

USER GUIDE

5075EXS
High Performance
**LASER-RADAR
DETECTOR**

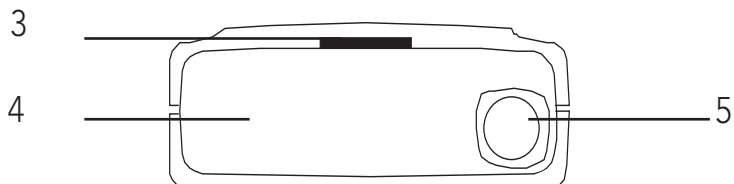
The Whistler Group Corporate Headquarters



WHISTLER

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WHISTLER FEATURES



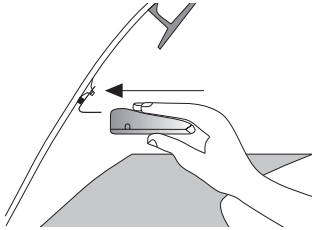
FEATURE DESCRIPTIONS

1. **Bracket Release Button** - provides quick and easy release of the mounting bracket.
2. **Speaker** - provides distinct audio warnings.
3. **Mounting Bracket Location** - slot holds mounting bracket firmly.
4. **Radar Antenna** - compact, high-efficiency antenna receives radar signals.
5. **Front Laser** - high gain optical lens provides increased sensitivity and field of view for leading-edge laser detection.
6. **Rear Laser** - an integrated optical waveguide provides superior detection of laser signals transmitted from behind.
7. **City Button** - reduces the annoyance of false alerts typically encountered in urban driving areas.
8. **Quiet/Vol Button** - Engages Quiet/Auto Quiet Mode. Press and hold to adjust volume.
9. **PWR/DIM** - engages Dim/Dark modes and turns power on and off.
10. **Menu Button** - enters Option Select Mode.
11. **Full Color Display** - provides distinct visual confirmation of signals detected, signal strength, and indicates engaged modes of operation.
12. **Function Button** - allows you to quickly toggle between select pre programmed features.
13. **GPS Antenna** - provides Traffic Camera alerts as well as other speed selective settings.
14. **Power Jack** - provides connection for the power cord.
15. **USB Jack** - provides connection to a PC for data updates.

INSTALLATION

Mounting Guidelines

- Mount the unit as low as possible near the center of the windshield.
- Do not mount the unit behind wipers, ornaments, mirrored sunscreens, etc. These obstructions have metal surfaces which can affect radar and laser signals and reduce critical warning time. (Regular tinted glass does not affect reception).
- Some windshields have an Instaclear™ or Electriclear™ type coating, which affect radar signals. Consult your dealer or the owner's manual supplied with your vehicle to determine if your windshield has this coating.
- Avoid placing the unit in direct contact with the windshield.
- To reduce the possibility of theft, conceal the unit when not in use.

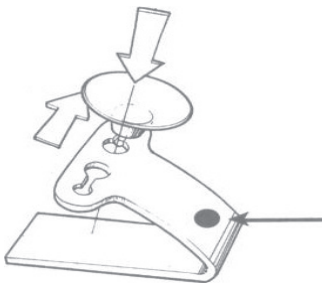


Windshield
Mounting

IMPORTANT: Make sure the unit is level

Windshield Mounting

- Install the two suction cups and rubber bumper onto the bracket by fitting them into their holes.
- Press the suction cups onto the windshield at the location you have chosen.



Rubber
Bumper

INSTALLATION

Important: Some newer cars have a plastic safety coating on the inside of the windshield. The windshield bracket may leave permanent marks on this type of surface. To find out if your vehicle has this type of windshield, check the vehicle's owner's manual or ask your dealer. We recommend that you do not leave the suction cup bracket on the window in direct sunlight. If the detector is removed, this may cause blistering of the dash in some vehicles.

- Slide the detector onto the bracket until it locks into place.
- If necessary, the unit may be leveled by bending the windshield bracket. Press the bracket release button and remove the detector before bending.

Power Cord Connection

- Plug the small end of the power cord into the unit's power jack.
- Plug the large end into the vehicle's cigarette lighter socket.

NOTE: Cord fits tightly into detector. When installing the cord, expect some resistance.

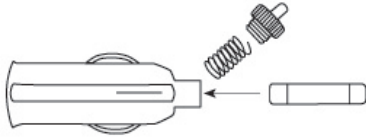
The USB can charge an ipad, iphone, smartphone, MP3 or tablet. The output for the USB port is 1A.



