OWNER'S MANUAL

RLC-250

Red Light/ Speed Camera DETECTOR

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Whistler Customer Return Center
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www.whistlergroup.com

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WHISTLER

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. For warranty verification purposes, a copy of your dated store receipt must accompany any unit sent in for warranty work. If the unit is returned without a dated store receipt, an out of warranty service charge applies.

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

To fully acquaint yourself with the operation of your Whistler unit, we recommend reading this entire manual or visiting our FAQ page on our website www.whistlergroup.com
Enjoy your Whistler and please drive safely.

Sincerely,

The Whistler Group, Inc.

TABLE OF CONTENTS

Model Features Summary . . . . . ***3 - 4***
GPS/Camera ***5***

Installation . . . . . ***5 - 8***
- *Software Information* 5
- *Mounting Guidelines* 5
- *Dash Mounting* 6-7
- *Power Connection And Fuse Replacement* 7-8

Operation . . . . . ***8 - 17***
- *Power On And Self-Test* 8
- *Audio Level Adjustment* 9
- *Screen Brightness Adjustment* 9
- *Getting a Satellite Lock* 10
- *Feature Settings* 11
- *Changing Settings* 11-13
- *Camera Alerts* 14-15
- *Manual Entry* 15-16
- *Resetting/Clearing Features* 16-17
- *Using the Remote Control* 17

Troubleshooting Guide ***18***
- *Care & Maintenance* 19

FCC Information ***20***

Warranty Information . . . . . ***21 - 24***

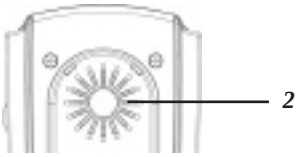
Specifications ***25***

Accessories ***26***

IMPORTANT:
The RLC-250 is a red light/speed camera locator and does not detect laser or radar signals.

RLC-250 FEATURES

RLC-250 FEATURES



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

1. ***GPS Antenna –*** *Compact, high efficiency antenna receives GPS signals.*
2. ***Speaker –*** *Provides distinct audio warnings for Red Light, Speed Camera and user entered locations.*
3. ***Power Switch*** *- Turns unit on or off.*
4. ***Power Jack*** *- Allows connection to the power cable.*
5. ***Warning Range (WR)*** *- Blue LEDs flash to indicate distance. The faster the flash, the closer to the source.*
6. ***IR Antenna (IR)*** *- Receives the remote's signals.*
7. ***Power/GPS lock LED (PW)*** *- Indicates power on and GPS lock status (Red to Green).*

FEATURE DESCRIPTIONS

8. ***1.6" OLED Display*** *- Easy-to-read display indicates time, speed, and distance to camera.*
9. ***USB Port-*** *For connection to a PC for updates.*
10. ***Remote Control*** *- Operates the features of the RLC-250.*

Important Information

WARNING: It is the user's responsibility to use this product prudently and maintain safe driving practices at all times.
The Global Positioning System (GPS) is operated by the government of the United States, which is solely responsible for its accuracy and maintenance. The system is subject to changes which could affect the accuracy and performance of all GPS equipment.

Camera Database

For database updates and registration, visit www.whistlerupdates.com
The RLC-250 is shipped with the Verilight™ camera database (Red Light and Speed cameras) preloaded. This unit can be updated with the latest database anytime by connecting to a PC. In order to update the unit, you will need to download the Software

GPS/CAMERA INFO

program from Whistler's website first. You must also register the unit before any updates can be downloaded.
A mini USB cable will be required to connect the RLC-250 to a PC.
Free updates will be available for up to 1 year from the date of registration and software installation (other models may have a longer update time). After 1 year, updates can be purchased.

NOTE: Software program's instructions will be included with the download.

Software Information
IMPORTANT: Please read the Software Agreement notice enclosed with the unit!

Mounting Guidelines
- *Unit needs a clear view of the sky above.*
- *Some windshields have an Instaclear™ or Electriclear™ type coating, which can affect GPS signals. Consult your vehicle's dealer or the owner's manual supplied with your vehicle to determine if your windshield has this coating.*
- *To reduce the possibility of theft, conceal your unit when not in use.*

INSTALLATION

Dash Mounting
The unit can be installed one of two ways: 1) using the Magnetic Dash Disk or 2) non-skid dash pad.
Magnetic Dash Disk Installation:
- *Select a location on the dash or center console (remember the unit needs to be able to "see" the sky).*
- *Clean the selected area with an isopropyl pad to clean off any wax or polish. This will prepare the area for the adhesive to properly adhere.*
- *Locate the bottom of the Magnetic Dash Disk and peel off the protective backing to expose the adhesive.*
- *Carefully place the Magnetic Dash Disk onto the selected area and press firmly to let the adhesive set.*
- *Place the unit onto the Magnetic Dash Disk.*

