OWNER'S MANUAL

PRO-78GXi
LASER/RADAR DETECTOR

WHISTLER

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

CUSTOMER SERVICE
479-273-6012
Monday - Friday • 8:00 am - 5:00 pm CT USA

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.

Note: Your warranty period begins at the time of purchase. The warranty is validated **only** by the dated store receipt! Now is the time to record the serial number of the unit in the space provided in the accessory section of the manual.

INTRODUCTION

Dear Whistler Customer,

Whistler has utilized its High Performance antenna design and added new features made specifically for the European market. This model not only packs features common with Whistler's high end models such as Ka Max Mode, RSID, LSID and Real Voice but also includes the following new features not found in USA models;

- Ka Narrow Plus
- Adjustable Laser Segments (which include: TraffiPatrol XR, Riegl, Jenoptik, Laveg, Truespeed and laser guns with "Stealth" modes)
- X/K Filter modes
- Selectable Ramp mode

To utilize your unit to its full potential, we recommend reading this entire manual or visit our FAQ page on our web site www.whistlergroup.com.

Enjoy your new Whistler and please drive safely.
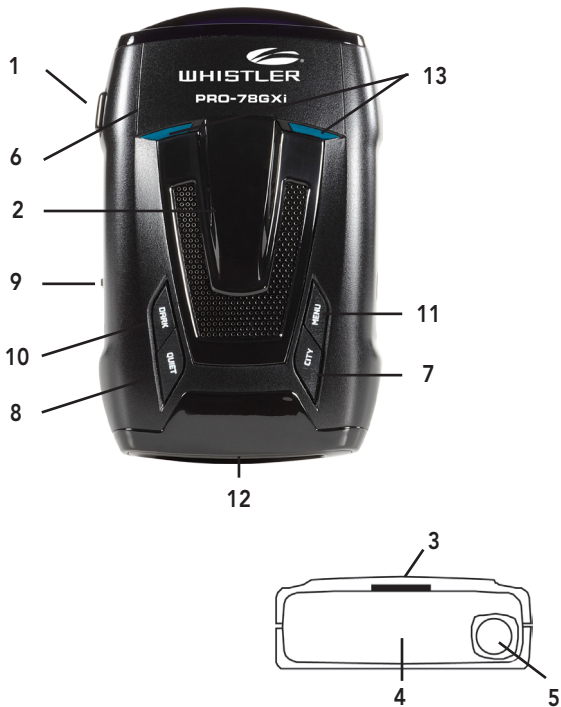
Sincerely,

The Whistler Group, Inc.

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Feature Listings of PRO-78GXi

FEATURES

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 Warning System, and laser.
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** – gently press this button in to turn the unit on/off. Move back or forward to adjust the audio level.
10. **Dim/Dark** - engages Dim/Dark modes.
11. **Menu Button** - enters Option Select Mode.
12. **Blue OLED Text Display** – provides better contrast, brightness and color/shows alerts detected, signal strength, and indicates engaged modes of operation.
13. **Alert Periscopes** - provide an additional attention getting visual alert.

Mounting Guidelines

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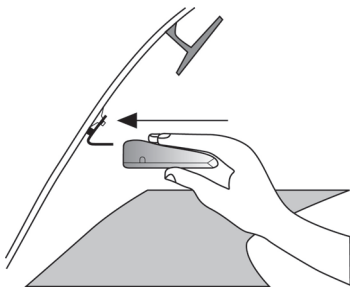
Windshield Mounting

IMPORTANT: Make sure the unit is level

Windshield Mounting

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

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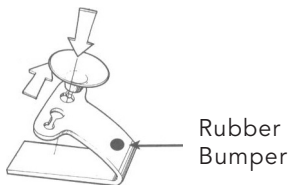
IMPORTANT: Some newer cars have a plastic safety coating on the inside of the windshield. The windshield bracket may leave permanent marks on this type of surface. To find out if your vehicle has this type of windshield, check the vehicle's owner's manual or ask your dealer. We recommend that you do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

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

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

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

Installing the Hardwire Kit
The "U" type connector must be secured to a metal surface that is electrically connected to the battery ground (negative) terminal.

