

OWNER'S MANUAL

CRUISADER

MOTORCYCLE
LASER/RADAR DETECTOR

THE WHISTLER GROUP, INC.
CORPORATE HEADQUARTERS
13016 N. Walton Blvd.
Bentonville, AR 72712
TEL: 479.273.6012 FX: 479.273.2927

© The Whistler Group, Inc. 2005

www.whistlergroup.com



www.whistlergroup.com

INTRODUCTION

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.

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 warranty section of the manual.

Dear Whistler Owner,

Whistler has developed a complete and comprehensive laser/radar solution for motorcycles and other recreational type vehicles. This unit allows discrete laser/radar protection with many installation options. See the installation manual which covers all of these options.

Not only does this unit provide a stealthy installation but also delivers very powerful protection from the newest laser/radar guns – especially POP™ Mode detection! Along with POP™ mode this unit also offers:

- **BLUE BACKLIT TEXT DISPLAY**
shows laser-radar information, VG-2 alerts, SWS™ messages, and detector status in text form.
- **OPTIONAL WIRELESS IN-HELMET DISPLAY UNIT- WIHD**
- **BATTERY MONITOR**
- **AMBIENT AIR TEMPERATURE**
- **CONTROL PANEL DESIGNED TO FIT 2 1/16" GAUGE MOUNTS**
This allows use of after market housings to further customize this unit.

Even though the CRUISADER is packed full of features, it's still very easy to use. To fully utilize your unit to its 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,

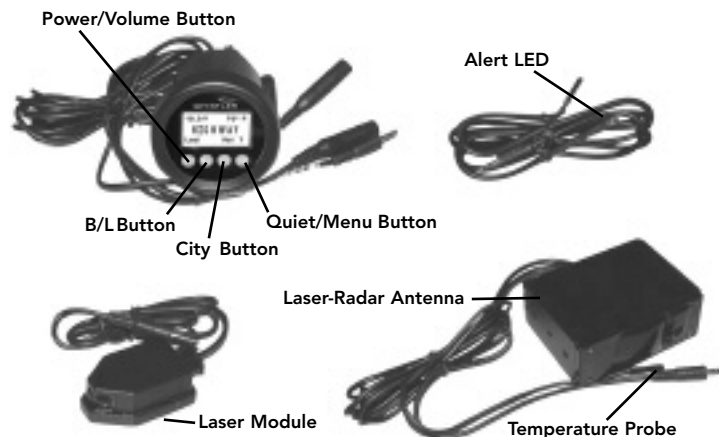
The Whistler Group, Inc.

TABLE OF CONTENTS

Model Features Summary	3 - 4
Operation	5 - 14
• Power On And Self-Test	
• CRUISADER Display	
• Engaging/Disengaging VG-2	
• Backlight Settings	
• City Modes	
• Stay Alert	
• Option Select Mode	
• Teach/Tutorial Mode	
• Aux Out	
• Voice Module Port	
• Memory/Beep Confirmation	
• Auto Level Adjustment	
• Auto Quiet/Quiet Modes	
Radar, Laser And VG-2 Alerts	15 - 18
• Radar Alerts	
• Pulse Protection®	
• Safety Radar Audio/Visual Alerts	
• Laser Audio/Visual Alerts	
• VG-2 Audio/Visual Alerts	
• Alert Priority	
• Reset Features	
• Care and Maintenance	
Communication Breakdown	19
Troubleshooting Guide	20
Are Detectors Legal?	21
• FCC Information	
Speed Monitoring Technologies	22 - 23
• Radar Facts	
• POP™ Mode	
• Total Band Protection™	
• Laser Facts	
• Other Speed Detection Systems	
• Radar Detector Detectors	
Warranty Information	24 - 26
Specifications	27
Accessories	28 - 29

WHISTLER FEATURES

Whistler CRUISADER



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

- **Laser- Radar Antenna** - Compact, high-efficiency antenna receives both laser and radar signals.
- **City/City 1/City 2 Mode** – Reduces the annoyance of false alerts typically encountered in urban driving areas.
- **Laser Module** – Provides rear laser protection or front detection (if laser/radar antenna is concealed).

Note: Specifications and appearance may change without notice.

