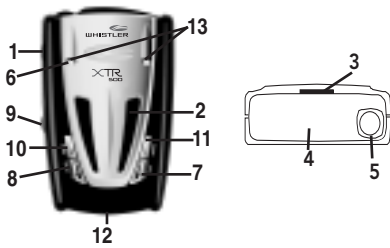OWNER'S MANUAL

# XTR-475/500/550/ 555/575/580/590

**Total Band Protection**™
LASER-RADAR
**DETECTOR**
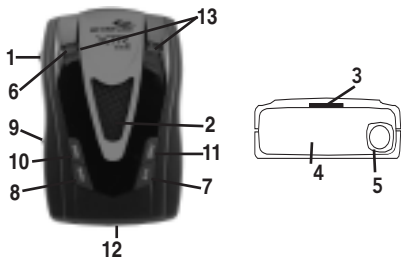
WHISTLER®

## WHISTLER FEATURES

**Feature Listings of XTR-475/500/550/575/580/590**



**Feature Listings of XTR-555**



**Note:** XTR-475/575/580/590 are Intellicord® Ready. (see pg.12)
**Note:** On models XTR-475/575/580/590 the compass must be calibrated before use (see pg.10)

## FEATURE DESCRIPTIONS

Whistler's ergonomic and user-friendly design provides a new level of operating convenience. Special features include:

1. **Bracket Release Button –** provides quick and easy release of the mounting bracket.
2. **Speaker –** provides distinct audio warnings for X, K, Ka band radar, safety radar, laser and VG-2.
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 Button -** pressing QUIET before a signal is detected engages Auto Quiet Mode which automatically reduces the audio level after the initial warning to a low audio level setting. Pressing QUIET during a radar/laser encounter silences audio alerts, while allowing visual alerts to keep you informed.
9. **Power / Volume Control –** turns unit on/off and adjusts audio level.
10. **Dim / Dark** - engages Dim/Dark modes
11. **Menu Button** - enters Option Select Mode.
12. **Icon Display - 475**
    **Text Display - 500/550/555/575/580/590** provides distinct visual confirmation of signals detected, signal strength, and indicates engaged modes of operation.
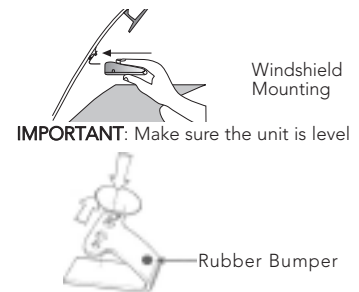
## FEATURE DESCRIPTIONS

13. **Alert Periscopes -** provide added visual alerts of threats ahead.

## 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



Rubber Bumper

# INSTALLATION

## 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.

**Important:** *S*ome 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 vehicl'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.*

## Fuse Replacement
The lighter socket plug is equipped with a replaceable 2 amp, 3AG fuse located behind the silver tip. To replace the fuse, carefully unscrew the tip of the plug.

**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, screw cap on plug may loosen. Retighten occasionally.

# OPERATION

## Power On Self Test
Each time your Whistler detector is turned on, an automatic self-test sequence confirms that the speaker and visual displays are functional.
- Text Display shows in order: (N/A on XTR-475)
**1.** WHISTLER **2.** X-band **3**. K-band **4.** Ka-band **5.** LASER **6.** SR OFF **7**. VG2 OFF **8.** POP ON **9.** B SVR ON **10.** FILTER (XTR-575/580/590) **11.** HIGHWAY **11a.** COMBO (XTR-575/580/590)

## Dim/Dark Mode
Dim/Dark Mode reduces the illumination of the display.
- Press the Dark button to reduce illumination to a Dim setting.
- Press the Dark button a second time to engage 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 Dark button a third time to restore full illumination to the display.

## Setting Saver
Setting Saver saves 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".

# OPERATION

## Integrated Real Voice® (N/A on XTR-575)
When selected, Real Voice® will be used to articulate the following:

1. Band Identification
2. Safety Warning System messages
3. Feature Selection

**Note:** In certain cases, the voice message does not replicate the text message.

## Quiet Mode
Quiet mode cancels audio during an alert and any new alert within 20 seconds. After 20 seconds, approximately 2 beeps are provided on any new alert and unit then remains quiet.
- Press Quiet to cancel the audio.
- Press Quiet a second time during an alert to restore the standard audio alert pattern; or turn the unit off, then on.

