dropdown.



## Event > Geofence

7. Choose which camera displays on the LCD when your device's Geofence triggers via **Liveout Channels** (if using LCD).
8. Determine how long your selected camera channel stays on after a completed event by selecting a **Liveout Duration**.

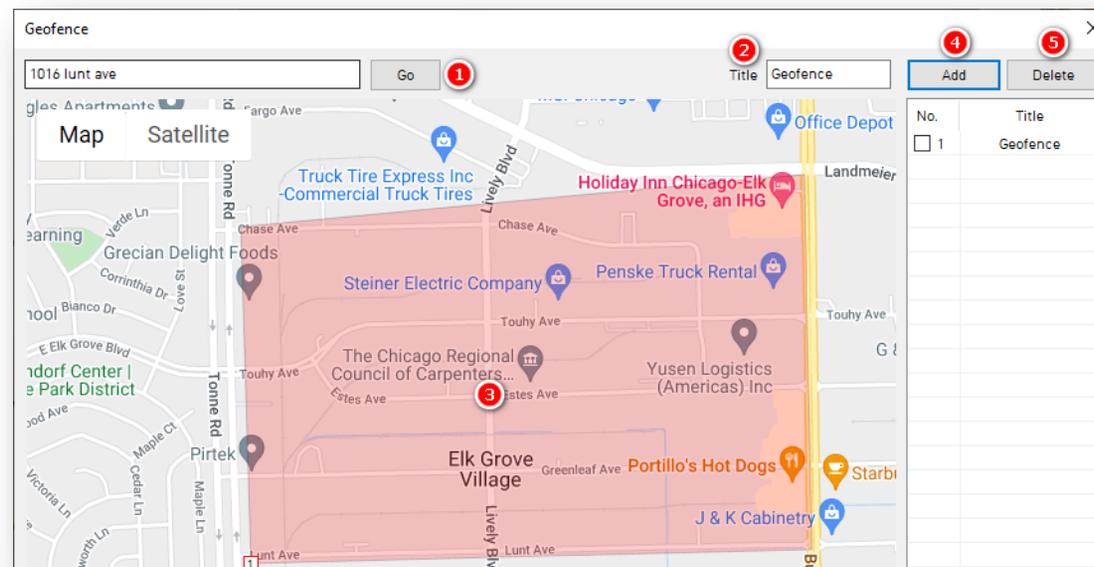


## Event > Geofence

### Zone Selection

To set Geofence boundaries on Google Maps, click **Zone Selection**. Create up to 20 geofence zones.