WHISTLER FEATURES

- **Blue Backlit LCD Text Display** - Provides distinct visual confirmation of signals detected, signal strength, and indicates engaged modes of operation.
- **Ambient Temperature & Volt Meter**– Monitors the air temperature and the vehicle's charging system
- **Total Band™ Protection**– Provides Complete Band Coverage of all Laser, Radar, VG-2, and Safety Radar Bands.
- **Stay Alert**– Whistler's exclusive Stay Alert™ feature tests your alertness on long trips.
- **Selectable Bands**– allows for the user to turn off bands not used in that specific driving area.
- **Alert Priority**- If more than one signal is received at the same time, the most important alert is displayed.
- **Optional Wireless In-Helmet Display (WIHD)** - This receiver provides a flashing LED that is in your peripheral vision and flashes when the unit receives signals.
- **Quiet/Menu Button** - Pressing QUIET before a signal is detected engages Auto Quiet Mode which automatically reduces the optional 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. Pressing and holding Quiet for 2 seconds allows you to enter Option Select Mode (see page 13).
- **Power/Volume Control** - Turns unit on/off and adjusts the optional audio level.

OPERATION

Power On And Self-Test

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

- Press **P/V** or apply Power. Display reads:

WHISTLER

X [REDACTED] III 9

K [REDACTED] III 9

Ka [REDACTED] III 9

Laser [REDACTED] III

POP ON

VG2 OFF

SR OFF

HIGHWAY

OPERATION

CRUISADER's Display

The LCD display shows the detected signals as well as battery voltage, air temperature, Aux out selection (LED, Tone or Voice Module) and volume level selected.

See example:



NOTE: The features listed above can be programmed ON or OFF in option select mode. If one or more are programmed OFF, that area will be blank. See example of all programmed OFF Below:



Currently the laser/radar information is centered in the display, but these can be programmed in option select mode to have either the battery voltage or air temperature displayed center stage. See examples on page 7:

OPERATION



Highway



Temperature



Battery Voltage

Ice Warning Mode: When temperature drops to 32°F display shows:



Unit then gives a unique warning tone and the backlight will flash. This will only happen once after the unit is first turned on. When either Hi T or Lo T is displayed, the limits of the temperature sensor have been reached.

Note: Temperature may rise while vehicle is stopped and idling, this is normal.

Engaging/Disengaging VG-2

See option select mode to turn this feature on/off.

Note: Selecting "POP OFF" turns VG-2 ON.

Backlight Settings

The backlighting (B/L) can be programmed to be illuminated all the time, only when alarming, or choices in-between. The options are selectable by pressing and holding the B/L button on the unit. The options are:

- OFF - OFF = Backlight is off during normal operation and off when the unit alarms.
- OFF - DIM = Backlight is off during normal operation and dim when the unit alarms.
- OFF - BRT = Backlight is off during normal operation and bright when the unit alarms.
- DIM - OFF = Backlight is dim during normal operation and off when the unit alarms.
- DIM - BRT = Backlight is dim during normal operation and bright when the unit alarms.

The backlight will turn on, if selected, while the unit alarms and remain on for 3 seconds after the unit stops alarming. When any button is pressed the backlight will illuminate at the dim setting and remain on for 3 seconds afterwards. The backlight will also illuminate while in option mode.

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** to engage City.
- Press **City** a second time to engage City 1.
- Press **City** a second time to engage City 1.
- Press **City** a third time to engage City 2.
- Press **City** a fourth time to cancel City 2 Mode and return the unit to Highway Mode.

In City Mode, weak speed/safety radar signals give an initial alarm of two beeps, (with optional audio) and then remains quiet unless the signal becomes very strong. When the signal strength increases, two additional beeps are provided. In City 1 Mode, only the X band sensitivity is lowered. City 1 & 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: When selecting this mode, some towns/small cities may still be using X band radar. If Auto Quiet is engaged in City 1 or City 2 modes and the unit receives a strong radar signal, the unit performs the Auto Quiet feature. City Modes do not change the audio alert for laser or VG-2.

OPERATION

Stay Alert™ Feature

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

- Press and hold City for 2 seconds. Display shows:

RU ALERT

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

If a button was not pressed within 3-5 seconds, the optional alarm sounds, B/L flashes and the display shows:

GET REST

- Press P/V to exit.

