

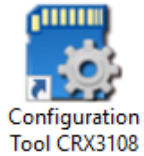
Sensata INSIGHTS CRXS

Device Configuration Guide



Model #: CRX-3108

CRX Setup and Configuration



[Download the CRXS configuration tool](#)

1. Install and open the configuration tool:
2. Insert SD Card into your PC (Max 128GB SD card supported).
 1. Click 'Initialize SD Card'
 2. Select the SD card from File Explorer.
 3. Click "Start" to initialize.
 4. Apply your desired settings (or click "Open" to load existing settings).
5. Click "Save" to apply to SD card.
6. Eject Card safely from your PC.

*SD cards can also be removed from the CRX to review video and data. For this, the INSIGHTS PC viewer software is required which you can [download here](#) or visit Support.smartwitness.com



Device Tab - Main

Camera

- Enable the desired camera channels.
- Camera title holds up to 10 digits.
- Adjust brightness & contrast levels.
- Specify image transformation as desired (Flip, Mirror, or both).

Signal & RPM(Optional)

These are optional input wires on the CRX I/O harness which can connect to tachometer's to receive the vehicle RPM and/or speed.

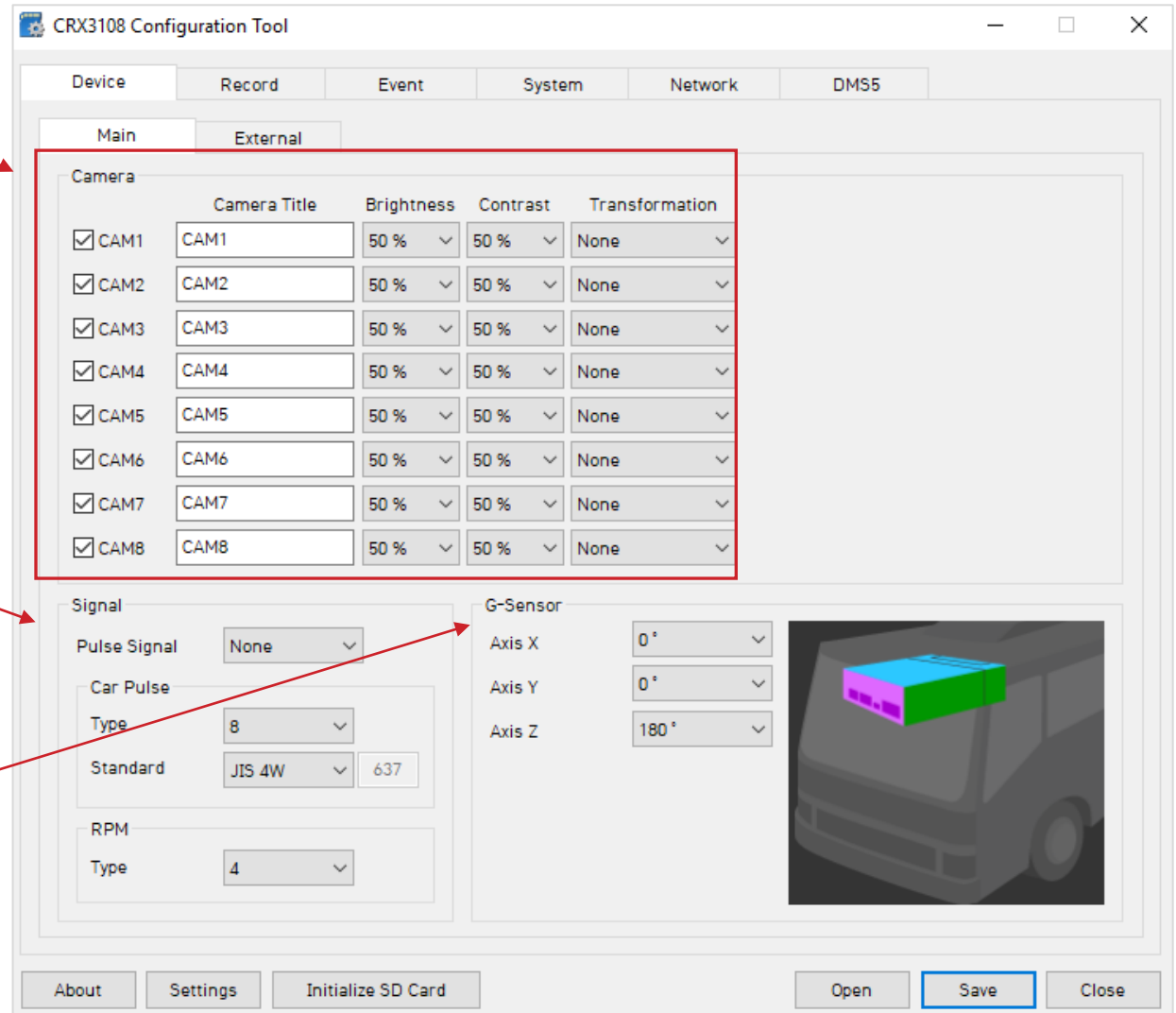
Pulse Signal Pull up, Pull Down

Car Pulse Type: 1 ~ 25
Standard: JIS 4W/JIS 2W, 3W/SAE/DIN/NA/MANUAL

RPM Type: 1 ~ 10

G-Sensor Axis

Set the CRX's installed position. This is Important for proper G-Sensor calibration and accurate drive data reporting.



Camera	Camera Title	Brightness	Contrast	Transformation
<input checked="" type="checkbox"/> CAM1	CAM1	50 %	50 %	None
<input checked="" type="checkbox"/> CAM2	CAM2	50 %	50 %	None
<input checked="" type="checkbox"/> CAM3	CAM3	50 %	50 %	None
<input checked="" type="checkbox"/> CAM4	CAM4	50 %	50 %	None
<input checked="" type="checkbox"/> CAM5	CAM5	50 %	50 %	None
<input checked="" type="checkbox"/> CAM6	CAM6	50 %	50 %	None
<input checked="" type="checkbox"/> CAM7	CAM7	50 %	50 %	None
<input checked="" type="checkbox"/> CAM8	CAM8	50 %	50 %	None

Signal

Pulse Signal: None

Car Pulse

Type: 8

Standard: JIS 4W 637

RPM

Type: 4

G-Sensor

Axis X: 0°

Axis Y: 0°

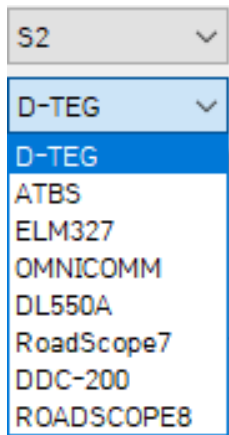
Axis Z: 180°

Device Tab - External

External Devices (Optional)

Used to enable the serial ports in order to connect an external device (such as Battery Backup device, RFID reader, and OBD reader).

- Select from S1~S6



EXT-Device Types:

D-TEG: Standard protocol

ATBS: OBD2

ELM327: OBD2

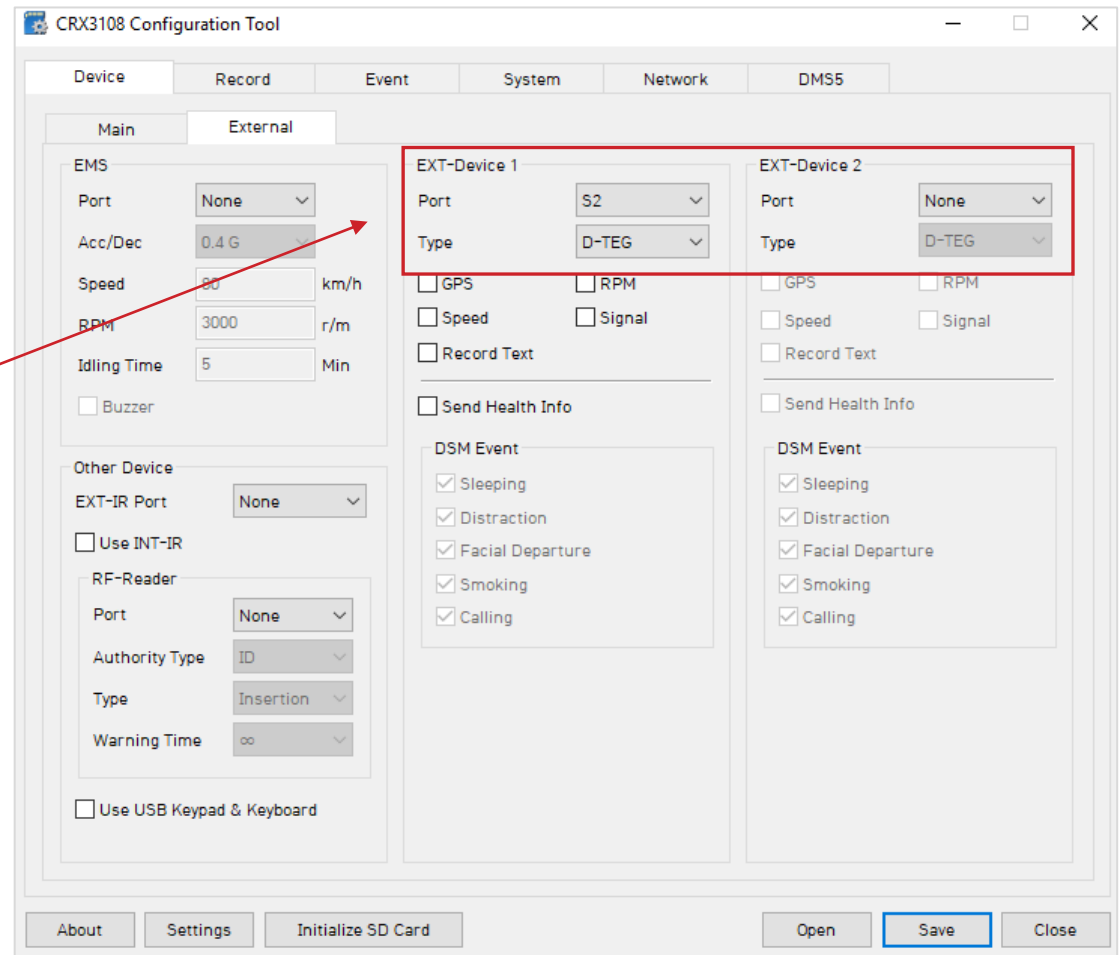
OMNICOMM:

DL550A: DSM (driver status monitoring) device

RoadScope7: ADAS for HK BUS

DDC-200: DSM (driver status monitoring) device

RoadScope8: ADAS Device



If using the BB900 backup battery device, you should set the S2 port as seen in the picture to the right (picture below of BB900 connected to CRX).