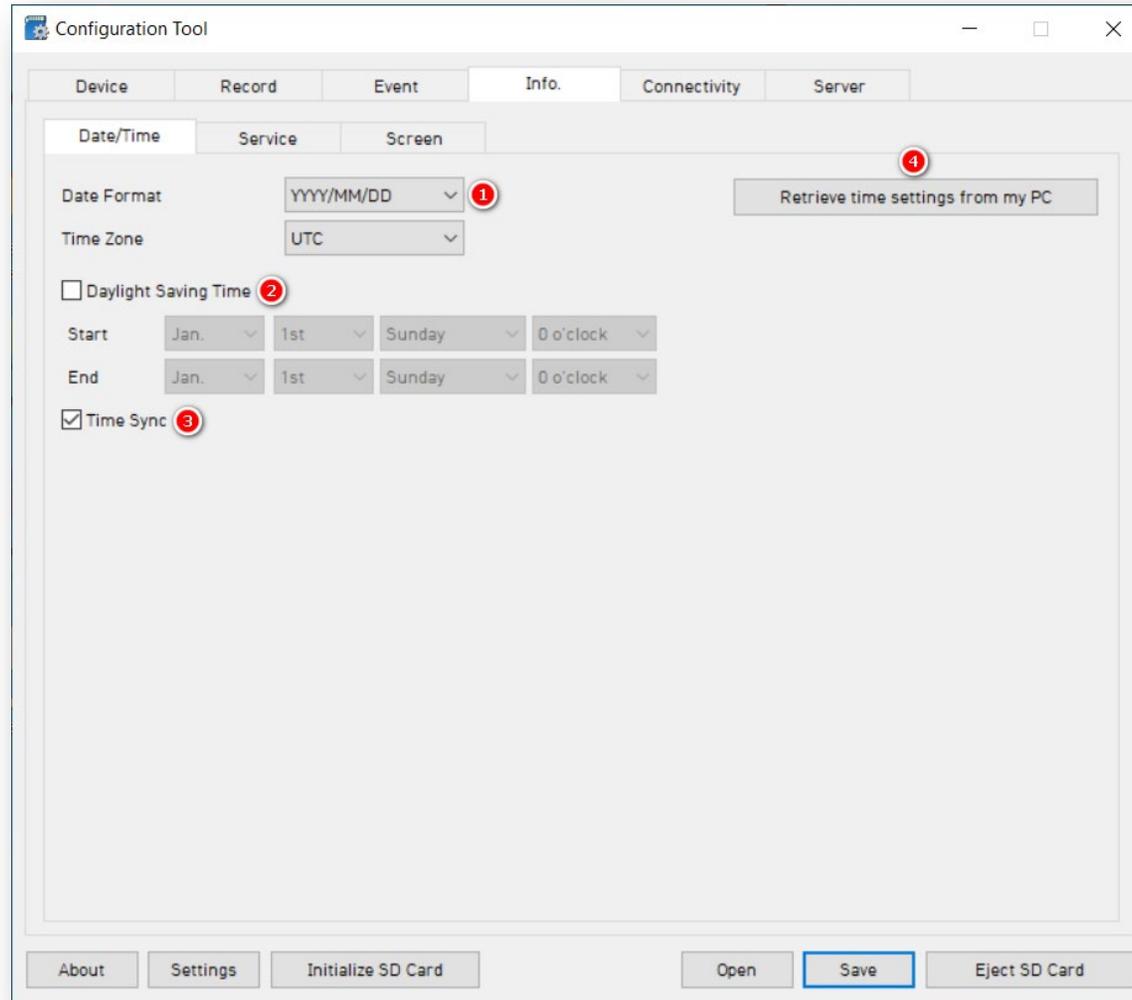
1. To search for a location, enter an address into the text field and click **Go**.
2. Change the **Title** of your Geofence.
3. To set a perimeter, click on the map. The area in **Red** is your Geofence.
4. Activate your outlined Geofence by clicking **Add**.
5. To remove a Geofence, check the Geofence **No.** and click **Delete**.



