



Model SLR 650G

Operating Instructions

Supercharged Long-Range Radar/Laser/Camera Detector

NOTE: This device complies with part 15 of 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.

CAUTION: Modifications or parts not approved by Cobra Electronics Corporation may violate FCC Rules and void authority to operate this equipment.

Thank you for purchasing Cobra® Vedetta™ Series, Model SLR 650G Radar/Laser/Camera Detector. Please familiarize yourself with the capabilities your new detector can provide by reading this manual. Also, please be careful when using your new detector while driving.

Powering Unit On/Off & Mounting Unit

Plug in the detector using the included cigarette lighter power cord. Press the **Power** button momentarily to turn the unit **On** (or **Off**).

Note: To change display orientation, press and hold the **Power** button for 2 seconds.

a. Windshield Mount



Lift lever on suction cup base before attaching to the windshield. Once attached, push against windshield and lock the lever down. Use the ball-joint adjustment and make sure the detector unit is aligned level and pointing straight ahead. The display can be in flip-up or flip-down position to suit preferred mounting location, and rotated to face directly toward you. Renew suction cup with a damp cloth or by rinsing under tap water.

b. Dash Mounting

For dash mounting, use the enclosed hook & loop fastener with double-sided tape. Simply attach it to the bottom of the unit with display in flip-up position.

Touch-Point Controls

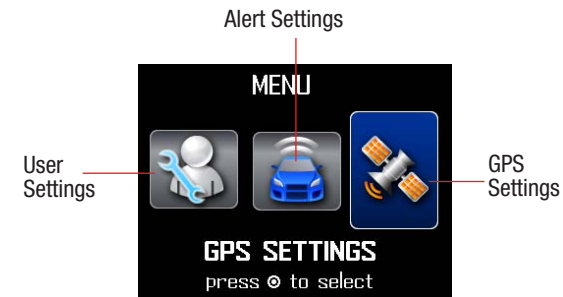


Appropriate touch-point icons will light up automatically to show you available options. Touch the touch-point icons to activate corresponding function.

Touching **Volume** touch-point while receiving an alert will mute the audible alert. Touching **Display Brightness** touch-point will turn off the display.

Types of Screens

1. Menu/Settings Screen



User Settings:

For customizing settings for IntelliMute, Auto Mute, Voice/Tone Alerts, Color Themes, Smart Power and Reset to Factory Default.

Alert Settings:

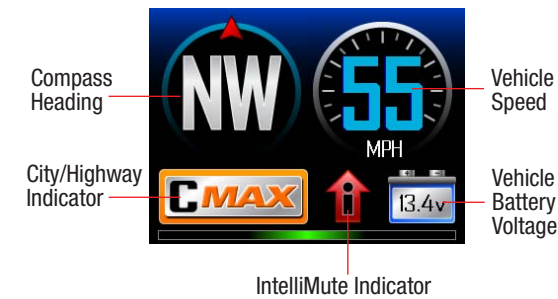
For customizing settings to turn on/off certain individual radar bands and Low Car Battery Warning.

GPS Settings:

For customizing settings for Speed Format, User-set Speed Alert, turn on/off certain individual Location-based Alerts, IntelliScope, AURA Database Info, and Delete User LBAs. Navigate through **Settings** using the **<** **>** scroll touch-point.

Press **Select** touch-point to confirm and **Menu** touch-point to save and exit.

2. Standby Screen



Compass Heading:

Automatically displays GPS-based heading. If a GPS signal cannot be received **--** will be displayed.

Vehicle Speed:

Automatically displays your current vehicle speed using GPS. If a GPS signal cannot be received **--** will be displayed.

City/Highway Indicator:

Shows current filtering mode.

Vehicle Battery Voltage:

Displays your car battery voltage and automatically warns you if this drops below 11.9V.

IntelliMute Indicator:

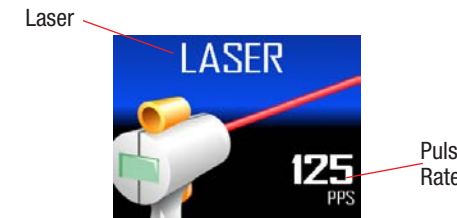
See reverse of this manual.

3. Radar/Laser Alert Screen


Radar bands consist of X-band, K-band, Ka-band, and Ku-band. With Radar signals, the signal strength meter shows signal strength of the radar gun as well as relative proximity to the source. With Ka-band, you will also be notified of the actual Ka-band radar gun frequency being used.





With Laser signals, you will always receive full alert and pulse rate (PPS) of the corresponding laser gun being used. Laser PPS currently in use are: 100, 125, 130, 200, 238 and 340.







4. Location-based Alert Screen

In order to save a User Location in the detector's memory, simply press and hold the **MENU**  touch point for 2 seconds, then select the type you want to use.

In order to delete a **User Location** that you've programmed, during that alert press and hold the **MENU**  touch point for 2 seconds and then press **Select**  to confirm. You can delete all **User Locations** from the GPS Menu.



Size of the icons for different alert types will become progressively larger as you approach the Location-based Alerts (LBA) Area. The alert types are:





-  Photo-enforced Areas (Red-light & Speed Cameras)
-  Known Speed Trap Areas
-  Caution Areas (High Accident Areas)
-  User Location Areas

Note: If both a radar and Location-based alerts happen at the same time, both will be displayed side by side.

Quad-level IntelliShield™ False Signal Rejection

Highway Mode provides full immediate response to all signals detected. Use this mode when you are driving on interstate highways.




