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1. Keeping your Stinger up-to-date

To optimally benefit from your Stinger we suggest you use the Stinger Desktop application to check for updates regularly.

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2. Contact and help

If, at any point, you have questions regarding your Stinger, more information and answers can be found in the following ways:

Head Office

Phone:	+31 (0)252 - 41 80 95
Website:	www.stinger.com
Email:	mail@stinger.com
Online manuals:	www.stinger.com/manuals

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1. Keeping your Stinger up-to-date

To optimally benefit from your Stinger we suggest you use the Stinger Desktop application to check for updates regularly.

1. If you have not yet installed the Stinger Desktop application on your Mac (or PC if need be), it can be downloaded from www.stinger.com/downloads.
2. Connect the Stinger USB key of your Stinger VIP to your Mac (or PC).
3. The Stinger Desktop application will automatically check for and show any available updates.
4. Follow the steps shown on the screen of your Stinger Desktop.

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3. Using your Stinger VIP

Using your Stinger VIP is extremely simple. Make sure your Stinger USB key is connected to the Stinger USB cable in your car. Your VIP will automatically start up each time you turn on the ignition of your car and shut down when you turn the ignition off again. Clear, color-coded alerts make driving with the VIP pleasurable and straightforward. Green means 'relax', yellow 'suppressed alert' and red 'full alert'.

Green
No special circumstances

Yellow
Perceived threat likely unimportant

Red
Direct attention requested

After start-up the VIP will always take you to the Pilot screen (the standard operating screen).

For any further interaction with the VIP you can use the pressure sensitive touch display. At any time, pressing the Stinger S-key will take you directly to the main menu.

—————————— Pilot screen ——————————

⬌ Function active
⬌ Function not active

Your current speed

SpeedSense
See: 8. Suppressing of false alerts

S-key
Key to main menu

In the main menu you can proceed to the Settings-menu where you can change settings such as volume, brightness, time, language, kilometer/miles and SpeedSense. From the main menu simply press the 'Pilot' icon to return to the Pilot screen.

—————————— Main menu ——————————

Side buttons
'Hidden' keys for which you can select the functionality in the Settings menu

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4. SafetySignals

The Stinger VIP incorporates an advanced safety system. At great distances it picks up SafetySignals that can be transmitted around work zones, school zones and emergency vehicles. These signals will be transcoded in real-time and shown as the appropriate alert. This way your VIP can alert you up to a kilometer ahead of a special traffic situation. Depending on the application, there are several ways a SafetySignal can be generated.

Cars equipped with Stinger Laser can even automatically and instantly alert other - Stinger Laser equipped - cars to dangerous situations such as heavily braking traffic.

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5. PoliceCheck

This unique Stinger feature enables you to dispute unjust or incorrect traffic citations. With PoliceCheck switched on (Main Menu > Settings > PoliceCheck), your VIP will automatically log the instances you encountered radar, laser and other types of speed traps. Of those moments it will also log other data including your speed and essential details such as radar frequencies. That latter enabling you to check if the radar in question has been operating within legal bandwidths.

In the Stinger Desktop application you can retroactively look up, store and print all the collected data.

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6. MileageLog

To assist with someone's hourly billing or travel cost administration, and in some countries even to help avoid extra state taxes, your Stinger VIP can keep detailed track of all your business and private car travel.

At the start of any trip you simply choose the trip type (Business, Personal or Commute) or automatically let it default. To register trip 'interruptions' like petrol and food stops you just choose 'pit stop' when resuming your ride.

With the supplied Stinger USB key it is a cinch to transfer your RouteLogging information to the Stinger Desktop application on your Mac (or PC) and further manage the data.

7. Types of speed traps

Alerts of the VIP distinguish between the types of speed traps:

a. Spot

Post with induction loops

Radar installation

b. Section

c. Laser

Sidelaser

Gun

d. Radar

On tripod

In car

Radar installation (active)