The spade type connector can connect to either live 12 volts or switched 12 volts at your fuse panel accessory port. If no port is available, cut off the spade terminal, expose 1/4 to 1/2 inch of wire, and splice into a source of 12 volt power.

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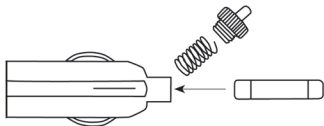
IMPORTANT: Unscrew slowly. The tip contains a spring which may fly out when disassembling. Insert the new fuse with the spring and screw on the tip. With use, screw cap on plug may loosen. **Retighten occasionally.**

Fuse Replacement - hardwire kit
The inline fuse holder on the power cable is equipped with a replaceable 2 amp, 3AG fuse located inside the fuse holder. To replace the fuse, carefully twist the holder to open it to gain access to the fuse.
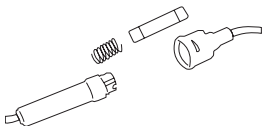
Power On and Self-Test
To turn the unit ON or OFF, gently press the center of the Power/Volume button **into** the side of the unit.

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

Memory/Beep Confirmation
All features selected (except Stay Alert and Quiet) are retained in memory. Each time a button is pressed one beep confirms feature "on", two beeps confirm feature "off".

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.

Speed Mute
When traveling below the speed selected in option mode, no audio will be given to an alert but the display will still continue to provide a visual warning.

Speed Volume
When selected, the audio will adjust with your speed. Set the volume to the maximum and the unit will adjust accordingly.

NOTE: Speed Mute and Speed Volume are selectable in Option Mode.

Auto Quiet Mode
Auto Quiet mode reduces the selected audio level approximately 5 seconds after a radar or safety radar signal is detected. The alert for any new signal within 20 seconds will resume at the lower level. Auto Quiet mode does not affect laser alerts.

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

```
AUTO
  ↓
QUIET
```
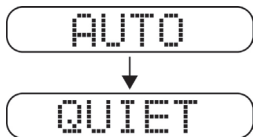
• Once the Auto Quiet mode is engaged, you may cancel the audio alarm by pressing Quiet.

• Press Quiet (when the unit is not alarming) to cancel Auto Quiet mode.

NOTE: Speed selectable Auto Quiet is selectable in Option Mode.

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

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

Understanding the Display
The unit's display can be set up to indicate a Cardinal Point Heading* and Mode of Operation (Highway and City modes). In-between the Heading and Mode of Operation the clock is displayed when vehicle is not moving. Clock will change to speed when vehicle exceeds 5 kmh.

*Heading   Mode of Operation

10:05 H

City/City 1/City 2 Modes
Whistler's City Modes are 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 to cancel Highway Mode and engage City Mode.
- Press City again to enter City 1 Mode.
- Press City again to enter City 2 Mode.
- Press City a fourth time to cancel City 2 Mode and returns the unit to Highway Mode.

OPERATION

In City Mode, weak speed/safety radar signals give an initial alarm of two beeps, and then remain 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 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.

Selectable Signal Strength Display
There are two settings available in Option Mode that effect how a received radar signal strength is displayed. The "RMP STD" (ramp standard) option uses our standard signal progression from level 1 to 9. The "RMP FST" (ramp fast) option increases the progression from level 1 to 9. RMP FST increases the response of the signal strength meter for all bands.

1 = weak signal, 9 = strong signal
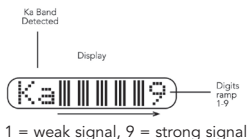
Alert Periscopes
Whistler's Alert Periscopes provide an added attention getting visual alert. The two extra LEDs flash on and off when the unit alarms to provide a unique visual alert.

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This alert can be programmed, through the Option Select Mode to:
1. flash for all alarms
2. remain on
3. turn LEDs off completely

Dim/Dark Modes
Dim/Dark Mode reduces the illumination of the display.
- Briefly press and release the Dark button to reduce illumination to a Dim setting.

$$\boxed{\text{DIM}}$$

- Briefly press and release the Dark button a second time engages Dark Mode. 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 dim setting. Dim Modes can be engaged during an alert.

$$\boxed{\text{DARK}}$$

- Briefly press and release the Dark button a forth time to restore full illumination to the display.