Automatic door openers operate in X and K-band frequencies. To minimize unwanted false alerts in an urban environment where these sources exist, use one of the City Filtering Modes below:

- **City X:** automatically mutes X-band audible alert until signal strength reaches level 3 or above. 
- **City X+K:** combined with City X, automatically mutes K-band audible alert until signal strength reaches level 2 or above. 
- **City Plus X+K+Ka:** combined with City X+K, automatically mutes Ka-band audible alert until signal strength reaches level 2 or above. 
- **City MAX:** Maximum filtering against urban false signal sources. 

To choose between different City Filtering Modes vs Highway Mode, touch **City/Highway Touch-point Icon** next to the display and follow on-screen instructions.

IntelliMute™

IntelliMute allows you to avoid audible alerts you don't need to hear because you are stopped or moving slowly. By sensing the RPMs of your engine, IntelliMute knows when you are at low speed and automatically mutes alerts. You can set your preferred engine RPM activation point and/or turn on/off IntelliMute by following simple steps that appear on your unit screen, under User Settings and then IntelliMute.

- IntelliMute Engine RPM Activation Point Not Set. 
- IntelliMute On/Above Set Engine RPM Activation Point. 
- IntelliMute On/Below Set Engine RPM Activation Point. 

Note: IntelliMute may not work with some vehicles, especially hybrids or EVs because the detector cannot sense the engine RPMs. In such case, Quad-level IntelliShield City Filtering or Auto Mute can help reduce unwanted audible alerts.

IntelliScope™

In conjunction with detection of a Location-based Alert (LBA), when IntelliScope is turned on, it will also provide you with the direction/arrow pointing towards that LBA location.

Follow simple on-screen instructions under GPS Settings and then IntelliScope.

When IntelliScope is turned off, you will only get those alerts that you are approaching directly towards.

Speed Alert

When a speed is set, and you exceed that speed, you will hear a chime and the speed displayed will change color. Set this in the GPS Settings Menu. Use the scroll arrows to change the speed.

Updating you AURA™ Database

To update the AURA red-light/speed camera and known speed traps database for the first time, go to **AURA.cobra.com** and follow the online instructions.

For additional information, please visit: **www.cobra.com**

Product and Customer Service

For any questions about operating or installing this new Cobra product, or if parts are missing... **PLEASE CALL COBRA FIRST...** do not return this product to the store. See customer assistance below.

If this product should require factory service, please call Cobra before sending the product. This will ensure the fastest turn-around time on any repair. If Cobra asks that the product be sent to its factory, the following must be furnished to have the product serviced and returned:

1. For Warranty Repair include some form of proof-of-purchase, such as a mechanical reproduction or carbon of a sales receipt. Make sure the date of purchase and product model number are clearly readable. If the originals are sent, they cannot be returned;
2. Send the entire product;
3. Enclose a description of what is happening with the product. Include a typed or clearly printed name and address of where the product is to be returned, with phone number (required for shipment);
4. Pack product securely to prevent damage in transit. If possible, use the original packing material;
5. Ship prepaid and insured by way of a traceable carrier such as United Parcel Service (UPS) or Priority Mail to avoid loss in transit to: Cobra Factory Service, Cobra Electronics Corporation, 6500 West Cortland Street, Chicago, Illinois 60707 U.S.A.;
6. If the product is in warranty, upon receipt of the product it will either be repaired or exchanged depending on the model. Please allow approximately 3 - 4 weeks before contacting Cobra for status. If the product is out of warranty, a letter will automatically be sent with information as to the repair charge or replacement charge.

For any questions, please call 773-889-3087 for assistance.

Should you encounter any problems with this product, or not understand its many features, please refer to this owner's manual. If you require further assistance after reading this manual, Cobra Electronics offers the following customer assistance services:

For Assistance in the U.S.A.

Automated Help Desk English only. 24 hours a day, 7 days a week 773-889-3087 (phone).

Customer Assistance Operators English and Spanish. 8:00 a.m. to 5:30 p.m. Central Time Mon. through Fri. (except holidays) 773-889-3087 (phone).

Questions English and Spanish. Faxes can be received at 773-622-2269 (fax).

Technical Assistance English only. www.cobra.com (on-line: Frequently Asked Questions).

English and Spanish. product info@cobra.com (e-mail).

For Assistance Outside the U.S.A. Contact Your Local Dealer

Limited 1-Year Warranty

For Products Purchased in the U.S.A.

Cobra Electronics Corporation warrants that its Cobra Radar/Laser Detectors, and the component parts thereof, will be free of defects in workmanship and materials for a period of one year from the date of first consumer purchase. This warranty may be enforced by the first consumer purchaser, provided that the product is utilized within the U.S.A.

Cobra will, without charge, repair or replace, at its option, defective Radar/Laser Detectors, products or component parts upon delivery to the Cobra Factory Service Department, accompanied by proof of the date of first consumer purchase, such as a duplicated copy of a sales receipt.

You must pay any initial shipping charges required to ship the product for warranty service, but the return charges will be at Cobra's expense, if the product is repaired or replaced under warranty.

This warranty gives you specific rights, and you may also have other rights which vary from state to state.

Exclusions: This limited warranty does not apply:

1. To any product damaged by accident.
2. In the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs.
3. If the serial number has been altered, defaced or removed.
4. If the owner of the product resides outside the U.S.A.

All implied warranties, including warranties of merchantability and fitness for a particular purpose are limited in duration to the length of this warranty.

Cobra shall not be liable for any incidental, consequential or other damages; including, without limitation, damages resulting from loss of use or cost of installation. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you.

Trademark Acknowledgment

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Cobra Electronics Corporation™, AURA™, IntelliScope™, IntelliView™ and Voice Alert™ are trademarks of Cobra Electronics Corporation, USA.