# Info

## 4.4 How to Configure Info Tab

### Info Tab Layout: At a Glance

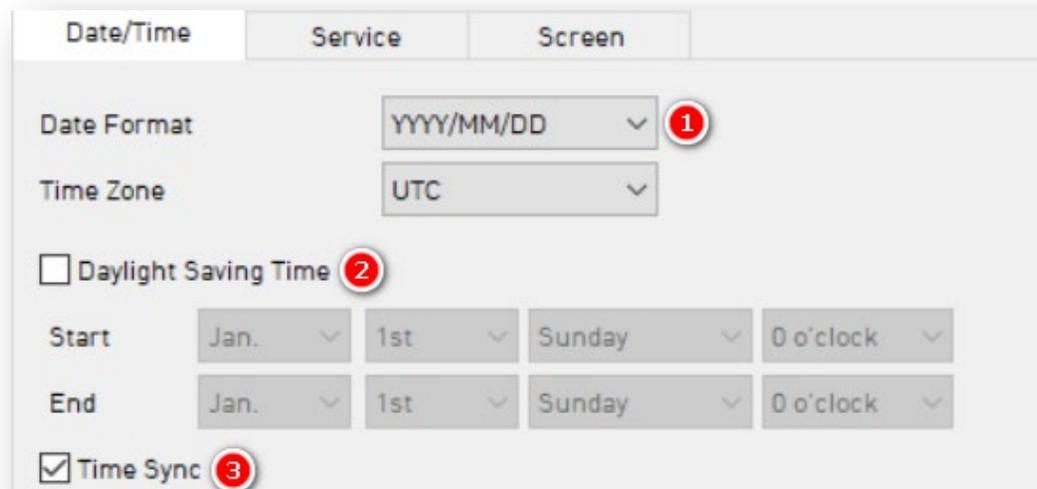


## Info > Date/Time

### 4.4.1 Date/Time Fields

Setting time preferences on your CP4/CP4S is **not recommended**. PC Viewer software and Smart API automatically adjust UTC to your local time zone. **If you've connected your CP4/CP4S to Smart API, do not set time preferences.**

1. Set your preferred **Date Format**.
2. Set a customized date and time range for **Daylight Savings Time**.
3. Ensure GPS time syncs with device OS time by clicking **Time Sync**.



The screenshot shows the 'Date/Time' settings panel with three numbered callouts:

- 1**: Points to the 'Date Format' dropdown menu, which is currently set to 'YYYY/MM/DD'.
- 2**: Points to the 'Daylight Saving Time' checkbox, which is currently unchecked.
- 3**: Points to the 'Time Sync' checkbox, which is currently checked.

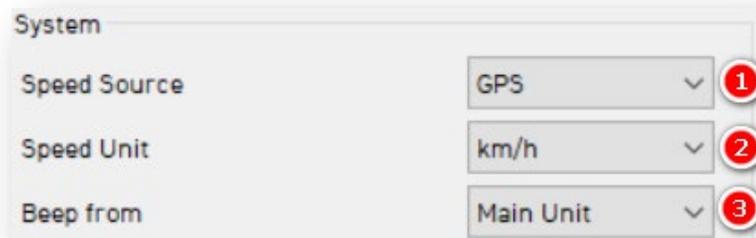
Other visible settings include 'Time Zone' set to 'UTC', and 'Start' and 'End' dates both set to 'Jan. 1st Sunday 0 o'clock'.

## Info > Service

### 4.4.2 Service Fields

#### System

1. Determine how your device gauges vehicle speed by choosing a **Speed Source**.
2. Set your preferred **Speed Unit**.
3. Choose the source of your device's audible notifications with **Beep**.



System

Speed Source	GPS	1
Speed Unit	km/h	2
Beep from	Main Unit	3

4. Decide on the amount of time your CP4/CP4S stays on after ignition off from **Delayed Power Shutdown** options.
5. Select the time, or **Wake-up Interval**, in which your device powers on after shutdown.
6. Select amount of the time, or **Register Interval**, your device stays on during its Wake-up.



Delayed Power Shutdown	00	:	15	4
Wake-up Interval	Off			5
Register Interval	00	:	00	6

## Info > Service

7. Check **Auto Format Feature** to automate SD card maintenance when necessary.
  - This feature formats blank SD cards automatically. It does not apply to corrupted SDs. A “Media Error” event goes to the server. The red LED and an (optional) audible alarm turns on.
  - See “System Warning” on the next page.
8. Allow audio responses from your device’s button by clicking **Button Beep**.
9. Remove the user-facing menu from your LCD with **Disable Menu**.



## Ignition Off Filter

10. Check **Use** to turn on Ignition Off Filter.
  - Set the time your device maintains ignition on operation with **Filter Duration**.
  - Set a value the **G-Sensor Threshold** must exceed to retain ignition on functions.
  - To prevent faulty ignition off events, set a **Threshold** value.