Integrated Real Voice®
Real Voice® will be used to articulate the following:
1. Band Identification
2. Safety Warning System™ categories
3. Feature Selection

INTELLICORD® Ready
The INTELLICORD® power cable allows the user to remotely control two of the following detector features (Power On/Off, City Modes, Dim/Dark, Waypoint and Quiet/Auto Quiet) with a press of a button. See option mode for selecting the functions to work with the INTELLICORD®.

Red Light / Speed Camera Detection
The PRO-78GXi is capable of alerting to these locations with the preinstalled updatable database.

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

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

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

Manual Entry

The unit will save a special location (i.e., a new red light camera or even a "trap") if you enter it manually. The unit will store 1000 user locations.

NOTE: Manual entries must be approximately 100 meters apart to prevent overlapping locations. To manually enter a location, simply press and hold the POWER button and the unit will announce "user point logged". When detecting this position, the unit will announce "caution" the next time it approaches this location. Manual entries can be deleted within a certain radius (selected in Option Select Mode). Once a radius is selected (400, 600, 800, 1000) the data can be deleted within the selected Radius or they all can be deleted completely from memory.

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

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

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

Step 3: Download and save the .cdb file downloaded to your PC. Create a folder for the unit so you can store future updates and save this file into the newly created folder. **DO NOT RENAME THE .cdb FILE OR TRY TO OPEN IT!**

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

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

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

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

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

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

Step 3: Download and save the .bin file downloaded to your PC. Create a folder for the unit so you can store future updates and save this file into the newly created folder. **DO NOT RENAME THE .bin FILE OR TRY TO OPEN IT!**

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

Step 5: Click the "F/W Update" button on the update program and locate the saved file from Step 3. Click the "Update" button to install the file.

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

Vehicle Battery Saver Mode
The Vehicle Battery Saver Mode automatically shuts off the detector after 3 hours if the unit has constant power.

The timer is reset:
1. Each time the detector is turned off
2. The power cord is disconnected or power is removed to the unit.
3. Any button is pressed before the timer has expired.
4. The detector will alert you with an audible and visual warning before it shuts off.

During this warning you can reset the timer by pressing any button. If the unit has automatically turned itself off, press the Power button to turn the unit back on.

Refer to "Option Select Mode" for instructions for changing the battery saver mode option.

Teach/Tutorial Mode
Provides simulated alerts for each type of signal.
• Press City and Quiet simultaneously and release.

Display shows: (TEACH)

• Press Dark to cancel.

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OPERATION

X/K Filter Modes
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. The X/K Filter Mode offers multiple levels of rejection to reduce false alerts caused by these systems.

Ka Filter Modes
There are times when a radar detector in another vehicle, can emit a frequency which can cause your detector to falsely alert. The Ka Filter Modes allow you to select the level needed for your area to minimize the occurrences of these false alerts.

Filter Mode is the factory default setting and should provide adequate filtering for most conditions. If you experience excessive alerts due to radar detectors in other vehicles, increase the Filter level. See Option Selection Mode to change the filter settings.

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.

Ka Max Mode
Ka Max Mode provides enhanced Ka sensitivity - increased detection. This mode can be selected with or without RSID. See Option Select Mode for changing Ka options.

Ka Narrow Plus Mode
Many countries do not share the same Ka radar guns as the USA. Having a radar detector that scans the complete Ka band may not be necessary if your Country is only using one or more of the following (34.0, 34.3, or 35.5 GHz). Other brands of detectors may also offer a Ka narrow mode Option of 34.3 but only Whistler includes 34.0 and 35.5 with the Narrow Plus feature. See Option Select Mode to engage Ka Narrow Plus mode.

Radar Signature ID (RSID) with Voice Prompts
Identify the difference between the likelihood of a Ka threat vs. the likelihood of a Ka false from another source (possible radar detector).

The Ka RSID feature will educate you to the common Ka speed radar guns by displaying and announcing the nominal police radar frequencies of 33.8GHz/34.0GHz/34.3GHz/ 34.7GHz/35.5GHz. The Ka alerts that do not fall into the common Ka speed radar windows will be reported only as Ka.

NOTE: This product is not a frequency counter. The unit will categorize the received Ka signal and select the appropriate information. Treat every Ka alert with caution.