Fuse Replacement

The lighter socket plug is equipped with a replaceable 3 amp, 3AG fuse located behind the silver tip. To replace the fuse, carefully unscrew the tip of the plug.

INSTALLATION



IMPORTANT: Unscrew slowly. The tip contains a spring which may fly out when disassembling. Insert the new fuse with the spring and screw on the tip. With use, the screw cap on the plug may loosen. Retighten it occasionally.

Power On Self Test

To turn the unit ON or OFF, press and release the PWR/Dim button. Each time your Whistler detector is turned on, an automatic self-test sequence confirms that the speaker and visual displays are functional.

To turn the unit off:

- Press and release PWR/Dim briefly and the display will show a 5 second count down before powering off. If you pressed the power button by mistake, press the PWR button again during this 5 second period will cancel power down.
- If the unit is powered by a switched 12 volt source the unit will turn off when the ignition key is removed.

Audio Level Adjustment

To change the audio level:

- Press and hold the "Quiet/VOL" button to increase or decrease the volume level, continuing to hold this button will repeat the sequence. As audio level is adjusted, beeps are provided and the display indicates volume level.

Integrated Real Voice®

Real Voice® will be used to articulate the following:

1. Band Identification
2. Safety Warning System™ categories
3. Feature Selection

Auto Quiet Mode

Auto Quiet mode reduces the selected audio level to level (1) approximately 5 seconds after a radar or safety warning system™ signal is detected. The alert for any new signal within 20 seconds will resume at level (1).

OPERATION

Auto Quiet mode does not affect laser alerts.

- Press Quiet (before a signal is detected) to engage Auto Quiet mode.
- Once the Auto Quiet mode is engaged, you may cancel the audio alarm by pressing Quiet.
- Press Quiet (when the unit is not alarming) to cancel Auto Quiet mode.

Quiet Mode

Quiet mode cancels audio during an alert and any new alert within 20 seconds. After 20 seconds of no radar signal detected, the audio alerts are restored.

- Press Quiet to cancel the audio.
- Press Quiet a second time during an alert to restore the standard audio alert pattern.

Speed Selectable Auto Quiet

Traveling below the speed selected in option mode will engage Auto Quiet mode.

NOTE: Enter Option Mode to set Speed Selectable Auto Quiet.

City/City 1/City 2 Mode

Whistler's Three Stage City Mode is designed to reduce the annoyance of automatic door openers, intrusion alarms and other devices which share frequencies with police radar. Generally, X band is used for these devices.

- Press City button to cancel Highway Mode and engage City Mode.
- Press City button again to enter City 1 Mode.
- Press City button again to enter City 2 Mode.
- Press City button a fourth time to cancel City 2 Mode and returns the unit to Highway Mode.

In City Mode, weak speed/safety warning system™ signals give an initial alarm of two beeps, and then remains quiet unless the signal becomes very strong. When the signal strength increases, two additional beeps are provided. City 1 and City 2 Modes operate the same as Highway Mode, but in City 1 Mode, only the X band sensitivity is lowered. In City 2 Mode, X-band is not detected.

OPERATION

CAUTION: Some towns/small cities may still be using X band radar. City Modes do not change the audio alert for laser.

Highway Mode

Highway mode provides full audio warnings any time radar (X, K, Ka, Safety Warning System™) or laser signals are detected, and is recommended for open road driving.

Dim/Dark Mode

Dim/Dark Mode reduces the illumination of the display.

- Press the DIM button to reduce illumination to a Dim setting.
- Press the DIM button a second time engages Dark Mode. The display illumination is further reduced.

Dim or Dark Mode can be engaged during an alert. In Dark Mode, the display goes dark for as long as a signal is being detected and for 20 seconds after, then the display returns to the dimmer setting.

- Press the DIM button a third time to restore full illumination to the display.

Setting Saver

Setting Saver stores your personalized settings so that when the detector is turned off and then on again, you do not have to re-enter them.

Feature Engaged Confirmation

Each time a button is pressed, one beep confirms feature "on", two beeps confirm feature "off".

Screen Saver Mode

While driving, display is in normal operation. After one minute of inactivity the display will enter a screen saver. A press of the Function button will cycle through available color choices. If any other button is pressed the display will suspend the screen saver.