S2 port

DC IN port

Device Tab – External Cont.

GPS: When enabled, CRX will use GPS information from the external device.

RPM: When enabled, CRX will use RPM from the external device.

Speed: When enabled, CRX will use Car Pulse speed from the external device.

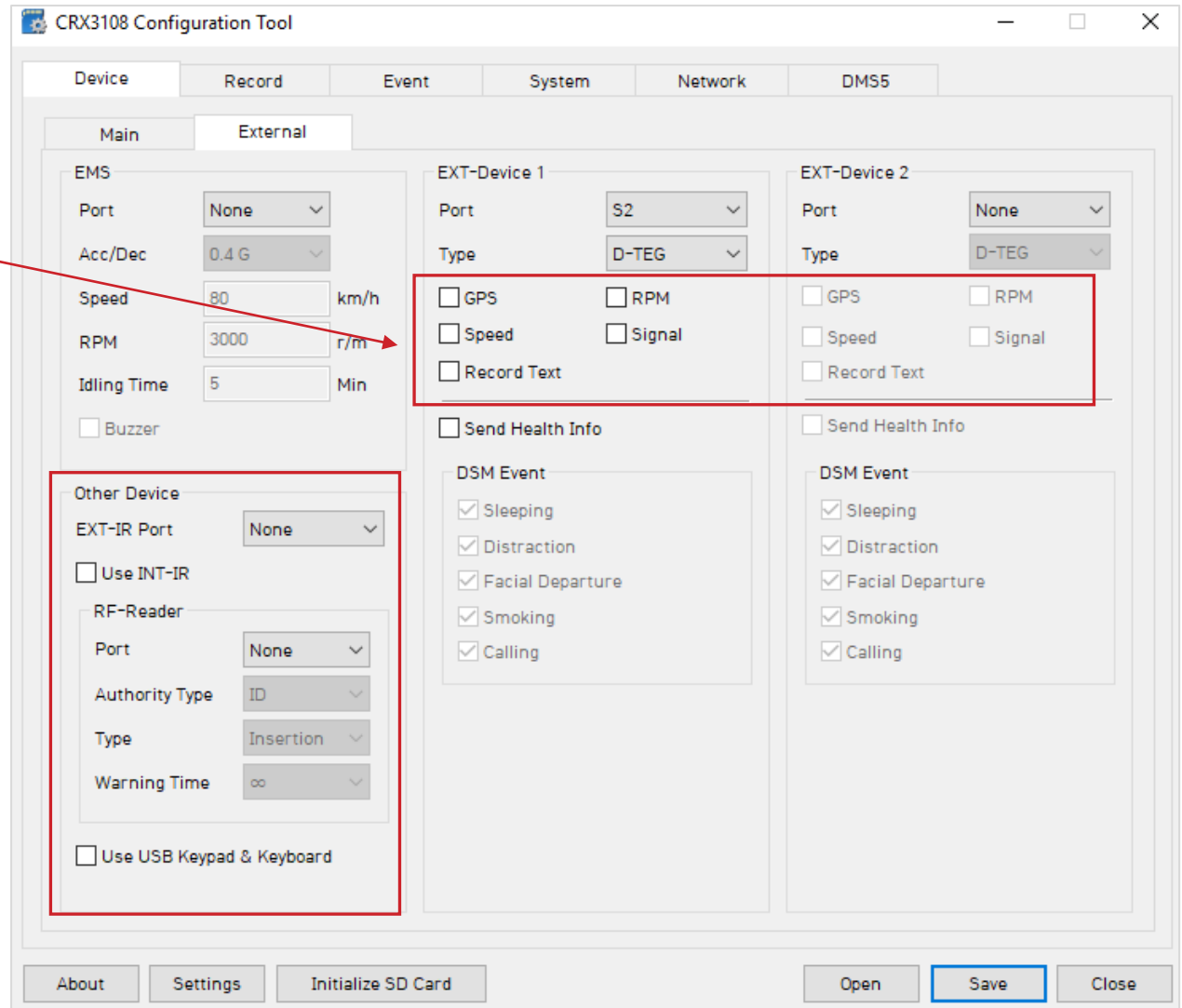
Alarm: When enabled, CRX will use the external device alarm.

Record Text: Record text into the MDT file.

Send Health Info: Only for the D-TEG standard protocol. Send CRX status information to an external device

Other Device:

- RF-ID Card: You can connect to a serial port or a USB port.
- Authority Type:
 - ID: a normal RF ID card.
 - JP License: Japanese driver license ID.
- Type:
 - Insertion: Insert type reader. Touch: Touch type reader.
- Warning Time: ∞ Warning continuously just after ignition on until ignition off.
- USB Key pad & Keyboard: You can connect the USB external keypad.



The screenshot shows the 'CRX3108 Configuration Tool' window with the 'External' tab selected. The 'EMS' section on the left has 'Port' set to 'None', 'Acc/Dec' to '0.4 G', 'Speed' to '80 km/h', 'RPM' to '3000 r/m', and 'Idling Time' to '5 Min'. The 'EXT-Device 1' and 'EXT-Device 2' sections have 'Port' set to 'S2' and 'D-TEG' respectively. A red box highlights the 'Other Device' section (with 'EXT-IR Port' set to 'None') and the checkboxes for 'GPS', 'RPM', 'Speed', and 'Record Text' in both external device sections. A red arrow points from the 'Speed' label in the text to the 'Speed' checkbox in the configuration tool. The 'DSM Event' section for both devices has 'Sleeping', 'Distraction', 'Facial Departure', 'Smoking', and 'Calling' checked. The 'Save' button is highlighted in blue.

Note: When using external device GPS, RPM, Speed and 'Alarm In', we cannot use the GPS, RPM, Speed and 'Alarm In' which connected to the CRX.

Record Tab

Channel

Resolution: Chose from CIF, HD1, D1, WD1, HD (720p), FHD (1080p), 3M, 4M or 5M. If using 1080p camera, it will occupy two channels (i.e. 1080p in Ch1, then Ch2 is not usable).

Frame Rate: Choose from 30, 15, 10, 5, 4, 3, 2, or 1.

Quality: Standard, High, or Super. (The lower the quality, the more compressed the video output).

Audio: Enable recoding for cameras with built in mic (Optional).

Record Modes

Event: Only events are recorded, event video duration determined by the pre & post event setting.

Continuous: Records video continuously, no events (events can still be sent to SmartAPI server if configured on the Server tab).

Dual Mode: Records continuous at 1FPS + events at the specified FPS.

Event Recording Duration Settings

Pre Rec-Time: To have a set of pre-recorded data for an event. Select from 0~5 seconds.

Post Rec-Time: To have a set of post-recorded data for an event. Select from 10~3600 seconds.

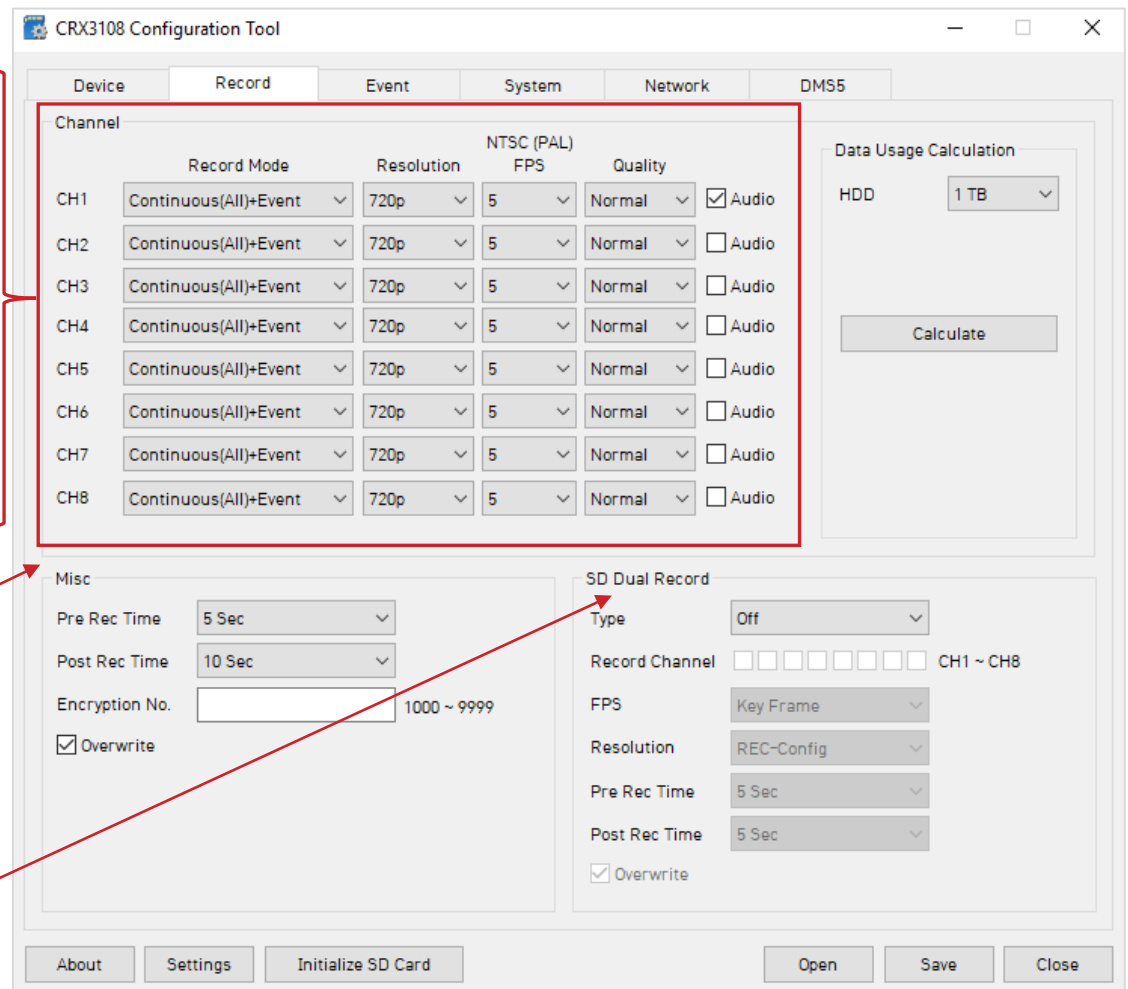
SD Dual Record: If SD card is connected to CRX, it can be used in the following ways:

Off: No data is being recorded (set if no SD card if being used).

Driving: Only driving data (DRV) is being recorded.

Event: Only Event video is saved to the SD card.

Continuous: 1FPS footage of continuous footage is saved to the SD.



The screenshot shows the 'Record' tab of the 'CRX3108 Configuration Tool'. The 'Channel' section is highlighted with a red box and contains the following table:

Channel	Record Mode	Resolution	NTSC (PAL) FPS	Quality	Audio
CH1	Continuous(All)+Event	720p	5	Normal	<input checked="" type="checkbox"/>
CH2	Continuous(All)+Event	720p	5	Normal	<input type="checkbox"/>
CH3	Continuous(All)+Event	720p	5	Normal	<input type="checkbox"/>
CH4	Continuous(All)+Event	720p	5	Normal	<input type="checkbox"/>
CH5	Continuous(All)+Event	720p	5	Normal	<input type="checkbox"/>
CH6	Continuous(All)+Event	720p	5	Normal	<input type="checkbox"/>
CH7	Continuous(All)+Event	720p	5	Normal	<input type="checkbox"/>
CH8	Continuous(All)+Event	720p	5	Normal	<input type="checkbox"/>

The 'Misc' section includes:

- Pre Rec Time: 5 Sec
- Post Rec Time: 10 Sec
- Encryption No.: [] 1000 ~ 9999
- Overwrite

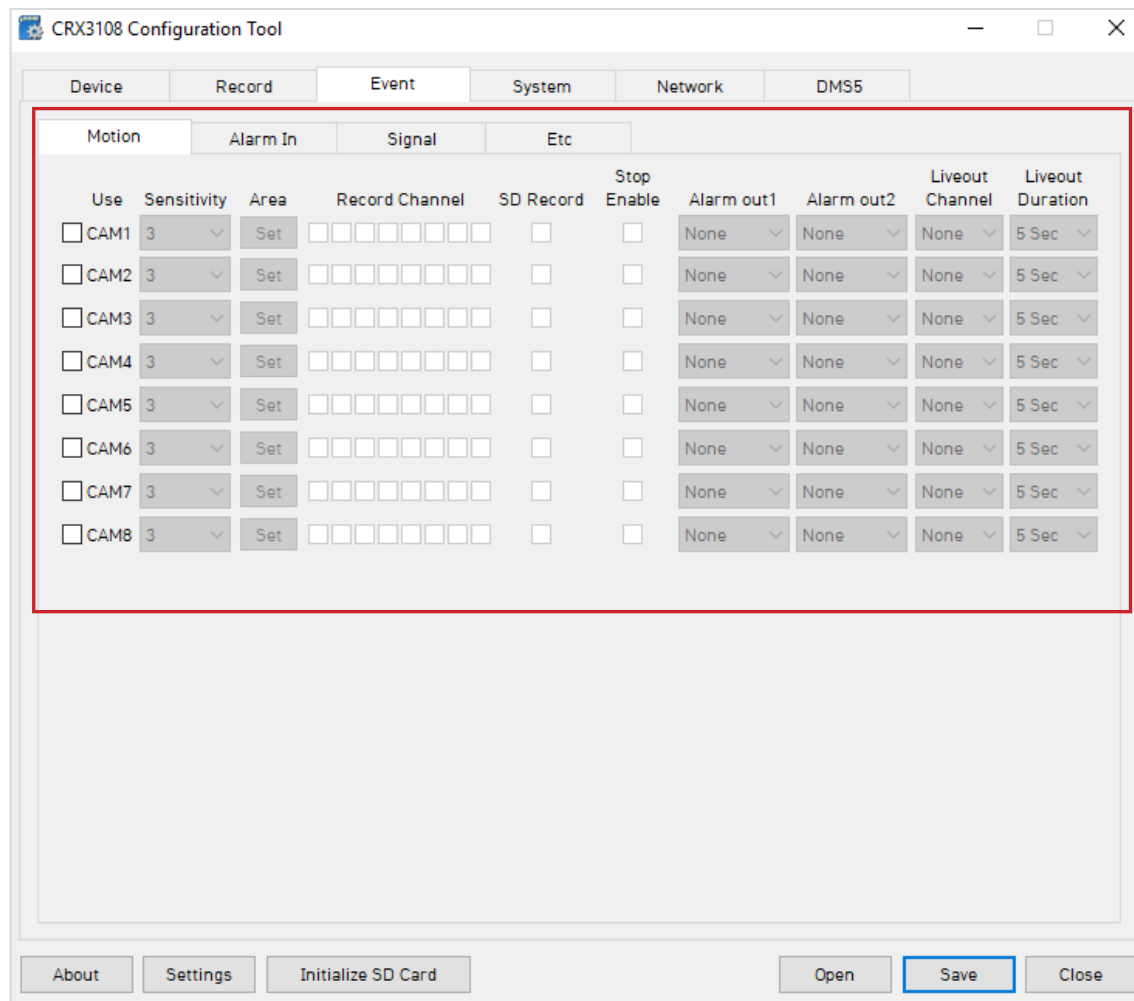
The 'SD Dual Record' section includes:

- Type: Off
- Record Channel: CH1 ~ CH8
- FPS: Key Frame
- Resolution: REC-Config
- Pre Rec Time: 5 Sec
- Post Rec Time: 5 Sec
- Overwrite

Event Tab – Motion

Motion

- **Use:** Enable the desired cameras to trigger motion.
- **Sensitivity:** Adjust sensitivity level (“1” less sensitive ~ “5” more sensitive).
- **Area:** Motion trigger area is set as the whole camera view by default, but it can be readjusted.
- **Record Channel:** Enable the camera(s) to record when the motion sensor is being triggered.
 - The record channel boxes are CH 1~8 from left to right.
 - Only channels that are selected from Device tab can be selected.
- Enable SD card record (Optional).
- **Stop/Enable:** The motion trigger.
- Alarm Out if selected will send 5V output from CRX to 3rd party device, for the duration selected in dropdown.
- **Liveout Channel:** Determine which camera channel will be displayed on LDC monitor when trigger is activated.