## Auto Quiet Mode
Auto Quiet mode reduces the selected audio level to level (1) approximately 5 seconds after a radar or safety radar signal is detected. The alert for any new signal within 20 seconds will resume at level (1). Auto Quiet mode does not affect laser alerts.
- Press Quiet (before a signal is detected) to engage Auto Quiet mode.
- Press Quiet (when the unit is not alarming) to cancel Auto Quiet mode.

## Audio Level Adjustment
To Change the audio level:
- Move Power/Volume button back to increase audio level.
- Move Power/Volume button forward to decrease audio level. As audio level is adjusted, beeps are provided and the display indicates volume level.

## Self-test Mute (XTR-475 only)
Simply press the Quiet button during the self-test sequence to cancel the self-test audio. This will not effect radar/laser alerts. To restore the self-test audio, simply press the Quiet button during the next self-test.

# OPERATION

## 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 radar signals give an initial alarm of two beeps, and then remains quiet until 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 is reported at high levels. In City 2 Mode, X-band is not detected.
**Caution:** Some towns/small cities may still be using X band radar. City Modes do not change the audio alert for laser or VG-2.
**Note:** XTR-475 shows the compass heading only while in highway mode.

## Highway Mode

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

## Teach/Tutorial Mode

Provides simulated alerts for each type of signal.
- Press City and Quiet buttons simultaneously
- Display Shows: (TEACH) (All but XTR-475)
- Press Dark button to exit.

# OPERATION

## Compass Calibration (N/A on XTR-500/550/555)

The unit will need to be calibrated in order for the compass to provide accurate headings. To calibrate the unit, perform the following procedure:

**1.** Mount the unit level in the center of the vehicle's windshield. Make sure there are no magnetic sources near the detector *(i.e., speaker)*.
**2.** Select a large, clear area *(parking lot or field)* without any power lines.

### XTR-475

**3.** Press the Menu button to enter **Calibration Mode.**. While parked, press both Dark and Quiet buttons simultaneously and release. All four points of the compass will light.

**4.** Drive vehicle slowly in two complete circles, in either direction. If calibration does not automatically finish press Dark and Quiet buttons again to complete calibration. The unit will beep twice and show current compass heading.

### XTR-575/580/590

**3.** Press the Menu button until display shows **CAL MODE**. Then press the Dark and Quiet buttons simultaneously and release. The display shows (scrolling):

(Drive in two complete circles)

**4.** If calibration does not automatically finish press the Dark and Quiet buttons simultaneously and release to complete calibration. The unit will beep twice and display:

(CAL DONE)→(NE 45 H)

**Note:** In Combo Mode, an "**H**" or "**C**" will be shown to indicate mode of operation.

**Important:** If the unit mounting is relocated in the vehicle, (i.e., visor to windshield mounting or dash mounting), or if the unit is moved to another vehicle, you must recalibrate the compass.

# OPERATION

## Alert Periscopes

Whistler's new Alert Periscopes provide an added attention getting visual alert. The two extra LEDs flash on and off when the unit alarms to provide a unique visual alert. This alert can be programmed, through the Option Select Mode to: 1. flash for all alarms, 2. remain on, or 3. turn LEDs off completely.

## VG-2 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. (See page 17 for more information)

## Vehicle Battery Saver Mode

The Vehicle Battery Saver Mode automatically shuts off the detector after 3 hrs (6 hrs. for XTR-475). 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 any button to turn the unit back on.

Refer to "Option Select Mode" for instructions for deactivating battery saver mode feature.

# OPERATION

## Filter Mode (N/A on XTR-500/550/555)

There are times when a radar detector in another vehicle, can unintentionally emit a frequency which can cause your detector to falsely alarm. The Whistler Filter Mode options provide additional signal processing to minimize the occurrences of these false alarms. Filter mode provides normal processing. Filter 1 mode provides additional signal analysis before alarming.