OPERATION

Vehicle Battery Saver Mode

The Vehicle Battery Saver Mode when selected automatically shuts off the detector after 3 hours. The timer is reset if the detector is turned off, unplugged or any button is pressed before the timer has expired. The detector will alert you with an audible and visual warning before it shuts off. During this warning, you can momentarily reset the timer by pressing any button. If the unit has automatically turned off, press the Power button to turn the unit back on. Refer to "Option Select Mode" for changing the battery saver mode options.

Red Light/Speed Camera Detection

This unit is capable of alerting to these locations with the updatable database.

Getting a Satellite Lock

Powering up, the unit will begin its search for satellites. During this time, the unit will flash the satellite icon on the display. Please allow several minutes for the unit to lock onto the satellites. This delay is normal when the unit is turned on at least 500 miles from when the unit last received a satellite lock or if several days have passed since its last usage.

NOTE: Driving while initially searching for satellites will take longer than if you are stationary. Acquiring satellites takes much longer the first time.

Camera Alerts

When approaching a known camera, the unit will provide the type of alert (Red Light Camera, Traffic Camera, Speed Camera, or User Location). Example: the display will show TRF CAM then count down the distance to the camera. Once past the camera location, the unit will provide a beep-beep audio tone and the word PASS will be shown on the display.

Manual Entry (Waypoint)

The unit will save a special location (i.e., a new red light camera or even a "trap") if you enter it manually. The unit will store 1000 user locations. **NOTE:** Manual entries must be approximately 330 feet apart to prevent overlapping locations. To manually enter a location, press and release the FUNCTION button (see Option Select Mode) and the unit will beep to confirm. Manual entries can be deleted within a certain radius (selected in Option Select Mode). Once a radius is selected the data can be deleted within the selected Radius or they all can be deleted completely from memory.

OPERATION

Filter Modes

There are times when a radar detector in another vehicle, can emit a frequency which can cause your detector to falsely alert. The Filter Modes allow you to select the level needed for your area to minimize the occurrences of these false alerts. Filter Mode is the factory default setting and should provide adequate filtering for most conditions. If you experience excessive alerts due to radar detectors in other vehicles, increase the Filter level. See Option Select Mode chart to change the filter settings.

Speed Selectable Filter Mode

Traveling below the speed selected in option mode will apply the maximum Filter.

NOTE: Enter Option Mode to set Speed Selectable Filter.

Field Disturbance Sensor Rejection (FDSR)

Traffic Flow Sensor Rejection (TFSR)









Recently many new products that operate on police radar frequencies have been causing nuisance alerts to radar detectors. These radar based sensors are installed alongside the Highway and more recently on vehicles used as lane change assist / blind spot detectors / collision avoidance systems. **TFSR** when turned ON is designed to eliminate alerts from specific Traffic Flow sensors. **FDSR** when turned ON is designed to identify all radar based collision avoidance systems that operate within the same band as police radar and provide a brief less intrusive alert to keep you informed and aware. A signal strength indicator will help determine your proximity to the source without the continued annoyance of audio.

We suggest you turn FDSR ON if you are experiencing excessive random false alerts when behind select vehicles.











Option Select Mode

Press the Menu button to enter Option Select Mode. Each press of the Menu button changes to the next selectable feature. The DIM (D) button and the Quiet (Q) button turns the feature ON (Bright)/OFF (Dim). A button must be pressed within 20 seconds or Option Select Mode will automatically be exited.




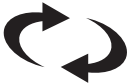






OPERATION

Feature	Display Shows	To Change D=DIM / Q=Quiet	Option
Function 1		D or Q to select	Control of TFSR, FDSR, TONE, FILTER or WAYPT
Function 2		D or Q to Select	Control of TFSR, FDSR, TONE, FILTER or WAYPT
TONE		D or Q to Select	Tone 1, 2, 3 (3 Different Tone Patterns)
TEST		D = ON Q = OFF	X, K, Ka Audio Tones One Beep During Power Up
X BAND		D = ON Q = OFF	X Band = ON (Default) X Band OFF
K BAND		D = ON Q = OFF	K Band = ON (Default) K Band OFF
Ka BAND		D = ON Q = OFF	Ka Band = ON (default) Ka Band = OFF
LASER PULSE RATE		D or Q to Select	LSID YES (default) LSID NO
LASER AREA 1	.02~.95Y	D = ON Q = OFF	Laser Area 1 = ON (Default) Laser Area 1 = OFF
LASER AREA 2	2.6~3.2Y	D = ON Q = OFF	Laser Area 2 = ON (Default) Laser Area 2 = OFF
LASER AREA 3	3.8~4.2Y	D = ON Q = OFF	Laser Area 3 = ON (Default) Laser Area 3 = OFF

