

VMC4 Guide: Configuration Tool

Configuration Tool TX4000LE Software



PC SYSTEM REQUIREMENT

Recommended PC specifications for Configuration Tool Software

OS	Windows Vista. Windows 7, Windows 8/8.1
CPU	Core 2 Duo 2.5GHz or Higher
RAM	2GB or Higher
Interface	SD Memory Card Reader
HDD	Install : 55MB or Higher
Free space	Backup : 4GB or Higher
Display	1024 x 768 pixel/True Color or higher

If the PC does not meet the minimum system requirement, the Configuration Tool Software may not function properly.

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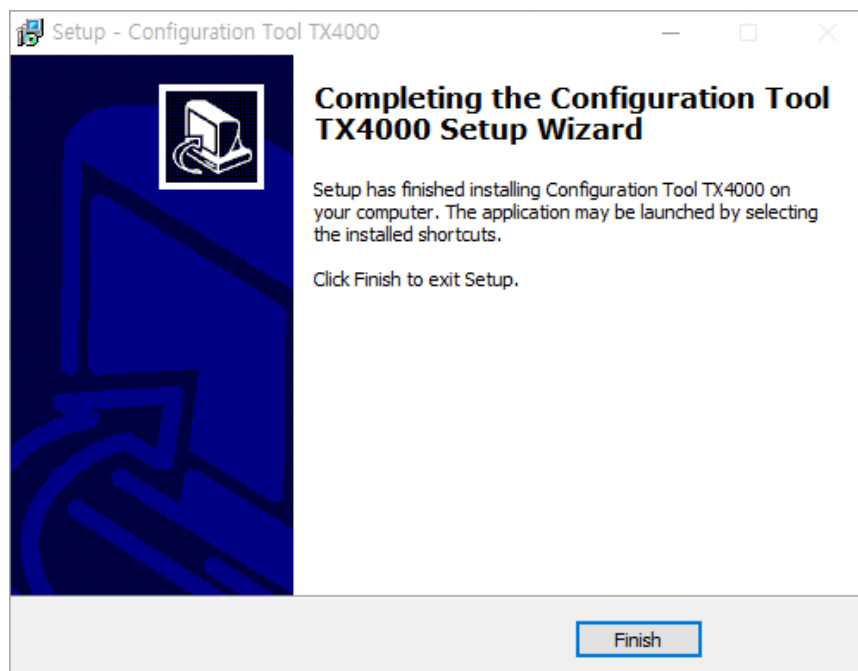
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Software Installation

Please ask the Configuration Tool TX4000LE Software to your distributor.

1. Double click [setup.exe]
2. Select the language
3. Select destination location
4. Select Start Menu Folder then follow the dialog box prompts.



5. The "Configuration Tool TX4000LE" icon will be displayed on your desktop.



NOTE: To Un-install the Configuration Tool TX4000 Software

Make sure the program is not running and open the 'Control Panel'

Select 'Remove Program' and remove the Configuration Tool TX4000 Software.

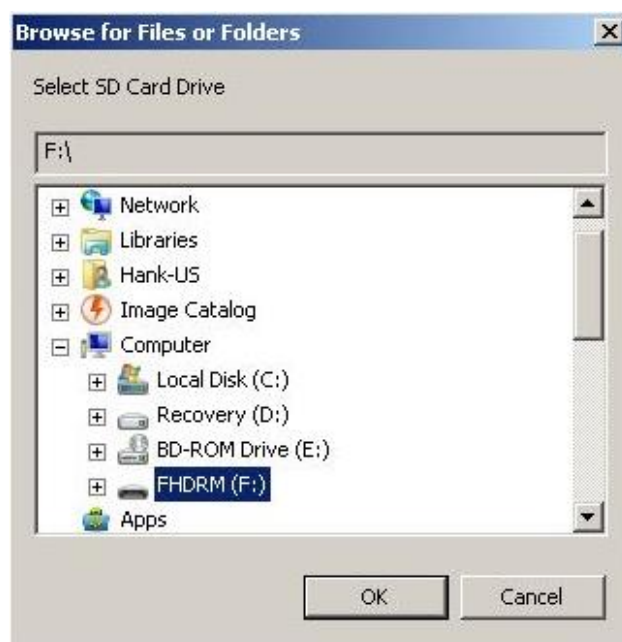
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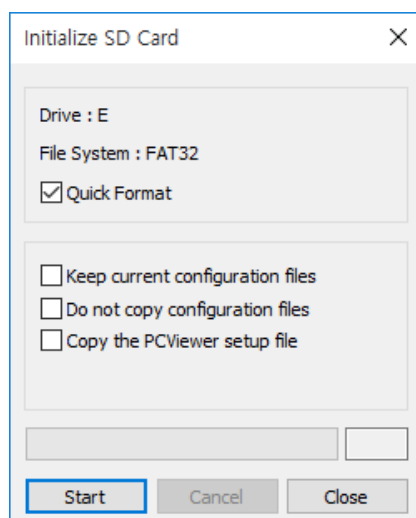
Initialise SD Card



