

# KP2 CONFIGURATION TOOL GUIDE v6.2

*A jumpstart to video  
telematics  
configuration*

Sensata  
Technologies

 SMARTWITNESS®



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## Introduction

### 1 Welcome to Your KP2 Configuration Guide

This guide aims to inform users of the proper processes involved in setting up your Sensata | SmartWitness KP2 device.

This step-by-step walkthrough will act as your teacher as you learn our product's layout, functionality, and configuration settings. Each section shown in this guide features the KP2's default settings.

You can find an overview of the configuration tool's layout in [section 3](#).

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 contact our [support](#) teams.

**Note:** Use this configuration guide with at least version 1.2.0.0 of the KP2 Configuration Tool. Content in this guide was released in coordination with KP2 firmware version 1.2.0.

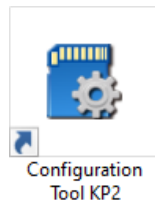
## KP2 Configuration Download & Installation

### 2 KP2 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 the configuration tool and insert your MicroSD card\*.
3. Click **Initialize SD Card**.
4. Select **SD Card** from your preferred internet browser.
5. Click **Start** to initialize.

**Note:** MicroSD cards from Sensata | SmartWitness come pre-installed and initialized.

\*The maximum supported onboard storage is 256 GB.

# KP2 Configuration Tool Layout

## 3 Configuration Tool Layout & Settings

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

The screenshot shows the KP2 Config 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 CAM1 and CAM2.
- Some settings sub-fields use text fields:** Points to the text input fields for Camera Title (CAM1 and CAM2).
- Some settings sub-fields use drop-down selection:** Points to the drop-down menu for Type (KP2-OBD-PWR).
- Click About to see configuration tool version information:** Points to the About button.
- Click Settings to change the language:** Points to the Settings button.
- Click Initialize SD Card to prepare SD card:** Points to the Initialize SD Card button.
- Click Open to load a previously saved configuration:** Points to the Open button.
- Click Save after each settings tab configuration:** Points to the Save button.
- Click Eject SD Card at the end of the configuration process:** Points to the Eject SD Card button.

## ADAS Event Definitions

### 3.1 ADAS Event Definitions

To better understand the settings and functions of **ADAS** (Advanced Driver Assistance Systems) events in the [Event](#) tab, review the definitions and related conditions below.

Event Type	Event Definition	Detection Conditions & Configuration Values
<b>FCW</b>	<b>Forward Collision Warning</b> - Detects an imminent collision with something ahead.	<p><b>Detection Conditions</b> Vehicles must surpass a minimum speed and be moving within the configured speed range.</p> <p>After a previous FCW event trigger, subsequent FCW triggers will only occur once the vehicle exceeds 5 meters/16 feet from the vehicle in front for more than 2 seconds.</p> <p><b>Configuration Values:</b> Review various configuration settings in greater detail <a href="#">here</a>.</p>
<b>LDW</b>	<b>Lane Departure Warning</b> – Your vehicle crosses a solid lane line on either side of the road.	<p><b>Detection Conditions</b> Vehicles must surpass a minimum speed to enable LDW.</p> <p>Event type only recognizes solid lane lines.</p> <p><b>Configuration Values:</b> Review various configuration settings in greater detail <a href="#">here</a>.</p>
<b>HMW</b>	<b>Headway Monitoring Warning</b> - Monitors distance to the vehicle ahead at configurable speeds. Also referred to as “Tailgating.”	<p><b>Detection Conditions</b> HMW has three distinct speed ranges (low/middle/high) for detecting headway distances, with corresponding distance thresholds.</p> <p>Vehicles must be moving within the configured speed range.</p> <p>The furthest threshold distance is 20 meters or approximately 66 feet.</p> <p><b>Configuration Values:</b> Review various configuration settings in greater detail <a href="#">here</a>.</p>

## DSM Event Definitions

### 3.2 DSM Event Definitions

To better understand the settings and functions of **DSM** (Driver State Monitoring) events in the [Event](#) tab, please see the definitions and sensitivity conditions below.

Event Type	Event Definition	Event Details
Fatigue	Driver Fatigue Warning (DFW) – Driver is yawning or has prolonged eyelid closure.	<p><b>Calibration Requirements</b> Driver position requires manual calibration through the KP2 Installer App for initial installation. Post-installation, auto calibration occurs during vehicle trips and is recommended. Auto calibration intervals are configurable.</p> <p><b>Detection Conditions</b> Sensitivity % measures the height of the driver’s mouth opening.</p> <p>Fatigue event trigger <b>must meet either of the following conditions:</b></p> <ul style="list-style-type: none"><li>• Driver’s mouth opening (yawning) is <i>greater</i> than the <b>sensitivity %</b> for <i>longer</i> than the <b>sensitivity time</b>.</li><li>• Driver’s eyelids are closed for <i>longer</i> than the <b>sensitivity time</b>.</li></ul> <p>Follow this <a href="#">link</a> to review an example.</p>

## Device

<b>Distraction</b>	<b>Driver Distraction Warning (DDW)</b> – Driver’s head and eyes are off the road for a prolonged period of time.	<b>Calibration Requirements</b> Driver position requires manual calibration through the KP2 Installer App during the initial installation. Post-installation, auto calibration occurs during vehicle trips and is recommended. Auto calibration intervals are configurable.  <b>Detection Conditions</b> Two critical values determine the calibrated head area of the driver: <ul style="list-style-type: none"><li>• <b>Yaw deviation</b> – Degree difference from the camera’s center line axis to the driver’s face</li><li>• <b>Pitch deviation</b> – Degree difference from the ceiling of the vehicle to the top of the driver’s head</li></ul> Sensitivity % measures the change in degrees of the driver’s head area.  30% to 50% is recommended. More than 90% is not recommended. Associate this value, 90% (90°), with the maximum change in head area.  Distraction event triggers <b>must meet the following condition:</b> The driver’s face <i>exceeds</i> the calibrated head area by the <b>sensitivity %</b> for <i>longer</i> than the <b>sensitivity time</b> .
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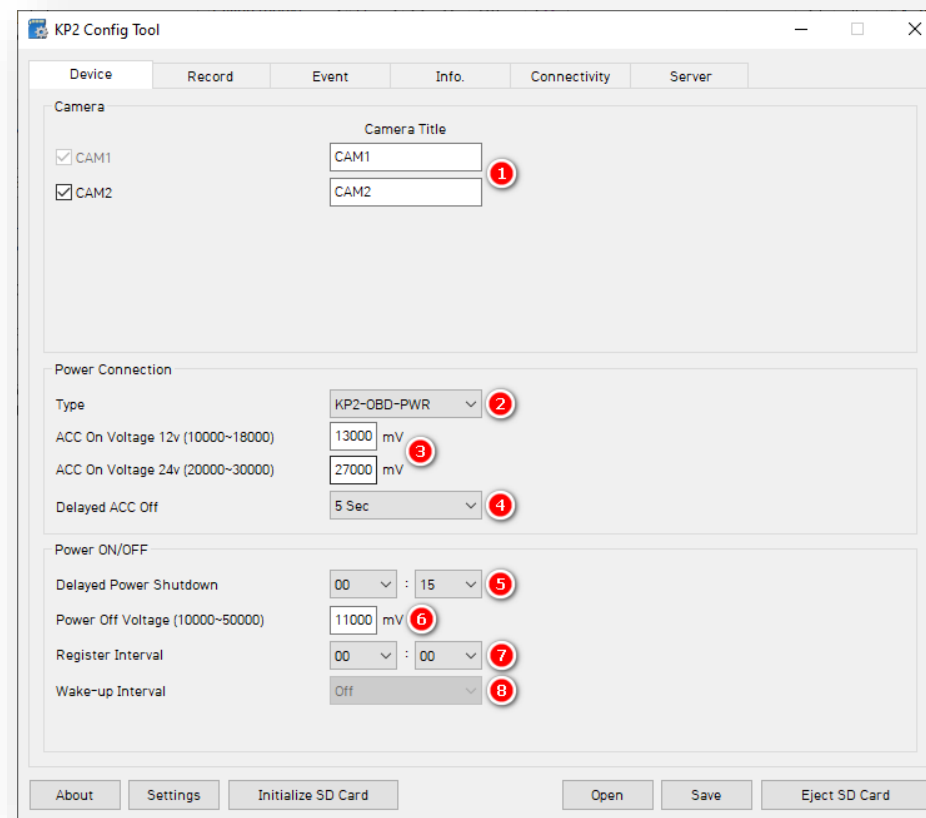
# Device

## 4 Configuring Your Device

**Goal:** Personalize and optimize device settings

### 4.1 How to Configure Device Tab

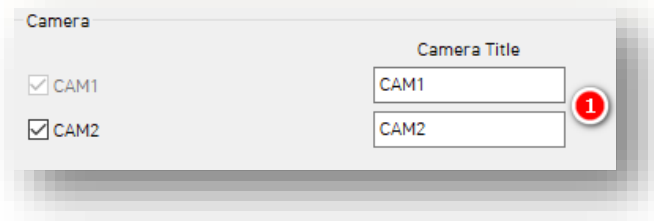
**Device Tab Layout: At a Glance**



## Device

### Camera

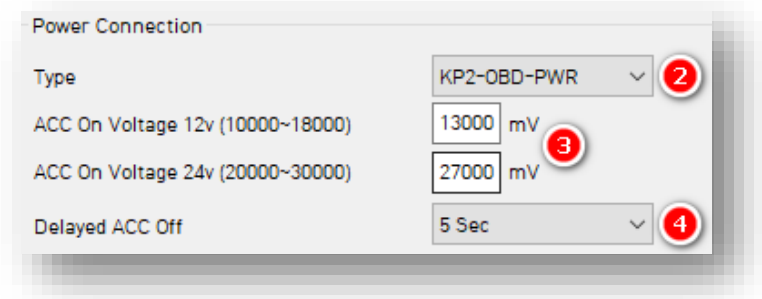
1. Activate your road-facing camera channel, **CAM2**. A KP2 driver-facing camera is required. Deactivating **CAM2** removes the ability to change video channel settings in the [Record](#) tab and DSM settings in the [DSM](#) tab.



