

DASH CAM FHD

MANUAL

FULL HIGH DEFINITION DASH CAMERA WITH
INCLUDED FHD REAR CAMERA





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Introduction

Thank you for purchasing your OPSIS Dash Cam.

At Stinger, we believe that a dash camera should be more than just a passive recording device; it should be a reliable companion.

OPSIS™ dash cams give drivers the security of knowing they will be able to capture clear, crisp first-hand incident evidence, should the need arise.

With easy-to-use setup features, OPSIS records the surroundings of your parked vehicle to ensure your car is safe and sound. OPSIS also observes other driver's behavior around you.

Always stay vigilant, never miss a moment with OPSIS by Stinger.

Box Contents

- ▶ Main (Front) Dash Cam
- ▶ Front Dash Cam Bracket with Adhesive
- ▶ Rear Dash Cam with Adhesive
- ▶ Hardwire Harness
- ▶ Cigarette Lighter Adapter Harness
- ▶ 32GB microSD Card (already inserted in unit)

Rear Camera



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Front Camera







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LED Status

LED Indicator	Status	Definition
Wi-Fi	Flashing Blue LED/ Solid Blue LED	Searching for Hotspot/ Connected to Hotspot
	Flashing Green LED/ Solid Green LED	Searching for Wi-Fi/ Connected to Wi-Fi
Status	Solid Red LED/Flashing Red LED	Recording/Event Recording

Button Function

Button	Press*	Function
	< 3s	Manual recording
	3s < Press < 5s	Voice recording disable/enable
	> 5s	Format memory card
	< 3s	Wi-Fi-Network mode/Hotspot mode
	3s < Press < 5s	No Function
	> 5s	Reset to default factory settings

*When the button is pressed, a beep will occur every 3 and 5 seconds. The beep will sound and then specified function is performed when the button is released.

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Installing OPSIS by Stinger Dash Cam:

**For best positioning, it is recommended to look at the camera's live view from the app before mounting.*

Select a location on the windshield where the front view of the vehicle can be recorded. Ensure that the device will not obstruct the driver's view.

Clean the mounting location thoroughly.

Attach the mount to the dash cam, then stick to windshield in desired location.

Connect power to your dash cam by using either the hardwire harness or the cigarette lighter adapter harness.





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The dash cam will power on automatically and start recording to the SD card.

Recording Modes:

Continuous Recording	Records videos in 1-minute segments (dual channels are supported for recording the front and rear view)
Incident Recording	Records 10 seconds before and after the incident (total 20 seconds)
Manual Recording	Records from 10 seconds before and 50 seconds after manually starting the recording (total 1 minute)
Parking Mode Recording	Disabled (default); options in app
Audio Recording	Press the voice recording button to turn the audio recording on or off; Default is recording on

GPS (Optional External GPS support)

"GPS Connected" voice alert when GPS is connected

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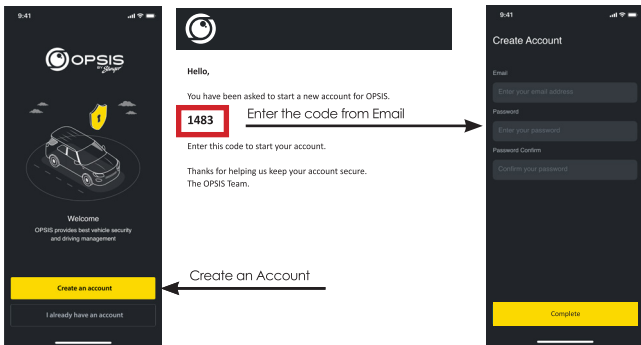


To manage the settings for your dash cam,
download the Stinger OPSIS app for iOS or
Android here by scanning this QR code: →



After downloading the app, open the OPSIS app and tap “Create an Account.”

To create an account, fill in the required information (your email address (ID)) and
create a password. OPSIS will send a verification email with a code to the email
address you provided. Enter the code into the app to complete account set up.





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To Connect OPSIS to Wi-Fi for the First Time:

Press “ + Add Device” and follow the on-screen directions. Press the Wi-Fi button on the dash cam. The Wi-Fi LED will start to blink green. Ensure Wi-Fi is enabled on your device (smartphone). Connect to Wi-Fi network “OP SIS_xx” (ex: OP SIS_08).