To initialize the SD card quickly, click on the above icon and you will be presented with the following screen to choose the SD card to initialize. Click 'OK' when selected.



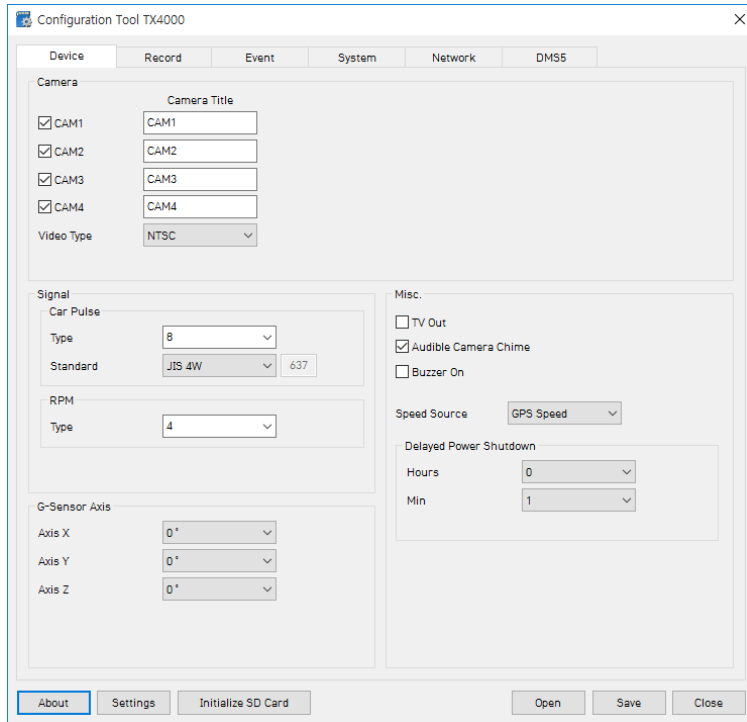
On the following screen, check the 'Quick Format' button and uncheck the 'Keep current configuration files' and Click 'Start' to begin initialization.



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Device Settings



The screenshot shows the 'Configuration Tool TX4000' window with the 'Device' tab selected. The interface includes several sections: 'Camera' with checkboxes for CAM1 through CAM4 and a 'Video Type' dropdown set to 'NTSC'; 'Signal' with 'Car Pulse' (Type: 8, Standard: JIS 4W) and 'RPM' (Type: 4) settings; 'G-Sensor Axis' with dropdowns for Axis X, Y, and Z, all set to '0°'; and 'Misc.' with checkboxes for 'TV Out', 'Audible Camera Chime', and 'Buzzer On', a 'Speed Source' dropdown set to 'GPS Speed', and a 'Delayed Power Shutdown' section with 'Hours' (0) and 'Min' (1) settings. At the bottom are buttons for 'About', 'Settings', 'Initialize SD Card', 'Open', 'Save', and 'Close'.

Camera check box

Check all the cameras you wish to use.

Camera Title

Use the alphabet and numbers to rename (max 10 digits) the cameras. The new names will be displayed on the all recordings.

Video Type: Set the video type "NTSC or PAL"

Car Pulse Type: Select the vehicle's car pulse type.

Car Pulse Standard: Select the vehicle's car pulse standard.

RPM Type: Select the vehicle's RPM type.

G-Sensor Axis: Refer to page 14 in this manual and set Axis.

