OWNER'S MANUAL

RLC-100

Red Light/ Speed Camera DETECTOR

The Whistler Group Corporate Headquarters
3604 NW Frontage Rd. ▪ Bentonville, AR 72712
Tel 479.273.6012 ▪ Fax 479.273.2927

Whistler Customer Return Center
551 N. 13th St. ▪ Rogers, AR 72756
Customer Service Tel 800.531.0004

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.

INTRODUCTION

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
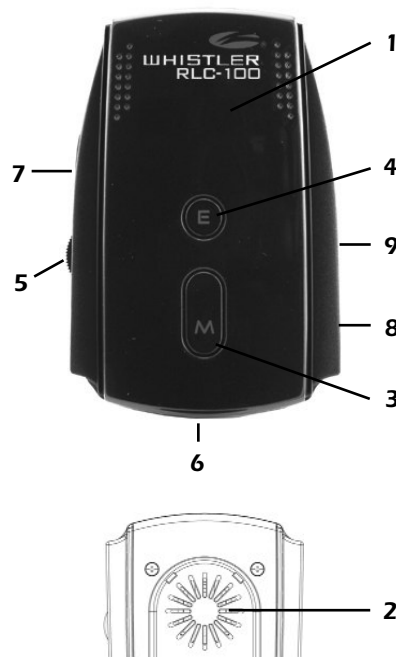
Enjoy your Whistler and please drive safely.

Sincerely,

The Whistler Group, Inc.

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IMPORTANT: The RLC-100 is a red light/speed camera locator and does not detect laser or radar signals.

RLC-100 FEATURES

FEATURE DESCRIPTIONS

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. **Menu (M) Button -** Allows changing the unit's options and settings.
4. **Enter (E) Button-** Selects the changed feature setting.
5. **Volume Control –** Adjusts audio level.
6. **7 Segment Display -** Offers easy-to-read display to indicate time, speed, and distance to camera.
7. **USB Port-** For connection to a PC for updates.
8. **12 Volt Out Jack -** Provides 12 volt 1.5 amp output to power other devices.
9. **Power Jack -** allows connection to the power cable.

GPS/CAMERA INFO

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 Veri-Light database was developed to give you accurate data to **approved camera locations.**

You may note from time to time that a camera may not be present at the location of the alert. This is normal at the camera installation may have been postponed, however the location is approved for use by the local city or town.

The RLC-100 can be updated with the latest database anytime. In order to update the unit, you will need to download the Software program from Whistler's website first. You must

INSTALLATION

also register the unit before any updates can be downloaded.

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 Puck or 2) non-skid dash pad.

Magnetic Puck 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 stick.
- Locate the bottom of the Magnetic Puck and peel off the protective backing to expose the adhesive.
- Carefully place the Magnetic Puck onto the selected area and press firmly to let the adhesive set.
- Place the unit onto the Magnetic Puck.
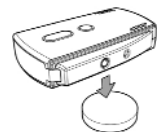
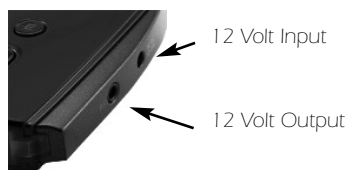# INSTALLATION

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 waxes or polishes.
- Remove the Non-Skid Pad from its packaging.
- Place the Non-Skid Pad onto this area.

Power Connection
The RLC-100 includes two power jacks. One jack is for powering the unit and the other to share power with another 12 volt device such as a radar detector.

12 Volt Input

12 Volt Output

We offer a power cord to connect to a majority of Laser-Radar detectors. See the accessories section for ordering this cord.

INSTALLATION

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.

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

IMPORTANT: Unscrew slowly. The tip contains a spring which may fly out when disassembling. Insert the new fuse with the spring and screw on the tip. Retighten the screw cap occasionally, it may loosen during use.
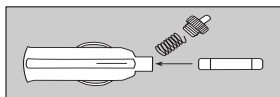
Unscrew the tip of the lighter socket plug carefully when replacing the 2 amp fuse.

OPERATION

Power On and Self Test
Each time your RLC-100 is turned on, an automatic self-test sequence confirms that the speaker and visual displays are functional. The display shows:

H HE HEL HELL HELLO

To turn the unit on or off, press the on/off button located on the power cord.

Audio Level Adjustment
To change the audio level:
- Move Volume button back to increase audio level.
- Move Volume button forward to decrease audio level.

