

## 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.

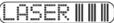
## LASER/RADAR ALERTS

### 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: 

### 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:



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.

15

## 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.

22

## 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. SWS

**Example:** If X band is alerting, then suddenly a VG-2 signal is detected, the VG-2 warning will override the X band alert.

16

## 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 product is warranted to the original purchaser for a period of one (1) year from the date of original purchase against all defects in materials and workmanship, when purchased from an authorized Whistler retailer. **This limited warranty is void if the unit is abused, misused, 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 one (1) year. *Whistler is not liable for damages arising from the use, misuse, or operation of this product including but not limited to loss of time, inconvenience, loss of use of your product or property damage caused by your product or its failure to work, or any other incidental or consequential damages including personal injury.*

**DO NOT RETURN ITEM TO STORE WHERE PURCHASED. FOR WARRANTY INFORMATION, CONTACT WHISTLER 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

23

## RESET FEATURES

All user features can be reset to factory settings.

- Unplug the Power Cord from the unit.
- Press and hold the Quiet button.
- 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. HIGHWAY Mode
2. Dim/Dark Mode to full illumination of display
3. Auto Quiet Mode OFF
4. VG-2 Detection Mode OFF
5. SWS OFF
6. Vehicle Battery Saver ON
7. Full Power Up sequence
8. Default TONE 3
9. POP OFF
10. Voice ON
11. LED Periscope to BLINK
12. Default Filter
13. TFSR OFF

17

## WARRANTY INFORMATION

### Service Under Warranty

During the warranty period, defective units will be repaired or replaced (with the same or a comparable model), at Whistler’s option, without charge to the purchaser when returned prepaid, with dated proof of purchase to the address below. Units returned without dated proof of purchase will be considered out of warranty and therefore are not covered by the described Limited Warranty. (Refer to Service Out of Warranty section.)

Due to the specialized equipment necessary for testing Whistler products, there are no authorized service centers other than Whistler. When returning a unit for service under warranty, please follow these instructions:

1. Ship the unit in the original carton or in a suitable sturdy equivalent, fully insured, with return receipt requested to:

**Whistler Repair Dept.**  
1412 South 1st St.  
Rogers, AR. 72756

Please allow 3 weeks turnaround time.

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

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

- Your name and physical street address for shipping (no PO Boxes), a daytime telephone number, and an email address (if applicable).
- A detailed description of the problem (e.g., “device will not Power ON”).
- A copy of your dated proof of purchase or bill of sale.

3. Be certain your unit is returned with its serial number. Units without serial numbers are not covered under warranty.

24

## 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.

### PROBLEM: Audio alerts are not loud enough.

- Cancel Auto Quiet Mode or City Mode.
- Check audio level setting (see pg. 9).

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](http://www.whistlergroup.com), before returning your unit for service.

## WARRANTY INFORMATION

**IMPORTANT:** To validate that your unit is within the warranty period, make sure you keep a copy of your dated proof of purchase. For warranty verification purposes, a copy of your dated store receipt must accompany any Whistler product sent in for warranty work.

### Service Out of Warranty

Units will be repaired at “out of warranty” service rates when:

- The unit’s original warranty has expired.
- A dated proof of purchase is not supplied.
- The unit has been returned without its serial number.
- The unit has been misused, abused, modified, installed improperly, or had its housing removed.

The minimum out of warranty service fee for your Whistler detector is \$55.00 (U.S.). If you require out of warranty service, please return your unit as outlined in the section “Service Under Warranty” along with a cashier’s check or money order in the amount of \$55.00. 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 service fee, you will be contacted by a Whistler technical service specialist who will outline options available to you.

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

### Customer Service

If you have questions concerning the operation of your Whistler product, 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) or visit the F.A.Q.’s at [www.whistlergroup.com](http://www.whistlergroup.com).

25

## 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.

19

## SPECIFICATIONS

### Laser Wavelength:

905 ± 50 nanometers (nm)

### Radar Frequencies:

10.500 - 10.550 GHz (X Band)  
24.050 - 24.250 GHz (K Band )  
33.400 - 36.000 GHz (Ka Superwideband)

### Operating Temperature Range:-

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

### Power Requirements:

Operational 12 to 15 volts DC, 250mA nominal  
Vehicle Battery Saver, 30mA nominal.

### These U.S. patents apply:

#5,666,120, #7,215,276

POP™ Mode is a trademark of MPH Industries, Inc.

SWST™ is a trademark of Safety Warning System L.C.

Specifications are subject to change without notice.



26

## FCC INFORMATION

### 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.

## 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](http://www.whistlergroup.com)

Order #	Description	Price
202151	Windshield Bracket Kit	\$9.95
206552	Straight Power Cord (5')	\$14.95
206880	Hardwire Kit (10' ) (for wiring to fuse box)	\$9.95
206666	Modular* Cord Package (includes coiled and straight cords, and power adapter)	\$17.95
159032	Package of 8 Suction Cups	\$2.95
402080	Non Skid Dash Pad	\$6.95

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

write serial number in the space provided

27

## 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 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.

### 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 +/- 50nm.

21

## OWNER’S MANUAL

# XTR-658

## Total Band Protection™ LASER-RADAR DETECTOR

### The Whistler Group Corporate Headquarters

1716 SW Commerce Dr. Ste. 8  
PO Box 1760 Bentonville, AR 72712  
Toll Free (800) 531-0004  
TEL (479) 273-6012 FX (479) 273-2927

### Customer Return Center

1412 South 1st St. Rogers, AR 72756  
Customer Service Tel (800) 531-0004  
Email: [info@whistlergroup.com](mailto:info@whistlergroup.com)  
[www.whistlergroup.com](http://www.whistlergroup.com)

P/N 260035 08B14 © 2014 The Whistler Group, Inc.



