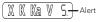
#### LASER/RADAR ALERTS

#### Safety Warning System/Audio/Visual Alerts

When your Whistler detector detects a safety warning system, it provides a distinctive audio tone and the Numeric Icon display shows an "S." and a decimal point when a Safety warning system is detected.



Note: You will not be able to receive SWS alerts if transmitters are not located in your area.

# VG-2 ALERTS

#### VG-2 Detection Mode

The VG-2, also known as a "radar detector detector," is a special receiver used by police to detect signals radiated by a radar detector. See page 21 for more information on VG-2.

When a VG-2 signal is detected, the VG-2 alert is sounded. After 3 seconds, the audio is cancelled and the VG-2 indicator flashes at a slower rate. Every 30 seconds, the detector checks for a VG-2 signal. This cycle is repeated if the VG-2 signal is detected again. If no signal is detected, two beeps are provided indicating an "all clear" condition.

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

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#### **SPEED MONITORING**

Radar Detector Detectors (VG-2) Spectre The Interceptor VG-2, or simply VG-2, is a microwave receiver used by police to detect signals radiated by the local oscillator of a radar detector. Bécause its purpose is to identify persons driving with radar detectors, the VG-2 is known as a "radar detector detector". The VG-2 is a tool used by the police to identify radar detector equipped vehicles. If caught, in a state where detectors are illegal, (see page 18), drivers risk losing their radar detector and receiving a fine. In addition, instant-on radar is almost always used in combination with a VG-2, leaving unsuspecting motorists vulnerable to receiving two tickets-one potentially for speeding, the other for possession of a detector. Having a radar detector capable of detecting the VG-2 may alert you to the presence of a speed trap.

For more information on speed monitoring technologies, please visit our F.A.Q. page on our website: www.whistlergroup.com

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

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.

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#### **POP™ MODE ALERTS**

#### POP<sup>™</sup> Mode Alerts

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

#### **OPTION SELECT MODE** 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 Dark (D) button and the Quiet (Q) button turns the feature ON/OFF or Blinking. The decimal point illumination indicates whether a feature is on or off, i.e. Decimal Point ON = Feature ON. A button must be pressed within 20 seconds or Option Select Mode will automatically be exited.

FEATURE:	OPTION:
VG-2 (default = OFF) ₩	D for ON, Q for OFF
Alert Periscopes (default = Blinking with alert)	D or Q for ON, OFF, BLINKING
POP <sup>™</sup> Mode (default = OFF)	D for ON, Q for OFF
SWS (default = OFF)	D for ON, Q for OFF
TFSR (default = OFF)	D for ON, Q for OFF

Note: To exit Option Select Mode press and hold the menu button

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WARRANTY INFORMATION

Consumer Warranty This Whistler Laser/

Radar detector is warranted to the original

date of original purchase against all defects

in materials and workmanship. This limited

warranty is void if the unit is abused, modified,

installed improperly, if the housing has been

removed, or if the serial number is missing.

this product other than those set forth in this

this product are limited to one year. Whistler is not liable for damages arising from the use,

warranty period, defective units will be repaired without charge when returned with

a dated store receipt to the address below.

**Out Of Warranty.**" Due to the specialized

receiver, there are no authorized service

Whistler.

these instructions:

return receipt requested to:

equipment necessary for testing a laser/radar

stations for Whistler brand detectors other than

When returning a unit for service, please follow

1. Ship the unit in the original carton or in a

suitable sturdy equivalent, fully insured, with

Whistler Repair Dept. 551 N. 13th St.

Rogers, AR. 72756

Please allow 3 weeks turn around time.

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Units returned without dated store receipt will

be handled as described in section **"Service** 

misuse, or operation of this product.

Service Under Warranty During the

warranty. All express or implied warranties for

There are no express warranties covering

purchaser for a period of one year from the

# **OPTION SELECT MODE**

# Reset Features

All user features can be reset to factory settings. Factory Reset

- . Unplug Power Cord from unit.
- 2. Press and hold Quiet. 3. Plug the Power Cord into the unit.
- (Power switch turned on)
- 4. Wait for 2 beeps.
- 5. Release the Quiet button.

Unit is now reset.

#### Factory Settings are:

- Highway Mode Dim/Dark Mode to full illumination of display.
- Auto Quiet Mode OFF. VG-2 Detection Mode OFF.
- Self Test Mute OFF
- Alert Periscope to Flash
- POP™ Mode OFF
- SWS OFF
  TFSR OFF

# **TROUBLESHOOTING GUIDE**

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 quide below.

#### PROBLEM: No display or audio.

Check fuse in plug; replace if necessary with a 2 amp, 3AG type. Check fuse for lighter socket; replace if necessary. Make sure the lighter socket is clean.