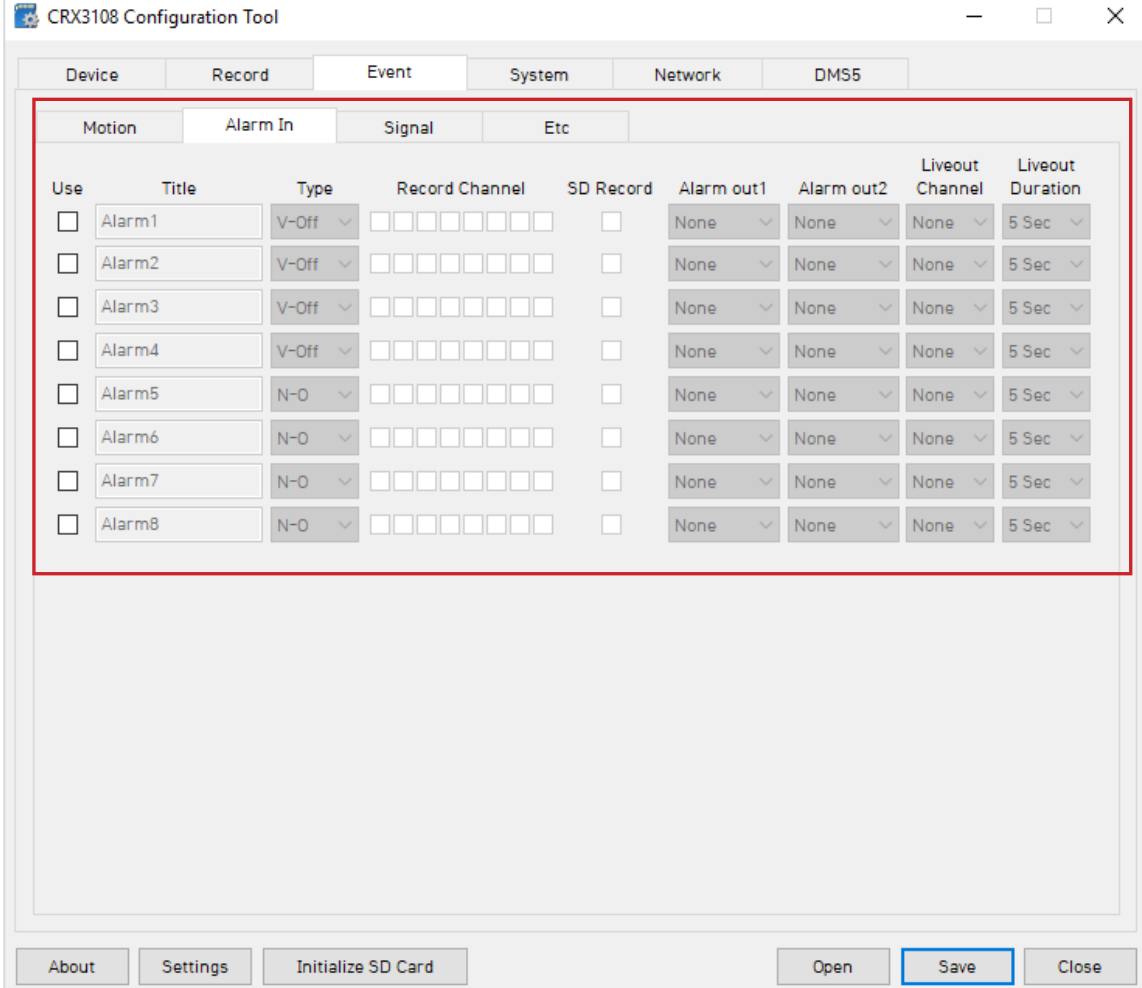


Use	Sensitivity	Area	Record Channel	SD Record	Stop Enable	Alarm out1	Alarm out2	Liveout Channel	Liveout Duration
<input type="checkbox"/> CAM1	3	Set	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	None	None	None	5 Sec
<input type="checkbox"/> CAM2	3	Set	<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"/>	<input type="checkbox"/>	<input type="checkbox"/>	None	None	None	5 Sec
<input type="checkbox"/> CAM3	3	Set	<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"/>	<input type="checkbox"/>	<input type="checkbox"/>	None	None	None	5 Sec
<input type="checkbox"/> CAM4	3	Set	<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"/>	<input type="checkbox"/>	<input type="checkbox"/>	None	None	None	5 Sec
<input type="checkbox"/> CAM5	3	Set	<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"/>	<input type="checkbox"/>	<input type="checkbox"/>	None	None	None	5 Sec
<input type="checkbox"/> CAM6	3	Set	<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"/>	<input type="checkbox"/>	<input type="checkbox"/>	None	None	None	5 Sec
<input type="checkbox"/> CAM7	3	Set	<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"/>	<input type="checkbox"/>	<input type="checkbox"/>	None	None	None	5 Sec
<input type="checkbox"/> CAM8	3	Set	<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"/>	<input type="checkbox"/>	<input type="checkbox"/>	None	None	None	5 Sec

Event Tab – Alarm In

Alarm In

- **Use:** Enable the boxes for the alarms that will be used.
- **Title:** Provide a title up to 10 digits (Optional).
- **Type:** Specify the voltage type.
 - Alarms (1~4) can be set to trigger when (Voltage-Off/Voltage-On).
 - Alarms (5~7) can be set to trigger (N-Open/N-Close).
 - Note: Panic alarm trigger must be connected to alarm “5”.
- **Record Channel:** Enable the camera(s) to record when the alarm is being triggered.
 - The record channel boxes are CH 1~8 from left to right.
 - Only channels that are selected from **Device** tab can be selected.
- Enable SD card record (Optional).
- Alarm Out if selected will send 5V output from CRX to 3rd party device, for the duration selected in dropdown.
- **Liveout Channel:** Determine which camera channel will be displayed on LDC monitor when trigger is activated.

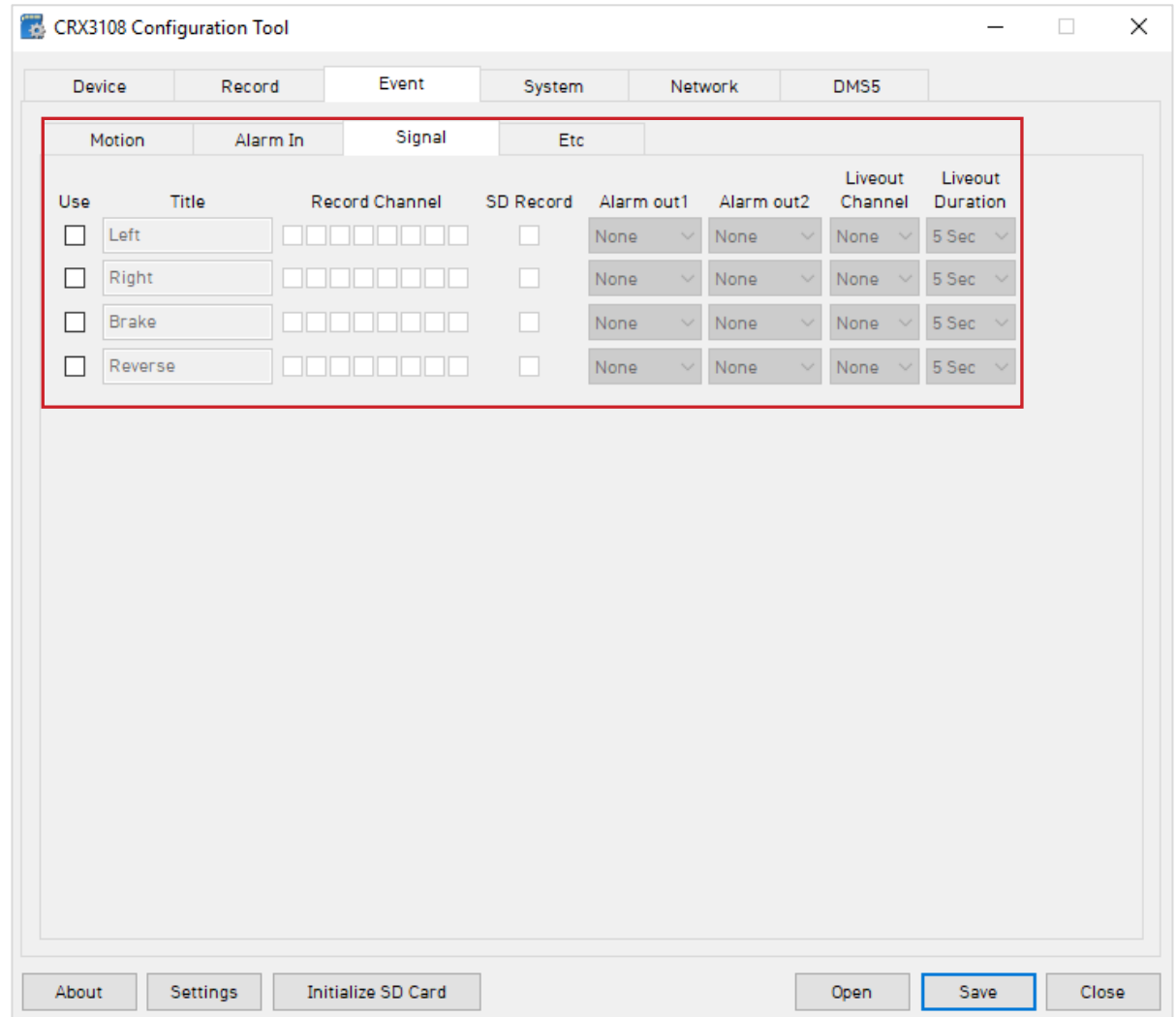


Use	Title	Type	Record Channel	SD Record	Alarm out1	Alarm out2	Liveout Channel	Liveout Duration
<input type="checkbox"/>	Alarm1	V-Off	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	None	None	None	5 Sec
<input type="checkbox"/>	Alarm2	V-Off	<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"/>	<input type="checkbox"/>	None	None	None	5 Sec
<input type="checkbox"/>	Alarm3	V-Off	<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"/>	<input type="checkbox"/>	None	None	None	5 Sec
<input type="checkbox"/>	Alarm4	V-Off	<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"/>	<input type="checkbox"/>	None	None	None	5 Sec
<input type="checkbox"/>	Alarm5	N-O	<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"/>	<input type="checkbox"/>	None	None	None	5 Sec
<input type="checkbox"/>	Alarm6	N-O	<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"/>	<input type="checkbox"/>	None	None	None	5 Sec
<input type="checkbox"/>	Alarm7	N-O	<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"/>	<input type="checkbox"/>	None	None	None	5 Sec
<input type="checkbox"/>	Alarm8	N-O	<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"/>	<input type="checkbox"/>	None	None	None	5 Sec

Event Tab – Signal

Signal

- **Use:** Enable the boxes for the alarms that will be used.
- **Title:** Provide a title up to 10 digits (Optional).
- **Record Channel:** Enable the camera(s) to record when the alarm is being triggered.
 - The record channel boxes are CH 1~8 from left to right.
 - Only channels that are selected from **Device** tab can be selected.
- Enable SD card record (Optional).
- Alarm Out if selected will send 5V output from CRX to 3rd party device, for the duration selected in dropdown.
- **Liveout Channel:** Determine which camera channel will be displayed on LDC monitor when trigger is activated.