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.**

OPERATION

Option Select Mode

Entering Option Select Mode allows you to customize options such as Tone Select, Real Voice®, Abbreviated Power Up Sequence test and VG-2 Mode. When selecting options, B/L=yes, City (C)=no, Quiet (Q)=next selection. Any one of these must be pressed within 20 seconds or options mode will automatically be exited. To enter:

Press Q:	*Display Shows:	2 Change Press	Option Shows:
For 2 seconds	MAIN-RADAR	B/L or C	Main-Temp Main-Batt
2nd time	Tone 3	B/L or C	Tone1, Tone 2
3rd time	TEST YES	B/L = YES C = NO	X, K, Ka Audio tones 1 beep during power up
4th time	TEMP °F	B/L or C	Changes Temp Reading
5th time	TEMP YES	B/L = YES C = NO	Temp ON Temp OFF
6th time	BATT YES	B/L = YES C = NO	Battery Voltage ON Battery Voltage OFF
7th time	POP ON	B/L = ON C = OFF	Turns POP™ Mode ON Turns POP™ Mode OFF
8th time	SR OFF	B/L = ON C = OFF	Turns Safety Radar ON Turns Safety Radar OFF
9th time	X BAND ON	B/L = ON C = OFF	Turns X Band ON Turns X Band OFF
10th time	K BAND ON	B/L = ON C = OFF	Turns K Band ON Turns K Band OFF

OPERATION

11th time	Ka BAND ON	B/L = ON C = OFF	Turns Ka Band ON Turns Ka Band OFF
12th time	Laser ON	B/L = ON C = OFF	Turns Laser ON Turns Laser OFF
13th time	Voice OFF	B/L = ON C = OFF	Real Voice® ON Real Voice® OFF
14th time	Tone Off	B/L = ON C = OFF	Turns Tone ON Turns Tone OFF
15th time	LED On	B/L = ON C = OFF	Turns LED ON Turns LED OFF

*Factory settings.

Press and hold P/V twice anytime to exit. **NOTE:** *Turning POP™ Mode off, turns on VG-2.*

Teach Mode

Provides simulated alerts for each type of signal

- Press City and Quiet simultaneously and release.
- Display shows: **TEACH**

- Press Power to exit.

Aux Out

Three options can be used with this unit; LED output (included), tone output and voice output.

LED - The LED output is defaulted to ON in option mode. The LED will flash to indicated signal detection. The faster the flash rate, the stronger or closer the

OPERATION

laser/radar signal will be. This replaces the normal audio found in other detectors. The bright LED will catch your attention as an audio alert may not. **NOTE:** When this option is selected, volume level will not be displayed on the screen.

Tone - The Tone output provides a signal to an optional audio module. As with the LED, this module will provide audio for laser/radar signals. Use and installation instructions will be included with this option. Volume to this module can be adjusted using the P/V button.

Voice - The Voice Module not only provides voice announcements of bands received, it also provides audio alerts for laser/radar signals that are detection. Use and installation instructions will be included with this option.

NOTE: The following sections only function when Tone or Voice is selected and the optional module is connected to the AUX output.

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"**.

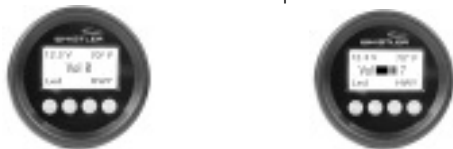
Audio Level Adjustment

The audio levels can be adjusted high to low, or low to high, in eight steps: (0) is no audio level, (7) the highest.

- Press and hold **P/V** to increase audio level.
- Press and hold **P/V** to decrease audio level.

OPERATION

As audio level is adjusted, beeps are provided and the display indicates volume level. Example:



- Press and hold **P/V** and the volume will go to the max level (7), then proceed to lower the volume to level (0). Continuing to hold the **P/V** button will repeat the volume steps above.

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 VG-2 or laser alerts.

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

AUTO
↓
QUIET

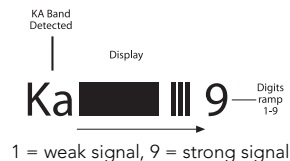
- Once the Auto Quiet mode is engaged, you may cancel the audio alarm by pressing **Quiet**.
- Press **Quiet** (when the unit is not alarming) to cancel Auto Quiet mode.