Volume control:

Move in the direction of arrow to increase audio

OPERATION

Getting a Satellite Lock

Powering up, the unit will begin its search for satellites. During this time, the unit will flash the middle segments of 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 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.*

The unit displays either time or speed.

Clock: **10:10**   *(Displays when not moving)*

Speed: **65**   *(Displays while moving)*

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.

brt - *Select Bright or Dim display setting.*

dAtE - *Displays the Month and Day. This is set by the GPS and the local setting to provide the correct date.*

HSPd - *Displays the Max Speed.*

ELAP - *Displays elapsed trip time.*

OdO - *Displays trip mileage.*

SPd - *Select MPH or KPH. Switches from Standard to Metric units.*

LSPd - *Select the speed warning threshold. Change the speed that the unit will announce "Attention reduce speed now".*

LOCA - *Selects 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.	

OPERATION

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

rESt - *Selects Stay Alert warning. After 2 hours of movement a "get rest" announcement will be heard.*

rAdi - *Selects the alarm radius: 600/400/200*

tESt - *Turns off the "Fasten Seatbelts" message.*

ArSt - *Resets all menu settings back to factory defaults.*

Change settings

Press the menu button (M) to enter the feature selection mode. Press Menu again to advance to the next feature. Repeated presses of Menu button will cycle through all the available features.

Some features are informational only, others have multiple options.

OPERATION

The following steps outline the options available for select features.

1) Press Menu (M) until a feature is displayed.
2) Press Enter (E) to show one option.
3) Press M to view all options.
4) Press E to save the option shown.

Press M until unit shows:	To change setting:	Options Press M to enter selection:
BRT	Press E	**ON, OFF**
SPD	Press E	**SP 1, SP 2**
LSPD	Press E	**L80, L90, L100, OFF, L30, L40 L50, L60, L70**
LOCA	Press E	**-08, -07, -06** etc
ALAR	Press E	**ON, OFF**
REST	Press E	**ON, OFF**
RADI	Press E	**600, 400, 200**
TEST	Press E	**ON, OFF**

NOTE:
BRT = Select display brightness
SPD = SP 1= MPH/Yards, SP 2 = KPH/Meters
LSPD = Select the speed that the unit will alarm
LOCA = Select the correct time- correction for your
           area

OPERATION

ALAR = Select the "Top of the Hour" alert
REST = Select stay alert
RADI = Selects alarm distance
TEST = Turns off greeting voice

Camera Alerts

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

$$-462 \quad -321 \quad -245 \quad -105$$

Two alert LEDs on either side of the display will flash faster as you get closer to the camera. Once past the camera location, the unit will provide an "all clear" beep-beep type audio tone.

IMPORTANT: The RLC-100 is a red light/speed camera locator and does not detect laser or radar signals.

OPERATION

Manual Entry

The RLC-100 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 Enter (E) and the unit will announce "user point logged".

Press the Enter (E) button to save a new location.

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

To delete manual locations:
When the unit is alerting a manual location, press Enter (E) and unit will announce "user position deleted".

OPERATION

To delete all manual locations:

1) When the unit is alerting a manual location, press and hold Enter for more than 2 seconds. The unit announces "user position deleted" and displays "**ADEL**" . Press Enter again to delete all manual locations.

If Enter is not pressed within 5 seconds after "**ADEL**" is shown, the locations are saved and the mode is exited.

TROUBLESHOOTING GUIDE

Your unit 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.10)*.

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 the factory.*

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 unit's 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. COD's 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 $40.00 (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 $40.00. 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 $40.00 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 unit, 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 = **c**ircular **e**rror **p**robability
DGPS = **d**ifferential **GPS**
SBAS = **s**pace **b**ased **a**ugmentation **s**ystem

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

Power Requirements:
Input: Operational 12 to 15 volts DC, 250mA nominal
Output: 12 volt 1.5 amp limit.

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	Zippered Travel Case	$ 9.95
300112	Straight Power Cord (5') w/on-off switch	$14.95
206880	Hardwire Kit (10') (for wiring to fuse box)	$ 9.95
300114	Non Skid Dash Pad	$ 6.95
RLIC50	Interface Cable	$ 12.95
RLIC11	Interface Cable for detectors with phone style jacks	$12.95
300117	USB cable	$ 5.95
300115	Magnetic Puck	$ 5.95

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