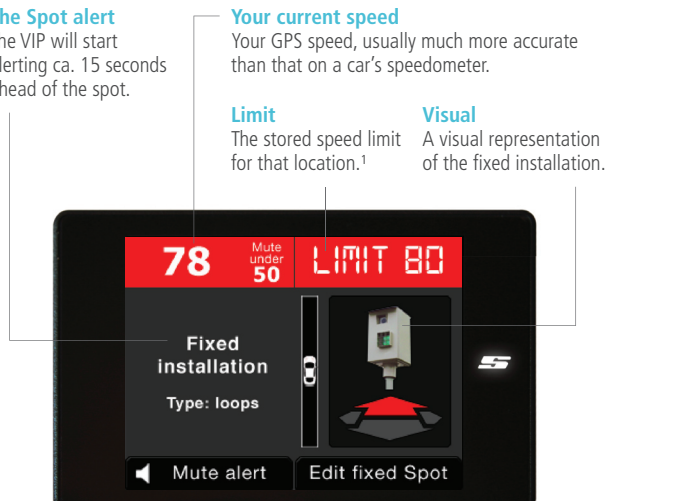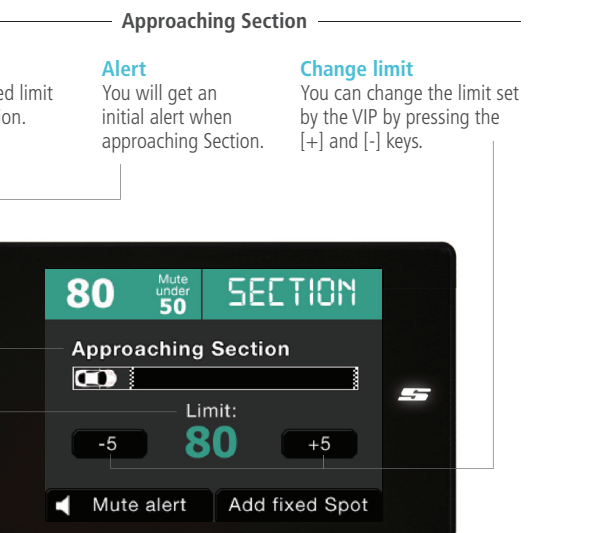## 7a. Spot

The VIP will alert you, with the help of GPS technology, to fixed speed trap installations (such as posts with induction loops and radar installations) or simply 'Spots'. Stinger has mapped the vast majority of fixed speed trap installations in the world (which by definition are located in fixed spots) and distributes these in the form of so-called 'SpotList'. Just use the Stinger Desktop application on your Mac (or PC) to keep your SpotList up-to-date.

Whenever you approach a location that's in the Stinger SpotList, the VIP will show you the following type of alert screen:

The Spot alert
The VIP will start alerting ca. 15 seconds ahead of the spot.

Your current speed
Your GPS speed, usually much more accurate than that on a car's speedometer.

Limit
The stored speed limit for that location.[*]

Visual
A visual representation of the fixed installation.

78 | Multi 50 | LIMIT 80

Fixed installation
Type: loops

◄ Mute alert | Edit fixed Spot

[*] Stored limit might not always correspond with the actual speed limit
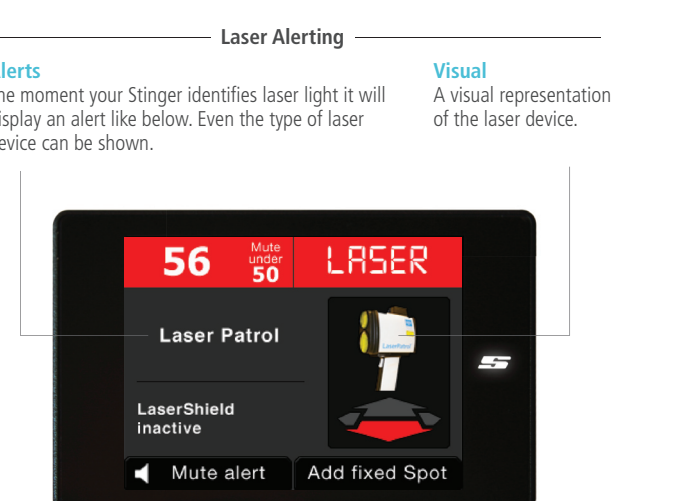
7b. Section

Section Alerting will warn you for, and guide you through, the Section Controls (a.k.a. SPECS or 'automated VASCAR'). With Section Control cameras (regardless of your speed) register your vehicle at a point 'A' and then again at point 'B' (often at least a mile down the road). A computer then automatically calculates your average speed between points 'A' and 'B' and arranges for your ticket in case of speeding.

With the clear information of the VIP you will effortlessly be guided through Section Control.

─── Approaching Section ───

Limit
The set speed limit for the Section.

Alert
You will get an initial alert when approaching Section.

Change limit
You can change the limit set by the VIP by pressing the [+] and [-] keys.