CRX3108 Configuration Tool

Device | Record | **Event** | System | Network | DMS5

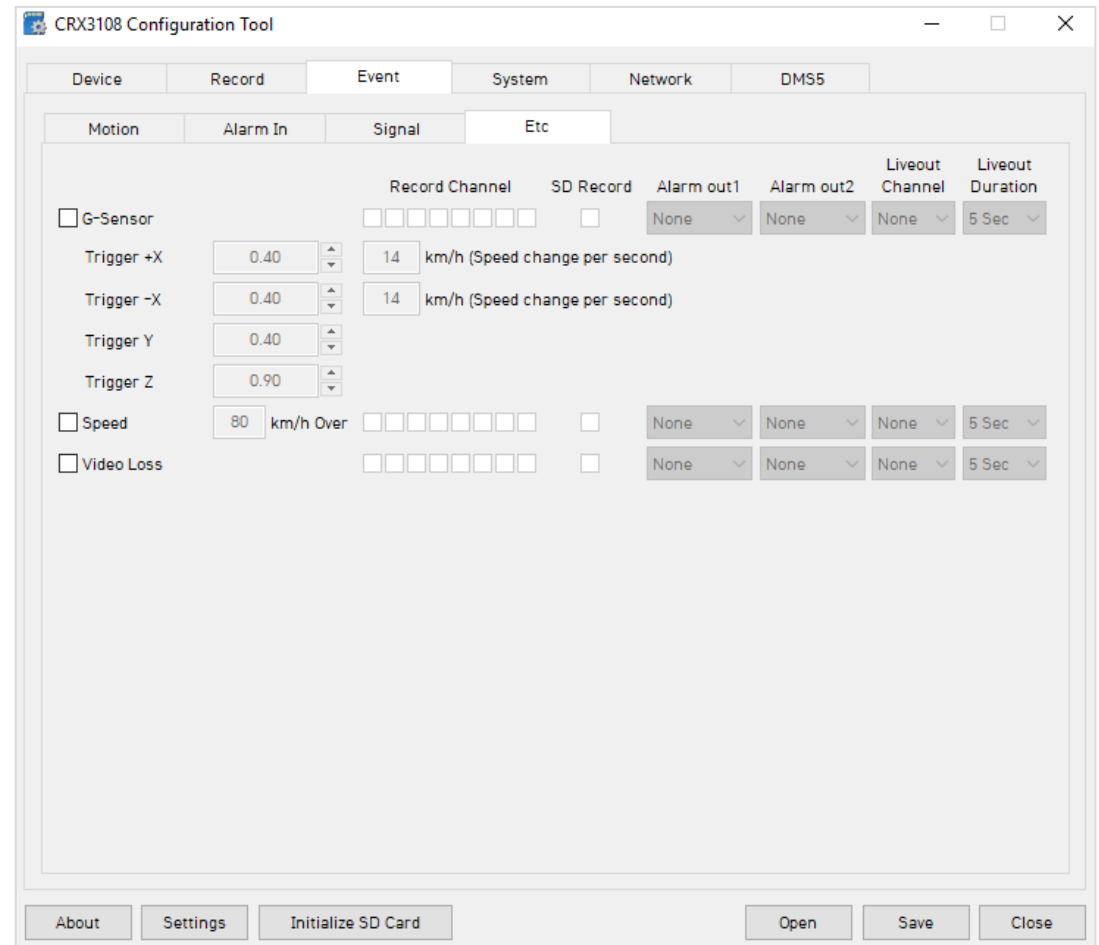
Motion | Alarm In | **Signal** | Etc

Use	Title	Record Channel	SD Record	Alarm out1	Alarm out2	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"/>	<input type="checkbox"/>	None	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"/>	<input type="checkbox"/>	None	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"/>	<input type="checkbox"/>	None	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"/>	<input type="checkbox"/>	None	None	None	5 Sec

About | Settings | Initialize SD Card | Open | **Save** | Close

Event – Etc.

- G-Sensor** You can set up a threshold for each G-sensor event from 0.1G to 1.0G.
- Speed** You can set up the over speed threshold. (This is raw vehicle speed and does not account for road/posted speed limits).
- Video Loss** You can set a Video loss as an Event.
- Record Channel** You can select a camera channel for alarm-in event recording.
- SD Record** You can enable/disable SD card recording for alarm-in event.
- Alarm out1** You can set up alarm-out to external device connected to Alarm-out 1 port. Alarm-out duration is [N/A, 1sec, 5sec, 10sec~60sec, ∞]
- Alarm out2** You can set up alarm-out to external device connected to Alarm-out 2 port. Alarm-out duration is [N/A, 1sec, 5sec, 10sec~60sec, ∞]
- Liveout Channel** You can select a channel for liveout video when alarm-in event occurs.
[N/A / 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 2×2-1 / 2×2-2 / 3×3]
- Liveout Duration** You can set up the duration for liveout.
[1,3,5,10,20,30,40,50,60sec, ∞]



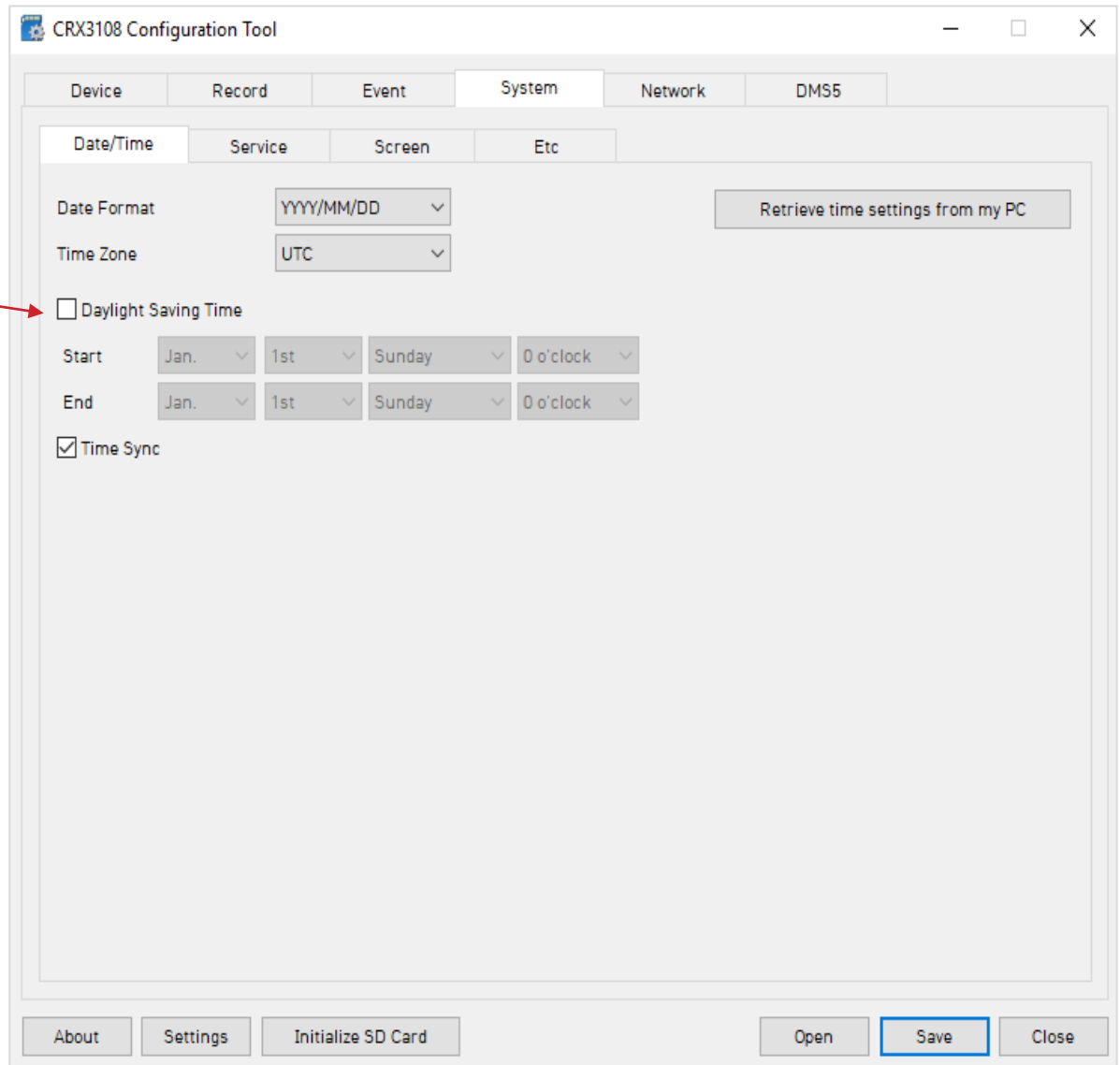
System Tab – Date/Time

Time setting is not necessary as the PC Viewer software and SmartAPI both adjust the standard UTC time to local time automatically.

DST (Optional)

Check the box to enable the daylight saving time. Input the start & end date.

***DO NOT USE IF CRXS IS CONNECTED TO SmartAPI**



The screenshot shows the 'CRX3108 Configuration Tool' window with the 'System' tab selected. The 'Date/Time' sub-tab is active, displaying the following settings:

- Date Format: YYYY/MM/DD
- Time Zone: UTC
- Daylight Saving Time: (A red arrow points to this checkbox from the text on the left.)
- Start: Jan., 1st, Sunday, 0 o'clock
- End: Jan., 1st, Sunday, 0 o'clock
- Time Sync:

Buttons at the bottom include 'About', 'Settings', 'Initialize SD Card', 'Open', 'Save', and 'Close'. A 'Retrieve time settings from my PC' button is also present in the top right of the settings area.