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#### WARRANTY INFORMATION

**IMPORTANT:** Whistler will not assume responsibility for loss or damage incurred in shipping. Therefore, please ship your unit insured with return receipt requested. **COD's will not be** accepted!

2. Include with your unit the following information, clearly printed:

- Your name and street address (for shipping via UPS), a daytime telephone number and an e-mail address, if applicable.
- A detailed description of the problem (e.g., "Unit performs self-test but does not respond to radar").
- A copy of your dated store receipt or bill of sale.

3. Be certain your unit is returned with its serial number. For reference, please write your unit's serial number in the space provided on page 26 of this manual

#### Units without serial numbers are not covered under warranty.

**IMPORTANT:** To validate that your unit is within the warranty period, make sure you keep a copy of your dated store receipt. You may register your product online at www. whistlergroup.com, however, for warranty verification purposes, a copy of your dated store receipt must accompany any unit sent in for warranty work.

#### Service Out of Warranty

Units will be repaired at "out of warranty" service rates when: The units original warranty has expired.

- A dated store receipt is not supplied.
- The unit has been returned without its serial number.
- The unit has been abused, modified, installed
  - improperly, or had its housing removed. 23

### **TROUBLESHOOTING GUIDE**

PROBLEM: Audio alerts are not loud enough. Cancel Auto Quiet Mode or City Mode. Check audio level setting (see pg.8).

#### **PROBLEM:** Unit alarms when vehicle

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

If difficulties occur which cannot be solved by information in this Troubleshooting Guide, please call Whistler Customer Service at 1-800-531-0004 or visit our FAQ page at www.whistlergroup.com before returning your unit for service.

#### 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.

#### WARRANTY INFORMATION

#### Service Out of Warranty (Continued)

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The minimum out of warranty service fee for your Whistler detector is \$35.00 (U.S.). If you require out of warranty service, please return your unit as outlined in the section "Service Under Warranty" along with a certified check or money order for \$35.00. Payment may also be made by MasterCard, VISA or American Express; personal checks are not accepted.

In the event repairs cannot be covered by the minimum \$35.00 service fee, you will be contacted by a Whistler technical service specialist who will outline options available to you. If you elect not to have your unit repaired, it will be returned to you along with your certified check or money order.

**IMPORTANT:** When returning your unit for service, be certain to include a daytime telephone number and an email address f abplicable).

#### Customer Service

If you have guestions concerning the operation of your Whistler detector. or require service during or after the warranty period, please call Customer Service at:

#### 1-800-531-0004

Representatives are available to answer your questions Monday - Friday from 8:00 a.m. to 5:00 p.m. (CT).

www.whistlergroup.com

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# Operational 12 to 15 volts DC, 250mA nominal

**Power Requirements:** 

Laser Wavelength:

Radar Frequencies:

905 ± 50 nanometers (nm)

10.500 - 10.550 GHz (X Band)

24.050 - 24.250 GHz (K Band )

**Operating Temperature Range:** 

-10 C to +70 C (14 F to +158 F)

Vehicle Battery Saver, 30mA nominal.

One or more U.S. patents may apply: #5.666.120, #7.215.276

33.400 - 36.000 GHz (Ka Superwideband)

POP<sup>™</sup> Mode is a trademark of MPH Industries. Inc.

SWS® is a trademark of Safety Warning System L.C.



Specifications are subject to change without notice

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write serial number in the space provided

Radar Facts Laser-Radar detectors are legal in every state for automobiles and light trucks (under 10,000 lbs.) except Virginia and Washington, D.C., which have local regulations restricting the use of

The Federal Highway Administration (FHWA) passed a nationwide regulation, effective January 1994, which prohibited radar and laser detector use in vehicles over 10,000 lbs.

**ARE DETECTORS LEGAL?** 

#### FCC Information FCC ID: HSXWH10 - CR70 FCC ID: HSXWH21 - CR70

In Most States YES!

radar receivers in any vehicle.

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.

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SPECIFICATIONS

Order# 202138 202151

# 206552 206880 206666 159032

402080

\*Modular: Interconnecting pieces cord and plug. Shipping and handling (per order) \$5.00 Prices are subject to change without notice.

# SPEED MONITORING

A radar gun operates by transmitting radio waves at certain frequencies which reflect off objects and are then 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

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

#### Laser Facts

GHz).

radar bands.

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 transmission can cover more than a four-lane highway at a distance of 1,000 feet. compared with a laser transmission which covers about 3 feet at the same distance. For best protection, keep these points, listed on the following section, in mind:

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# ACCESSORIES

These and other accessories can be ordered directly from Whistler by calling 1-800-531-0004 or visiting our online store at www.whistlergroup.com.