OPERATION

Feature	Display Shows	To Change D=DIM/ Q=Quiet	Option
VG-2 Mode		D = ON Q = OFF	VG-2 = ON VG-2 = OFF (Default)
SWST™		D = ON Q = OFF	SWST™ = ON SWST™ = OFF (Default)
POP™		D = ON Q = OFF	POP™ = ON POP™ = OFF (Default)
VOICE		D or Q to Select	VOICE EN (English, default) VOICE SP (Spanish) VOICE N = OFF
BATTERY SAVER		D = ON Q = OFF	Battery Saver = ON Battery Saver = OFF (Default)
FILTER		D or Q to Select	Filter (default) Filter 1
TFSR		D = ON Q = OFF	TFSR = ON (default) TFSR = OFF
FDSR		D = ON Q = OFF Both D & Q	FDSR = ON FDSR = OFF (default) FDSr = FDSR, no Audio
GPS MODE		D = ON Q = OFF	GPS Mode ON (Default) GPS mode OFF
LOCAL TIME		D or Q to select	Change Time Zone

OPERATION

Feature	Display Shows	To Change D=DIM / Q=Quiet	Option
DAYLIGHT SAVINGS		D = ON Q = OFF	Daylight Savings ON Daylight Savings NO (Default)
CLOCK		D = ON Q = OFF	Clock Display ON (Default) Clock Display NO
COMPASS Mode		D = ON Q = OFF	Compass Mode ON (Default) Compass Mode OFF
UNIT of MEASURE		D or Q to Select	English /Metric / OFF
SPEED WARNING		D or Q to Select	Over speed warning, select desired speed limit for alert
AUTO QUIET SPEED		D or Q to Select	Select low speed limit for Auto Quiet to engage
AUTO FILTER SPEED		D or Q to Select	Select low speed limit for Auto Filter to engage
ALARM RADIUS		D or Q to Select	Select 200, 400, 600
DELETE RADIUS		D or Q to select D and Q to execute	Select delete waypoint radius
DELETE WAYPOINTS		Both D and Q	Delete all manual waypoints

OPERATION

Stay Alert Feature

The Stay Alert Feature is designed to test a driver's alertness. To engage (when the unit is not alarming) :

- Press and hold the City button for approximately 2 seconds. Release the button during or immediately after the alert is given.

Within 30-60 seconds, two beeps are sounded; to show alertness, the driver must press either the City, Menu, or Quiet buttons within 3-5 seconds. If a button is pressed within 3-5 seconds, the cycle is repeated.

If a button is not pressed within 3-5 seconds, an alarm sounds.

- Press the DIM button to exit the Stay Alert feature.

WARNING!!! Stay Alert is NOT intended as a substitute for adequate rest. You should NOT operate a vehicle if you are drowsy. During extended periods of vehicle operation, you should take frequent breaks. Improper reliance on the Stay Alert feature may result in vehicle damage, personal injury or death.

VG-2 Detection Mode

See Option Select Mode to turn this feature on/off. When a VG-2 signal is detected, the VG-2 alert is sounded and the display flashes "VG-2". After 3 seconds the audio is canceled and the display no longer flashes. This cycle is repeated if the VG-2 signal is detected again.

During the period a VG-2 signal is detected, a radar signal cannot be detected.

However, because the VG-2 alert has confirmed that a patrol car is nearby, you are already aware of the potential for speed monitoring and can adjust your speed accordingly. Laser detection is not affected while a VG-2 signal is detected.

Teach/Tutorial Mode

Provides simulated alerts for each type of signal.

- Press City and Quiet buttons simultaneously
- Press DIM button to exit.

OPERATION

Alert Priority

When two or more signals are received at the same time, the alert priority is:

1. Laser **2.** Speed Radar **3.** Safety Warning System™

EXAMPLE: If X band is alerting, then suddenly a laser signal is detected, the laser warning will override the X band alert.

Safety Warning System™

In communities where transmitters are located, the Safety Warning System™ provides over 60 text messages. When SWS™ is detected the audio alert is geiger counter-like.

Safety Warning System Text Message

Example: Poor - Road - Surface.

NOTE: Not all areas have Safety Warning System™ transmitters.

FUNCTION Button

With a quick press of the FUNCTION button (F1) or a long press (F2) you can quickly toggle between two of the following programmable detector features (TFSR, FDSR, TONE, FILTER or Waypoint) See Option Select mode for choosing the functions to work with this button. The function button is also used to select individual band ID colors during band selection in the option select mode.