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, try Filter 1 mode. Filter Mode analysis occurs in Highway Mode and all City Modes. See Option Selection Mode to change the filter settings.

## Intellicord® Ready (N/A on XTR-500/550/555)

Using Whistler's optional Intellicord® Power Cable allows some models to control the detector's features such as Power On/Off, City Modes, Dim/Dark, and Quiet/Auto Quiet with a simple press of the button on the Power Cable. Two features can be controlled: one by a short press of the button, and the second by a long press of the button. Option Mode allows the user to program the feature assignments.

## Option Select Mode

Entering Option Select Mode allows you to customize options such as Tone Select, Abbreviated Power Up Sequence, and VG-2 Mode. Press the Menu button to enter Option Select Mode. When selecting options, the Dark or Quiet buttons must be pressed within 20 seconds or Option Select Mode will automatically be exited.

# OPERATION

## Option Select Mode (Continued)
To enter:

### Option Select for Model XTR-475

| Press Menu: | Feature: | To Change: D=Dark / Q=Quiet | Option: |
|---|---|---|---|
| 1st Time | CAL MODE | Press Both D & Q | Starts Compass Calibration |
| 2nd Time | VG2 OFF | D = ON Q = OFF | Turns VG-2 On Turns VG-2 Off |
| 3rd Time | LED BLINK | D or Q | Dual LED Alert Periscope On (ON, OFF, or Blinking) |
| 4th Time | X-ON | D = ON Q = OFF | X Band On X Band Off |
| 5th Time | K-ON | D = ON Q = OFF | K Band On K Band Off |
| 6th Time | Ka-ON | D = ON Q = OFF | Ka Band On Ka Band Off |
| 7th Time | FILTER ON | D or Q | Filter On (X-K-Ka-"I") Filter Off (X-K-Ka-No Bars) |

**Note**: Option Select Mode band and filter on/off on the XTR-475 is shown with the first bar "I" on the alert display. Press and hold Power button to exit Option Select Mode.

### Option Select for Model XTR-500/550/555

| Press Menu: | Display Shows: | To Change: D=Dark / Q=Quiet | Option: |
|---|---|---|---|
| 1st Time | TONE 3 | D or Q | Tone 1, 2, 3 (Three Different Tone Patterns) |
| 2nd Time | TEST YES | D = YES Q = OFF | X, K, Ka Audio Tones One Beep During Power Up |
| 3rd Time | VG2 OFF | D = ON Q = OFF | Turns VG-2 On Turns VG-2 Off |
| 4th Time | SR OFF | D = ON Q = OFF | Turns Safety Radar On Turns Safety Radar Off SWS™ |
| 5th Time | POP ON | D = ON Q = OFF | POP On POP Off |
| 6th Time | LED BLINK | D or Q | Dual LED Alert Periscope On (ON, OFF, or Blinking) |
| 7th Time | VOICE ON | D = ON Q = OFF | Real Voice Engaged Real Voice Disengaged |
| 8th Time | B SVR ON | D = ON Q = OFF | Battery Saver On Battery Saver Off |

Press and hold Menu button to exit Option Select Mode.