### Power Connection

2. To automatically apply appropriate power settings, select the device power **Type**. Using **KP2-Cig-PWR** prevents access to **Power On/Off** settings.
3. Manually adjust these values to your preferred **ACC On Voltage 12v** and **ACC On Voltage 24v**.
4. To continue device operations for a limited period when ACC is off, select a **Delayed ACC Off**.

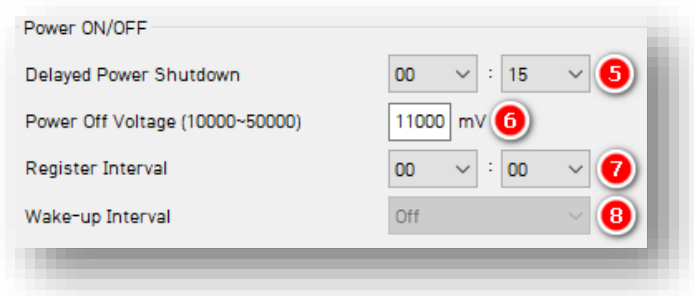
**Note: ACC On Voltage 12v, ACC On Voltage 24** and **Delayed ACC Off** are only available for the **KP2-OBD-PWR** type.



## Device

### Power ON/OFF

5. Select the time your KP2 remains on after ignition off with **Delayed Power Shutdown**.
6. Enter a **Power Off Voltage**. This signals the device shut down due to declining vehicle battery voltage to protect battery drainage.
7. Set the time your KP2 stays awake during its Wake-up Interval by choosing a **Register Interval**.
8. Set a time that your KP2 powers on again after shutting down by selecting your **Wake-up Interval**.



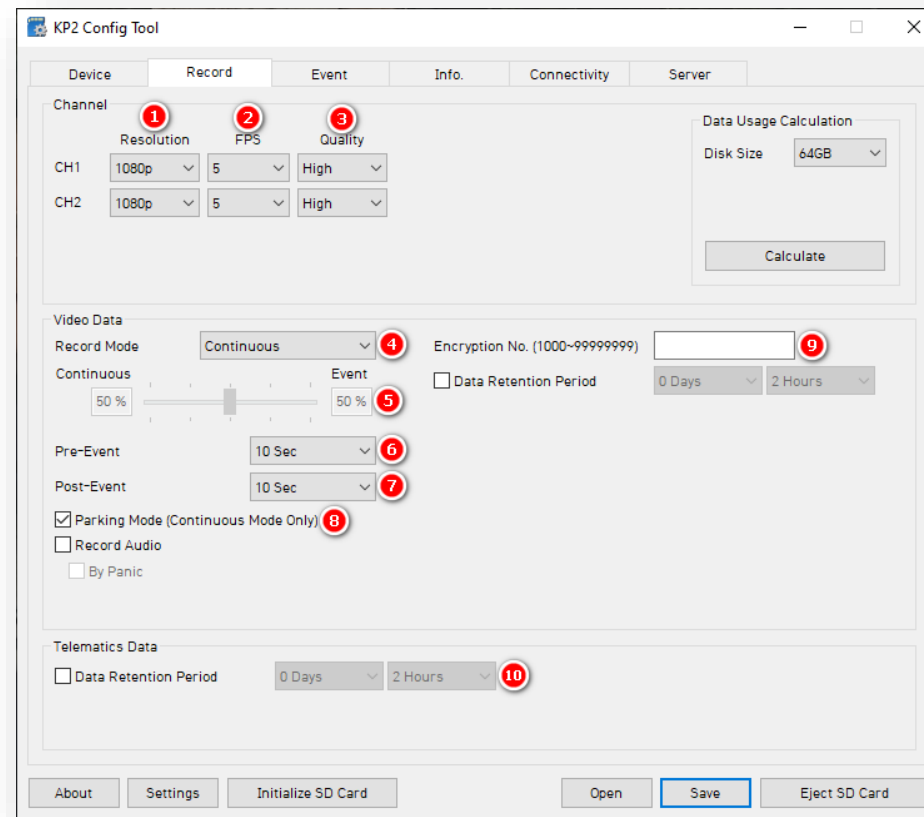
The screenshot displays a configuration window titled "Power ON/OFF" with the following settings:

Parameter	Value	Annotation
Delayed Power Shutdown	00 : 15	5
Power Off Voltage (10000~50000)	11000 mV	6
Register Interval	00 : 00	7
Wake-up Interval	Off	8

# Record

## 4.2 How to Configure Record Tab

### Record Tab Layout: At a Glance

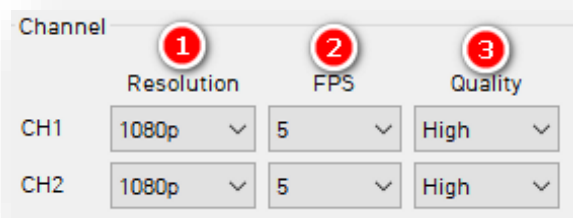


## Record

### Channel

1. Select your **Resolution** for **CH1, CH2**:
  - HD (**720p**), FHD (**1080p**).
2. Select from the following **Frame Rate (FPS)** options:
  - **30, 15, 10, 5, 4, 3, 2, 1** and **0**.
3. Choose your default video **Quality** from the following:
  - **Normal, High** or **Super** Bitrate. Higher-quality video contains more detail but consumes more storage space on the SD card.

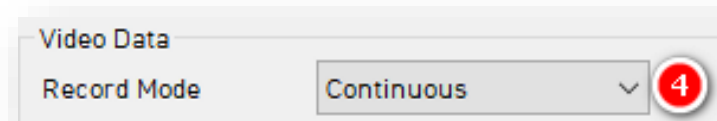
**Note:** Selecting different video recording options may affect your on-device storage capacity.



Channel	1 Resolution	2 FPS	3 Quality
CH1	1080p	5	High
CH2	1080p	5	High

### Video Data

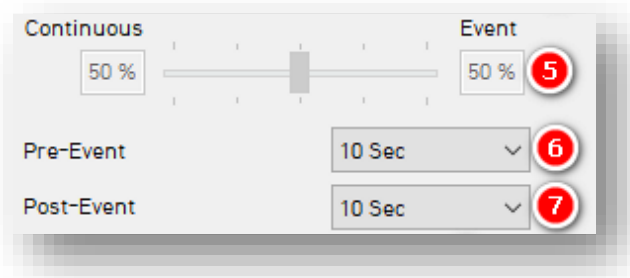
4. Select your preferred **Record Mode**:
  - **Event:** Events only. Pre and post-event settings determine recording settings.
  - **Continuous (Default & Recommended):** Video continuously records. No events record separately on the SD card (Events are still sent to SmartAPI if configured on the [Server](#) tab). This setting renders pre and post event capture settings void.
  - **Continuous+Event:** Video continuously records at 1 FPS. Events will record at your chosen FPS.



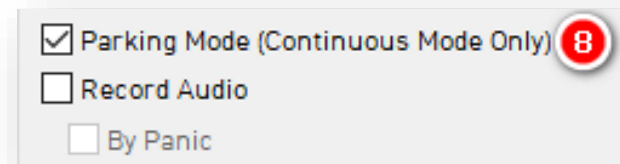
Video Data
Record Mode
Continuous

## Record

5. Set the **Continuous+Event** ratio of video data recording (applicable only when you set Continuous+Event record mode).
6. Select your **Pre-Event** setting to determine the amount of time video records before an event
7. To set the amount of time video records after an event, select a **Post-Event** setting.



8. **Parking Mode** reduces your camera's FPS to 1 when your vehicle is idle for 5 min.
  - Click **Record Audio** to turn on the device's internal microphone for audio recording.
  - Click **By Panic** to trigger audio recordings only when you press the panic button. In this case, audio records for 2 minutes.

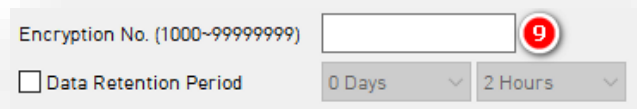


## Record

9. Protect SD card data from being easily viewable by entering a 4 to 8-digit

### Encryption No.

- Set how long video data remains on the SD card before being rewritten via **Data Retention Period**.

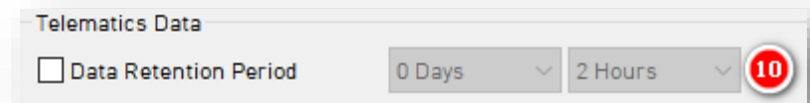


Encryption No. (1000-99999999)  9

Data Retention Period 0 Days 2 Hours

## Telematics Data

10. Select the **Data Retention Period**, or how long telematics data (DRV file) remains on the SD card before being rewritten.
  - Use the **Data Usage Calculation** to estimate your SD card's storage capacity based on your applied recording settings.