TV out: Check it to see live screen.

Audible Camera Chime: Turn the Chime on or off

Buzzer On: Turn the Buzzer on or off

Speed Source: Choose the speed source "GPS or Pulse" to use it on the unit.

Delayed Power Shutdown: Set delayed power shutdown time.

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Record Settings

Device	Record	Event	System	Network	DMS5
Channel					
	Resolution	NTSC FPS	Quality		
CH1	FHD	10	Standard		
CH2	HD	10	Standard		
CH3	HD	10	Standard		
CH4	D1	10	Standard		

Resolution

NTSC: D1 (720x480), HD (1280x720), FHD (1920x1080).

PAL: D1 (720x576), HD (1280x720), FHD (1920x1080).

FTS (Frame Rate)

Adjust the frame rate from:

NTSC: 30fps, 15fps, 10fps, 5~1fps

PAL: 25fps, 12fps, 10fps, 5~1fps

Quality

Adjust the picture quality from Standard, High, Super

Record Frame Rate (FPS) Rules & Bitrates

1. FHD: 2Channels total max 30fps(NTSC) or max 25fps(PAL)
2. HD: 3Channels total max 60fps(NTSC) or max 50fps(PAL)
3. D1: 4Channels total max 120fps(NTSC) or max 100fps(PAL)
4. Channel 3 (Camera No.3): Support HD or D1 camera
5. Channel 4 (Camera No.4): only support D1 camera.
6. Total FPS calculation

NTSC: (FHD total fps x 4) + (HD total fps x 2) + (D1 total fps) $\leq$ 120fps

PAL: (FHD total fps x 4) + (HD total fps x 2) + (D1 total fps) $\leq$ 100fps

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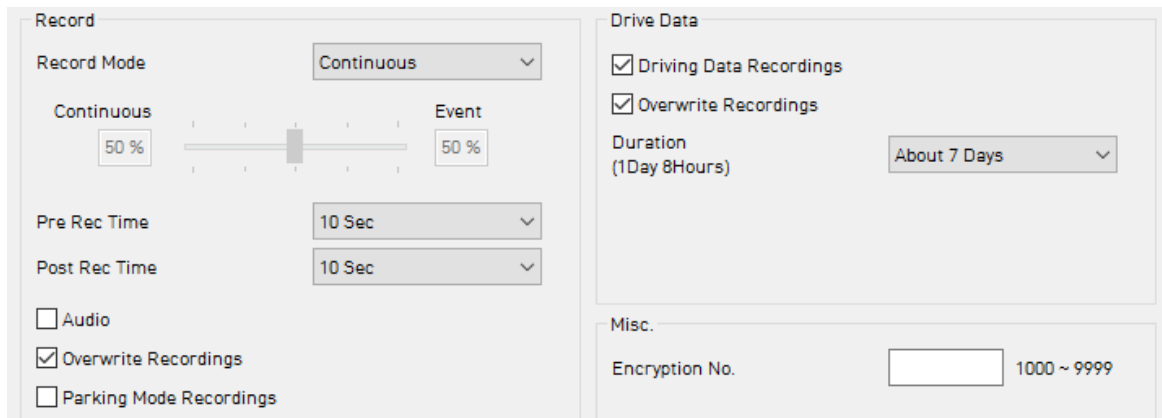
Maximum bitrates (Video Quality)

Resolution	FPS	Bitrates (bit/sec)		
		Super	High	Standard
Full HD	30	6Mbps	5Mbps	4Mbps
HD	30	3Mbps	2.5Mbps	2Mbps
D1	30	2Mbps	1.5Mbps	1Mbps

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The screenshot shows the VUE configuration interface. On the left, under the 'Record' tab, there is a 'Record Mode' dropdown set to 'Continuous'. Below it is a slider between 'Continuous' (50%) and 'Event' (50%). Further down are 'Pre Rec Time' and 'Post Rec Time' dropdowns, both set to '10 Sec'. At the bottom of this section are checkboxes for 'Audio' (unchecked), 'Overwrite Recordings' (checked), and 'Parking Mode Recordings' (unchecked). On the right, under the 'Drive Data' tab, there are checkboxes for 'Driving Data Recordings' (checked) and 'Overwrite Recordings' (checked). Below these is a 'Duration (1Day 8Hours)' dropdown set to 'About 7 Days'. At the bottom right, under 'Misc.', there is an 'Encryption No.' field with a text input box and a range indicator '1000 ~ 9999'.