# WHISTLER



26

## WELCOME

Thank you for choosing a Whistler product. We are dedicated to providing products that represent both quality and value. Please read the user manual carefully before using this product. If you have additional questions, please visit the FAQ page on our website at [www.whistlergroup.com](http://www.whistlergroup.com) or call toll free 800-531-0004, 8am to 5pm CT, Monday through Friday to speak to a Customer Service Representative. 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 F.A.Q. page on our website [www.whistlergroup.com](http://www.whistlergroup.com)

Enjoy your Whistler detector and please drive safely.

Sincerely,  
The Whistler Group, Inc.

Model Features Summary.....	3 - 4
Installation .....	5 - 7
• Mounting Guidelines	5
• Windshield Mounting	5-6
• Power Connection and Fuse Replacement	7
Operation .....	8 - 14
• Power On Self Test & Volume	8
• Dim/Dark Mode	8
• Setting Saver	8
• Feature Engaged Confirmation	8
• Integrated Real Voice	8
• Quiet/Auto Quiet Mode	9
• Audio Level Adjustment	9
• Highway Mode	9
• City/City 1/ City 2 Mode	10
• Alert Periscopes	10
• VG-2 Mode	11
• Vehicle Battery Saver Mode	11
• Teach/Tutorial Mode	11
• Filter Mode	12
• Traffic Flow Signal Rejection (TFSR)	12
• Option Select Mode	13
• Stay Alert Feature	14
Safety Warning System™ .....	14
POP™ Mode Alerts .....	15
Laser/Radar Alerts .....	15
• Speed Radar Audio/Visual Alerts	15
• Laser Audio/Visual Alerts	15
• Pulse Protection®	15
VG-2 Alerts .....	16
• Alert Priority	16
Reset Features .....	17
Troubleshooting Guide.....	18
Care and Maintenance.....	19
Are Detectors Legal?.....	19
FCC Information .....	20
Speed Monitoring .....	20 - 23
• Radar Facts	20
• POP™ Mode	21
• Laser Facts	21-22
• Other Speed Detection Systems	22
• Radar Detector Detectors	22 - 23
Warranty Information .....	23 - 26
Specifications.....	26
Accessories .....	27

## OPERATION

### Power On Self Test

Each time your Whistler detector is turned on, an automatic self-test sequence confirms that the speaker and display is functional along with many of the saved settings.

### 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”.

### Integrated Real Voice®

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

- Band Identification
- Safety Warning System messages
- Feature Selection

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

## OPERATION

### 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 provides an alternate alert pattern approximately 5 seconds after a radar or Safety Warning System™ signal is detected followed by clicking. The clicking will continue for as long as the detected signal is present and for any new signal within 20 seconds. 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.

### 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.

For more information on City and Highway modes, please visit our F.A.Q. page on our website: [www.whistlergroup.com](http://www.whistlergroup.com)

## WHISTLER FEATURES

### Feature Listings of XTR-658



## FEATURE DESCRIPTIONS

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

- Bracket Release Button** – provides quick and easy release of the mounting bracket.
- 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.

## 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.

### 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:

- Flash for all alarms
- Remain ON
- Turn LED’s OFF completely

## FEATURE DESCRIPTIONS

**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. OLED Text Display** - provides better contrast, brightness and color. Shows alerts detected, engaged modes and digital signal strength in text format (i.e. HIGHWAY or Ka9).

**13. Alert Periscopes** - provide an additional attention getting visual alert.

**14. Power Jack** - provides connection for the power cord.

## OPERATION

### 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 16 for more information)

### Vehicle Battery Saver Mode

The Vehicle Battery Saver Mode automatically shuts off the detector after 3 hrs. 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.

### Teach/Tutorial Mode

Provides simulated alerts for each type of signal.

- Press City and Quiet buttons simultaneously.
- Display Shows: **TEACH**
- Press Dark button to exit.

## 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.

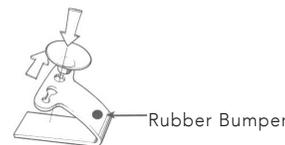
- Avoid placing the unit in direct contact with the windshield.

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

### Windshield Mounting

- 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.



## OPERATION

### Filter Mode

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.

### TFSR - Traffic Flow Signal Rejection

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.

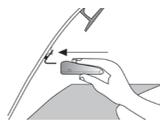
**Note:** Enabling this feature disables K Pop detection (Ka Pop functions normally).

## 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.



**IMPORTANT:** Make sure the unit is level.

## OPERATION

### 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.

To enter:

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	SWS OFF	D = ON Q = OFF	Turns SWS™ On Turns SWS™ Off
5th Time	POP OFF	D = ON Q = OFF	POP On POP Off
6th Time	LED BLINK	D or Q	Dual LED Alert Periscope (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
9th Time	FILTER	D or Q	Filter Mode Filter 1 Mode
10th Time	TFSR OFF	D = ON Q = OFF	TFSR On TFSR Off

Press and hold Menu button to exit Option Select Mode.

## INSTALLATION

### Power Cord Connection

- Plug the small end of the power cord into the unit’s power jack.

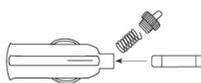
- Plug the large end into the vehicle’s cigarette lighter socket.



**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

### 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.

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.

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

DISPLAY SHOWS: **GET REST**

**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.



### SWS™

### Safety Warning System™

In communities where transmitters are located, the Safety Warning System™ provides over 60 text messages. When Safety Warning System™ 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.