OPERATION

Laser Signature ID (LSID)
Identify the Laser gun's pulse rate or PPS (Pulses per Second) that is transmitted by the speed laser gun. LSID may also be used to identify other forms of laser sources such as LACC (Laser Assisted Cruise Control) systems found in some high end vehicles. If the Laser PPS information displayed is due to another source such as local airports or LACC, LSID allows you to Lock Out this rate from giving you the continuous audio alert during this and any new encounter of the same rate.

To lock out a PPS, press the Quiet button during the Laser alert. This will place an * on the screen beside the PPS rate and Lock Out this signature ID. Any new encounter with the same Laser Signature ID will provide the display information and two quick beeps.

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

Adjustable Laser Receiver
If these alerts are bothersome, you may wish to turn on the LSID feature and make note of the PPS rate for these occurrences.

The laser validation windows are separated into 4 groupings allowing for customization to eliminate and/or make less frequent the number of laser alerts from these non police sources such as airports, laser assisted cruise control systems and more.

Adjustable Laser Receiver - continued
An example of this may be to shorten the first window from .05-1.0 to .05-.90, the second window can be adjusted from 1.0-2.0 to 1.2-2.0. You now have ignored any laser that has an average PPS rate between 900Hz and 1200Hz. Validation will occur from 50Hz to 900Hz, and resume from 1200Hz to 2000Hz.

adjustable begining ⸺⸺⸺⸺┐ ┌⸺⸺⸺ adjustable ending

$$.05-1.0Y$$

1 of the 4 Laser Windows
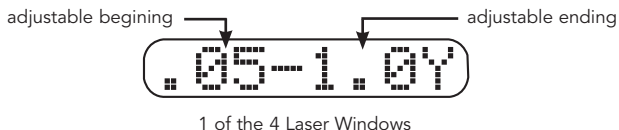
If laser within a group is not used in your country, you may shut off that group (change the selection from Y to N while in Option Select Mode) by pressing the PWR and DARK button at the same time then releasing.

POP™ Mode Alerts
Because POP™ Mode radar utilizes the same K or Ka band frequencies, POP™ Mode Alerts will initially be displayed as POP K or POP Ka then switch to band and signal strength.

Safety Warning System™ SWS
In communities where transmitters are located, the Safety Warning System™ can transmit over 60 messages. When an SWS signal is detected the audio alert is Geiger counter-like.
Safety Warning System Text Message
Example: Highway Advisory.

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

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.

Option Select Mode
Press the Menu button to enter Option Select Mode. Press the Menu button again will step thru in an ascending order while pressing the City button will step thru in a decending order.

Option Select Mode - continued

Feature	Display Shows	To Change: D=Dark Q=Quiet	Option
POWER	S1: Power	D or Q to select	Remote Control of Dim, City, Quiet, Power, Waypoint Functions
QUIET	S2: Quiet	D or Q to select	Remote Control of Dim, City, Quiet, Power, Waypoint Functions
TONE	TONE 3	D or Q to select	Tone 1, 2, 3 (3 Different Tone Patterns)
TEST	TEST YES	D = YES Q = OFF	YES = X, K, Ka Audio Tones OFF = One Beep During Power Up
X BAND	X = ON	D = ON Q = OFF	X Band ON (default) X Band OFF
K BAND	K = ON	D = ON Q = OFF	K Band ON (default) K Band OFF
Ka BAND	Ka RSID	D or Q to select	Ka Band (RSID,NORM, OFF,MAX,MAXID,MxNID,NarID)
LASER	LSR LSID	D or Q to select	LASER (NORM,OFF,LSID)
LASER AREA 1	.02-.09 Y	Press both D&Q	D= Left Group Adj, Q= Right GroupAdj Change Laser Detection Area
LASER AREA 2	1.1-2.0 Y	Press both D&Q	D= Left Group Adj, Q= Right GroupAdj Change Laser Detection Area
LASER AREA 3	2.0-3.0 Y	Press both D&Q	D= Left Group Adj, Q= Right GroupAdj Change Laser Detection Area
LASER AREA 4	3.0-4.0 Y	Press both D&Q	D= Left Group Adj, Q= Right GroupAdj Change Laser Detection Area
TRAFFIPATROL	LSR XR Y	D = ON Q = OFF	Traffipatrol ON, OFF
SWS™	SWS OFF	D = ON Q = OFF	Turn SWS™ ON Turn SWS™ OFF (default)
VOICE®	VOICE ON	D = ON Q = OFF	Real VOICE® Engaged Real VOICE® Disengaged
POP™	POP OFF	D = ON Q = OFF	POP ON POP OFF (default)
BATTERY SAVER	B SVR OFF	D = ON Q = OFF	Battery Saver ON Battery Saver OFF (default)
XK FILTER	XK FLTR 1	D or Q to select	Filter 1, Filter 2, Filter 3, Filter 4, Filter 5