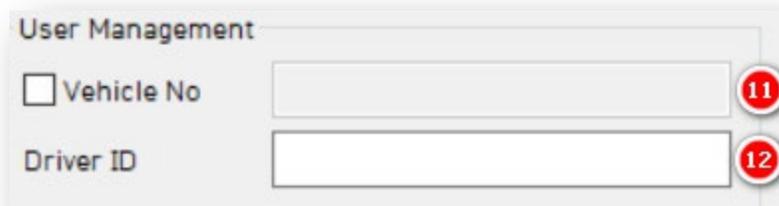


## Info > Service

### User Management

11. Check **Vehicle No** and assign a number to your vehicle.
12. Enter a unique **Driver ID** for different vehicles.

\*You can watermark **Vehicle No & Driver ID** on your MP4 converted video feed with desktop analysis software.

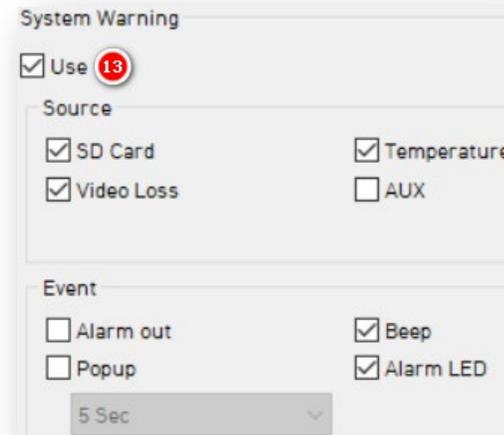


The screenshot shows a 'User Management' window with two input fields. The first field is labeled 'Vehicle No' and has a red circle with the number '11' next to it. The second field is labeled 'Driver ID' and has a red circle with the number '12' next to it.

### System Warning

13. To provide notifications for system component corruption and/or failure, check **Use**.
  - Check any/all boxes to allow notifications.
  - Set your **Event** notification settings for system warnings.

**Note:** If you have activated system warning in **Source**, your device sends corresponding notifications to SmartAPI.



The screenshot shows a 'System Warning' window. At the top, there is a 'Use' checkbox which is checked, with a red circle containing the number '13' next to it. Below this, there are two sections: 'Source' and 'Event'. The 'Source' section has four checkboxes: 'SD Card' (checked), 'Temperature' (checked), 'Video Loss' (checked), and 'AUX' (unchecked). The 'Event' section has four checkboxes: 'Alarm out' (unchecked), 'Beep' (checked), 'Popup' (unchecked), and 'Alarm LED' (checked). At the bottom of the 'Event' section, there is a dropdown menu set to '5 Sec'.

## Info > Screen

### 4.4.3 Screen Fields

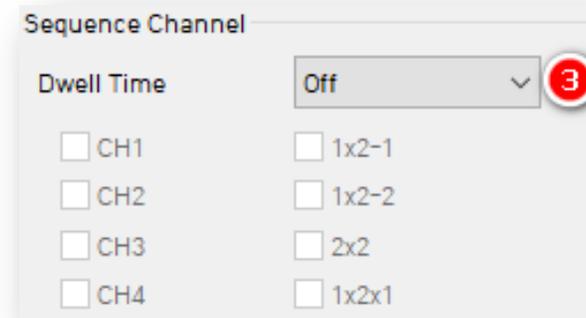
#### Liveout Priority

1. Select display preferences when your device's trigger activates from **Liveout Priority** options.
  - Camera prioritization ranges from 1 (highest priority), to 9 (lowest priority).
  - If **CH1** and **CH2** trigger at the simultaneously, the camera with higher priority is displayed.
2. Select individual camera channel aspect ratios.



#### Sequence Channel

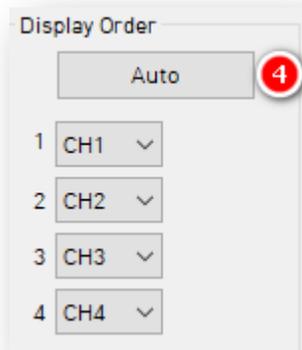
3. Select the display time per selected camera channels (Off – 5 sec), from **Dwell Time** options.