Record Mode

- Continuous (Always recording when powered by DC 12/24V.)
- Event (Automatically starts recording by G-sensor or Panic button or Alarm In.)
- Dual (The continuous record fps is 1fps and Event record will work according to the Fps setting.)
- Do not record

Pre Rec Time / Post Rec Time

Adjust the Pre/Post Event time from 5 seconds to 20seconds

Audio: Check it for record audio

Overwrite Recordings

This function allows the unit to overwrite old files on the SD Card automatically. You can overwrite the continuous, panic or G-Sensor recorded files.

Parking Mode Recordings

If your vehicle is parked for more than 5 minutes, recording FPS will be at 1fps. When the vehicle starts moving again, the recording FPS will return to its original setting.

Drive Data

GPS data & G-Sensor data will be recorded with videos and at the same time, GPS data & G-Sensor data will be recorded separately, we call it as 'Drive data (drv file)'. Check Driving Data Recordings for this feature.

Adjust Drive Data duration from "about 1 day" to "about 30 days".

Encryption No. (Stream password)

An Additional password can be set for the recorded data using a 4 digit password from 1000~9999. If a password is set, keep a record in a safe place, Without the password, you will not be able to view the recorded video.

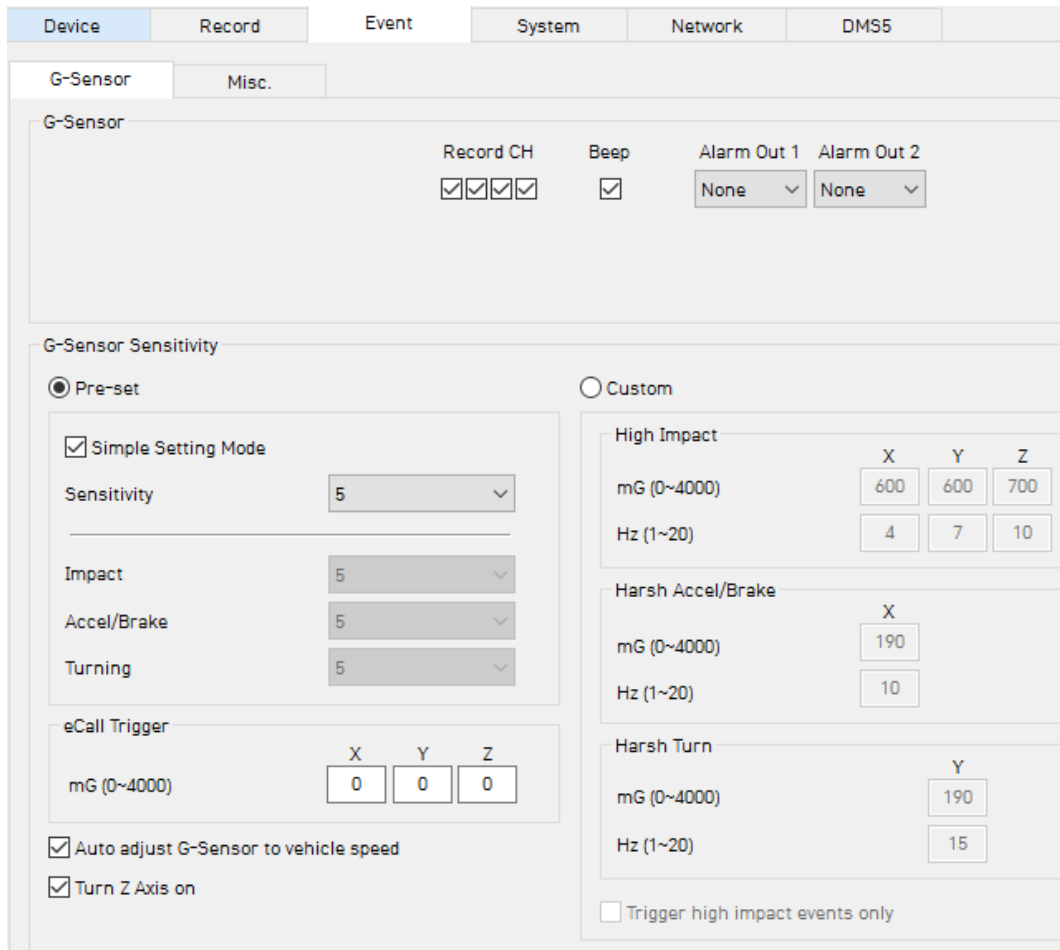
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Event Settings

You can set the unit to record when triggered by the G-Sensor, Panic Button and GPS Speed Limit and Alarm Inputs.