Enter the Wi-Fi Password: 123456789

Once the dash cam has been found and is connected, a notification will appear in the app. The Wi-Fi LED should be solid green at this time.

To Configure the Hotspot for the First Time:

NOTE: The dash cam must be connected to a smartphone via Wi-Fi.

In the app, go to “My Device” then “Cloud Setting on OPSIS App.”

Enter the hotspot information: Wi-Fi SSID and Wi-Fi Password, then tap “Save.”

The smartphone may disconnect from the OPSIS app after timing out.

The Wi-Fi LED will blink blue when searching for the hotspot. When the dash cam is connected, the blue LED will be solid.

*For detailed information, please download the complete manual:
www.stingersolutions.com/pages/opsis*

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Firmware Update:



Once the app is connected to the device, it will automatically check for the latest FW.

If there is a firmware update available, the "Firmware Update" button in Device Settings will be highlighted. Press the "Firmware Update" button to start the update. Once the firmware update is complete, the dash cam will restart automatically. It may take a few minutes for the update to be installed. When the update is complete, "Update is now complete" is announced. It may also ask to reformat the SD card at the end of the process. Press and hold "REC" for over 5 seconds on the dash cam to complete.

NOTE: Reformatting your card will delete all files. Ensure to save your desired files prior to starting the Firmware Update process.

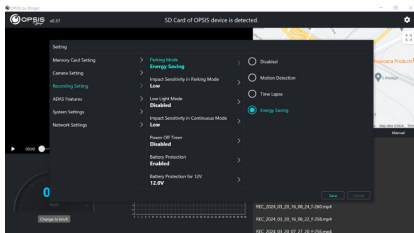
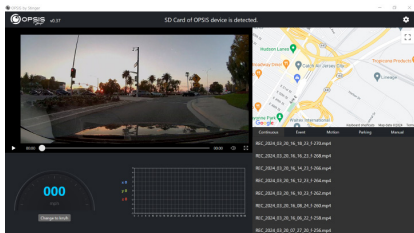


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PC Viewer:

PC viewer can be downloaded from opsisbystinger.com and is compatible with Mac and Windows.

The PC viewer allows you to view the settings and videos from the microSD card of OPSIS.



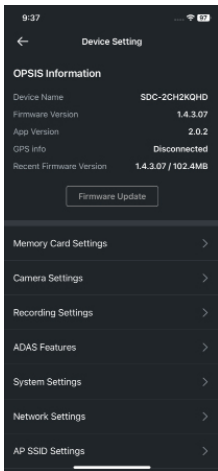
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Wi-Fi Function:

In the OP SIS by Stinger app when connected to Wi-Fi, you can:

- View the current information of the dash cam and app version
- Manage the dash cam settings



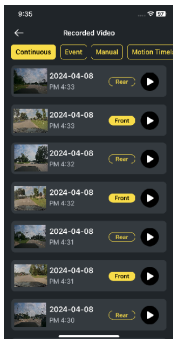
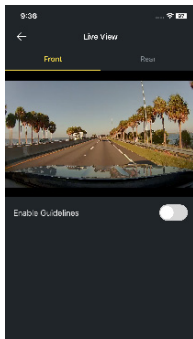


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In the OPSIS by Stinger app when connected to Wi-Fi, you can:

- View live video for both front and rear cameras

Guidelines can be enabled or disabled to assist in dash cam alignment and positioning



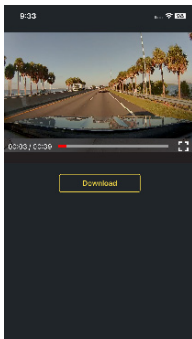
- View recorded videos

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In the OP SIS by Stinger app when connected to Wi-Fi, you can:

- Download videos





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Hotspot Functions:

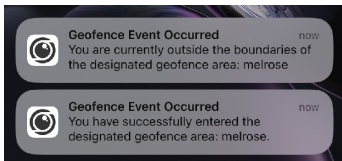
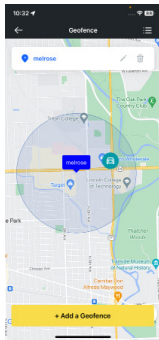
When your dash cam is connected to a hotspot, you can:

- Create, modify or delete geofences**

A geofence is a virtual fence or boundary around a location.