Telematics Data

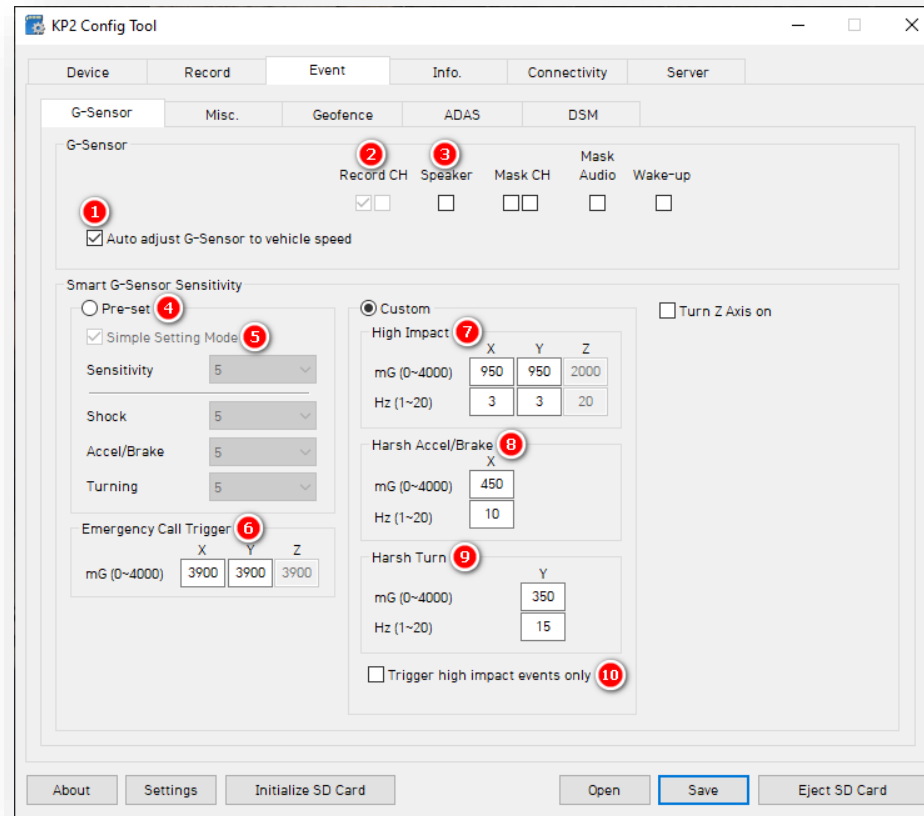
Data Retention Period 0 Days 2 Hours 10

# Event

## 4.3 How to Configure Event Tab

### 4.3.1 G-Sensor Fields

#### Event > G-Sensor Tab Layout: At a glance

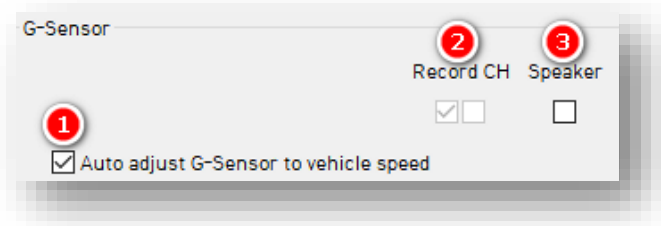




## Event > G-Sensor

### G-Sensor

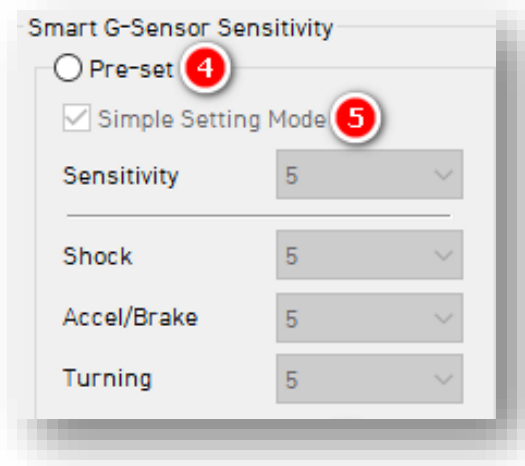
1. Automatically scale G-Sensor speed thresholds by clicking **Auto adjust G-Sensor to vehicle speed**. This increases your G-Sensor event threshold on each axis by 300mcg when your vehicle speed exceeds 20 km/h.
2. To specify event recordings for camera channels 1 and 2, check **Record CH**.
  - Only available for Event and Continuous+Event modes.
3. Turn on in-vehicle notifications for G-Sensor event triggers by clicking **Speaker**.



### Smart G-Sensor Sensitivity

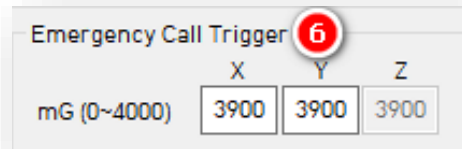
Determine your G-Sensor sensitivity with **Pre-Set** or **Custom** options.

4. To set general sensitivity settings, check **Pre-Set**. Lower sensitivities result in fewer G-Sensor-related events. Higher sensitivities result in more events.
  - Disable **Simple Setting Mode** to set **Shock, Accel/Brake** and **Turning** settings.
5. To set an overall G-Sensor sensitivity, click **Simple Setting Mode**, then **Sensitivity**.

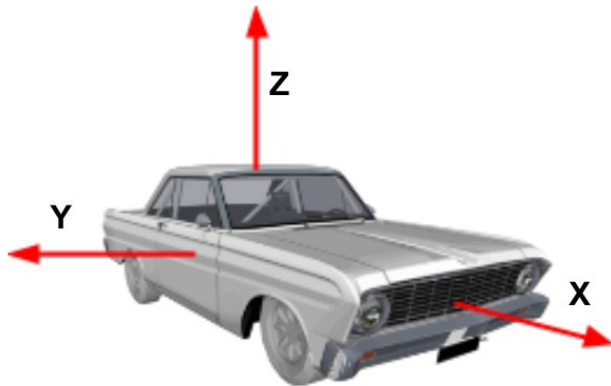


## Event > G-Sensor

- Events generate when the X, Y or Z axis acceleration exceeds the set G-Sensor threshold for **Emergency Call Trigger** (Severe Shock).



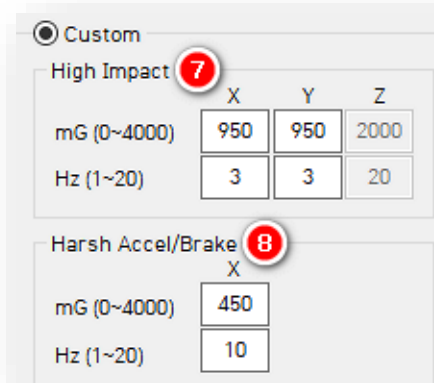
Emergency Call Trigger <span style="color: red; font-weight: bold;">6</span>			
	X	Y	Z
mG (0~4000)	3900	3900	3900



Click **Custom** to set personalized G-Sensor sensitivity settings.

- High Impact** events occur if acceleration exceeds the X, Y or Z axis threshold (Activate the Z axis via **Turn Z Axis on**).
- Harsh Accel/Brake** events generate if acceleration exceeds X, Y or Z axis thresholds.

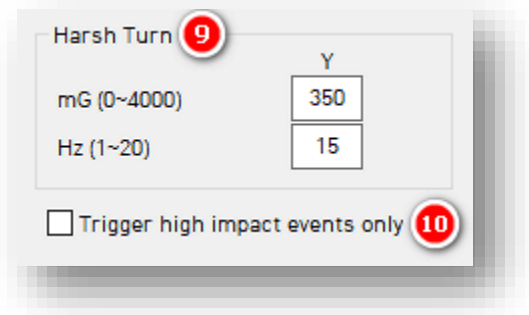
**Note:** Hz values set the number of times in a row the device's G-Sensor must exceed the X, Y or Z thresholds to trigger a harsh event.



Custom			
High Impact <span style="color: red; font-weight: bold;">7</span>			
	X	Y	Z
mG (0~4000)	950	950	2000
Hz (1~20)	3	3	20
Harsh Accel/Brake <span style="color: red; font-weight: bold;">8</span>			
	X		
mG (0~4000)	450		
Hz (1~20)	10		

## Event > G-Sensor

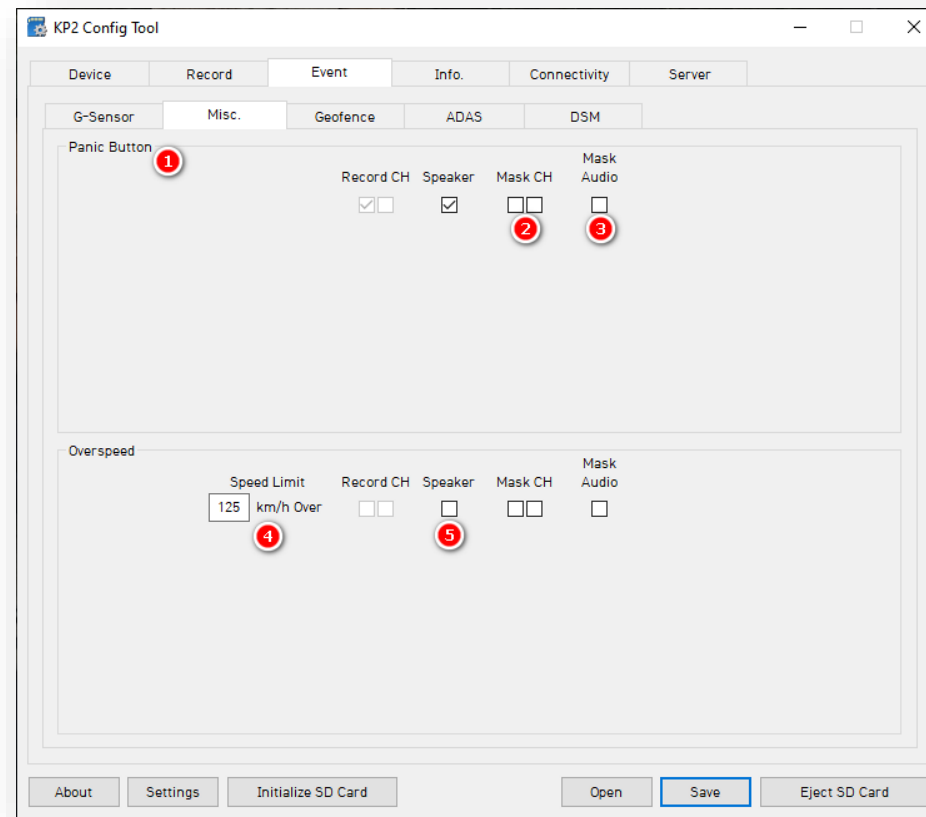
9. **Harsh Turn** events occur if acceleration exceeds the X, Y or Z axis threshold.
10. Check **High Impact Trigger** to limit alerts to high-impact events. This disables Accel/Brake and Turn events.



## Event > Misc.

### 4.3.2 Misc. Fields

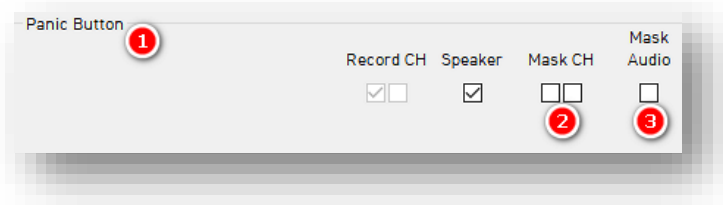
#### Event > Misc. Tab Layout: At a Glance



## Event > Misc.

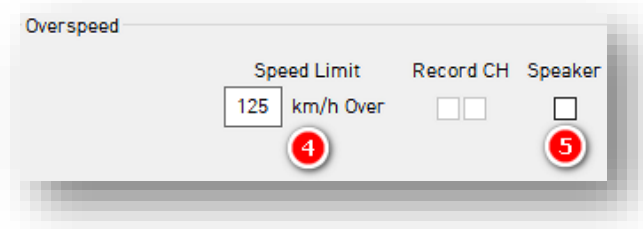
### Panic Button

1. Determine your **Panic Button** response settings.
2. To obscure camera channels 1 and 2 during Panic events, check **Mask CH**.
3. To prevent the device's audio recording during Panic events, check **Mask Audio**.



