

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 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.

- The Displays 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.

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ALERT PRIORITY

Alert Priority

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

1. Laser
2. Speed Radar
3. Safety Radar

Example:

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

INTELLICORD

Intellicord® Ready

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.

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RESET FEATURES

Reset Features

All user features can be reset to factory settings.

- Unplug the Power Cord from the unit.
- Press and hold the Power and Quiet buttons.
- Plug the Power Cord into the unit.
- Wait for 2 beeps.
- Release the Power and Quiet buttons.

Unit is now reset to the following features and settings.

Default factory settings are:

1. S1: (For Intellicord®) Power ON or OFF.
2. S2: (For Intellicord®) Quiet feature.
3. ADM: ON (Auto Dim ON).
4. HIGHWAY Mode.
5. Dim/Dark Mode to full illumination of display.
6. Auto Quiet Mode OFF.
7. Safety Radar OFF.
8. Vehicle Battery Saver ON.
9. Full Power Up sequence.
10. Default TONE 3.
11. All Bands ON.
12. Laser ON.
13. POP ON.
14. Voice ON.
15. LED Periscope to BLNK.

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

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 cord is defective. Return defective cord to the factory.

PROBLEM: Audio alerts are not loud enough.

- Cancel Auto Quiet Mode or City Mode.
- Check audio level setting (see page 8).

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 F.A.Q. page at www.whistlergroup.com/faq-detectors.asp, before returning your unit for service.

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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 (with the exception of 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.).

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

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

FCC INFORMATION

FCC ID: HSXWH20

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 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 (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: 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.

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

Pro Laser™ I II III • LT1 20-20 • Ultra Lyte

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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 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.

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

Pro Laser™ I II III • LT1 20-20 • Ultra Lyte

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

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 18), 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.

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SPEED MONITORING

Note: 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 user to know and understand the laws in your area regarding the legality of the use of radar detectors.

WARRANTY INFORMATION

Service Under Warranty

During the warranty period, defective units will be repaired without charge to the purchaser when returned with a dated store receipt to the address below. Units returned without a dated store receipt will be handled as described in section "Service Out Of Warranty."

Due to the specialized equipment necessary for testing a Laser-Radar receiver, there are no authorized service stations for Whistler brand detectors other than Whistler.

When returning a unit for service, 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.
1201 North Dixieland Rd.
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 street address (for shipping via UPS), a daytime telephone number and an email 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.

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WARRANTY INFORMATION

Warranty Information

3. Be certain your unit is returned with its serial number. For reference, please write your unit's serial number in the following space:

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 warranty 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 unit's 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.

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 certified check or money order for \$55.00. Payment may also be made by MasterCard, VISA, or American Express; **personal checks are not accepted.**

Power Requirements:

Operational 12 to 15 volts DC, 250mA nominal

Vehicle Battery Saver, 30mA nominal.

One or more U.S. patents may apply:

#5,146,227, #5,379,456, #5,661,120, #5,990,821

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

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

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WARRANTY INFORMATION

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 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) or visit the F.A.Q.'s at www.whistlergroup.com.

SPECIFICATIONS

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:

-20° C to +80° C
(-4° F to +176° F)

Power Requirements:

Operational 12 to 15 volts DC, 250mA nominal

Vehicle Battery Saver, 30mA nominal.

One or more U.S. patents may apply:

#5,146,227, #5,379,456, #5,661,120, #5,990,821

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

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

CE

Specifications are subject to change without notice.

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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

| Order # | Description | Price |
|---------|--------------------|-------|
| 500501 | Zipped Travel Case | |

INTRODUCTION

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 still 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.

Enjoy your Whistler detector and please drive safely.

Sincerely,

The Whistler Group, Inc.

OPERATION

Power On, Self Test

To turn the Power ON or OFF, push the center of the Power/Volume button.

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

• Display shows in order:

- 1. WHISTLER 2. X-band 3. K-band 4. Ka-band
- 5. LASER 6. SR OFF 7. VOICE ON 8. POP ON
- 9. B SVR ON 10. FILTER 11. HIGHWAY

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.

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:

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

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

OPERATION

Audio Level Adjustment

The audio levels can be adjusted high to low or low to high.