## Info > Screen

### Display Order

- Automate the organization of your camera channel display by clicking **Auto**. If you prefer manual camera channel organization, select a display order.

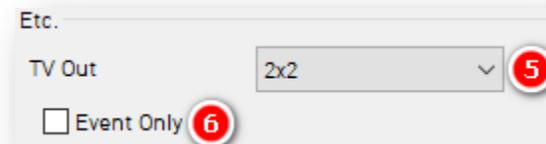


### Etc.

- Choose a signal to provide to your monitor from **TV Out** options.
  - 2x2**, or “quad view,” is the default display view.



- Click **Event Only** to turn off the V/O (video output) signal unless there is an event and “Event Only” is configured in the [Event](#) tab.



## Info > Screen

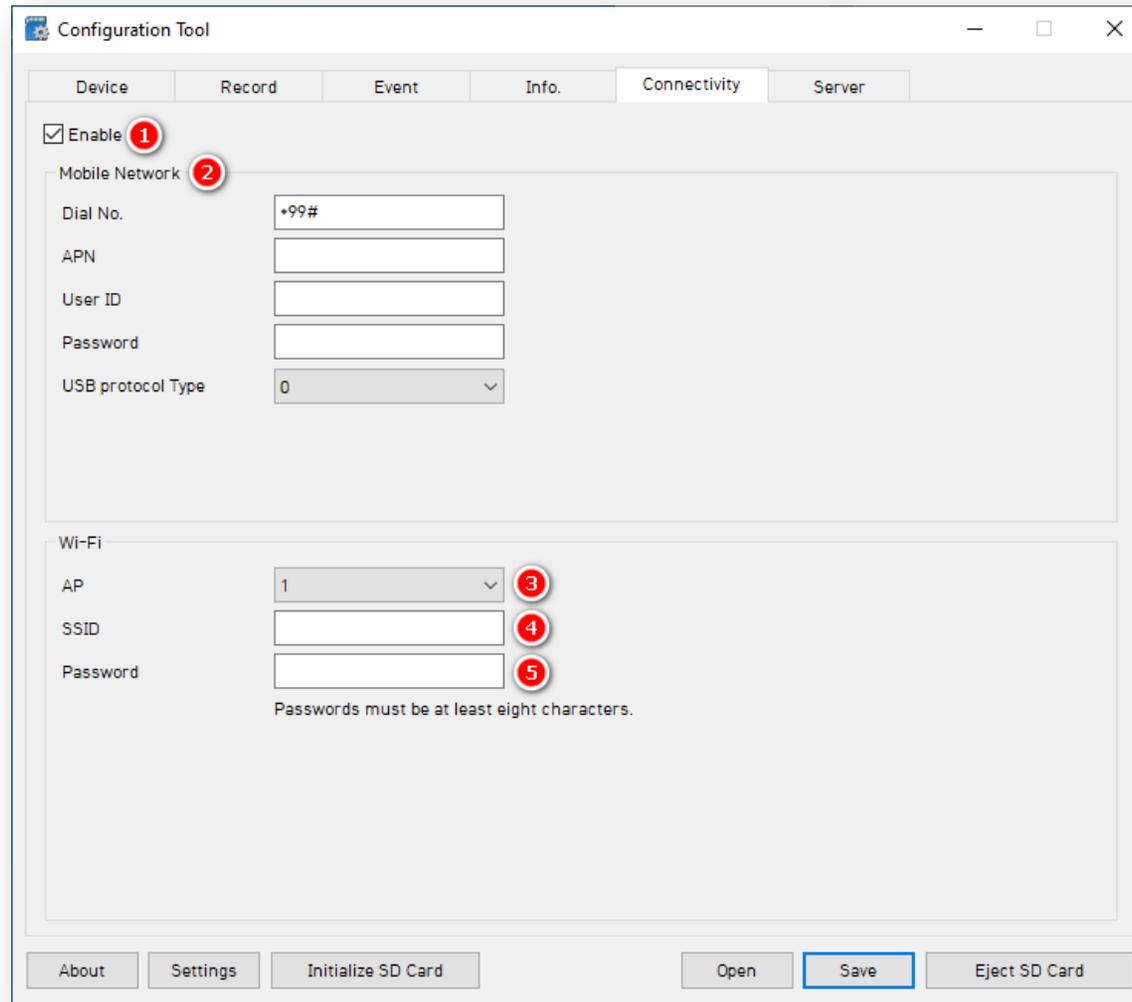
7. Select which information appears on your LCD.
  - **Level 1** (Full): Time, Disk Space, Camera Title, Camera/Event Status.
  - **Level 2**: Time, Disk Space, Camera Title.
  - **Level 3**: Time, Disk Space.
  - **Level 4** (Off): No data overlay.