# OPERATION

## Option Select for Model XTR-575/580/590

| Press Menu | Display Shows: | To Change: D=Dark / Q=Quiet | Option: |
|---|---|---|---|
| 1st Time | CAL MODE | Press Both D & Q | Starts Compass Calibration |
| 2nd Time | COMBO | D or Q | COMBO = Radar & Compass RADAR = Radar Only / COMPASS = Compass Only |
| 3rd Time | S1: POWER | D or Q | Remote Control of Dim, City, Quiet Power Functions |
| 4th Time | S2: QUIET | D or Q | Remote Control of Dim, City, Quiet Power Functions |
| 5th Time | TONE 3 | D or Q | Tone 1, 2, 3 (Three Different Tone Patterns) |
| 6th Time | TEST YES | D = YES Q = OFF | X, K, Ka Audio Tones One Beep During Power Up |
| 7th Time | X-ON | D = ON Q = OFF | X Band On X Band Off |
| 8th Time | K-ON | D = ON Q = OFF | K Band On K Band Off |
| 9th Time | Ka-ON | D = ON Q = OFF | Ka Band On Ka Band Off |
| 10th Time | LASER ON | D = ON Q = OFF | Laser Band On Laser Band Off |
| 11th Time | VG2 OFF | D = ON Q = OFF | Turns VG-2 On Turns VG-2 Off |
| 12th Time | SR OFF | D = ON Q = OFF | Turns Safety Radar On Turns Safety Radar Off SWS™ |
| 13th Time XTR-580/590 only | VOICE ON | D = ON Q = OFF | Real Voice Engaged Real Voice Disengaged |
| 14th Time | POP ON | D = ON Q = OFF | POP On POP Off |
| 15th Time | B SVR ON | D = ON Q = OFF | Battery Saver On Battery Saver Off |
| 16th Time | LED BLINK | D or Q | Twin Alert Periscope On (ON, OFF, or Blinking) |
| 17th Time | FILTER | D or Q | Filter Mode Filter 1 Mode |
| 18th Time XTR-590 only | B/L/C: 3 (BackLit Color) | D or Q | Color Rotation of Blue, Red, Green |

Press and hold Power button to exit Option Select Mode.

## Vehicle Battery Monitor (XTR-590 only)

The vehicle's battery voltage can be displayed by pressing and holding the Dark and Quiet buttons simultaneously.

# OPERATION

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

### XTR-475
• Press and hold the City button for less then 2 seconds. A compass heading icon will flash indicating Stay Alert is activated.

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

If a button is not pressed within 3-5 seconds, alarm sounds and the display will flash all LEDs.

• Press Power to cancel Stay Alert.

### XTR-500/550/555/575/580/590
• Press and hold the City button for approximately 2 seconds. Release the button during or immediately after the alert is given. Display shows: (RU ALERT)

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 and the display shows: (GET REST)

• Press the Dark 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. **NEVER OPERATE A VEHICLE IF YOU ARE DROWSY**.

## SWS™

### Safety Warning System™
In communities where transmitters are located, the Safety Warning System™ displays over 60 text messages. When Safety Radar is detected, the audio alert sounds like a geiger counter.

**Safety Warning System Text** Example: Poor - Road - Surface.
**Note:** Not all areas have Safety Warning System™ transmitters.

# POP™ MODE ALERTS

## POP™ Mode Alerts
Because POP™ Mode radar utilizes the same K or Ka band frequencies, POP™ Mode Alerts will be displayed as regular radar alerts.

# LASER/RADAR ALERTS

## Speed Radar Audio/Visual Alerts
When X, K, or Ka is detected, the band ID and signal strength is displayed. The audio alert is continuous and has a pattern like a geiger counter. 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.

• The Display Shows: (LASER ▮▮▮)
• The XTR-475 Shows: V/L Ⅰ Ⅱ Ⅲ

## 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 and the display shows:

$$'PULSE'$$

The XTR-475 shows:

*(Flashing)*

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.

# VG-2 ALERTS

## VG-2 Audio/Visual Alerts
*Note: You must turn this feature on before it will detect VG-2.*

When a VG-2 signal is detected, the detector "hides" its own radiated signal and becomes undetectable by the VG-2. Every 30 seconds, the detector checks for a VG-2 signal. If a VG-2 signal is still present, the unit continues to hide and repeats the VG-2 alert. If no signal is detected, two beeps are provided, indicating an "all clear" condition. During a VG-2 Alert X, K, and Ka band signals cannot be received (see pg. 22).

## Alert Priority
When two or more signals are received at the same time, the alert priority is:
**1**. Laser **2.** VG-2 **3.** Speed Radar **4**. Safety Radar
**Example:** If X band is alerting, then suddenly a VG-2 signal is detected, the VG-2 warning will override the X band alert.

# RESET FEATURES

All user features can be reset to factory settings.
• Unplug the Power Cord from the unit.
• (XTR-500/550/555) Press and hold the Quiet button.
• (XTR-475/575/580/590) Press and hold the Power & Quiet buttons.
• Plug the Power Cord into the unit.
• Wait for 2 beeps.
• Release the Quiet button.