### Overspeed

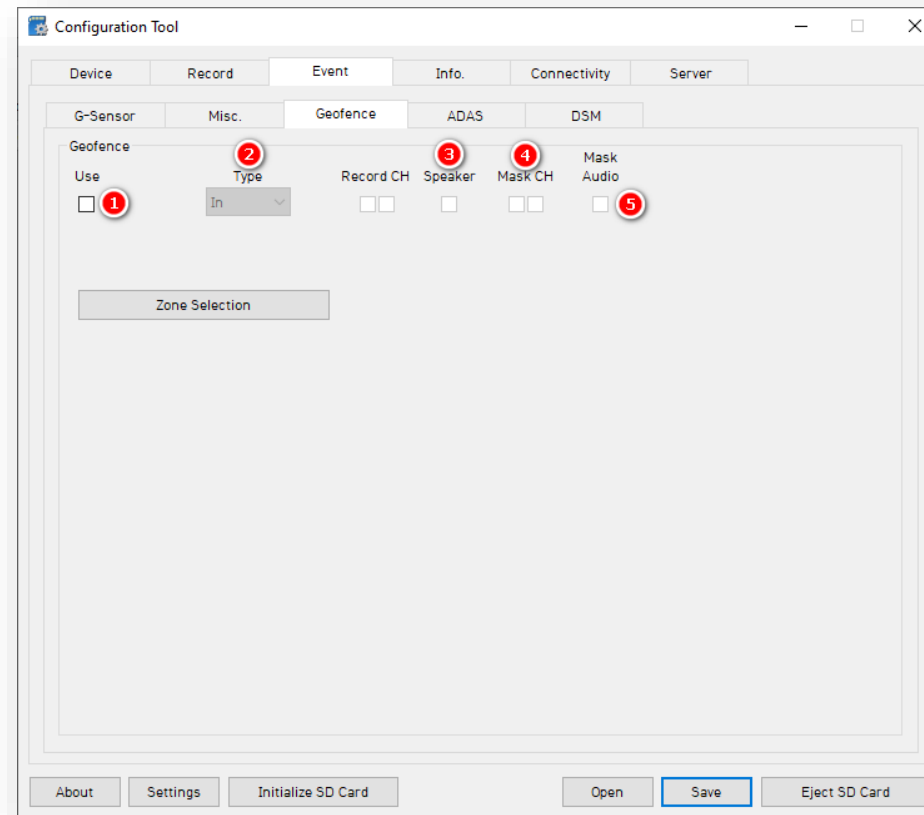
4. Set your speed threshold for recording Overspeed events by entering a **Speed Limit**.
  - This accounts for vehicle speed only, not posted speed limits.
5. Turn on audible alerts for Overspeed events by clicking **Speaker**.



## Event > Geofence

### 4.3.3 Geofence Fields

#### Event > Geofence Tab Layout: At a Glance

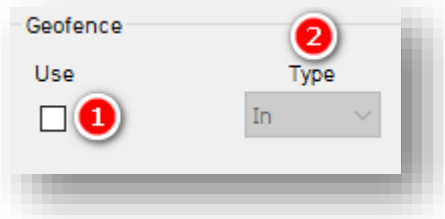


## Event > Geofence

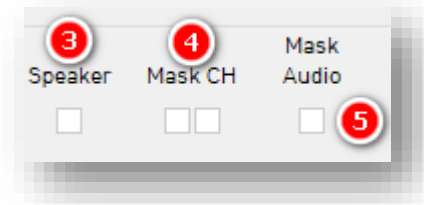
### Geofence

Set virtual boundaries for your device to trigger Geofence events.

1. To trigger a Geofence, check **Use**.
2. Select the **Type** of Geofence.
  - **In** activates a Geofence when the vehicle *enters* a geographic boundary.
  - **Out** activates a Geofence when the vehicle *exits* a geographic boundary.



3. Audibly notify drivers that they've crossed a Geofence's boundary by clicking **Speaker**.
4. To obscure camera channels 1 and 2, check **Mask CH**.
5. To prevent audio recording within a Geofence, click **Mask Audio**.



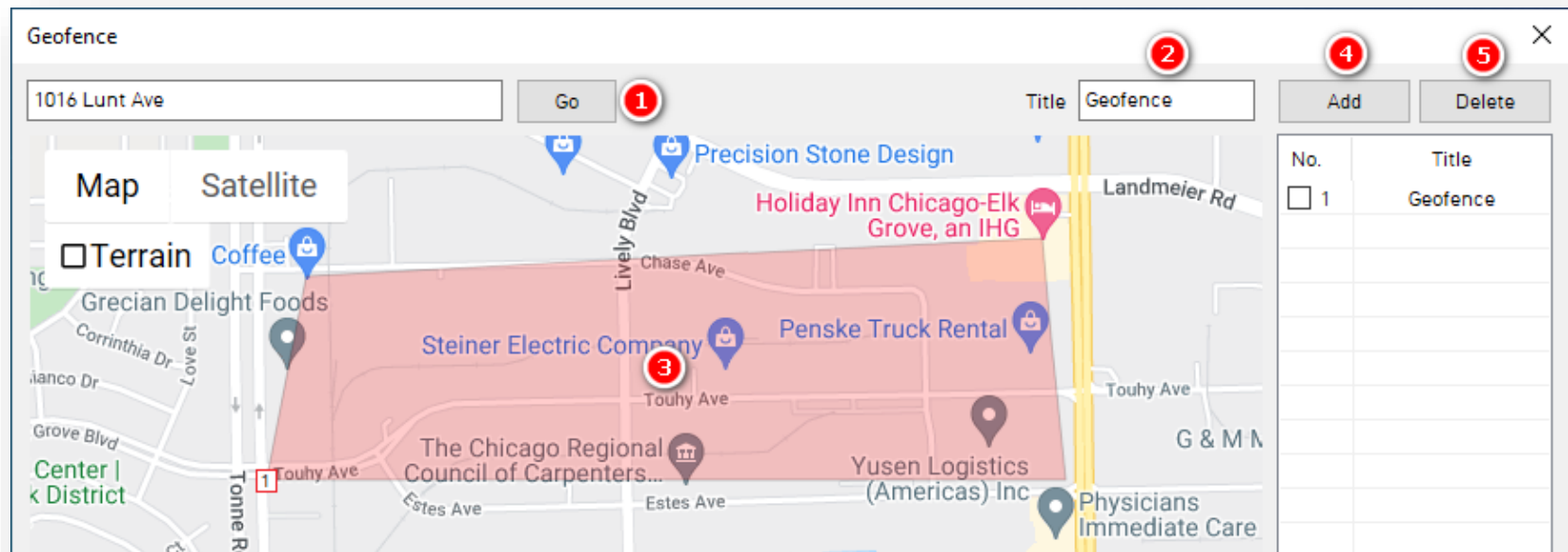
## Event > Geofence

### Zone Selection

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

1. Search for a geographic region by entering an address and clicking **Go**.

2. Change the name of your Geofence in the **Title** text field.
3. Click on the map to set a perimeter. The area in **red** is your Geofence.
4. Set your Geofence by clicking **Add**.
5. To remove a Geofence, check **No.** and click **Delete**.

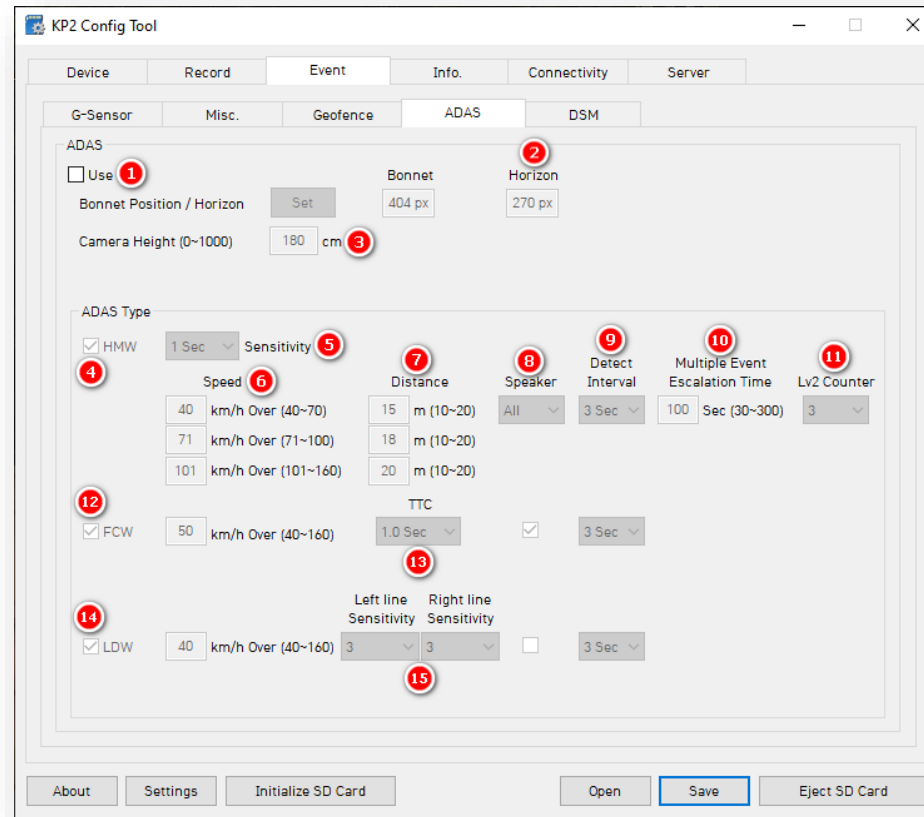




# Event > ADAS

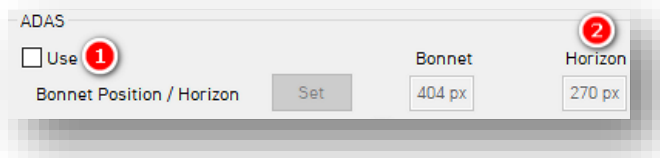
## 4.3.4 ADAS Fields

### Event > ADAS Tab Layout: At a Glance

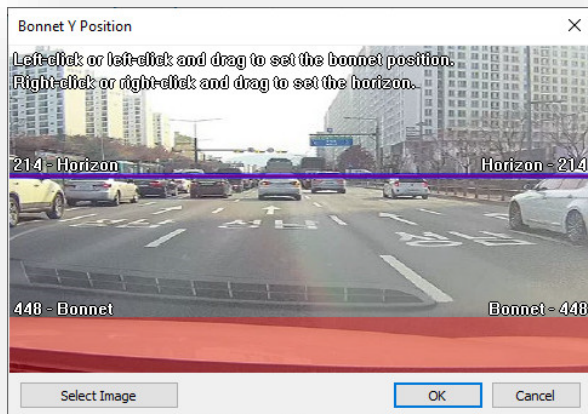


## Event > ADAS

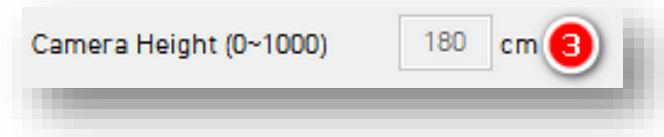
1. Turn on ADAS feature capabilities by clicking **Use**. This gives you access to enable ADAS events and change individual settings independently.
2. To mark the **Bonnet Position** (vehicle hood's horizontal pixel line) and **Horizon** line, click **Set**.