Note: When Auto Quiet engages, it cancels the audio to the optional Voice Module.

RADAR ALERT

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 geiger counter-like pattern. The faster the beep, or the flash of the LED, the closer or stronger the radar source. Example:



Pulse Protection®

When a pulse type signal (instant-on strong signal) is detected an urgent 3 second audio warning is sounded and the display shows:

PULSE

Quiet Mode

Quiet Mode cancels the optional 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.

Whistler In Helmet Display (WIHD)

The CRUISADER incorporates a built-in wireless transmitter. This transmitter provides laser/radar information to our optional In Helmet Display receiver. Installation and user

SAFETY RADAR-LASER ALERTS

information are included with the WIHD product. The B/L button can control the brightness of the WIHD's LED. Simply press and release the B/L button and the display will show "WIHD-BRT" or "WIHD-DIM".

Safety Warning System™ Text

Example: Poor Road Surface:

CAUTION
↓
POOR
↓
ROAD
↓
SURFACE

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

Laser Audio/Visual Alerts

When a laser signal is detected, the word "Laser" and signal strength is displayed, the audio alert is continuous for a minimum of 3 seconds. Example:

LASER ■■■

The more "■■■" the closer the laser source.

An asterisk is displayed when the optional laser module antenna receives a signal. Example:

LASER*

VG-2 ALERTS

VG-2 Audio/Visual Alerts

Note: You must turn the POP feature OFF in option select mode 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.

VG2 VG2

Text message confirms detection of 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. Having a laser/radar detector does not make you invisible or immune to laser/radar guns. As in the case with detecting instant-on radar, there are some circumstances that the VG-2 may detect your laser/radar detector before the laser/radar can detect the VG-2 signal in time to hide. (Reference page 23 for Radar Detector 'Detector' information.)

Alert Priority

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

1. Laser
2. VG-2
3. Speed Radar
4. Safety Radar

Example:

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

Reset Features

All user features can be reset to factory settings.

- Remove Power from unit.
- Press and hold P/V and Quiet.
- Apply power to the unit.
- Wait for 2 beeps.
- Release P/V and Quiet. Unit is now reset to the following features and settings.

1. Audio to level (5).
2. Set to Highway Mode.
3. B/L to DIM-BRT.
4. Auto Quiet Mode OFF.
5. VG-2 Detection Mode OFF.
6. Voice OFF.
7. POP™ Mode ON.
8. Safety Radar OFF.
9. Full Power Up sequence.
10. Default TONE 3.
11. BATT ON.
12. TEMP ON.
13. LED ON.
14. TONE OFF.
15. TEMP to "F".
16. WIHD set to BRT

Care And Maintenance

Do not spray water, cleaners or polishes directly onto the unit. Keep the laser-radar lens clean for optimum performance. Also, do not use any abrasive cleaners on the unit's exterior.

Communication Breakdown

If a problem arises between the control panel and the laser/radar antenna, the unit will give a unique audio tone, and the B/L will go to full brightness.

The display shows:

COM ERROR

Trouble w/ Radar Antenna

T ERROR

Trouble w/ Temp Probe

If a COM error occurs:

- Press P/V to turn unit off.
- Check connection in back of control panel.
- Perform "reset features."
- See dealer/installer.

If a T error occurs:

- Press P/V to turn off unit.
- Check temperature probe installation for possible pinched wire.
- See dealer/installer.

NOTE: This T error occurs only at Power Up.

TROUBLESHOOTING GUIDE

Your Whistler detector is expertly engineered and designed to exacting quality standards to provide you with reliable, trouble-free operation. If your unit has been correctly installed following the guidelines in this manual, but is not operating optimally, please refer to the troubleshooting guide below.

PROBLEM: No display or audio.

- Check fuse in power cable, replace if necessary.
- Check fuse in fuse box, replace if necessary.
- Make sure power cable is properly grounded.

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.
- Install a filter capacitor (470 mfd. 25 volt or larger capacitance value) where power connection is made.

PROBLEM: Audio alerts are not loud enough with the optional module.

- Cancel Auto Quiet Mode or City Mode.
- Check audio level setting.