Set the geofence radius between 0.1mi and 2000 mi (161m to 3218km).

**GPS antenna required

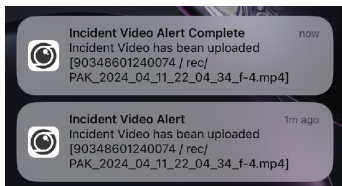


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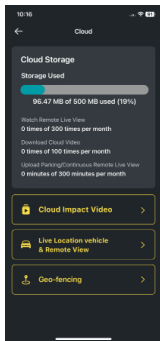


When your dash cam is connected to a hotspot, you can:

- Receive notification alerts when incident videos are uploaded



- View Cloud Storage status

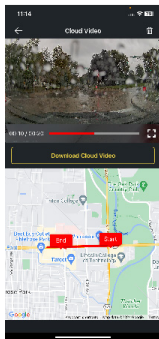
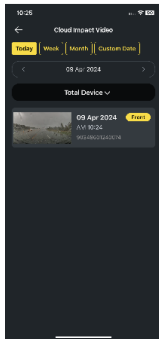




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When your dash cam is connected to a hotspot, you can:

- Automatically have a strong impact video uploaded to the cloud



- Play back videos stored in the cloud and download.

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- Remotely monitor your vehicle in real time, from anywhere, at any time.



All via OPSIS by Stinger app or logged on to opsisbystinger.com

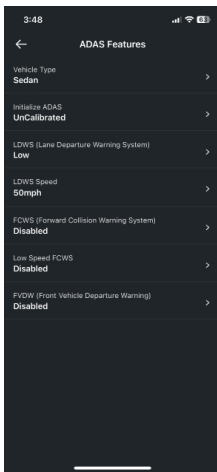


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Setting up ADAS functions:

To begin using the ADAS functions, calibration will need to be completed.

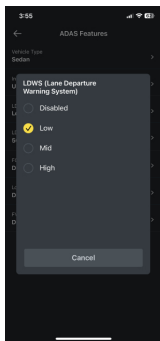
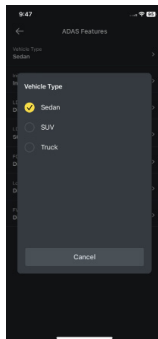
"Initialize ADAS" will have status "Uncalibrated."



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- Select your Vehicle Type.



- Enable the LDWS option.
(Low setting for calibration purposes).

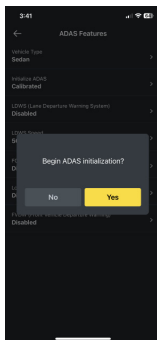


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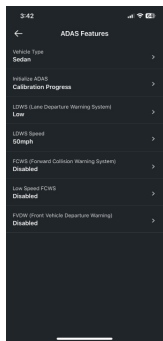
- Select "Initialize ADAS" and select "Yes" to begin calibration.

With LDWS enabled, drive the vehicle above 18 mph (30 km/h) for approximately 2 minutes. Calibration data from this drive will be saved.

Until calibration has been completed and LDWS warning beeps 2 times, calibration data will keep getting collected during every drive above 18 mph.



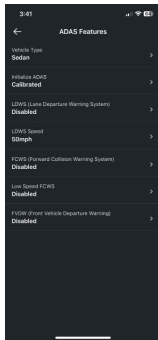
- During calibration, the status for "Initialize ADAS" will update to "Calibration Progress."



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- Once calibration has been completed,
the status will read "Calibrated."





OP SIS Settings:

Dash cam settings can be modified in the app or on the PC viewer.