Option Select Mode - continued

Ka FILTER	Ka FLTR 1	D or Q to select	Filter 1, Filter 2, Filter 3
ALERT PERISCOPES	LED BLNK	D or Q to select	Alert Periscopes ON (ON, OFF or Blinking)
SIGNAL STRENGTH	RMP STD	D or Q to select	Signal Strength: Standard or Fast
GPS MODE	GPS Y	D = ON Q = OFF	GPS Mode ON (default) GPS Mode OFF
LOCAL TIME	GMT 5	D or Q to select	Change Time Zone
DAYLIGHT SAVINGS	DST NO	D = YES Q = NO	Daylight Savings YES Daylight Savings NO (default)
CLOCK	CLOCK Y	D = YES Q = NO	Clock Display YES (default) Clock Display NO
AUTO DIM	ADIM:ON	D = ON Q = OFF	Auto Dim On (default) Auto Dim Off
COMPASS MODE	COMPAS Y	D = YES Q = NO	Compass Mode ON (default) Compass Mode OFF
HEADING VOICE	↑ VOICE N	D = ON Q = OFF	Compass direction voice ON Compass direction voice OFF
SPEED WARNING	D-SPD	D or Q to select	Over speed warning - Select desired speed limit for alert
SPEED VOLUME	SPD-V	D or Q to select	SPD-V YES SPD-V NO(default)
AUTO QUIET SPEED	AQSPD 0	D or Q to select	Select low speed limit for Auto Quiet to engage
SPEED MUTE	SPD-M 0	D or Q to select	Select low speed limit for Mute to engage
MAX SPEED	HSPD	Press both D&Q to clear	Displays max speed
TRIP MILEAGE	ODO	Press both D&Q to clear	Displays Trip mileage
TRIP TIME	ET 0: 0	Press both D&Q to clear	Displays Trip Time
ALARM RADIUS	RAD 800↑	Press both D&Q ↑ / ∅	Select 400, 600, 800, 1km (Heading/Radius)
DELETE RADIUS	D-RAD 800	D or Q to select D and Q to execute	Select 400, 600, 800, 1km delete waypoint
DELETE WAYPOINTS	ALL DEL	Press D and Q	Delete all manual waypoints

Press the Power button to exit. Option mode will automatically exit if no buttons are pressed within 20 seconds.

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. Before unit alerts, press PWR to exit this feature. If a button is not pressed within 3-5 seconds, an alarm sounds.

Display shows: (GET REST)

• Press the DARK button to exit during the Get Rest message.

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!

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 word "Laser" and bar graph is displayed, the audio alert is continuous for a minimum of 3 seconds.

Example: (LASER ‖‖‖)

Pulse Protection®
Pulse (or instant-on) radar is more of a threat 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.

Display shows: (PULSE)

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.

Reset Features

All user features can be reset to factory settings.
- Remove Power from the unit.
- Press and hold the Power and Quiet buttons.
- Restore Power to the unit.
- Wait for 2 beeps.
- Release the Power and Quiet buttons.

Unit is now reset to the following features and settings.

S1: (For INTELLICORD®)
Power ON or OFF.
S2: (For INTELLICORD®)
Quiet feature.
City/Highway to Highway.
Dim/Dark Mode to full illumination of display.
Auto Quiet OFF.
Vehicle Battery Saver OFF.
Full Power Up sequence.
Default TONE 3.
X, K Bands ON.
Ka Band ON.
Laser LSID.
POP OFF.
SWS OFF.
Voice ON.
LED Periscopes to BLNK.
X/K Filter 1.
Ka Filter 1.