System Tab – Service

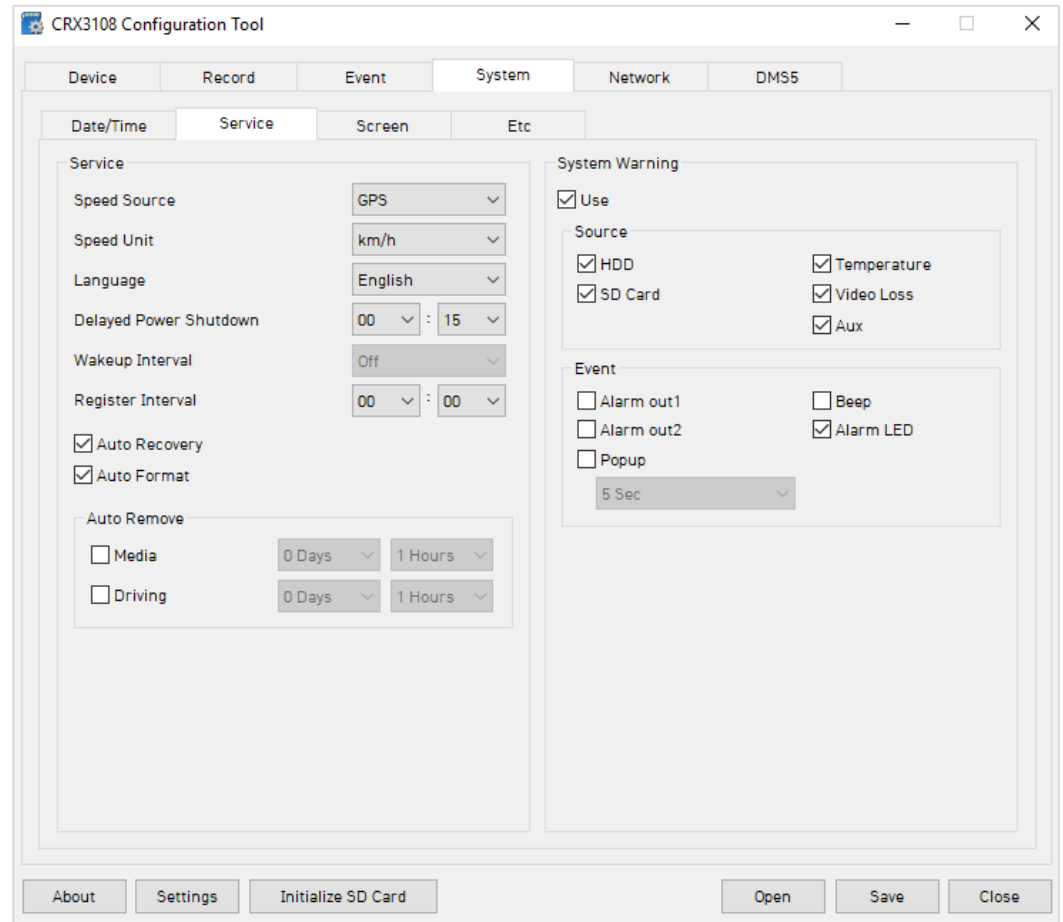
Service

- Default values set as shown.
- **Delay Power Shutdown:** Amount of time CRX stays on after ignition is turned off.
- **Wakeup Interval:** Time interval in which CRX will automatically power up again after shutdown.
- **Register Interval:** Time interval in which CRX stays powered on during wakeup interval.
- **Auto Format:** Allows CRX to perform automatic maintenance on the SD cards when there is an issue. SD cards need to be re-formatted occasionally over time.

Note: SD/SSD card data will be deleted when an auto-format occurs.

System Warning

- Provides an alert in case of system failure.
- Source:
 - HDD: HDD/SSD is not recognized or writing is failed.
 - SD Card is not recognized or writing is failed.
 - Temperature: Alerts when device temp is over 80°C
 - Video Loss: Video signal loss from camera(s)
 - AUX: External device is disconnected
- Events:
 - Beep: Audible chime to alert the driver when failure occurs.
 - Alarm LED: CRX “Alarm” LED will blink red.
 - Popup: A notification message will be displayed on LCD monitor



System Tab – Screen

Liveout Priority

- Display on CRX can be prioritized from “1” highest priority ~ “16” lowest priority.
 - Example: If CH 2 & CH3 both triggered an event the same time, CH2 has the priority to display on the monitor.

1	2	3
4	5	6
7	8	

Display Order

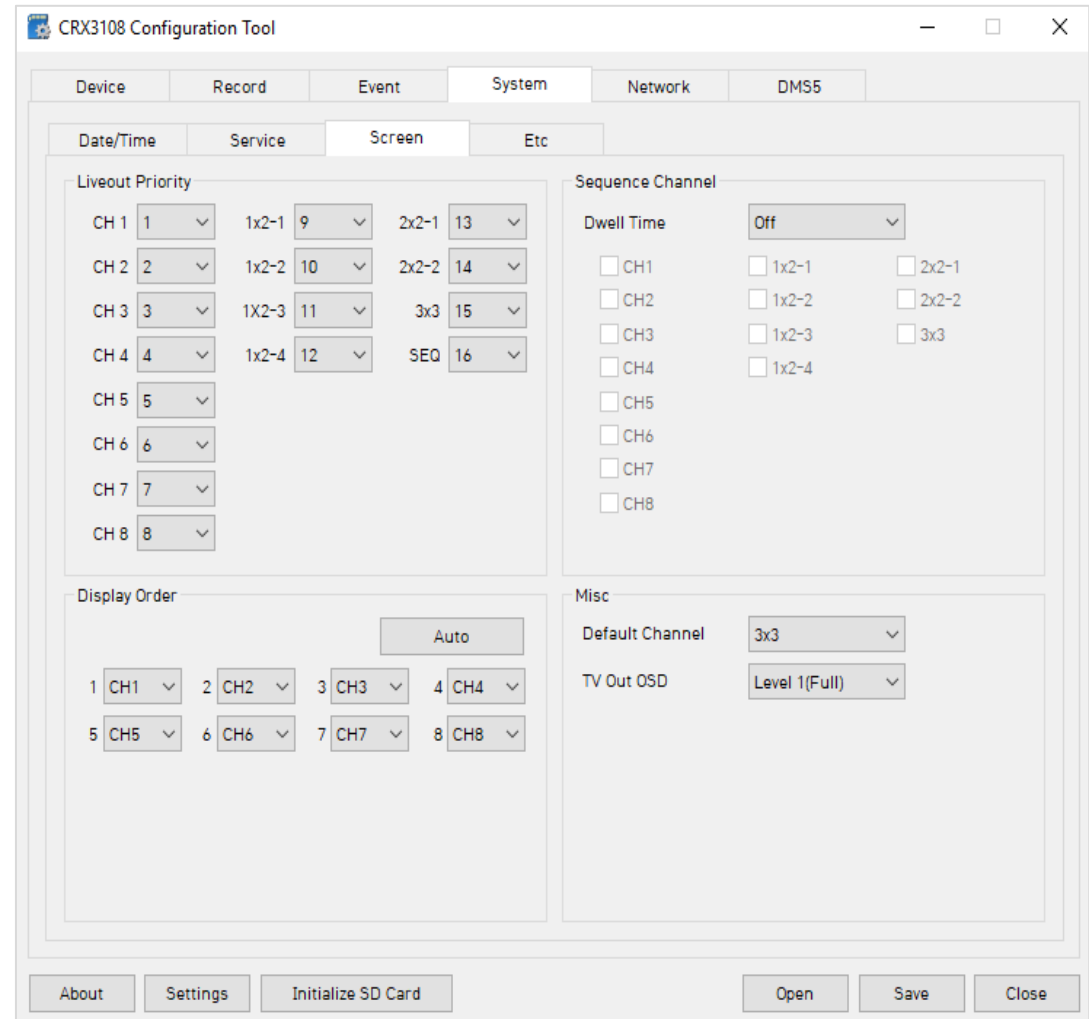
- The order of cameras as they are displayed on the LCD monitor.

Sequence Channel

- Selected channels will be displayed in sequential order based on dwell time (Default Channel must be set to SEQ).
 - Dwell Time: Set display time per selected channel (Off/1~5 seconds).

Misc.

- Default Channel: Specifies default video output channels:
 - 1x2-1: CH1 & CH2.
 - 1x2-2: CH3& CH4.
 - 1x2-3: CH5 & CH6.
 - 1x2-4: CH7 & CH8.
 - 2x2-1: CH 1~4.
 - 2x2-2: CH 5~8.
 - 3x3: All channels.
 - SEQ: Appears only when “Sequence Channel” is enabled.
- TV Out OSD: Determine which information to be displayed on LCD monitor.
 - Level 1(Full): Time, Disk Space, Camera Tittle, Camera/Event Status.
 - Level 2: Time, Disk Space, Camera Tittle.
 - Level 3: Time, Disk Space.
 - Level 4(Off): No data output from CRX unit.



System Tab – Etc.