Menu Item Type	Menu Title	Description	Default	Settings	Conditions
Memory Card Settings	Memory Partition	Allocate a specific percentage of space depending on purpose of using the dash cam. (Refer to Memory Partition chart)	√	Continuous Priority Incident Priority Parking Priority Manual Priority Driving Recording Only	
	Format Memory Card	Initiate formatting of the memory card.			
	Overwrite Videos	Select which recordings can be overwritten/ looped over.	√	Continuous Recording Incident Recording in Continuous Mode Motion Detection Recording in Parking Mode Incident Recording in Parking Mode Manual Recording	
Camera Settings	Brightness (Front)		√	Dark Mid Bright	

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Menu Item Type	Menu Title	Description	Default	Settings	Conditions
Camera Settings (cont.)	Brightness (Rear)		√	Dark Mid Bright	
	Rotate Rear Camera	Rotate rear camera image. This means that the image is flipped horizontally, as well as vertically.	√	Enabled Disabled	
Recording Settings	Parking Mode	Select recording mode when vehicle is parked. Motion Detection starts recording when motion is sensed. Time Lapse records whole time vehicle is parked. Energy Savings starts recording when only impact is sensed.	√	Disabled Motion Detection Time Lapse Energy Saving	
	Impact Sensitivity in Parking Mode	Sets the impact sensitivity while parked. If an impact occurs, the G-sensor detects the change in movement, prompting the dash cam to automatically start recording.	√	Lowest Low Mid High Highest	Motion / Time Lapse / Energy Saving



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Menu Item Type	Menu Title	Description	Default	Settings	Conditions
Recording Settings (cont.)	Low Light Mode	Select when low light mode is on during recording. Low Light Mode enables the dash cam to record detailed images at night or in low-light situations. It automatically detects a lack of light and adjusts the exposure level to improve overall video clarity.	√	Disabled Continuous Mode Parking Mode Continuous & Parking	
	Impact Sensitivity in Continuous Mode	Sets the impact sensitivity during continuous recording mode. If an impact occurs, the G-sensor detects the change in movement, prompting the dash cam to automatically start recording.	√	Disabled Lowest Low Mid High	
	Motion Sensitivity	Dash cam records when it detects movements within its lens' field of view and stops recording when no motion is detected.	√	Lowest Low Mid High Highest	Motion

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Menu Item Type	Menu Title	Description	Default	Settings	Conditions
Recording Settings (cont.)	Wintertime Battery Protection	Select month(s) where extra protection is desired for battery during cold weather. Threshold is increased by 0.2V.	None	Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct	Motion / Time Lapse
	Audio Recording	This feature allows the dash cam to record audio.	√	Enabled Disabled	
	Power Off Timer	This feature is available when Parking Mode is Enabled to automatically turn off OPSIS while in Parking Mode once the selected time limit has elapsed. Can be used when only want to record for a specific amount of time.	√	Disabled 3hs 6hrs 12hrs 48hrs 72hrs	Motion / Time Lapse



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Menu Item Type	Menu Title	Description	Default	Settings	Conditions
Recording Settings (cont.)	Battery Protection	This feature is available when Parking Mode is Enabled to automatically turn off OPSIS once the voltage threshold has been reached.	√	Enabled	Motion / Time Lapse
				Disabled	
	Battery Protection for 12V	Select the voltage level for the Battery Protection threshold for 12V batteries.	√	11.6 V	Motion / Time Lapse
				11.7 V	
				11.8 V	
				11.9 V	
				12.0 V	
				12.1 V	
				12.2 V	
Battery Protection for 24V	Select the voltage level for the Battery Protection threshold for 24V batteries.	√	23.2 V	Motion / Time Lapse	
			23.4 V		
			23.6 V		
			23.8 V		
			24.0 V		
			24.2 V		
			24.4 V		
24.6 V					

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Menu Item Type	Menu Title	Description	Default	Settings	Conditions
ADAS Features (**GPS required)	Vehicle Type	Select the type of vehicle that OPSIS is installed in.	√	Sedan SUV Truck	
	Initialize ADAS				
	LDWS (Lane Departure Warning System)	An alert will sound if OPSIS senses the vehicle leaving the lane.	√	Disabled Low Mid High	Parameter: Crossing over the lanes above the set speed; Will "re-align" itself after 15 seconds
	LDWS Speed	Set the speed when detection will start.	√	30mph 40mph 50mph 65mph	
	FCWS (Forward Collision Warning System)	An alert will sound when a safe distance is not maintained between your vehicle and the vehicle in front of you.	√	Disabled Low Mid High	Parameter: Detected speed is over 20mph (32kph)
	Low Speed FCWS	The low speed FCWS is triggered when the vehicle is travelling at 19mph (30kph) or lower.	√	Disabled Low Mid High	