PROBLEM: Display shows communication error. Also see page 19.

- Warning communicates "loss of link" between control panel and Laser-Radar antenna.
- Check antenna connection at back of control panel.
- Contact the factory if you suspect antenna is defective.

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

ARE DETECTORS LEGAL?

In Most States YES!

Laser-Radar detectors are completely 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.

FCC ID: HSXWH33

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.

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: A radar detector will not alarm if an officer is not transmitting on any one of the above radar bands.

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.

Total Band Protection™

Complete Band Coverage that detects laser, radar, VG-2 and safety radar bands.

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 transmission which covers about 3 feet at the same distance. For best protection, keep these points in mind:

- 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 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 +/- 10mm.

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

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

WARRANTY INFORMATION

radar detector equipped vehicles. If caught in a state or country where detectors are illegal, (see page 21), drivers risk losing their radar detector and receiving a fine. In addition, instant-on radar is almost always used in combination with a RDD, leaving unsuspecting motorists vulnerable to receiving two tickets — one potentially for speeding, the other for possession of a detector.

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. As of this printing the Spectre RDD can detect all 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.

Consumer Warranty

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

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.”**

WARRANTY INFORMATION

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 under warranty, please follow these instructions:

1. Ship both the control panel and antenna (**CAUTION: DO NOT CUT WIRES** when removing the antenna as this will void the warranty.) 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. **COD's will not be accepted.**

2. Include with your unit the following information, clearly printed:
- Your name and street address (for shipping via UPS), a daytime telephone number and e-mail address if applicable. (No P.O. Box please.)
 - A detailed description of the problem (e.g., “Unit performs self-test but does not respond to radar”).
 - A copy of your dated store receipt or bill of sale.
3. Be certain your unit is returned with its serial number. For reference, please write your unit's serial number in the following space:
- Antenna S/N _____
- Control Panel S/N _____
- Laser Receiver S/N _____.

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.

WARRANTY INFORMATION

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.**

In the event repairs cannot be covered by the minimum \$55.00 service fee, you will be contacted by a Whistler technical service specialist who will outline options available to you. If you elect not to have your unit repaired, it will be returned to you and your repair fee will be refunded. CODs will not be accepted! Therefore, please ship your unit insured with return receipt requested.

IMPORTANT: When returning your unit for service, be certain to include a daytime telephone number and an e-mail 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
8:00 a.m. to 5:00 p.m (CT). or visit the FAQ's at
www.whistlergroup.com

SPECIFICATIONS

- **Dimensions:** Antenna: 3.06" H x 1.23" W x 2.82" L
Control Panel: 3" L x 2.062" Diameter
Laser Module: .8" H x 2.5" W x 1.45" L

- **Weight:** Antenna: 8.1 oz.
Control Panel: 5 oz.
Laser Module: 1.4 oz.

- **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)

- **WIHD Frequency:**
433 mhz

- **Operating Temperature Range:**
-20° C to +80° C (-4° F to +176° F)

- **Power Requirements:**
Operational 12 to 15 volts DC, 200mA nominal

One or more U.S. patents may apply: #5,146,227;
#5,379,456; #5,666,120, and #5,990,821.

Specifications are subject to change without notice.

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 Code	Description	Price
203601	Wireless In Helmet Display	\$59.95

Shipping and handling (per order) \$7.50

Prices are subject to change without notice.

ACCESSORY ORDER FORM

PLEASE SHIP TO:

Name: _____

Street: _____

City: _____ State: _____ Zip: _____

Telephone Number: (____) _____

Order Code/Description	Quantity	Total Price
		\$
Subtotal		
Sales Tax (if Applicable)		
Shipping and Handling*		\$7.50
Total Enclosed		\$

**SEND ORDER FORM WITH CERTIFIED CHECK
OR MONEY ORDER TO:**

Whistler CTS
PO Box 1844
Bentonville, AR 72712

**IF PAYING BY MASTERCARD, VISA OR
AMERICAN EXPRESS PLEASE PROVIDE:**

Type of Card ____MasterCard ____Visa ____American Express

Name on Card: _____

Card Number: _____

Expiration Date: _____

Cardholder Signature: _____

*For expedited shipping costs, contact Whistler Customer Service, **1-800-531-0004**