- Use the pop-out window to set each line and click **OK** to save.



3. Mark the **Camera Height** on the windshield. This measurement is from the ground to the center of the camera lens. Set your camera height in 10cm increments.
  - Example: if the height is 173cm, set the **Camera Height** as 170cm.
  - This setting is integral to proper ADAS calibration, so ensure you have inputted measurements correctly.



## Event > ADAS

### ADAS Type

4. Click **HMW** to activate the event type.
5. To set the amount of time your vehicle must be within a speed/distance window to trigger an event, select a **Sensitivity**.
6. Establish the **Speed** range for event activation. The configurable threshold must be surpassed for HMW in each speed window. Within this window, events will trigger.
7. Set the **Distance** threshold. An event triggers if this distance, measured from the front end of the driver's vehicle to the rear of the vehicle ahead, is breached and the speed threshold is surpassed.

ADAS Type

HMW

1 Sec Sensitivity

Speed Distance

40	km/h Over (40~70)	15	m (10~20)
71	km/h Over (71~100)	18	m (10~20)
101	km/h Over (101~160)	20	m (10~20)

8. To determine the conditions for in-cabin alerts, select a **Speaker** setting. **All** plays Lv1 and Lv2 audio alerts.

**Note:** You can determine the type of sound received by drivers [here](#).

9. Define a time, or **Detect Interval**, during which KP2 disregards repeated event instances.
  - Example: If the interval is set to 10 sec, and an event triggers continuously for 10 sec, only one event is delivered.

Speaker Detect Interval

All 3 Sec

## Event > ADAS

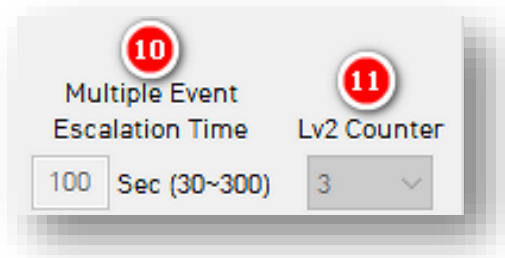
### 10. Select a **Multiple Event Escalation Time**.

If the vehicle exceeds the number of tailgating instances set in Lv2 Counter during the Escalation Time, event severity escalates to Lv2 or “Level 2.”

- Example: A time of 100 seconds with an Lv2 setting of “3” is set. If an event triggers more than three times, the event raises to Lv2.

### 11. Choose the **Lv2 Counter** or number of event instances required during the Escalation Time to raise severity.

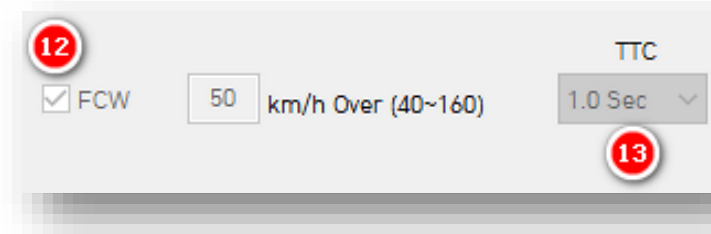
**Note:** Multiple Event Escalation Time and Lv2 Counter manage event reporting. They are not correlated with event detection sensitivity.



### 12. Check **FCW** to enable the event type.

### 13. **TTC**, or Time to Collision, is a value that determines the amount of time until approximate collision.

- TTC is based on the driver’s vehicle speed and the apparent speed of the vehicle ahead.
- We recommend that the *higher* your speed threshold, *the greater* the TTC setting.
- TTC resolution time is as follows:
  - 0.1 sec if TTC < 1 sec
  - 0.5 sec if TTC > 1 sec



## Event > ADAS

14. Select **LDW** to enable the event type.
15. Set the **Left line** and **Right line Sensitivity**. This determines the AI confidence level regarding solid lane line detection.
  - Lower line detection sensitivity results in *fewer* events triggered.
  - The *higher* the line detection sensitivity, the *greater* number of events triggered.
  - A setting of **3** is recommended.

**Note:** LDW lane detection does not incorporate color recognition.

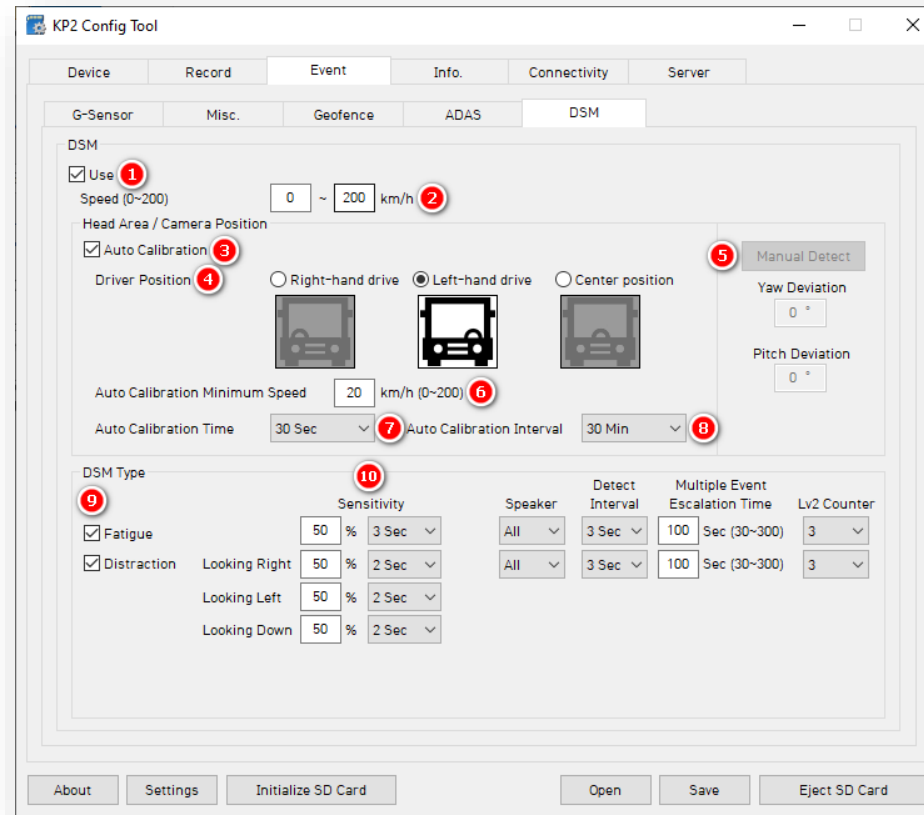


The screenshot shows a configuration window for ADAS. On the left, a red circle with the number '14' is next to a checked checkbox labeled 'LDW'. To its right is a text input field containing '40' and the label 'km/h Over (40~160)'. On the right side, there are two columns: 'Left line Sensitivity' and 'Right line Sensitivity'. Both columns have a dropdown menu showing the value '3'. A red circle with the number '15' is positioned below the 'Right line Sensitivity' dropdown.

# Event > DSM

## 4.3.5 DSM Fields

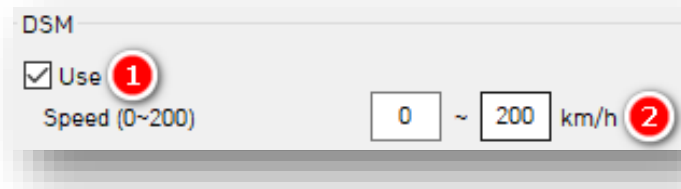
### Event > DSM Tab Layout: At a Glance



## Event > DSM

### DSM

1. Activate DSM event capabilities by clicking **Use**. This gives you access to enable DSM events and change individual settings independently.
2. Limit DSM events to a specified range by setting **Speed** values.



**Note:** Changing minimum speed values within the speed range affects the device's autocalibration capabilities. Ensure the minimum DSM **Speed** value does not exceed the **Auto Calibration Minimum Speed**.

### Head Area/Camera Position

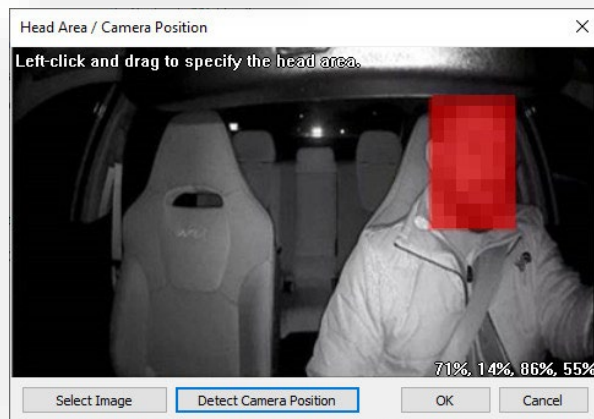
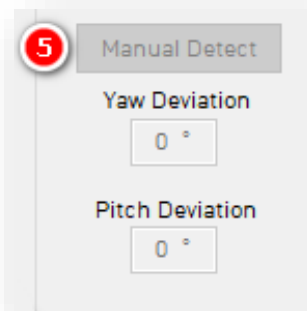
You may automatically or manually set a driver's position. See steps 3-5 for automatic or step 6 for manual calibration.