And you can set the Alarm out duration per each event.



The screenshot shows the 'Event' settings tab in the VUE interface. It includes sections for 'G-Sensor' and 'G-Sensor Sensitivity'.

G-Sensor Settings:

- Record CH:** Four checkboxes, all checked.
- Beep:** One checked checkbox.
- Alarm Out 1:** Dropdown menu set to 'None'.
- Alarm Out 2:** Dropdown menu set to 'None'.

G-Sensor Sensitivity Settings:

- Pre-set (Selected):**
 - Simple Setting Mode:** Checked checkbox.
 - Sensitivity:** Dropdown menu set to '5'.
 - Impact:** Dropdown menu set to '5'.
 - Accel/Brake:** Dropdown menu set to '5'.
 - Turning:** Dropdown menu set to '5'.
 - eCall Trigger:**
 - mG (0~4000):** Three input fields for X, Y, and Z, all set to '0'.
 - Auto adjust G-Sensor to vehicle speed:** Checked checkbox.
 - Turn Z Axis on:** Checked checkbox.
- Custom:**
 - High Impact:**
 - mG (0~4000):** Three input fields for X, Y, and Z, set to '600', '600', and '700' respectively.
 - Hz (1~20):** Three input fields for X, Y, and Z, set to '4', '7', and '10' respectively.
 - Harsh Accel/Brake:**
 - mG (0~4000):** One input field for X, set to '190'.
 - Hz (1~20):** One input field for X, set to '10'.
 - Harsh Turn:**
 - mG (0~4000):** One input field for Y, set to '190'.
 - Hz (1~20):** One input field for Y, set to '15'.
 - Trigger high impact events only:** Unchecked checkbox.

G-Sensor Sensitivity: The shock sensor sensitivity can be set to 'Simple setting Mode' or 'Custom'. Set to easy allows you to set the sensitivity to 9 (High), 5 (Medium) or 1 (Low).

In custom set, you can set 3 different shock sensor values individually.

Auto adjust G-Sensor to vehicle speed

Once it checked, TX4000LE will automatically decrease the G-Sensor sensitivity at higher vehicle speeds to compensate for the naturally added G-forces that are experienced due to velocity.

Select record channel

Record CH

Channel1 (Camera1) Channel2 (Camera2) Channel3(Camera3) Channel4(Camera4)

Device	Record	Event	System	Network	DMS5	
G-Sensor						
Misc.						
Panic Button						
		Record CH	Beep	Alarm Out 1	Alarm Out 2	
		☒ ☐ ☐ ☐	☒	None	None	
Overspeed						
Speed Limit		Record CH	Beep	Alarm Out 1	Alarm Out 2	
100 km/h Over		☐ ☐ ☐ ☐	☒	None	None	
Alarm In						
Use	Title	Type	Record CH	Beep	Alarm Out 1	Alarm Out 2
☐	Alarm1	V-Off	☐ ☐ ☐ ☐	☒	None	None
☐	Alarm2	V-Off	☐ ☐ ☐ ☐	☒	None	None
☐	Alarm3	V-Off	☐ ☐ ☐ ☐	☒	None	None
System Warning						
				Alarm Out 1	Alarm Out 2	
				None	None	

Over Speed: When the vehicle speed over the speed limit more than 5seconds.

System Warning: SD card error, Video loss, Video Standard error

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System Settings

This option allows you to adjust the Time Zone, GPS Time synchronization, set your Vehicle No and also the Driver ID.