Description	Price
Visor Bracket	\$ 6.95
Windshield Bracket Kit	\$ 9.95
Power Cord (5')	\$14.95
Hardwire Kit (10′ ) (for wiring to fuse box)	\$ 9.95
Modular* Cord Package (includes coiled and straight cords, and power adapter)	\$17.95
Package of 8 Suction Cups	\$ 2.95
Non Skid Dash Pad	\$ 6.95

# SPEED MONITORING

#### Laser Facts (Continued)

- · 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 laser signals will not be the same as radar signals. 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 ± 50 nm., including Laser Atlanta 's™ Stealth mode.

- •Pro Laser™ I II III ●LT1 20-20 •Ultra Lyte
- •LT1 Truspeed S •Laser Ally
- Laser Atlanta Stealth Mode

#### 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 time it takes a vehicle to travel a known distance is measured.

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# **OWNER'S MANUAL**





#### The Whistler Group Corporate Headquarters

3604 NW Frontage Rd. • Bentonville, AR 72712 Tel 479.273.6012 • Fax 479.273.2927

#### Whistler Customer Return Center 551 N. 13th St. • Rogers, AR 72756

Customer Service Tel 800.531.0004

#### www.whistlergroup.com

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## Dear Whistler Owner,

If you have questions concerning the operation of this Whistler product please call:

# **CUSTOMER SERVICE** 1-800-531-0004

Monday - Friday • 8:00 am - 5:00 pm CT or visit our website

#### www.whistlergroup.com

Please keep the receipt in a safe place. You may register your product online at www. whistlergroup.com. For warranty verification purposes, a copy of your dated store receipt must accompany any unit sent in for warranty work. If the unit is returned without a dated store receipt, an out of warranty service charge applies.

# **OPERATION**

#### Power On Self Test & Volume

Each time your Whistler detector is turned on, an automatic self-test sequence confirms that the speaker and visual displays are functional. To increase the volume, continue turning the volume knob.

#### Integrated Real Voice®

When selected, Real Voice® will be used to articulate the following:

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

Voice OFF/ON is selected by holding quiet button for approximately 2 seconds. Voice ON will announce "caution", Voice OFF will give a double beep.

#### Feature Engaged Confirmation

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

### Self Test Mute

Simply press the Quiet button during the selftest sequence to cancel the self-test audio. This will not affect radar/laser alerts. To restore the self-test audio, simply press the Quiet button during the next self-test.

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# INTRODUCTION

Note: Your warranty period begins at the time of purchase. The warranty is validated only by the dated store receipt!

Please record the serial number of the unit in the space provided in the warranty section of the manual.

To fully acquaint yourself with the operation of your Whistler detector and to better understand the differences between detecting radar, laser and safety radar signals, we recommend reading this entire manual or visiting our FAQ page on our website:

# www.whistlergroup.com

Enjoy your Whistler detector and pléase drive safely.

Sincerely,

The Whistler Group, Inc.

# **OPERATION**

#### 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.

### Auto Quiet Mode

Pressing QUIET before a radar signal is detected provides an alternate alert pattern, consisting of four beeps (indicating X, K, Ka or Safety Warning System) followed by clicking. The clicking will continue for as long as the detected signal is present or any new signal is detected within 20 seconds, becoming more rapid as the strength of the signal increases.

- Press Quiet (before a signal is detected) to engage Auto Quiet.
- 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

Pressing Quiet cancels the audio during an alert and any new alert within 20 seconds. After approximately 20 seconds, 2 beeps are provided on any new alert, and the 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.

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# **OPERATION**

#### City/City I/City II Mode

Whistler's Three Stage City Mode is designed to reduce the annovance 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 return 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, X band requires a stronger signal to alert. In City 2 Mode, X-band is not detected

Caution: Some towns/small cities may still be using X band radar. City do not change the audio alert for laser or VG-2.

#### 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.

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# **CR70 FEATURES**



#### Features of CR70

 Total Band Protection<sup>®</sup> Stay Alert Numeric Icon Display Setting Saver Detects POP<sup>™</sup> Mode Vehicle Battery Saver<sup>™</sup> 360° Protection Safety Warning System<sup>™</sup> Alert Priority Real Voice<sup>®</sup> Alert Periscopes VG-2 Cloaking 3 City Modes Laser Atlanta<sup>™</sup> Stealth Mode Quiet/Auto Quiet Mode Detection Dim/Dark Mode Traffic Flow Signal Rejection 3

# **OPERATION**

#### Traffic Flow Signal Rejection (TFSR)

Recently, many new products operate on X or K band causing nuisance alerts to radar detectors. Some of these are radar based Traffic Monitoring Systems mounted to poles alongside the highway and others are K Band Lane Change Assistants and Blind Spot Detectors found on some automobiles. When turned on in option mode, helps eliminate excessive alerts from erroneous X and K-band sources. Traffic flow monitoring systems are getting more common. Many of these systems generate radar signals to measure the flow of traffic across multiple lanes. Most detectors will alert you to it unnecessarily. This rejection feature examines the incoming signal and will aid in reducing the alerts to such sources.