3. To automatically recalibrate a driver's head and camera position for DSM event detection, click **Auto Calibration**.
4. Select the **Driver Position** in the vehicle.



## Event > DSM

- To manually mark a driver's head area, click **Manual Detect**. Only use this feature if the driver's head position is fixed.
  - Use the pop-up window to specify the area and click **OK**.



**Yaw Deviation** calculates automatically once the driver's head area is set.



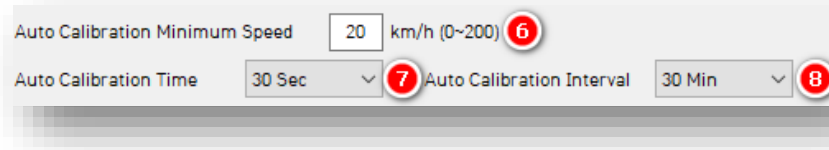
**Pitch Deviation** calculates automatically once the driver's head area is set.





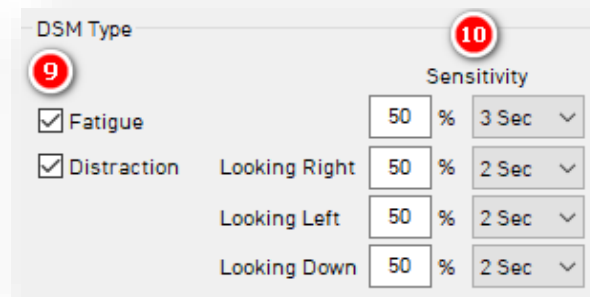
## Event > DSM

- Specify a threshold to enable auto calibration functions via **Auto Calibration Minimum Speed**. It is recommended to set a speed above 30 km/h to improve calibration accuracy.
- Choose the **Auto Calibration Time** for your camera (30 sec recommended).
- To set a threshold for the device auto re-calibration period, select an **Auto Calibration Interval**.



## DSM Type

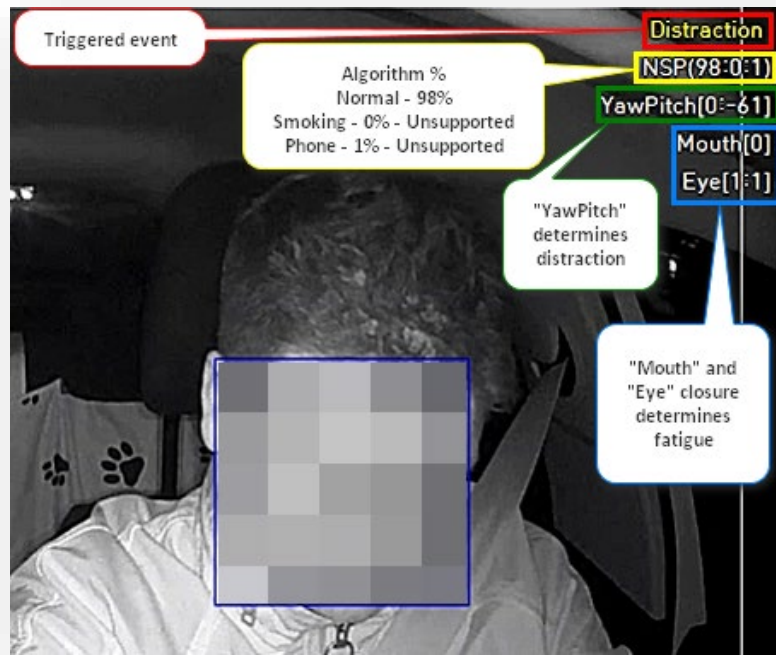
- To assign various DSM triggers, check behaviors like **Fatigue** and **Distraction**.
- Set a **Sensitivity %** and the time necessary to trigger an alert.
  - Example:** A fatigue event triggers when eyelid closure occurs for 3 or more seconds or if yawning exceeds 50% (2.5 cm) for the same period.



**Note:** Review details about other settings, such as Multiple Event Escalation Time, [here](#). Despite these values being ADAS settings, the logic is the same.

## Event > DSM

Review the image and corresponding values below to see how edge analysis identifies a DSM event.



**Note:** "Drowsiness" in the settings.ini file equates to "Fatigue" in the configuration tool.

## Info > Service

### 4.4 How to Configure Info Tab

#### 4.4.1 Date/Time Fields

Setting time preferences on your KP2 is **not recommended**. PC Viewer software and SmartAPI automatically adjust UTC to your local time zone. **If you've connected your KP2 to SmartAPI, do not set time preferences.**

1. Set a customized date and time range for **Daylight Savings Time**.
2. Ensure GPS time syncs with device OS time by clicking **Time Sync**.
3. Use PC Viewer software to set your device's time zone by clicking **Retrieve time settings from my PC**.

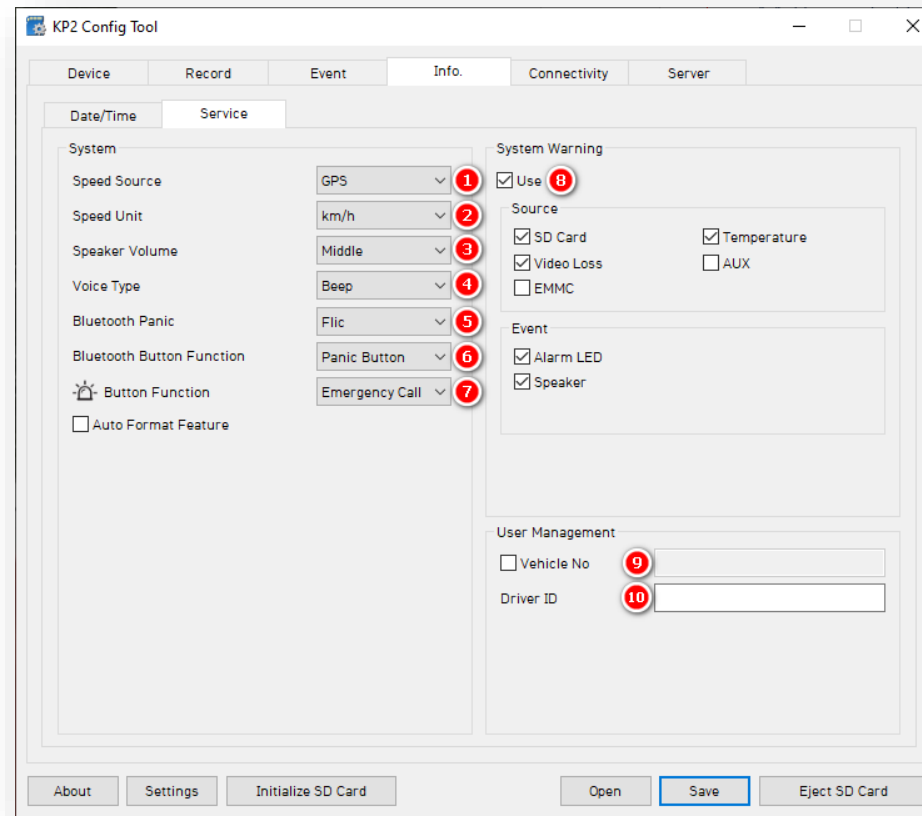
The screenshot shows a configuration window with two tabs: 'Date/Time' (selected) and 'Service'. The 'Date/Time' tab contains the following elements:

- Time Zone:** A dropdown menu currently set to 'UTC'. A red circle with the number '3' is positioned above the 'Retrieve time settings from my PC' button.
- Daylight Saving Time:** An unchecked checkbox. A red circle with the number '1' is positioned to its right.
- Start:** A row of four dropdown menus: 'Jan.', '1st', 'Sunday', and '8 o'clock'.
- End:** A row of four dropdown menus: 'Jan.', '1st', 'Sunday', and '8 o'clock'.
- Time Sync:** A checked checkbox. A red circle with the number '2' is positioned to its right.

## Info > Service

### 4.4.2 Service Fields

#### Info > Service Tab Layout: At a Glance



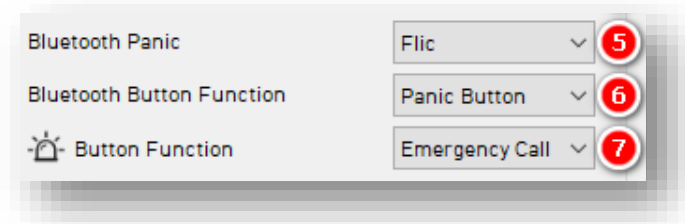
## Info > Service

### System

1. Your KP2 uses true vehicle speed data from the vehicle bus as a **Speed Source** whenever possible. Without vehicle speed data, the device will use GPS-sourced speed to inform related calculations (e.g., ADAS).
2. Set a preferred **Speed Unit**.
3. Set your device's audio levels by choosing a **Speaker Volume**.
4. Select the type of in-cabin alerts for ADAS/DSM events. Either **Beep** or **Voice 1**.

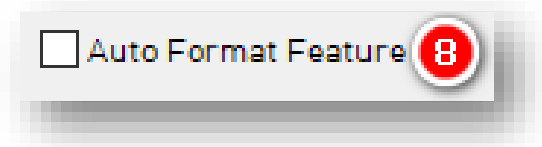


5. Pair your KP2 with a wireless **Bluetooth Panic** button. Find setup specifications on page 8 of the [KP2 User Guide](#). To find more detailed instructions, follow this [link](#). These instructions still apply, despite being for CP2.
6. Use your **Bluetooth Button Function** as an external **Panic Button** or for **Emergency Call** triggers.
7. Set your device's small black **Button Function**.