# Connectivity

## 4.5 How to Configure Connectivity Tab

### Connectivity Tab Layout: At a Glance



# Connectivity

## Mobile Network

1. To specify mobile and WIFI network settings, check **Enable**.
2. Add **Mobile Network** details to relevant fields. If using SmartWitness (AT&T) SIM card, ensure the APN matches the image shown.

**Important:** CP4 and CP4S do not have Wi-Fi built-in as standard. Only the “CP4S-W” model supports Wi-Fi.

The screenshot shows the Mobile Network settings interface. At the top, there is a checkbox labeled 'Enable' with a red circle containing the number '1' next to it. Below this is a section titled 'Mobile Network' with a red circle containing the number '2' next to it. This section contains several input fields: 'Dial No.' with the value '+99#', 'APN' with the value 'smartwitness.com.attz', 'User ID' (empty), 'Password' (empty), and 'USB protocol Type' with a dropdown menu showing '0'.

## WiFi

Use WiFi connection instead of cellular, with an approved WiFi USB dongle.

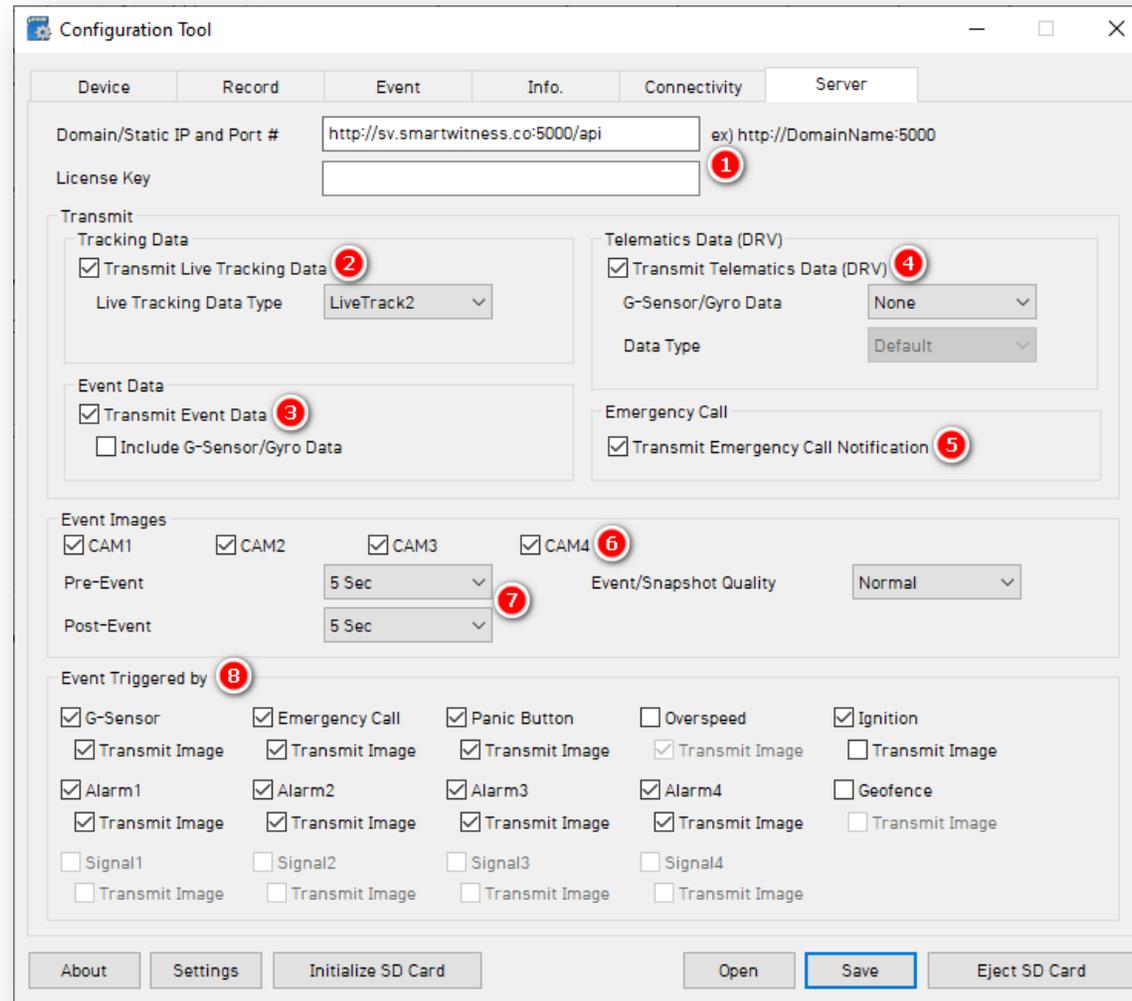
3. Your CP4/CP4S has built-in WiFi. Select your **AP**. Your **AP** must be secure and use WPA/WPA2 encryption.
4. Set up to 10 Wi-Fi **SSIDs**. Your CP4/CP4S will scan for as many networks as added to your settings.
5. Enter a **password**.