**Unit is now reset to the following features and settings.**

**Default factory settings are:**
1. (XTR-500/550/555) HIGHWAY Mode
2. (N/A on XTR-500/550/555) COMBO Mode
3. Dim/Dark Mode to full illumination of display
4. Auto Quiet Mode OFF
5. VG-2 Detection Mode OFF
6. Safety Radar OFF
7. Vehicle Battery Saver ON
8. Full Power Up sequence
9. Default TONE 3
10. POP ON
11. (N/A on XTR-575) Voice ON
12. LED Periscope to BLINK
13. (XTR-475/575/580/590) Default Filter

# 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: No display or audio.**
- Check the fuse in the plug; replace if necessary with a 2 amp, 3AG type.
- Check the fuse for lighter socket; replace if necessary.
- Make sure the lighter socket is clean.

**PROBLEM: Unit alarms when vehicle hits bumps.**
- Check for a loose lighter socket; tighten and clean.
- Check the connections at both ends of the power cord. Substitute another cord to determine if the cord is defective. Return the defective cord to the factory.

# CARE AND MAINTENANCE

## Care And 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.

# ARE DETECTORS LEGAL?

## In Most States YES!

Laser-Radar detectors are legal in every state (except Virginia and Washington, D.C., which have local regulations restricting the use of radar receivers in any vehicle) when used in automobiles or light trucks (under 10,000 lbs.).

The Federal Highway Administration (FHWA) issued a regulation, effective January, 1994 which prohibits radar and laser detector use in vehicles over 10,000 lbs. Prior to the FHWA regulation, laws existed in New York restricting the use of radar detectors in trucks over 18,000 lbs. and in Illinois in trucks over 26,000 lbs.

# FCC INFORMATION

**FCC ID : HSXWH10**
**FCC ID : HSXWH13**
**FCC ID : HSXWH21**

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, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

**Important:** *FCC* (Federal Communications Commission) *requirements state that changes or modifications not expressly approved by Whistler could void the user's authority to operate the equipment.*

# SPEED MONITORING

## 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 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.

# SPEED MONITORING

## POP™ Mode

POP™ Mode is a feature on some newer radar guns operating on K and Ka bands. When the gun is in POP™ Mode and activated, a brief burst of energy, less that 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.

## 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. If you can't see past a vehicle ahead of you, chances are your detector won'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.

Whistler Laser-Radar detectors receive all current laser guns which operate at a laser wavelength of 905 +/- 10nm.

# SPEED MONITORING

## 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!

## Other Speed Detection Systems

Several techniques other than radar or laser are used to measure vehicle speeds. When these methods are being used, no detector can provide a warning. These techniques include:

- **Pacing** - A patrol car drives behind you and matches your driving speed.
- **Vascar/Aircraft** - The police measure the time it takes your vehicle to travel a known distance.

## 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 detectors are illegal (see page 19), drivers risk losing their radar detector and receiving a fine. In addition, instant-on radar is almost always used in combination with an RDD, leaving unsuspecting motorists vulnerable to receive two tickets - one potential for speeding, and the other for possession of a detector.

# SPEED MONITORING

**Note:** Having a radar detector capable of detecting the VG-2 may alert you to the presence of a speed trap. The newest tool Police have to detect radar detectors is called Spectre. Spectre can detect the majority of undetectable (VG-2) laser/radar detectors on the market.

It is the responsibility of the individual radar detector owner to know and understand the laws in your area regarding the legality of the use of radar detectors.

# WARRANTY INFORMATION

## Consumer Warranty

This Whistler Laser-Radar detector is warranted to the original purchaser for a period of one year from the date of original purchase against all defects in materials and workmanship. This limited warranty is void if the unit is abused, modified, installed improperly, or if the housing and/or serial numbers have been removed. There are no express warranties covering this product other than those set forth in this warranty. All express or implied warranties for this product are limited to the above time. Whistler is not liable for damages arising from the use, misuse, or operation of this product.