All laser windows ON.
Laser TraffiPatrol XR ON.
GPS YES.
DST NO.
GMT 5.
Clock YES.
Auto Dim ON.
Compass YES.
Heading Voice OFF.
Over SPD 0.
SPD-V OFF.
Auto Quiet SPD 0.
Speed Mute SPD 0.
High Speed: Cleared.
Odometer: Cleared.
Estimated Trip Time: Cleared.
Alarm Radius: 800.
Delete Radius: 800.

TROUBLESHOOTING

Care and Maintenance
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.

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 power cable, replace if necessary.
• Check fuse in fuse box, replace if necessary.

PROBLEM: Unit alarms when vehicle equipment or electrical accessories (brakes, power mirrors/windows, directionals, horn, etc.)
• Check conditions of vehicle's electrical system, including battery and alternator.

PROBLEM: Audio alerts are not loud enough.
• Cancel Auto Quiet Mode or City Mode.
• Check audio level setting.

TROUBLESHOOTING

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

PROBLEM: Unit Ka falses too much.
• If your country only uses 34.0, 34.3, or 35.5 GHz use Ka Narrow Plus Mode.
• If your country uses all of Ka band, switch Ka Max to Ka Norm or RSID.
• If alarms are POP Ka, switch POP Mode to off.
• If the above option doesn't help, use a higher Ka Filter setting.
• If alarms are X or K band and due to radar based traffic flow sensors or radar based vehicle blind spot detectors, use a higher X/K Filter setting.

If difficulties occur which cannot be solved by information in this Troubleshooting Guide, please call Whistler Customer Service at 1-479-273-6012 or visit our FAQ page at www.whistlergroup.com, before returning your unit for service.

ARE DETECTORS LEGAL?
Check with your country's laws reguarding radar detector ownership and use.

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.

POP™ Mode
POP™ Mode is a feature on some radar guns operating on K and Ka bands. When the gun is in POP™ Mode and activated, a brief burst of energy, less 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 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 800-1000nm.

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

Radar Facts
A radar gun operates by transmitting radio waves at certain frequencies which reflect off objects and are picked up by the radar gun's receiving section. When a radar beam reflects off a moving target, a measurable frequency shift occurs. The radar unit converts this shift into miles per hour to determine your vehicle's speed.

Radar Facts - Continued
This laser/radar detector receives signals from 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: Your radar detector is designed to alarm if an officer is transmitting on any one of the above radar bands.

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, 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.

Radar Detector Detectors: VG-2, Spectre - Continued
vulnerable to receive two tickets; one potential for speeding, and the other for possession of a detector.

NOTE: The latest 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.

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 many 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.

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

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.

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. **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.

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 Radar Detector is $95.00 (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 $95.00. Payment may also be made by MasterCard, VISA or American Express. **Personal checks are not accepted.**

WARRANTY INFORMATION

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.

SPECIFICATIONS
Radar Frequencies:
10.500 - 10.550 GHz (X Band)
24.050 - 24.250 GHz (K Band)
33.400 - 36.000 GHz (Ka Superwideband)
34.0, 34.3 and 35.5 GHz (Ka Narrow Plus)

Laser Wavelength: 800-1000 Nanometers (nm)

Operating Temperature Range:
 -10 C to +70 C   (+14 F to +158 F)

Power Requirements:
Operational 12 to 15 volts DC, 250mA nominal (2 amp fuse)
Vehicle Battery Saver, 30mA nominal.

POP™ Mode is a trademark of MPH Industries, Inc.
SWS™ is a trademark of Safety Warning System L.C.

Patents can be viewed here:
http://www.whistlergroup.com/pat

Specifications are subject to change without notice.

CE RoHS
2002/95/EC

ACCESSORIES

The following accessories can be ordered from Whistler by calling 1-479-273-6012.

Order #	Description	Price
403774	INTELLICORD®	$ 27.95
202152	Large 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
202156	Package of 4 Suction Cups	$ 2.95
402080	Non Skid Dash Pad	$ 6.95

Plus Shipping and handling (per order). Prices are subject to change without notice.

write serial number in the space provided