We suggest you turn TFSR on if you are experiencing excessive X or K band false alerts every half mile or so along stretches of roadway that contain these traffic flow sensors.

#### Alert Periscopes

Whistler's Alert Periscopes provide an added attention getting visual alert. The two extra LED's 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 be: ON, OFF, or FLASHING during alerts.

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# FEATURE DESCRIPTIONS

- 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 warning
- system, laser and VG-2 Mounting Bracket Location - slot holds
- mounting bracket firmly. Radar Antenna - compact, high-efficiency
- antenna receives radar signals. Front Laser - high gain optical lens provides increased sensitivity and field of view for leading-edge laser detection.
- Rear Laser an integrated optical waveguide provides superior detection of laser signals transmitted from behind.
- City Button reduces the annoyance of false alerts typically encountered in urban driving areas.
- Quiet Button pressing QUIET before a radar signal is detected engages Auto Quiet Mode which provides "clicking" sounds after the initial warning. Pressing QUIET during a radar 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 Mode - engages Dim/Dark modes. Menu Button - enters option select mode. 11.
  - Numeric Icon Display combines icon
- 12. display with a 7 segment digital display that shows signal strength indication and band identification
- 13. Alert Periscopes provide an additional
  - attention getting visual alert. X-band Icon - indicates the unit is receiving a X-band signal.
- 15. K-band Icon indicates the unit is receiving a K-band signal.

# **OPERATION**

#### Dim/Dark Mode

Dim/Dark Mode reduces the illumination of the display.

- Press and release the Dark button to reduce illumination to a dim setting
- Press and release the Dark button a second time to engage Dark Mode. The display illumination is further reduced

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

• Press and release the Dark button a third time to restore the display to full illumination.

# **Engaging/Disengaging VG-2** See Option Select Mode to turn this feature on.

expired. The detector will alert you with an

11

#### Vehicle Battery Saver Mode The Vehicle Battery Saver Mode automatically shuts off your detector after 6 hours. The timer is reset if the detector is turned off, unplugged

or any button is pressed before the time has audible and visual warning before it shuts off. During this warning, you can momentarily reset the unit by pressing any button. This will reset the timer. If the unit has automatically turned itself off, press any button to turn the unit back on.



alarming):

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 may result in vehicle damage, personal injury or death.

# FEATURE DESCRIPTIONS

16. Ka-band Icon - indicates the unit is receiving a Ka-band signal. V - indicates that the unit is receiving a VG-2 signal. Indicates that VG-2 is engaged.

**18.** H - indicates unit is in Highway mode. C - City Icon - indicates that the unit is operating in city mode.

Signal Strength Icon - indicates the strength of the signal being detected. L - indicates that the unit is receiving a laser signal.

# INSTALLATION

#### Mounting Guidelines

17.

19.

20.

21.

• 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<sup>™</sup> or Electriclear<sup>™</sup> type coating, which affects radar signals. Consult your dealer or the owner's manual to determine if your windshield has this coating.

Avoid placing unit in direct contact with the wind

• To reduce the possibility of theft, conceal the unit when not in use.

#### 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.

# 5 **OPERATION**

#### Stay Alert Feature

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

 Press and hold the City button for less then 2 seconds. The "H" or "C" will flash indicating Stay Alert is activated. Within 30-60 seconds two beeps are sounded; to show alertness, the driver must press either the City, Menu or Quiet button within 3-5 seconds. If the button is pressed within 3-5 seconds, the cycle is repeated. If a button was not pressed within 3-5 seconds, the alarm sounds and the display flashes all the LEDs.

Press Dark to cancel Stay Alert.

# **NEVER OPERATE A VEHICLE IF YOU** ARE DROWSY!

# INSTALLATION

#### Windshield Mounting (Continued)

# IMPORTANT: Make sure the unit is level

Note: 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 owner's manual or ask your dealer. We recommend that you do not leave the suction cup bracket on the windshield in direct sunlight. If the detector is removed, this may cause blistering of the dash in some vehicles.

#### Power Connection

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

#### **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, the screw cap on the plug may loosen. Retighten it occasionally.

# LASER/RADAR ALERTS

#### Laser Audio / Visual Alerts

When a laser signal is detected, the unit indicates an "L" on the display. The audio alert is continuous for a minimum of 3 seconds.

#### 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!

#### Pulse Protection<sup>®</sup>

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 a "P" will be displayed. 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