The screenshot shows the WiFi settings interface. It has three input fields: 'AP' with a dropdown menu showing '1' and a red circle containing the number '3' next to it; 'SSID' with an empty text box and a red circle containing the number '4' next to it; and 'Password' with an empty text box and a red circle containing the number '5' next to it. Below the password field, there is a note that says 'Passwords must be at least eight characters.'

# Server

## 4.6 How to Configure Server Tab

### Server Tab Layout: At a Glance



# Server

## Server

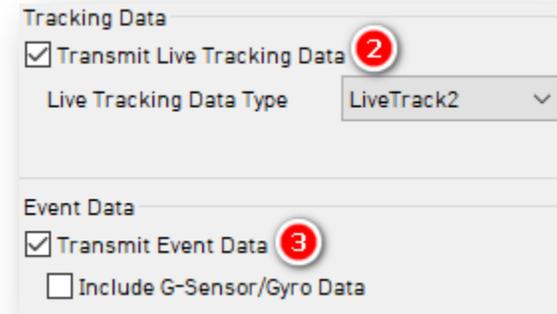
1. SmartWitness, or your service provider, will give you the **Domain/Static IP and Port # URL** and **License Key** (If necessary) to enter here.



A screenshot of a configuration form with two input fields. The first field is labeled 'Domain/Static IP and Port #' and contains the text 'http://sv.smartwitness.co:5000/api'. To its right is a smaller field with the text 'ex) http://DomainName:5000'. The second field is labeled 'License Key' and is currently empty. A red circle with the number '1' is positioned to the right of the second field.

## Transmit

2. Use HTTP posts from your CP4/CP4S to the server by checking **Transmit Live Tracking Data**. Livetrack2 contains GPS coordinates. LiveTrack3 does not.
3. To send event notifications and images to the server, check **Transmit Event Data**.