80 | Multi 50 | SECTION

Approaching Section

Limit:
-5 | 80 | +5

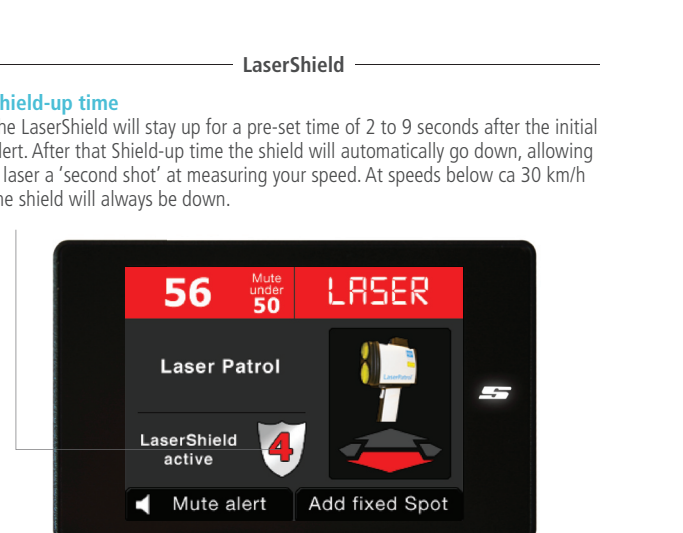◄ Mute alert | Add fixed Spot

7c. Laser

If you have equipped your VIP with Stinger Laser, it can provide you with protection against laser speed traps*. In such traps a device will fire laser light towards your car and use the reflections to determine your speed.

Laser Alerting*

The Laser Alerting functionality allows your Stinger to instantly see that laser is being fired, often even already when cars ahead of you are being targeted. In your car you will be alerted with clear visual and audible warnings.

─── During Section ───

Average speed
Your real-time average speed in the Section so far.

Section length
Your position within the Section shown graphically and in numbers.

78 | Multi 50 | SECTION

Length: | 1300 meter

Average: | 80

◄ Mute alert | Add fixed Spot

─── End of Section ───

Average speed
Your final average speed over the completed Section. If exceeding the limit a 'sad face' will be shown and the sound of a camera shutter played.

80 | Multi 50 | SECTION

Section has ended
Length: 1300 meter

Average: | 82

◄ Mute alert | Add fixed Spot

─── Laser Alerting ───

Alerts
The moment your Stinger identifies laser light it will display an alert like below. Even the type of laser device can be shown.

Visual
A visual representation of the laser device.

56 | Multi 50 | LASER

Laser Patrol

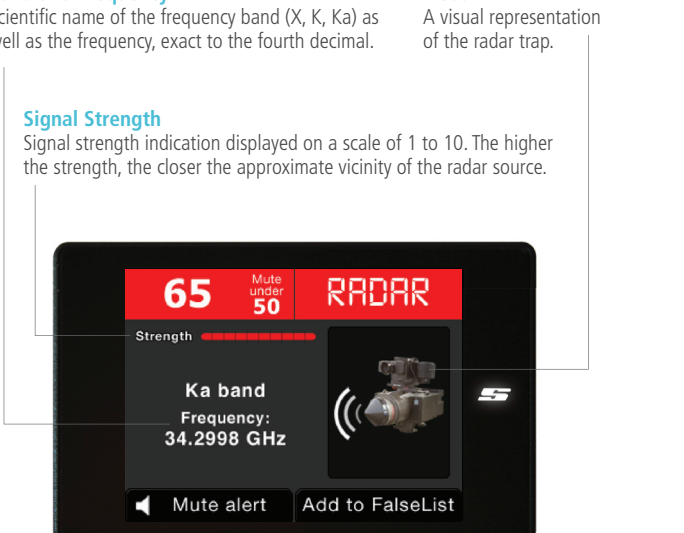◄ Mute alert | Add fixed Spot

LaserShield*

When being fired at with laser, your Stinger can instantly deploy a shield of invisible light: the LaserShield®. It will (temporarily) make it nearly impossible for laser guns to measure your speed.

The LaserShield is so advanced that even modern side-lasers (positioned next to the road, for instance installed into the guard rail) can be effectively blocked.

─── LaserShield ───

Shield-up time
The LaserShield will stay up for a pre-set time of 2 to 9 seconds after the initial alert. After that Shield-up time the shield will automatically go down, allowing a laser a 'second shot' at measuring your speed. At speeds below ca 30 km/h the shield will always be down.