- 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.

Auto Quiet Mode

Auto Quiet 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 does not affect laser alerts.

- 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

Quiet cancels audio during an alert and any new alert within 20 seconds. After 20 seconds of no radar signal detected, 2 beeps are provided on any new alert and then the audio 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.

For more information on City and Highway modes, please visit our F.A.Q. page on our website: www.whistlergroup.com

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.
- Pressing City button a fourth time cancels 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 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.

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 Radar) or laser signals are detected, and is recommended for open road driving.

- 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.

For more information on City and Highway modes, please visit our F.A.Q. page on our website: www.whistlergroup.com

OPERATION

Dual LED Alert Periscope

Whistler's new Dual LED Alert Periscope provides 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: 1. flash for all alarms, 2. remain on, or 3. turn LEDs off completely.

Auto Dim

The Auto Dim feature automatically switches the illumination of the text display between the bright and dim settings according to varying light conditions so that the text display will always be easy to read.

To manually override the auto dim feature, use the dark button on the unit. Manual override is canceled when the unit is turned off. Enter Option Select Mode to turn off the auto dim feature.

Filter Mode

There are times when a radar detector can emit the same frequency as police radar and can cause your detector to falsely alarm. Sometimes a detector can display a signal when picking up another radar detector in vehicle close by. The Whistler Filter Mode options provide a method to study the signal which will verify if the signal is a legitimate police radar or a false alarm from another detector. Three options exist:

Filter: Allows for normal filtering.

Filter 1: Provides an extra step to analyze the legitimacy of the signal.

Filter 2: Provides 2 extra steps to analyze legitimacy of the signal.

Filter 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.

- Pressing the Dark button a third time restores full illumination to the display.

OPERATION

Vehicle Battery Saver Mode

The Vehicle Battery Saver Mode automatically shuts off your 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 itself off, press any button to turn the unit back on.

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

Dim/Dark Mode

Dim/Dark Mode reduces the illumination of the display.

- Press the Dark button to reduce illumination to a Dim setting.
- Pressing the Dark 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.

- Pressing the Dark button a third time restores full illumination to the display.

Press the Power button to exit Option Select Mode.

OPERATION

Option Select Mode

Entering Option Select Mode allows you to customize options such as Tone Select and Abbreviated Power Up Sequence. 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 exit. To enter:

| Press Menu: | Display Shows: | To Change: | Option: |
|-------------|----------------|--------------------|---|
| 1st Time | S1:POWER | D or Q | Remote Control of Dim, City, Quiet Power Functions |
| 2nd Time | S2:QUIET | D or Q | Remote Control of Dim, City, Quiet Power Functions |
| 3rd Time | ADIM:ON | D = ON Q = OFF | Auto Dim On Auto Dim Off |
| 4th Time | TONE 3 | D or Q | Tone 1, 2, 3 (Three Different Tone Patterns) |
| 5th Time | TEST YES | D = YES Q = OFF | X, K, Ka Audio Tones One Beep During Power Up |
| 6th Time | X-ON | D = ON Q = OFF | X Band On X Band Off |
| 7th Time | K-ON | D = ON Q = OFF | K Band On K Band Off |
| 8th Time | Ka-ON | D = ON Q = OFF | Ka Band On Ka Band Off |
| 9th Time | LASER ON | D = ON Q = OFF | Laser Band On Laser Band Off |
| 10th Time | SR OFF | D = ON | Turns Safety Radar On Turns Safety Radar Off SWS™ |
| 11th Time | VOICE ON | D = ON Q = OFF | Real Voice Engaged Real Voice Disengaged |
| 12th Time | POP ON | D = ON Q = OFF | POP Mode On POP Mode Off |
| 13th Time | B SVR ON | D = ON Q = OFF | Battery Saver On Battery Saver Off |
| 14th Time | FILTER | D or Q | Filter 1, Filter 2 (Three Different Filters) |
| 15th Time | LED BLNK | D or Q | Dual LED Alert Periscope On (ON, OFF, or Blinking) |

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: **(R) 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 is geiger counter-like.

Safety Warning System Text

Example: Poor - Road - Surface.

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

OPERATION

OPERATION