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Menu Item Type	Menu Title	Description	Default	Settings	Conditions
ADAS Features (cont.)	FVDW (Front Vehicle Departure Warning)	When the vehicle is stopped at an intersection or in traffic, FVDW informs the driver when the vehicle in front has started to move, preventing delayed departure.	√	Enabled Disabled	Parameter: Detected vehicle speed is 0 mph (kph) for at least 15 seconds.
System Settings	Language	Select the language of the voice prompts.	√	English Spanish French Korean Chinese Japanese Arabic German	
	Volume		√	Off Low Mid High	

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Menu Item Type	Menu Title	Description	Default	Settings	Conditions
System Settings (cont.)	Notification Alerts	Select which voice alerts to enable.	√ √ √ √ √	Wi-Fi GPS Continuous Rec Entering Parking Mode Events During Parking Mode	
	Time Zone	Select time zone based on UTC. Starting from -12:00 to +13:00	√	UTC -08:00	
	Daylight Saving	If the time zone is set correctly but the time is still off by an hour, correct it by enabling or disabling daylight saving time.	√	Enabled Disabled	
	Date Format	Select preferred date format.	√	YYYYMMDD DDMMYYYY MMDDYYYY	
	Time Stamp	Enable a time stamp on the footage via GPS. (If GPS is not built-in, an external GPS antenna is required).	√	On Off	



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Menu Item Type	Menu Title	Description	Default	Settings	Conditions
System Settings (cont.)	Speed Stamp	Imprint the vehicle's exact speed stamp on footage. (If GPS is not built-in, an external GPS antenna is required).	√	On Off	
	Security LED (Front)	Select to have flashing LED on at all times.	√	On Off	
	Speed Unit		√	kph mph	
Network Settings	Network Function	The Network Function Setting enables OPSIS to connect to Cloud Servers to allow use of the Cloud Features.	√	Enabled Disabled	
	Strong Impact Notification While Driving	If a strong impact is detected while driving, send notification to phones logged into the Cloud Account.	√	Disabled Low Impact High Impact	

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Menu Item Type	Menu Title	Description	Default	Settings	Conditions
Network Settings (cont.)	Uploading Driving Impact Video	When an accident or strong impact is detected while driving, OPSIS will automatically upload footage to the cloud only if the dash cam is connected to a hotspot.	√	Enabled Disabled	
	Strong Impact Notification While Parked	Depending on the setting of impact sensitivity in Parking Mode, if a strong impact is detected while parked, send notification to phones logged into the Cloud Account.	√	Disabled Enabled	Energy Saving / Motion / Time Lapse
	Uploading Strong Impact Video Recorded While Parked	When an accident or strong impact is detected while parked, OPSIS will automatically upload footage to the cloud only if the dash cam is connected to a hotspot.	√	Enabled Disabled	Energy Saving / Motion / Time Lapse



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Menu Item Type	Menu Title	Description	Default	Settings	Conditions
Network Settings (cont.)	Streamer	If the live stream is disabled, live video streaming (Live View) will not work.	√	Start Stop	
	Wi-Fi / Hotspot Switch		√	Wi-Fi Hotspot	
AP SSID Settings	APSSID			OP SIS_XX	
	AP WPA PSK			123456789	

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Memory Partition:

Partitioning of the memory card allocates a specific percentage of the space depending on purpose of use of the dash cam. Default percentages are shown below:

	Continuous Recording Priority	Incident Recording Priority	Parking Recording Priority	Manual Recording Priority	Driving Recording Priority
cont_rec	63%	45%	35%	35%	79%
evt_rec	12%	21%	10%	15%	9%
manual_rec	9%	9%	9%	40%	12%
motion_ timelaps_rec	12%	14%	42%	5%	0%
parking_rec	5%	12%	5%	5%	0%

Dash Camera Specs:

Dimensions/Weight	98 x 34.8 x 30 mm / 71.7 g 3.86 x 1.37 x 1.18 inch / 0.16 lb
Memory	microSD memory card 128GB max (UHS-I)
Camera Sensor	2.0 Megapixel, 1/2.8"
Viewing Angle (lens)	Approximately 135° (diagonally)
Video	FHD (1920 x 1080) / H.264 / file extension: MP4
Frame Rate	Maximum 30 fps
Audio	HE-AAC
GPS	Optional External GPS support (port)
Acceleration Sensor	3-axis acceleration sensor (3D, ±3G)
Rear Camera	V-IN port
Power Input	DC 12 / 24 V supported
Power Consumption	2ch: 0.32A@13V / 1ch: 0.23A@13V
Auxiliary Power Unit	Super capacitor
LED Indicator	Rec LED, Wi-Fi LED
Mic/Speaker	Built-in/Built-in
Operating temperature	14 – 140°F / -10 – 60°C
Storage temperature	-4 – 158°F / -20 – 70°C

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Rear Camera Specs:

Dimensions/Weight	60.0 x 25.0 x 33.7 mm / 23.7 g 2.36 x 0.98 x 1.32 inch / 0.052 lb
Camera Sensor	2.0 Megapixel, 1/2.9"
Viewing Angle (lens)	Approximately 130° (diagonally)
Video	FHD (1920 x 1080) / H.264 / file extension: MP4
Frame Rate	Maximum 30 fps
LED Indicator	Security LED
Operating Temperature	14 – 140°F / -10 – 60°C
Storage Temperature	-4 – 158°F / -20 – 70°C



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STINGER LIMITED PRODUCT WARRANTY (NON-TRANSFERABLE)

Stinger, a Florida corporation (Stinger) warrants to the original retail purchaser, that the Stinger branded automotive product(s) purchased from an Stinger Authorized Dealer and/or new car dealership, and installed in the original vehicle, are free from defects in materials or workmanship under normal use and conditions for a minimum period of 1 Year from date of retail purchase, whichever comes first. A sales receipt or vehicle purchase contract, showing the installation date and Stinger product details are required to verify proof of retail purchase. No warranty registration is required. Should the product(s) or any part thereof be determined defective during the applicable warranty period, the defective product(s) will be repaired or replaced with equivalent reconditioned product(s), at Stinger sole option. To obtain warranty service, the product(s) must be returned to an Stinger authorized dealer along with proof of retail purchase and warranty coverage.

Stinger Products purchased from an unauthorized dealer are excluded from warranty coverage.

Exclusions

- Repair or installation labor.
- Elimination of externally generated static or noise, or the correction reception problems or loss of service due to Terrestrial Radio, Satellite Radio, Phone, Bluetooth, TV, or Navigation signals.
- Costs incurred and/or loss of vehicle use for installation, removal or reinstallation of the product(s).
- Damage to, Non-Stinger cameras, non-Stinger speakers, non-Stinger accessories, software or vehicle electrical systems.

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- Cosmetic damage or damage due to negligence, misuse, abuse, failure to follow operating instructions, accidental spills or customer applied cleaners, chemicals, salt, hail, windstorms, lightning or extreme temperatures.
- Damage due to improper installation or connection, improper connection to equipment of another manufacturer or modification of existing equipment.
- Product(s) which have been opened or tampered with for any reason or which have been damaged due to alteration or service performed by anyone other than Stinger.
- Back-Up Camera (if so equipped): damage or loss due to improper use, failure to clean the camera lens, understanding of the camera's capabilities and limitations

The extent of Stinger liability under this warranty is limited to the repair or replacement provided above and, in no event, shall Stinger liability exceed the purchase price paid by purchaser for the product. Except as expressly set forth in this limited warranty, Stinger makes no other warranties, expressed or implied, including any implied warranties of merchantability and fitness for a particular purpose. Stinger expressly disclaims all warranties not stated in this limited warranty. Any implied warranties that may be imposed by law are limited to the terms of this expressed limited warranty.

Some states do not allow limitation on how long an implied warranty lasts. In such states, the limitations or exclusions of this Limited Warranty may not apply. Some states do not allow the exclusion or limitation of incidental or consequential damages. In such states, the exclusion or limitation of this Limited Warranty may have other rights, which vary from state to state.

Stinger | 15500 Lightwave Dr Clearwater, FL 33760 | stingersolutions.com