56 | Multi 50 | LASER

Laser Patrol

LaserShield active

◄ Mute alert | Add fixed Spot
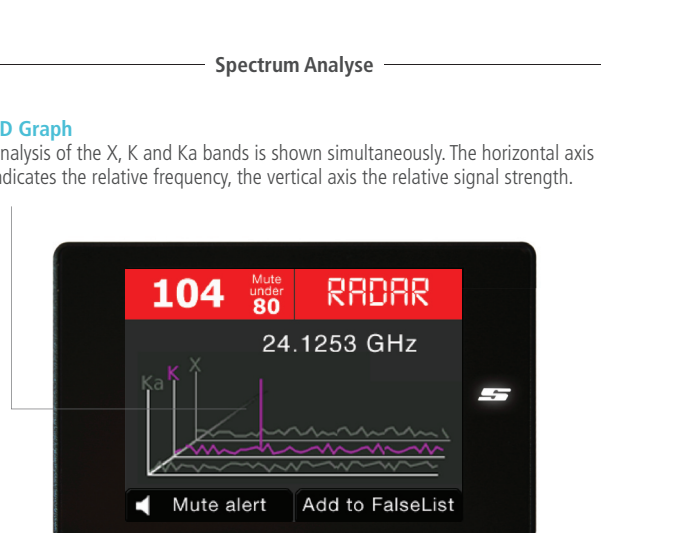
* Optional: available where allowed

7d. Radar

Radar based speed traps determine your speed with the help of reflected radio waves. Those radars may be set up temporarily in a car or on a tripod next to the road, or be part of a fixed installation such as in a cabinet next to or above the road. The SpotList Alerting feature (described in 7a.) can only alert you to the fixed locations. Radar Alerting, however,

can recognize the radio waves emitted by the radars and therefore not just alert to the (active) fixed radars, but also to the temporary and mobile ones. As a result of its unique Multi Polarity HD antenna the Stinger VIP can even timely recognize speed radars where radar detectors fall short.

The extreme accuracy of the Stinger VIP is also evident in the Spectrum Analysis screen. Go to settings to select it as your default screen or to define it as a toggle key.
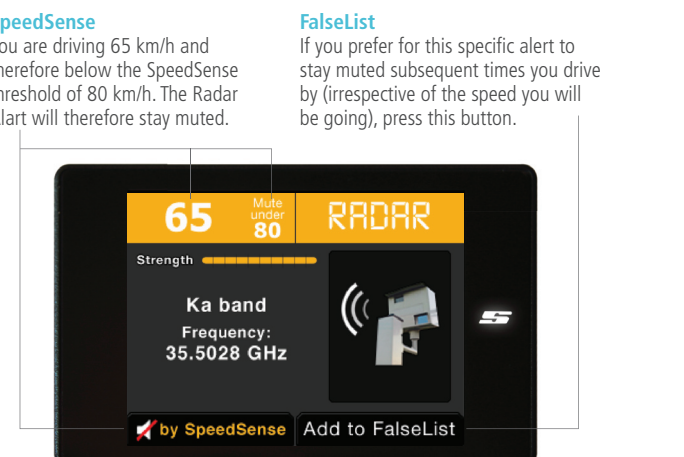
─── Radar Alerting ───

Band and Frequency
Scientific name of the frequency band (X, K, Ka) as well as the frequency, exact to the fourth decimal.

Signal Strength
Signal strength indication displayed on a scale of 1 to 10. The higher the strength, the closer the approximate vicinity of the radar source.

Visual
A visual representation of the radar trap.

65 | Multi 50 | RADAR

Strength

Ka band
Frequency:
34.2998 GHz

◄ Mute alert | Add to FalseList

─── Spectrum Analyse ───

3D Graph
Analysis of the X, K and Ka bands is shown simultaneously. The horizontal axis indicates the relative frequency, the vertical axis the relative signal strength.

104 | Multi 50 | RADAR

24.1253 GHz

◄ Mute alert | Add to FalseList

LaserShield*

When being fired at with laser, your Stinger can instantly deploy a shield of invisible light: the LaserShield®. It will (temporarily) make it nearly impossible for laser guns to measure your speed.

The LaserShield is so advanced that even modern side-lasers (positioned next to the road, for instance installed into the guard rail) can be effectively blocked.

8. Suppression of false alerts

SpeedSense

This function offers an easy way to eliminate many unwanted alerts. Simply activate a threshold speed under which your VIP will automatically mute all alerts. Go to 'Main Menu > Settings > SpeedSense' to change the chosen threshold or just press the Display where it shows your current speed.

FalseList*

Whenever you receive a false alert, simply hit the 'Add to FalseList' button to store that specific signal at that specific location in the FalseList of your Stinger. Next time you drive past, your VIP will stay pleasantly quiet.

SpeedSense
You are driving 65 km/h and therefore below the SpeedSense threshold of 80 km/h. The Radar Alert will therefore stay muted.

FalseList
If you prefer for this specific alert to stay muted subsequent times you drive by (irrespective of the speed you will be going), press this button.

65 | Multi 50 | RADAR

Strength

Ka band
Frequency:
35.5028 GHz

'by SpeedSense' | Add to FalseList

* Optional: available where allowed

STINGER

VIP
User manual
English