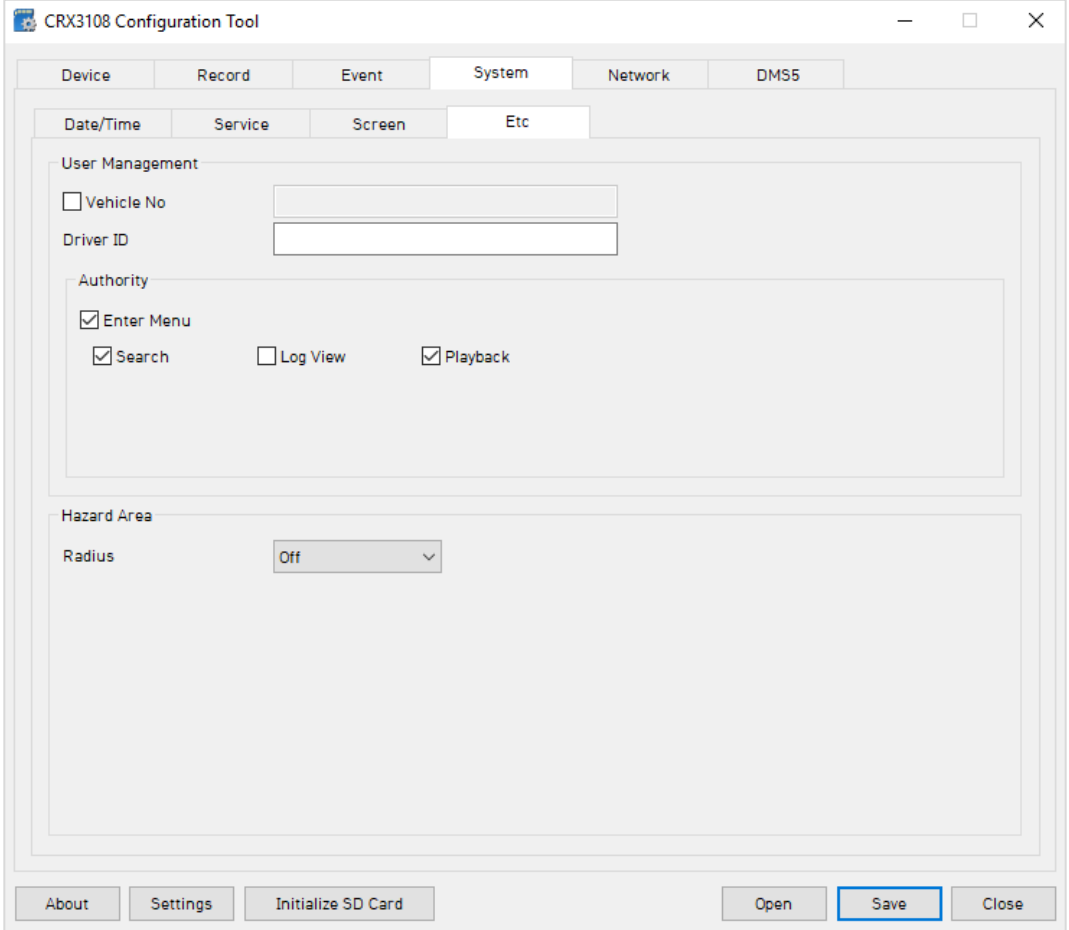
User Management Vehicle No.: You can register the vehicle number up to 10 characters. Use the alphabet and numbers only (maximum of 10 characters.)

Driver ID You can set the Driver ID of the SD card. If you want to use RFID card for the Driver ID, no need to fill in.

Authority

- Enter menu: Password is required for entering menu on LCD screen
- Search: Password is required for search menu.
- Log View: Password is required for log view.
- Playback: Password is required for playback.

Hazard Area You can register a zone to monitoring vehicles get in/out. You need to make a hazard map with MAP Maker program supplied separately.



Connectivity Tab

When using CRX as a connected device, “Enable” the connectivity here, and specify the connectivity type (LAN, Mobile Network or Wi-Fi).

LAN DHCP: Receive the IP address from Router.

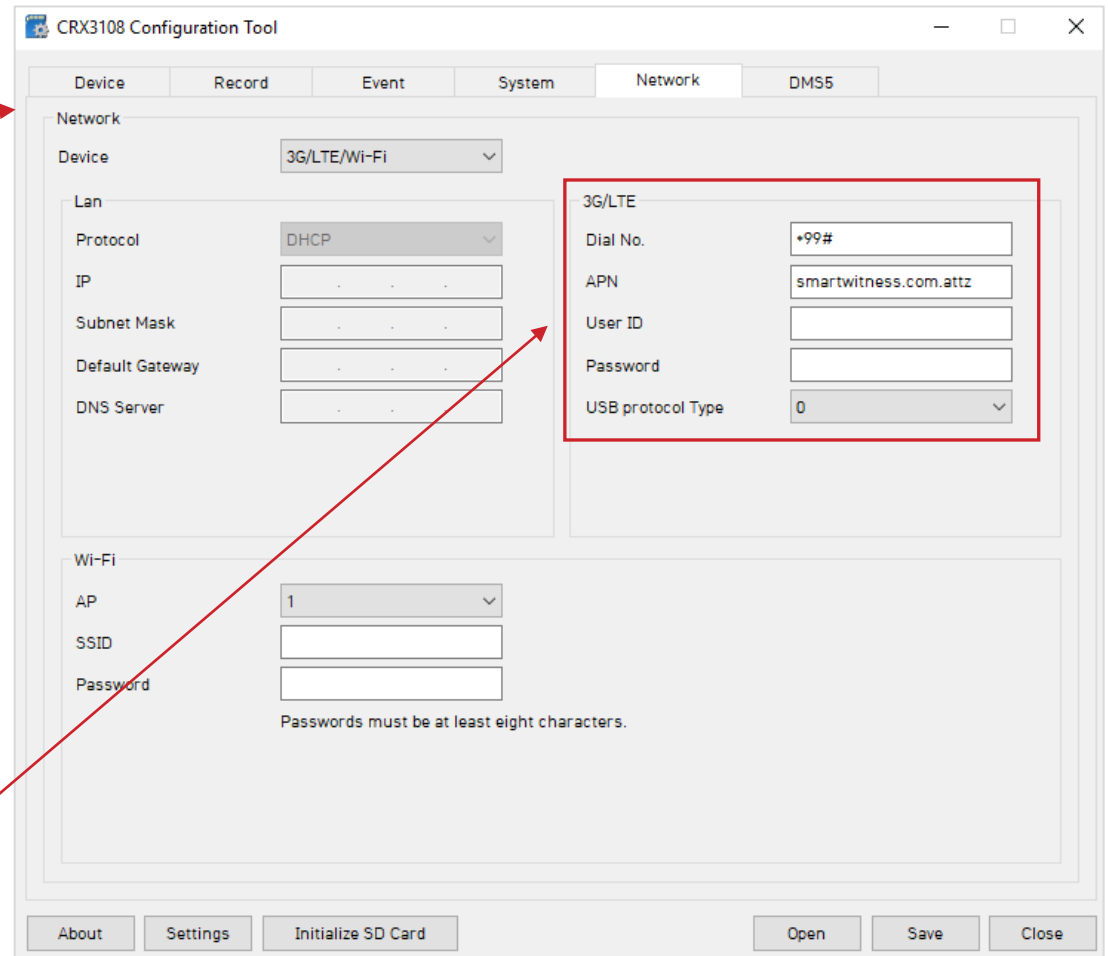
Wi-Fi NETWORK: You can register up to 10 AP.
SSID: Please enter SSID.
PASSWORD: Please enter password of AP.

3G / LTE DONGLE: Please set up a type of 3G/LTE dongle.
(Default: TYPE0)
APN, DIAL NO. USER/PASS: Please inputs settings according to carrier information of SIM.

If using Mobile Network (USB modem connected to blue USB1 port), you must add Mobile Network provider details here



If using INSIGHTS SIM (AT&T), the APN should be as shown



CRX3108 Configuration Tool

Device Record Event System **Network** DMS5

Network

Device 3G/LTE/Wi-Fi

Lan

Protocol DHCP

IP

Subnet Mask

Default Gateway

DNS Server

3G/LTE

Dial No. +99#

APN smartwitness.com.attz

User ID

Password

USB protocol Type 0

Wi-Fi

AP 1

SSID

Password

Passwords must be at least eight characters.

About Settings Initialize SD Card Open Save Close

NOTE: if using Huawei modem, the USB Protocol type should be set to “2”.

Please contact INSIGHTS before you select a Wi-Fi dongle or 3G/LTE dongle. CRX only supports the pre-tested dongles.

Server Tab

INSIGHTS or your service provider will provide you the URL and (if necessary) the License Key to enter here.

Transmit Live Tracking Data: Check to enable http posts from the CRX to server. Livetrack2 contains GPS coordinates. LiveTrack3 does not.

Transmit Event Data: Check to enable CRX posting event notification and images to the server.

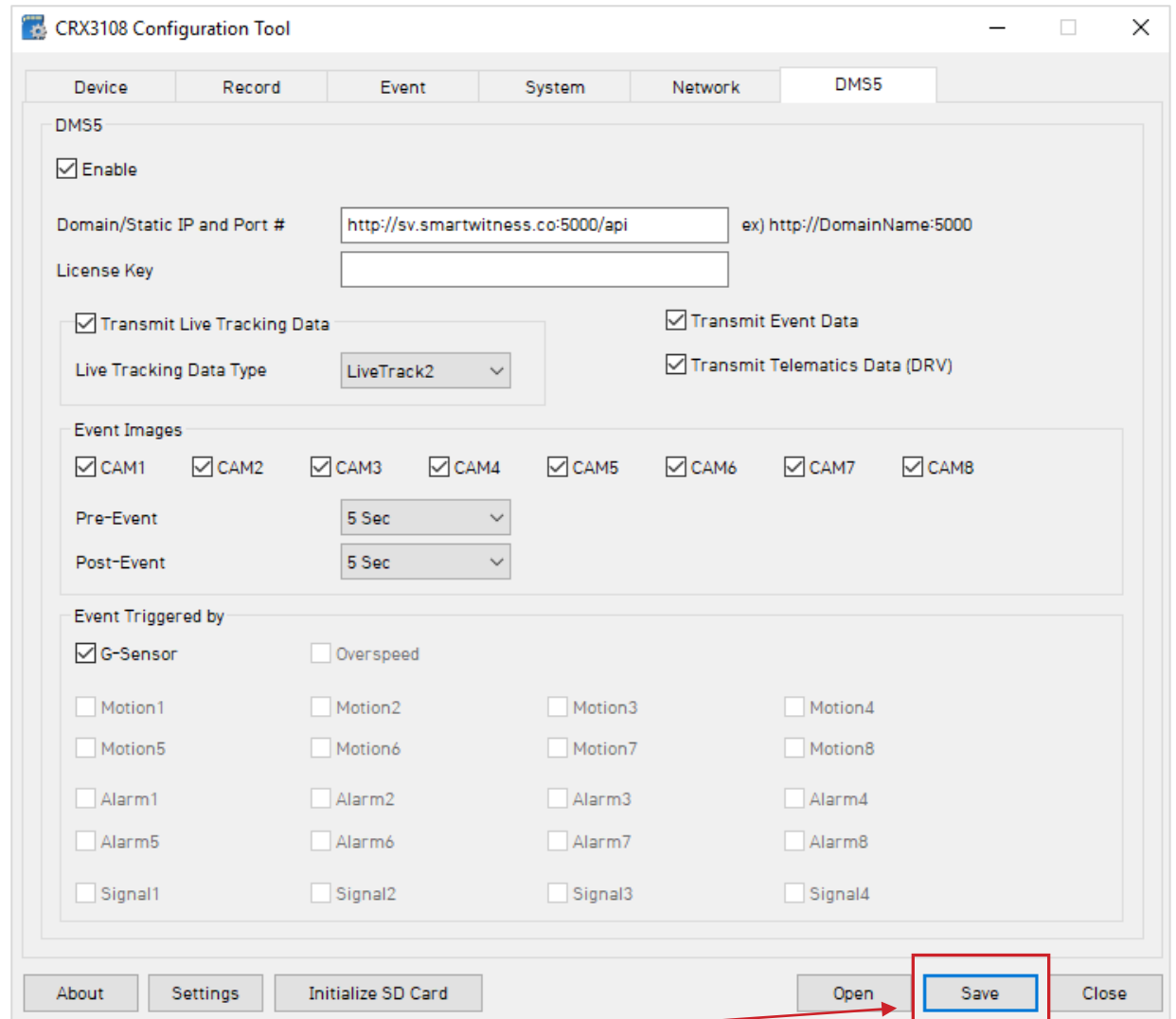
Transmit Telematics Data: Check to enable CRX to send DRV data (static/compressed file containing drive data from every second the vehicle is in operation).