Reset Features

All user features can be reset to factory settings.

- Unplug the Power Cord from the unit.
- Press and hold the QUIET/VOL button.
- Plug the Power Cord into the unit.
- Wait for 2 beeps.
- Release the Power and QUIET/VOL button.

Unit is now reset to the following features and settings.

OPERATION

Default factory settings are:

1. F1: WAYPT
2. F2: FDSR
3. HIGHWAY Mode
4. Dim/Dark Mode to full illumination of display.
5. Auto Quiet Mode OFF
6. SWS™ OFF
7. Vehicle Battery Saver OFF
8. Full Power Up sequence
9. Default TONE 3
10. All Bands ON
11. LASER LSID
12. All Laser Windows ON
13. POP™ OFF
14. VG2 OFF
15. Voice® EN
16. Filter
17. TFSR ON
18. FDSR OFF
19. GPS ON

-GPS Related Features-

20. GMT -5
21. DST OFF
22. Clock ON
23. Compass ON
24. Unit of Measure MPH
25. Over Speed CLEARED
26. Auto Quiet Speed 0
27. Auto Filter Speed 0
28. Alarm Radius: 400
29. Delete Radius: 400

OPERATION

LSID (Laser Signal Identifier)

Identify the Laser gun's pulse rate or PPS (Pulses Per Second) that is transmitted by the speed laser gun. LSID may also be used to identify other forms of laser sources such as LACC (Laser Assisted Cruise Control) systems found in some high end vehicles. If the Laser PPS information displayed is due to another source such as local airports or LACC, LSID allows you to Lock Out this rate from giving you the continuous audio alert during this and any new encounter of the same rate. To Lock Out a PPS, press the Quiet button during the Laser alert. This will place an * on the screen beside the PPS rate and Lock Out this signature ID. Any new encounter with the same Laser Signature ID will provide the display information and two quick beeps.

Caution: Do not lock out a PPS rate if it is close to known speed laser guns.

Segmented Selectable Laser Receiver

If these alerts are bothersome, you may wish to make note of the PPS rate for these occurrences. The laser validation windows are separated into segments allowing for customization.

Segment Pulse Rate

Laser Area 1: 20Hz to 950Hz

Laser Area 2: 2600Hz to 3200Hz

Laser Area 3: 3800Hz to 4200Hz

Laser Area 1 covers the traditional laser guns used in North America. Laser Area 2 and 3 cover laser guns recently approved for use in North America. You can change the selection from yes to no individually in option mode.

POP™ MODE ALERTS

POP™ Mode Alerts

POP™ Mode is a feature on some radar guns operating on K and Ka bands. When the gun is in POP™ Mode and activated, a brief burst of energy, less than 1/15 of a second, is transmitted and the vehicle's speed is quickly acquired. A detector without POP™ Mode detection capability cannot respond to this brief transmission. Because POP™ Mode radar utilizes the same K or Ka band frequencies, POP™ Mode Alerts will be displayed as regular radar alerts.

UPDATING THE DATABASE

Follow the steps below to update the Laser-Radar Detector.

Step 1: Remove the Laser-Radar Detector from the vehicle and bring it to your PC. **NOTE:** You do not need to power the Laser-Radar Detector to update it.

Step 2: Download the update program and install it on your PC. **NOTE:** Program is not MAC compatible

Step 3: Download and save the .cdb file downloaded to your PC. Create a folder for the unit so you can store future updates and save this file into the newly created folder.

DO NOT RENAME THE .cdb FILE OR TRY TO OPEN IT!

Step 4: Open the update program and plug the USB cable into the Laser-Radar Detector.

Step 5: Click the "Open File" button on the update program and locate the saved file from Step 3. Click the "DB Update" button to install the file.

Step 6: When update is complete, close the update program, unplug the USB cable and the Laser-Radar Detector is ready with the new updates.

LASER/RADAR ALERTS

Speed Radar Audio/Visual Alerts

When X, K or Ka is detected, the band ID and signal strength are displayed. The audio alert is continuous and has a geiger counter-like pattern. The faster the beep, the closer or stronger the radar source.

Laser Audio/Visual Alerts

When a laser signal is detected the audio alert is continuous for a minimum of 3 seconds.

Pulse Protection®

Pulse (or instant-on) radar is more difficult to detect than conventional radar because it remains 'off' until activated to measure the speed of a targeted vehicle. When a pulse type transmission is detected, your Whistler detector sounds an urgent 3-second audio warning.