INSTALLATION

Non-Skid Pad Installation:
- *Select a location on the dash or center console (remember the unit needs to be able to "see" the sky).*
- *Clean the selected area with an isopropyl pad to clean off any wax or polish.*
- *Remove the Non-Skid Pad from its packaging.*
- *Place the Non-Skid Pad onto this area.*

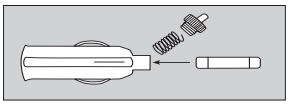
Power Connection
To power the unit:
- *Plug the small end of the power cord into the unit's power jack.*
- *Plug the large end into the vehicle's cigarette lighter or 12 volt outlet.*

To Install the remote battery:
- *Remove battery from its bag.*
- *View the remote from the backside and slide the release tab to the right and open the battery tray.*
- *Insert battery into the tray with the "+" facing up and close the battery tray.*

Fuse Replacement
The lighter socket plug is equipped with a replaceable, 2 amp, 3AG fuse located behind the silver tip. To replace the fuse, carefully unscrew the tip of the plug.

INSTALLATION

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. Retighten the screw cap occasionally, it may loosen during use.



Unscrew the tip of the lighter socket plug carefully when replacing the 2 amp fuse.

Power On and Self Test

Each time your RLC-250 is turned on, an automatic self-test sequence confirms that the speaker and visual displays are functional. The display shows:

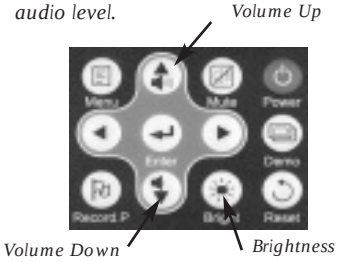
To power the unit on or off, turn the on/off switch located on the side of the unit or press the power button on the remote.

OPERATION

Audio Level Adjustment

To change the audio level:

- *Press the Volume Up button to increase audio level.*
- *Press the Volume Down button to decrease audio level.*



Screen Brightness Adjustment

To change the 3 levels of brightness:

- *Press the Brightness button to open the brightness menu.*

OPERATION

- *Use the Vol Up or Down buttons to select brightness level.*
- *Press enter when finished.*

Getting a Satellite Lock

Powering up, the unit will begin its search for satellites. During this time, the PW LED is red. 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 miles from when the unit last received a satellite lock.

NOTE: The unit locks onto satellites faster when not moving. Acquiring satellites takes much longer the first time.

When a Satellite lock is established, the PW LED turns green and the display shows:

The default units are MPH and Yards. Optionally, KPH and Meters can be selected.

OPERATION

Feature Settings

This section explains the many features of this model and how to select them in the menu. The unit stores Max Speed, Elapsed Time, and total mileage (odo) until unit is powered off. Press either the right arrow or the left arrow to scroll through the 4 available information screens.

The four screens are:

- *Displays elapsed trip time.*
- *Displays the max speed.*
- *Displays trip mileage.*
- *Displays number of stored user positions.*

Change settings

Press the menu button to enter the feature selection mode. Press either scroll button to advance to the next feature. Repeated presses of scroll button will cycle through all the available features.

OPERATION

Some features are informational only, others have multiple options.

The following steps outline the options available for select features.

1) *Press the Menu button*
2) *Press either scroll button until the desired selectable feature is displayed.*
3) *Press either Vol Up or Vol Down button to select an option.*
4) *Press Enter to save the option shown.*

Options:

Selects what is shown in the main display until the unit alerts.
Standard = speed, heading,date and time
Date and Time = displays only date and time
Location = current coordinates

Shows the elapsed time since the unit was powered off as well as the last entry.

OPERATION

KMH = Metric measurements - distance in meters

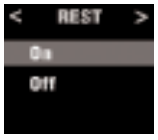
MPH = Standard measurements - distance in yards

Select the speed warning threshold. Change the speed that the unit will announce "Attention, reduce speed now".

Select the proper time (GMT). North America is generally a minus (-) number.

Atlantic = -04 *East = -05*
Central = -06 *Mountain = -07*
Pacific = -08 *Alaska = -09*
Hawaii = -10

Select "top of the hour" announcement. When the time reaches a new hour, the unit will announce; "GPS time check – 6 o'clock" for example.



Select Stay Alert warning. After 2 hours of movement a "get rest" announcement will be heard

OPERATION

Camera Alerts

When a camera location is approached, the unit will announce the type of alert (Red Light Camera, Speed Camera, or User Selected), for example, "Caution, red light camera detected" and the display counts down the distance to the camera.