Note: The frequency interval of LiveTrack and DRV uploads are controlled by the server.

Select the events here which the CRX will transmit to the server in real-time. These events will transmit instantly even if CRX is set as “Continuous” record mode.

Click ‘Save’ and select the “AVFILE3” SD drive when prompted. This will save your configuration to the card. Wait for the software to confirm the settings have been applied to the SD Card.

You can now eject the SD from your PC and insert into CRX and power on.



CRX3108 Configuration Tool

Device Record Event System Network **DMS5**

DMS5

Enable

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

License Key

Transmit Live Tracking Data Transmit Event Data

Live Tracking Data Type Transmit Telematics Data (DRV)

Event Images

CAM1 CAM2 CAM3 CAM4 CAM5 CAM6 CAM7 CAM8

Pre-Event

Post-Event

Event Triggered by

G-Sensor Overspeed

Motion1 Motion2 Motion3 Motion4

Motion5 Motion6 Motion7 Motion8

Alarm1 Alarm2 Alarm3 Alarm4

Alarm5 Alarm6 Alarm7 Alarm8

Signal1 Signal2 Signal3 Signal4

About Settings Initialize SD Card Open **Save** Close

CRX G-Sensor Threshold Table

Low Speed Table

Level	axis	ACCSENX		ACCSENY				ACCSENZ	
		Impact		Sudden start/ sudden stop1		Sudden start/ sudden stop2		Quick Turn	
		G(mg)	Hz	G(mg)	Hz	G(mg)	Hz	G(mg)	Hz
1 (less sensitive)	X	950	1	450	8	500	5~7	-	-
	Y	950	1	-	-	-	-	350	15
	Z	1050	1	-	-	-	-	-	-
2	X	900	1	420	8	470	5~7	-	-
	Y	900	1	-	-	-	-	340	15
	Z	1000	1	-	-	-	-	-	-
3	X	850	1	390	8	440	5~7	-	-
	Y	850	1	-	-	-	-	320	15
	Z	950	1	-	-	-	-	-	-
4	X	800	1	360	8	410	5~7	-	-
	Y	800	1	-	-	-	-	310	15
	Z	900	1	-	-	-	-	-	-
5	X	750	1	330	8	380	5~7	-	-
	Y	750	1	-	-	-	-	300	20
	Z	850	1	-	-	-	-	-	-
6	X	700	1	310	8	360	5-7	-	-
	Y	700	1	-	-	-	-	280	20
	Z	800	1	-	-	-	-	-	-
7	X	650	1	240	10	-	-	-	-
	Y	650	1	-	-	-	-	230	20
	Z	750	1	-	-	-	-	-	-
8	X	600	1	190	10	-	-	-	-
	Y	600	1	-	-	-	-	190	15
	Z	700	1	-	-	-	-	-	-
9	X	550	1	170	10	-	-	-	-
	Y	550	1	-	-	-	-	170	15
	Z	650	1	-	-	-	-	-	-

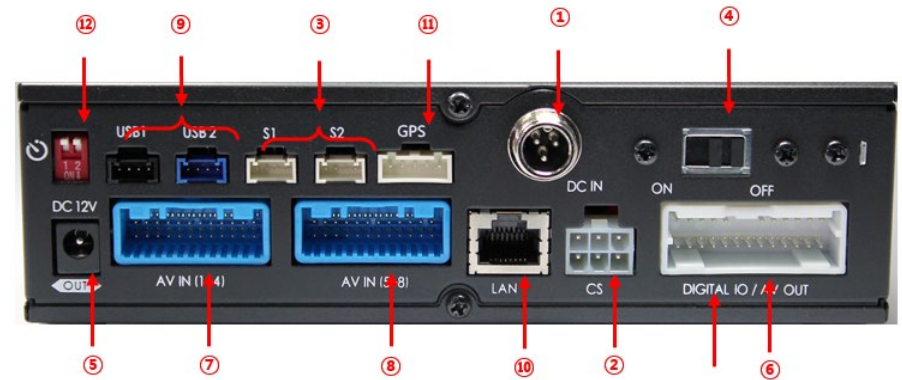
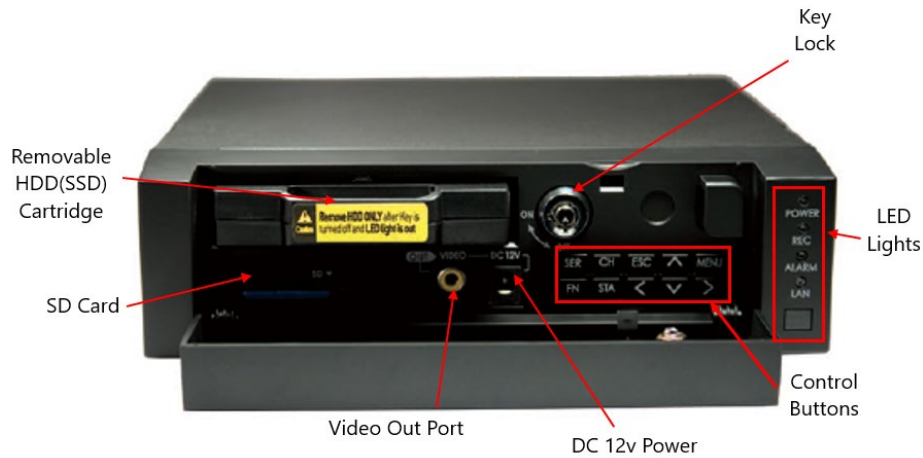
High Speed Table

Level	axis	ACCSENX		ACCSENY				ACCSENZ	
		Impact		Sudden start/ sudden stop1		Sudden start/ sudden stop2		Quick Turn	
		G(mg)	Hz	G(mg)	Hz	G(mg)	Hz	G(mg)	Hz
1 (less sensitive)	X	1350	1	480	10	-	-	-	-
	Y	1350	1	-	-	-	-	420	15
	Z	1450	1	-	-	-	-	-	-
2	X	1300	1	450	10	-	-	-	-
	Y	1300	1	-	-	-	-	410	15
	Z	1400	1	-	-	-	-	-	-
3	X	1250	1	420	10	-	-	-	-
	Y	1250	1	-	-	-	-	380	15
	Z	1350	1	-	-	-	-	-	-
4	X	1200	1	390	10	-	-	-	-
	Y	1200	1	-	-	-	-	370	15
	Z	1300	1	-	-	-	-	-	-
5	X	1150	1	360	10	-	-	-	-
	Y	1150	1	-	-	-	-	340	20
	Z	1250	1	-	-	-	-	-	-
6	X	1100	1	340	10	-	-	-	-
	Y	1100	1	-	-	-	-	320	20
	Z	1200	1	-	-	-	-	-	-
7	X	1050	1	270	10	-	-	-	-
	Y	1050	1	-	-	-	-	270	20
	Z	1150	1	-	-	-	-	-	-
8	X	1000	1	190	10	-	-	-	-
	Y	1000	1	-	-	-	-	220	15
	Z	1100	1	-	-	-	-	-	-
9	X	950	1	170	10	-	-	-	-
	Y	950	1	-	-	-	-	200	15
	Z	1050	1	-	-	-	-	-	-

Speed Mode: When auto adjust G-Sensor to vehicle speed is checked, G-Sensor threshold will increase to levels specified in the right table when the vehicle reaches 20 KMh. The threshold will go back to settings in the left table when vehicle goes below 10 KMh.

Auto adjust G-Sensor to Vehicle speed

CRX Hardware



1. Power Connector.
2. Car Signal Connector.
3. Serial Ports.
4. Main Power Switch.
5. Power Output.
6. Digital IO/AV out Connector.
7. AV in (1~4) Connector.
8. AV in (5~8) Connector.
9. USB Connector.
10. Ethernet Connector.
11. GPS Connector.
12. Power On Delay Dip Switch.



Installation guide can be downloaded at <http://install.smartops.com>



Alarm I/O Trigger Harness and AV Output for coAlarm I/O Trigger Harness and AV Output for connecting an LCD monitor



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