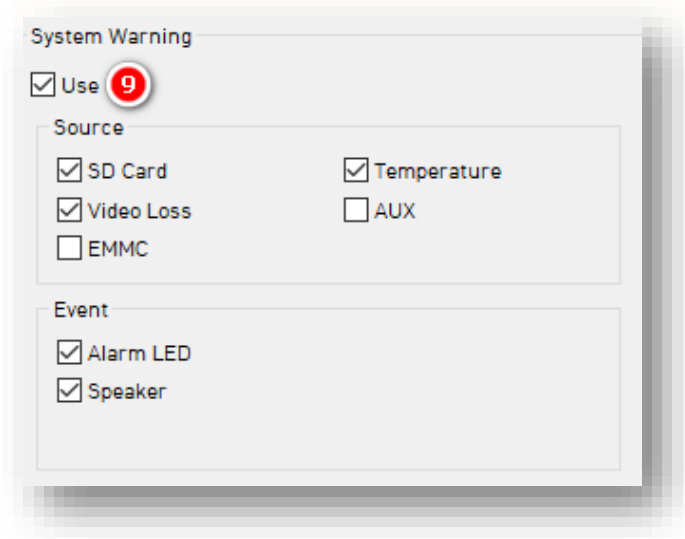
## Info > Service

8. KP2 executes SD card necessary maintenance automatically when the **Auto Format Feature** is on.
- This function formats blank SD cards automatically.
  - It will not format corrupted SD cards automatically. Instead, the device sends a “Media Error” event to the server. Optionally, an audible alarm and the red LED will turn on (see [System Warning](#)).



## System Warning

9. Provide system component corruption and failure notifications by clicking **Use**.
- Check any/all boxes to allow for those alerts.
  - System Warning **Event** types allow for specific alarms.



## Info > Service

### User Management

10. To assign a number to your vehicle, check **Vehicle No**, and enter a value.
11. Write a unique **Driver ID** for different vehicles.

**Note:** You can watermark **Vehicle No** & **Driver ID** on your MP4 converted video feed with PC Viewer software.

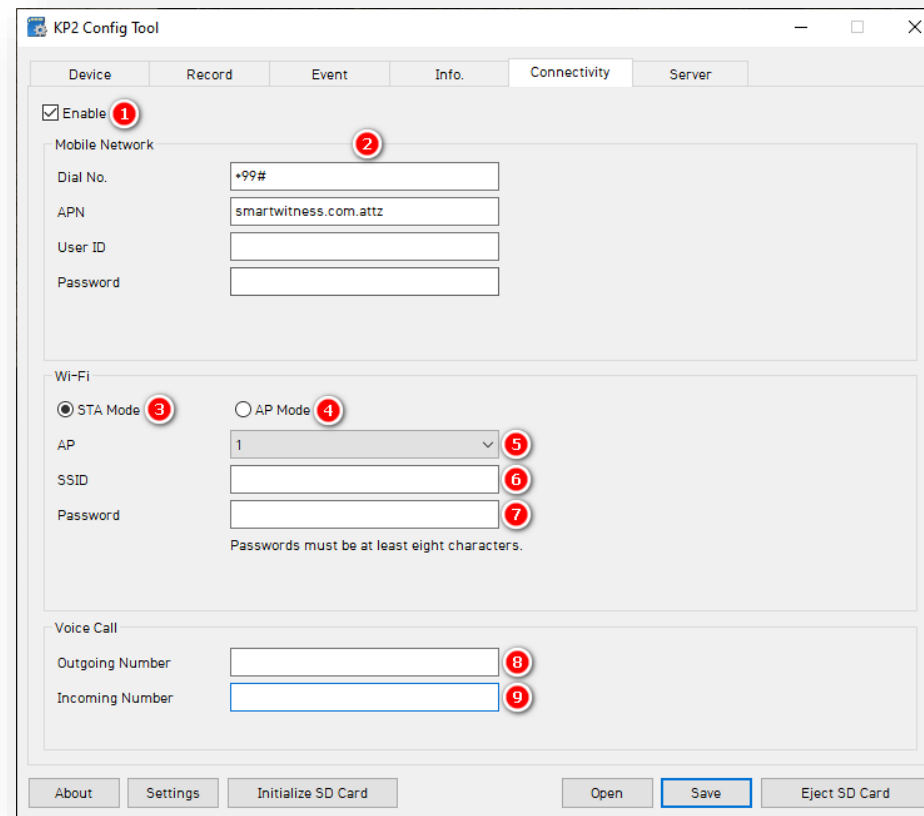


The screenshot shows a 'User Management' dialog box with two input fields. The first field is labeled 'Vehicle No' and has a red circular icon with the number '10' next to it. The second field is labeled 'Driver ID' and has a red circular icon with the number '11' next to it. Both fields are currently empty.

# Connectivity

## 4.5 How to Configure Connectivity Tab

### Connectivity Tab Layout: At a Glance





# Connectivity

## Mobile Network

1. Specify mobile and WIFI network settings by clicking **Enable**.
2. Add **Mobile Network** details to relevant fields.

A screenshot of a 'Mobile Network' settings form. At the top left, there is a checked 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 four input fields: 'Dial No.' with the value '+99#', 'APN' with the value 'smartwitness.com.attz', 'User ID' (empty), and 'Password' (empty).

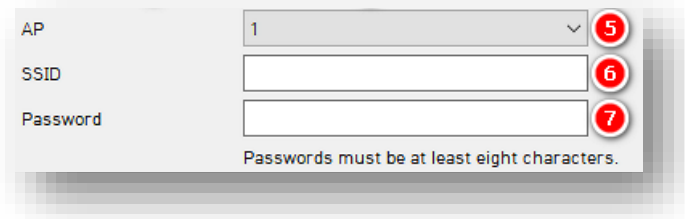
## Wi-Fi

3. If choosing a standard setup for your Wi-Fi connection, click **STA Mode**. Select this when connecting to an existing Wi-Fi network (in place of a cellular network connection).
4. When setting up your device as its own access point, click **AP Mode**. Select this if you are creating a network hotspot with your KP2.

A screenshot of a 'Wi-Fi' mode selection interface. It features two radio button options: 'STA Mode' and 'AP Mode'. The 'STA Mode' radio button is selected and has a red circle containing the number '3' next to it. The 'AP Mode' radio button is unselected and has a red circle containing the number '4' next to it.

## Connectivity

5. Set up to 10 Wi-Fi networks your KP2 can connect to for STA mode. Secure the access point with a password and WPA/WPA2 encryption.
6. The KP2 will scan for as many networks as are added in your settings.
7. Your **password** must be at least 8 characters.



AP 1 5

SSID 6

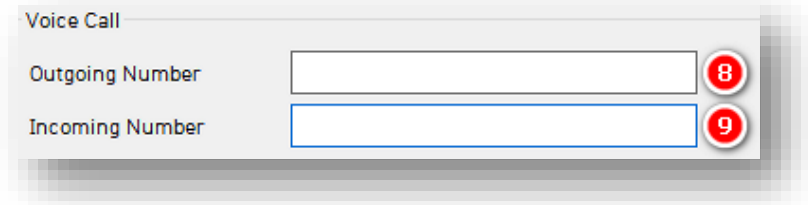
Password 7

Passwords must be at least eight characters.

## Voice Call

To use this feature, you must turn on **Emergency Call** and associate **Voice Call** with the on-device or external button functions (see [steps 6 & 7](#) in **Info > Service**). SIM cards require a phone number, and you must activate your SIM for voice communication.

8. Enter your **Outgoing Number**. Press the button associated with the Ecall function. A tone signals connection.
9. Enter your **Incoming Number**. This is the only phone number allowed to call into your KP2.



Voice Call

Outgoing Number 8

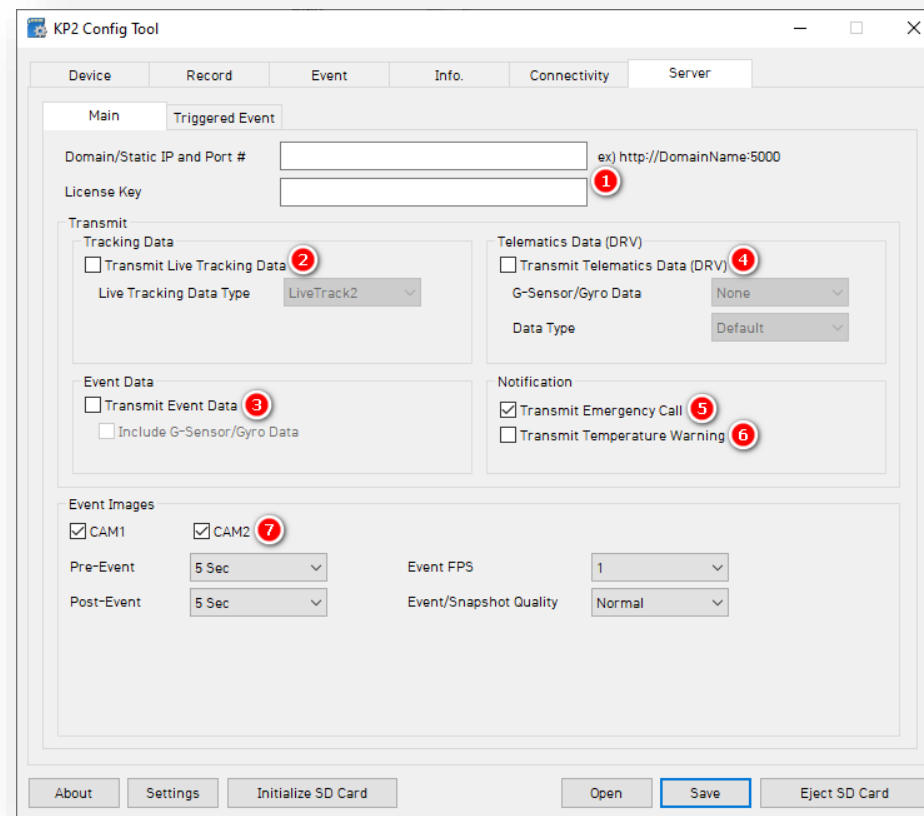
Incoming Number 9

# Server

## 4.6 How to Configure Server Tab

### 4.6.1 Main Fields

#### Server > Main Tab Layout: At a Glance



## Server > Main

### Server

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



Domain/Static IP and Port #  ex) http://DomainName:5000

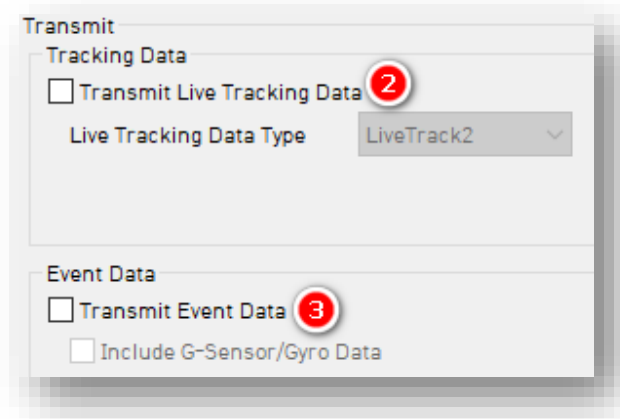
License Key

### Transmit

2. To send HTTP posts from your KP2 to the server, click **Transmit Live Tracking Data**. Select from **Live Tracking Data Type** options.