After the 3-second pulse alert, the standard alert pattern continues for as long as the signal is present. It is important to respond promptly to a pulse alert, since warning time may be minimal.

TROUBLESHOOTING

Your Whistler detector is expertly engineered and designed to exacting quality standards to provide you with reliable, trouble-free operation. If your unit has been correctly installed following the guidelines in this manual, but is not operating optimally, please refer to the troubleshooting guide below.

PROBLEM: Unit does not turn on.

- Check fuse in plug; replace if necessary with a 3 amp, 3AG type.
- Check fuse for lighter socket; replace if necessary.
- Make sure lighter socket is clean.

TROUBLESHOOTING

PROBLEM: Unit alarms when vehicle hits bumps.

- Check for loose lighter socket; tighten and clean
- Check connections at both ends of the power cord
- Substitute another cord to determine if the cord is defective. Return defective cord to the factory.

PROBLEM: Low or no audio.

- Cancel Auto Quiet Mode or City Mode.
- Check audio level setting.
- Check Speed Selectable Auto Quiet setting in option mode.

PROBLEM: Unit falses too much.

- If alarms are POP Ka, switch POP Mode to off.
- If the above option doesn't help, use a higher Filter setting.
- If alarms are X or K band and due to radar based traffic flow sensors or radar based vehicle blind spot detectors, turn TFSR on.

CARE & MAINTENANCE

During the summer months, avoid prolonged exposure to direct sunlight by removing your unit from the dash when your vehicle is parked for an extended period of time. Do not spray water, cleaners, or polishes directly onto the unit. The spray may penetrate through the openings and damage the unit. Also, do not use any abrasive cleaners on the unit's exterior.

FCC INFORMATION

FCC ID: HSXWH22

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference,
- (2) this device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT: FCC requirements state that changes or modifications not expressly approved by Whistler could void the user's authority to operate the equipment.

SPEED MONITORING

Laser Facts

It's well documented that many radar guns cannot reliably provide the speed of a targeted vehicle that is traveling in a group of vehicles. In contrast, a laser gun can target a specific vehicle out of a line of traffic and determine its speed. The advantage of laser over radar in terms of target identification is the result of the laser gun's narrow beam. A radar gun's transmission can cover more than a four-lane highway at a distance of 1,000 feet, compared with a laser gun's transmission which covers about 3 feet at the same distance. For best protection, keep these points in mind:

- Because the vehicle's license plate or headlights are the laser gun's primary targets, mounting the Whistler detector on the dashboard can improve laser detection at short range.
- Do not follow closely behind any vehicle you cannot see through. If you can't see past a vehicle ahead of you, chances are your detector can't either.
- The receiving range of your laser detector will not be the same as a radar detector.
- Laser guns are most often used at short range.

SPEED MONITORING

Whistler Laser-Radar detectors receive all current laser guns which operate at a laser wavelength of 905 +/- 50nm including but not limited to the following:

- Ultra Lyte
- LTI 20-20
- LTI TruSpeed® S
- Laser Ally
- Pro Laser™ I II III
- Laser Atlanta® Stealth Mode

Laser Tips

If you are the targeted vehicle, a laser gun can often determine your speed within a few seconds after you receive an alert. In this situation, there is generally no time to safely adjust your speed. However, if you are traveling near or behind the targeted vehicle and receive an alert, response time should be sufficient. Any laser alert, regardless of duration, requires immediate action.

Radar Facts

A radar gun operates by transmitting radio waves at certain frequencies which reflect off objects and are picked up by the radar gun's receiving section. When a radar beam reflects off a moving target, a measurable frequency shift occurs. The radar unit converts this shift into miles per hour to determine your vehicle's speed. Currently, the FCC (Federal Communications Commission) permits operation of traffic radar guns at X Band (10.500 - 10.550 GHz), K Band (24.050 - 24.250 GHz), and Ka Band (33.400 - 36.000 GHz).

NOTE: A radar detector will only alarm if an officer is transmitting on any one of the above radar bands.

Radar Detector Detectors: VG-2, Spectre

The Interceptor VG-2 or simply VG-2, is one type of microwave receiver used by Police to detect signals radiated by the local oscillator of a radar detector. Because its purpose is to identify persons driving with radar detectors, these devices are known as a "radar detector detector" (RDD).

An RDD is the primary tool used by the police to identify radar detector equipped vehicles. If caught in a state or country where