Device	Record	Event	System	Network	DMS5
Date / Time					
Time Zone		UTC		Retrieve time settings from my PC	
GPS Time Sync		On Boot			
☐ Daylight Saving Time					
Start		Jan.	1st	Sunday	0 o'clock
End		Jan.	1st	Sunday	0 o'clock
☐ Manual Time Setting					
2017-07-11		오후 3:22:10			
Service					
☒ SD Card Auto Format Feature					
User Management					
Vehicle No					
Driver ID					

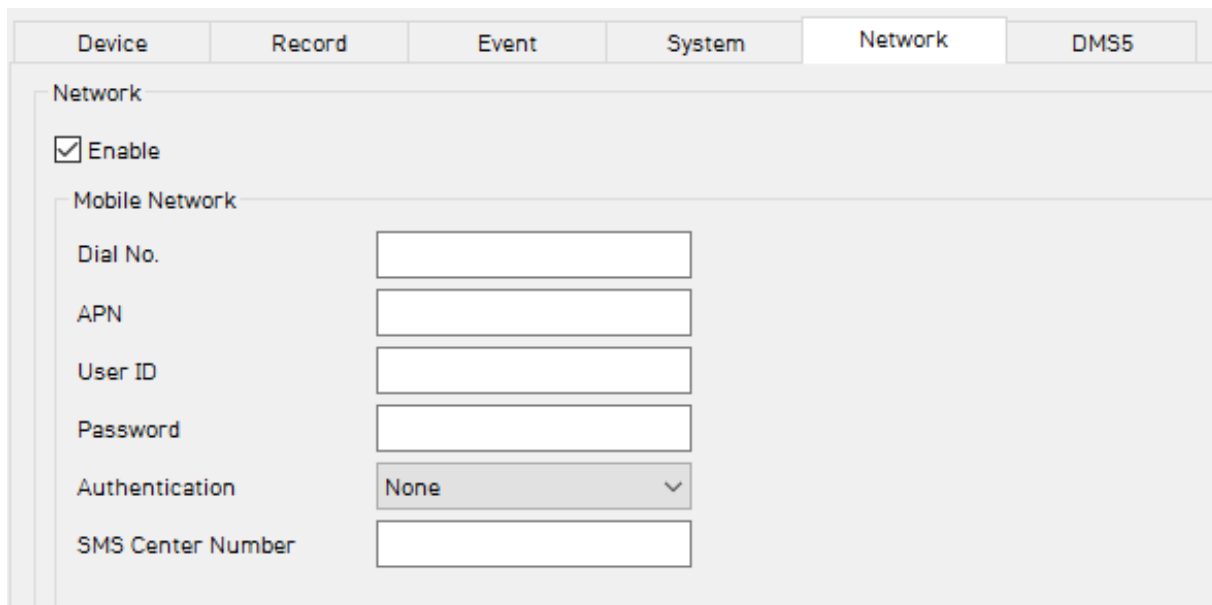
SD Card Auto Format Feature: When the SD card has an error and cannot record, the card will be formatted and all data will be erased.

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Network Settings



Check Enable to use LTE connection.

Adjust the settings like Dial No., APN, password, User ID, Authentication etc.

Please refer to the Sim Card supplier website for these settings.

DMS5 Settings

Device	Record	Event	System	Network	DMS5
DMS5					
☒ Enable					
Domain/Static IP and Port #		ex) http://DomainName:5000			
License Key					
Transmit					
Tracking Data			Telematics Data (DRV)		
☐ Transmit Live Tracking Data			☐ Transmit Telematics Data (DRV)		
Live Tracking Data Type LiveTrack2			G-Sensor/Gyro Data None		
☐ Transmit Event Data					
☐ Transmit ECall Notification					
Event Images					
☒ CAM1 ☐ CAM2 ☐ CAM3 ☐ CAM4					
Pre-Event		5 Sec		Event/Snapshot Quality High	
Post-Event		5 Sec			
Event Triggered by					
☐ G-Sensor		☐ Alarm1			
☐ Panic Button		☐ Alarm2			
☐ Overspeed		☐ Alarm3			

Set Domain/Static IP and Port number

Default License Key is "DASKEY_001"

And check the options

- Transmit Live Tracking Data
- Transmit Telematics Data (DRV)
- Transmit Event Data.

And then select events

Please contact your distributor to set DMS5 setting it's related with server.

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