**Note:** Livetrack2 has GPS coordinates. LiveTrack3 does not.

3. To deliver event notifications and images to the server, select **Transmit Event Data**.



Transmit

Tracking Data

Transmit Live Tracking Data **2**

Live Tracking Data Type

Event Data

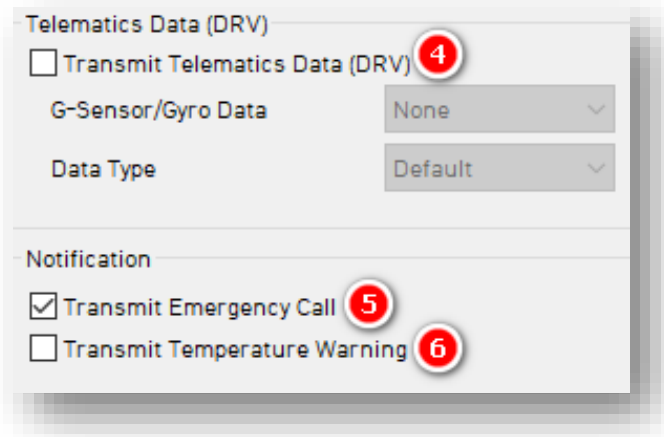
Transmit Event Data **3**

Include G-Sensor/Gyro Data

## Server > Main

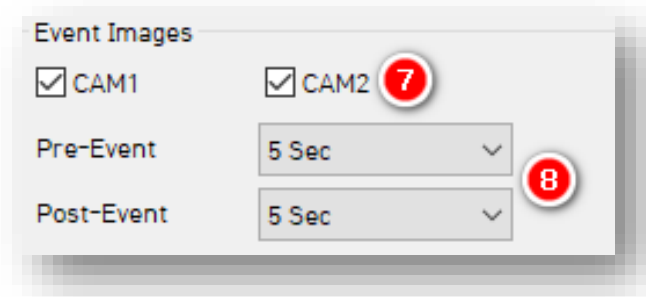
4. Send DRV data to the server by clicking **Transmit Telematics Data (DRV)**. 4 Hz is the recommended setting. This is the preferred frequency for *AIDE*.
5. To send Ecalls (Severe Shock) to the server, click **Transmit Emergency Call Notification**.
6. To relay device overheating issues to the server, select **Transmit Temperature Warning**.

**Note:** SmartAPI controls the frequency interval of LiveTrack and DRV uploads.

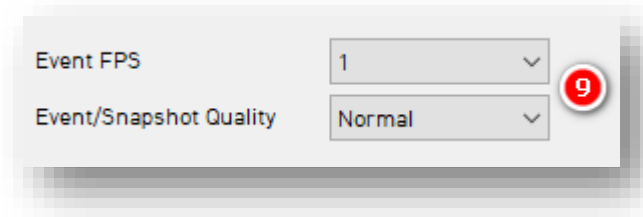


## Event Images

7. Choose which camera channels send event images to the server.
8. Determine snapshot timing before and after an event by selecting **Pre-Event** and **Post-Event** options.



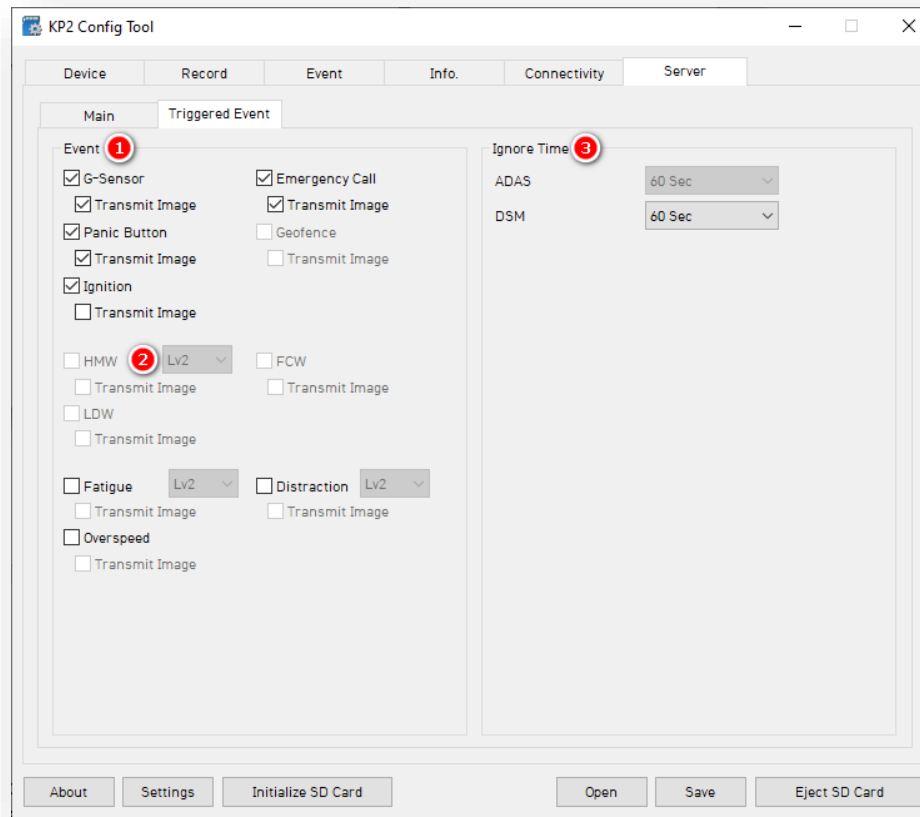
9. Select image capture settings for **Event FPS** and **Snapshot Quality**.



# Server > Triggered Event

## 4.4.2 Triggered Event Fields

### Server > Triggered Event Tab Layout: At a Glance

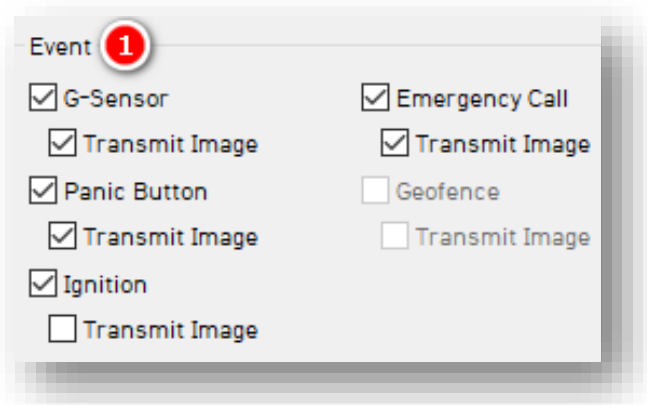


## Server > Triggered Event

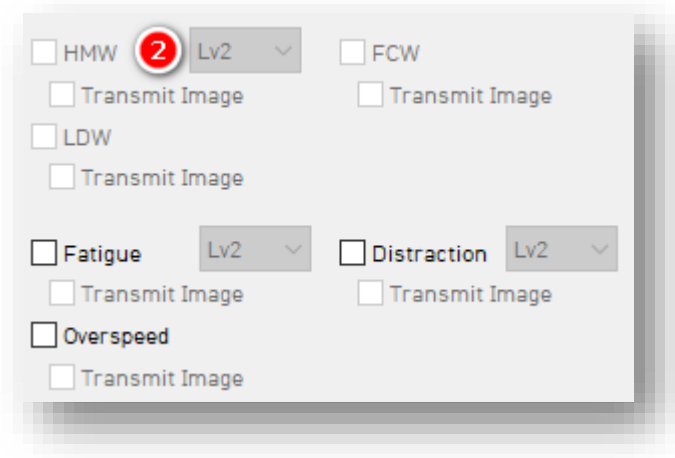
### Event

1. Decide what events and notifications your device send to the server by selecting options like **G-Sensor** and **Emergency Call** (Severe Shock). Events will send instantly, even if your device is in “Continuous” record mode.

**Note:** SmartAPI Workstation event admin controls dictate what events and event notifications are sent from SmartAPI to our partner’s servers.



2. Select the alert severity sent to the server. **Lv2** is a different event payload sent to the server. It is not a separate event type.



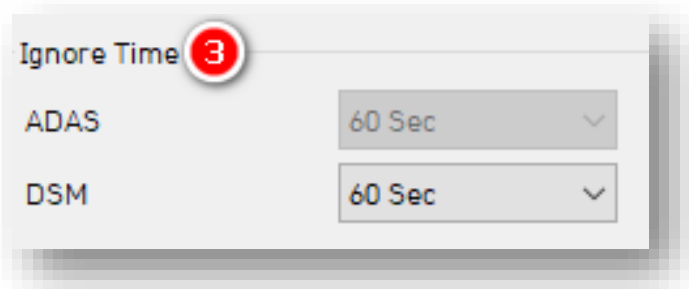
## Server > Triggered Event

### Ignore Time

**Ignore Time** sets the length of time repeated events are ignored for event uploads to the server. This is referred to as the “1-minute server rule.”

For **ADAS** and **DSM**, select either of the following:

- **Off**: Disables the feature.
- **60 Sec**: Enables the feature.





## Complete Your Configuration

### 5 Finishing Up/Support

**Goal:** Completing your Configuration

1. Click **Save** to set your finalized settings configuration.
2. Select **FHDM** SD drive when prompted. Your configuration saves to your card.
3. Wait for confirmation that the software applied your settings configuration.
4. Click **Eject SD Card**, insert it into KP2, and power on your device.
5. You have completed your configuration.

**Note:** Apply device configurations over the air from the SmartAPI Workstation. See the instructions [here](#). While KP2 is not mentioned, the same process applies.

#### 5.1 Support Information

If you need additional support or 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). If you are enrolled in SWAT, reach out to the integration team via Teams with any device configuration questions.

Feel free to call our support team:

- **North America, South America, APAC**

+1 (312) 981 8774

- **EMEA**

+44 (0) 1483 397005