Display will "count down" the distance to the camera

Two alert LEDs on either side of the display (WR LEDs) will flash faster as you get closer to the camera.

OPERATION

WR LEDs will flash when a stored location is detected.

Once past the camera location, the unit will provide an "all clear" beep-beep type audio tone.

IMPORTANT:
The RLC-250 is a red light/speed camera locator and does not detect laser or radar signals!

Manual Entry

The RLC-250 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 100 user locations. NOTE: Manual entries must be approximately 100 yards apart to prevent overlapping locations.

To manually enter a location, simply press the Record. P button and the unit will announce "user point logged".

OPERATION

Manually enter a location

Clear or reset features

The unit will announce "warning, user position ahead" the next time it approaches this location.

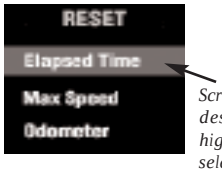
Display will "count down" the distance to the location entered

Resetting/Clearing Features

To reset saved features:

1) *Press the Reset button on the remote.*
2) *Using the Vol Up or Vol Down buttons, scroll to the feature to reset/clear.*
3) *Press Enter to clear the selected feature.*

OPERATION



Scroll the list to the desired feature. The highlighted feature is selected.

If Enter is not pressed within 5 seconds the feature is saved and the mode is exited.

Using the Remote Control

The remote control packaged with the RLC-250 transmits via Infrared (IR), the same as most TV remote controls. The transmit range is approximately 4 feet.

The remote control is already programmed into the unit so no additional programming is necessary.

If lost or damaged, a replacement remote control can be ordered from Whistler. See page 26 to order a remote.

The remote control utilizes a common coin cell battery, CR 2025 which is available at most retail outlets. This battery's life is similar to other remote controls.

TROUBLESHOOTING GUIDE

The RLC-250 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 Whistler 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: Audio alerts are not loud enough. *Check audio level setting (see pg.9).*

PROBLEM: Unit resets 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 Whistler.*

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

CARE & MAINTENANCE

During the summer months, avoid prolonged exposure to direct sunlight by removing your unit from the dash when your vehicle is parked for an extended period of time. Do not spray water, cleaners, or polishes directly onto the unit. The spray may penetrate through the openings and damage the unit. Also, do not use any abrasive cleaners on the units exterior.

FCC INFORMATION

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- *Reorient or relocate the receiving antenna.*
- *Increase the separation between the equipment and receiver.*

IMPORTANT: *FCC requirements state that changes or modifications not expressly approved by The Whistler Group 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 year 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 has been removed, or if the serial number is missing.

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 year. Whistler is not liable for damages arising from the use, misuse, or operation of this product.

Service Out of Warranty

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

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

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 dated store receipt will be handled as described in section "Service Out Of Warranty."

Due to the specialized equipment necessary for testing this product, there are no authorized service stations for Whistler products 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.
551 N. 13th St.
Rogers, AR. 72756

Please allow 3 weeks turn around 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!

WARRANTY INFORMATION

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

- *Your name and street address (for shipping via UPS), a daytime telephone number and an e-mail address, if applicable.*
- *A detailed description of the problem (e.g.,"Unit only flashes bars").*
- *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 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 have registered your unit 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 (Continued)

The minimum out of warranty service fee for your Whistler product is $65.00 (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 $65.00. 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 $65.00 service fee, you will be contacted by a Whistler technical service specialist who will outline options available to you. If you elect not to have your unit repaired, it will be returned to you along with your certified check or money order.

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

www.whistlergroup.com

SPECIFICATIONS

Integrated GPS Receiver:
50 channel, L1 frequency, C/A code

Sensitivity:
Tracking :-160dBm
Acquisition & Reacquisition : -160dBm
Cold starts :-144dBm

Acquisition Time:
Reacquisition : <1 sec.
Hot start : <1 sec.
Warm start : 29 sec.
Cold start : 29 sec.

Accuracy:
Position :2.5m CEP, DGPS/SBAS : 2.0m CEP
Velocity: 0.1 m/s
CEP = circular error probability
DGPS = differential GPS
SBAS = space based augmentation system

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

Power Requirements:
Operational 12 to 15 volts DC, 250mA nominal

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 visit our online store at www.whistlergroup.com

Order #	Description	Price
500501	Zipped Travel Case	$ 9.95
206552	Straight Power Cord (5')	$14.95
206553	Coiled Power Cord (7')	$15.95
206880	Hardwire Kit (10') (for wiring to fuse box)	$ 9.95
300114	Non Skid Dash Pad	$ 6.95
300117	USB cable	$ 5.95
300115	Magnetic Dash Disk	$ 5.95
300251	Remote Control	$14.95

Shipping and handling (per order) $5.00 Prices are subject to change without notice.