A screenshot of a configuration form with two sections. The first section is titled 'Tracking Data' and contains a checked checkbox labeled 'Transmit Live Tracking Data' with a red circle '2' next to it. Below this is a dropdown menu labeled 'Live Tracking Data Type' with 'LiveTrack2' selected. The second section is titled 'Event Data' and contains a checked checkbox labeled 'Transmit Event Data' with a red circle '3' next to it, and an unchecked checkbox labeled 'Include G-Sensor/Gyro Data'.

## Server

4. Send DRV data to the server by clicking **Transmit Telematics Data (DRV)**.
5. To send Ecalls to the server, check **Transmit Emergency Call Notification**.

**Note:** The frequency interval of LiveTrack and DRV uploads are server-controlled.

The screenshot shows two sections of a settings panel. The top section is titled "Telematics Data (DRV)" and contains a checked checkbox labeled "Transmit Telematics Data (DRV)" with a red circle containing the number 4 next to it. Below this are two dropdown menus: "G-Sensor/Gyro Data" set to "None" and "Data Type" set to "Default". The bottom section is titled "Emergency Call" and contains a checked checkbox labeled "Transmit Emergency Call Notification" with a red circle containing the number 5 next to it.

## Event Images

6. Choose which camera channels will send event images to the server.
  - **CAM1, CAM2, CAM3, and CAM4**
7. Select from **Pre-Event** and **Post-Event** options to determine snapshot timing before and after an event.

The screenshot shows the "Event Images" settings panel. It features four checked checkboxes for "CAM1", "CAM2", "CAM3", and "CAM4", with a red circle containing the number 6 next to the "CAM4" checkbox. Below these are two rows of settings: "Pre-Event" and "Post-Event", each with a dropdown menu set to "5 Sec" and a red circle containing the number 7 next to the "Post-Event" dropdown. To the right of these rows is a label "Event/Snapshot Quality" followed by a dropdown menu set to "Normal".

## Server

### Event Triggered By

- To determine what events your device sends to the server, select from options like **G-Sensor** and **Emergency Call** (“SevereShock”). Events transmit instantly, even if your device is in “Continuous” record mode.

Event Triggered by **8**

<input checked="" type="checkbox"/> G-Sensor	<input checked="" type="checkbox"/> Emergency Call	<input checked="" type="checkbox"/> Panic Button	<input type="checkbox"/> Overspeed	<input checked="" type="checkbox"/> Ignition
<input checked="" type="checkbox"/> Transmit Image	<input type="checkbox"/> Transmit Image			
<input checked="" type="checkbox"/> Alarm1	<input checked="" type="checkbox"/> Alarm2	<input checked="" type="checkbox"/> Alarm3	<input checked="" type="checkbox"/> Alarm4	<input type="checkbox"/> Geofence
<input checked="" type="checkbox"/> Transmit Image	<input type="checkbox"/> Transmit Image			
<input type="checkbox"/> Signal1	<input type="checkbox"/> Signal2	<input type="checkbox"/> Signal3	<input type="checkbox"/> Signal4	
<input type="checkbox"/> Transmit Image				

## Complete Your Configuration

### 5.0 Finishing Up/Support

**Goal:** Finalize your Configuration and access support

1. Click **Save** to establish your finalized settings configuration.
2. Select **FHDRM** SD drive when prompted. Your configuration saves to your card.
3. Wait until the software confirms the application of your settings configuration.
4. Click **Eject SD Card**, insert into your CP4/CP4S and power on the device.
5. You've completed your configuration.

**Note:** You can apply device configurations can over-the-air from the Smart API Workstation. Read instructions [here](#).

### 5.1 Support Information

If you need additional support or want an expert to walk you through this process, please [register](#) and submit a ticket, or email us at [support@smartwitness.com](mailto:support@smartwitness.com).

Feel free to call our support team:

**North America, South America, APAC**

- +1 (312) 981 8774

**EMEA**

- +44 (0) 1483 397005