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# DSP 9200BT Radar/Laser/Camera Detector Operating Instructions

**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.  
This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.  
Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

US Pat. Nos. 6078279, 8842004, 8970422 and other US Patents Pending

Thank you for purchasing Cobra's new digital ultra-performance radar/laser/camera detector.

**Small Size. Big Performance.**  
The ultimate long-range detection platform packed into the industry's smallest design. Detects all radar/laser guns and cameras.\*

**Revolutionary Accuracy**  
Reduces the uncertainty and frustration of false alerts with Digital Signal Processing (DSP) technology, the next level of accurate radar detection. DSP digitizes radar signals and compares them to known radar gun signatures to determine whether or not to sound an alert.

**The Power of Community**  
Let the free Cobra iRadar® app and community-based detection lead the way. iRadar gives real-time alerts to upcoming Speed & Red Light Cameras, Live Police Activity, Radar & Laser Guns and Caution Areas reported by other iRadar users\*.

**Stay One Step Ahead**  
Cobra's powerful servers and complex algorithms take massive amounts of historical user data and distill it into a threat level for your vehicle. This detector's display will change color matching the severity and urgency of the threat level to keep you one step ahead\*.

**Just What You Want to Hear**  
A suite of several Cobra technologies help to further eliminate unwanted and false alerts. These include: SpeedMute™\*, Auto Mute Mode, QuietDrive™ Mode, AutoCity™\*, CAS Immunity and TFS rejection.

\*GPS and iRadar-based features require connection to a Bluetooth® Smart ready device and the Cobra iRadar app. For a full list of Bluetooth® Smart ready devices visit [www.bluetooth.com](http://www.bluetooth.com)

## Controls and Connections



- Power/Volume Button**
  - Press and Hold to turn the power On and Off.
  - Press to adjust the volume.
- Dim/ < Button**
  - Adjusts the display brightness.
  - In Menu mode, steps backward through menu options.
- Mute/Down Button**
  - While alerting, press once to manually mute audio alerts.
  - In Standby and connected to the app, press once to toggle between available standby screens.
- City/ > Button**
  - Switches between Highway and City filtering modes.
  - In Menu mode, steps forward through menu options.

**Bluetooth SMART**  
\*GPS and iRadar-based features require connection to a Bluetooth® Smart ready device and the Cobra iRadar app. For a full list of Bluetooth® Smart ready devices visit [www.bluetooth.com](http://www.bluetooth.com)



**Mounting**  
Your detector should be mounted on the windshield or dashboard of your vehicle. Three mounting options are included:

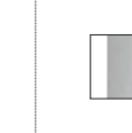
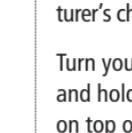
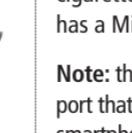
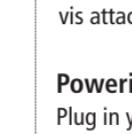
**Suction Cup Mount** – This is the best option for portability and moving the detector from car to car. Make sure to thoroughly clean the suction cups and windshield mounting area to insure a tight seal.

**Dual Lock® Mount** – This mount is discreet and very solid for a permanent mounting location. Make sure the adhesive side of the included Dual Lock is securely fastened to the windshield before adding the weight of the detector to it.

**Hook and Loop Fastener**– Included for dashboard mounting.

Your detector should be mounted so that it is oriented parallel to the road. The suction cup mount comes standard bent at a 45° angle and Dual Lock® at 30° angle.

The metal is designed to bend without breaking. Adjust the angle so when mounted the detector is level with the road.



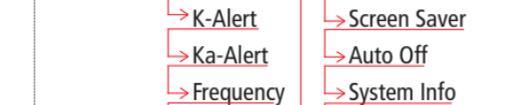
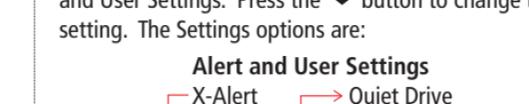
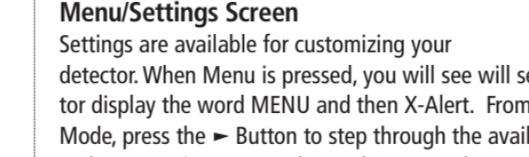
Avoid blocking the detector's view by windshield wiper blades or dark tinting at the top of the windshield.

**Note:** Do not attempt to bend the mount while the detector vis attached.

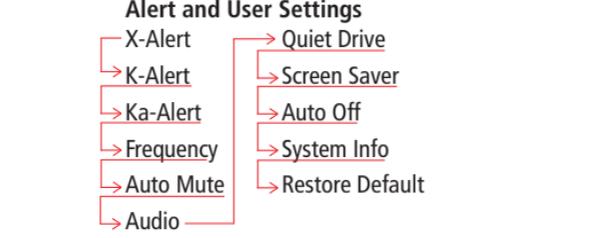
**Powering**  
Plug in your detector using the included cigarette lighter adapter. This adapter has a Mini-USB 5V output.

**Note:** the adapter includes a Type-A USB port that can be used to charge your smartphone or tablet using the manufacturer's charging cable.

Turn your detector On/Off by pressing and holding the **Power/Volume** button on top of the unit.



**Menu/Settings Screen**  
Settings are available for customizing your detector. When Menu is pressed, you will see will see the detector display the word MENU and then X-Alert. From this Menu Mode, press the > Button to step through the available Alert and User Settings. Press the < button to change the selected setting. The Settings options are:



**Standby Screens**  
The Standby Screen is the normal screen you will see while driving when not detecting and alerting to a Radar, Laser or Location Based Alert. The screen will vary a little from what's seen below based on the options and features turned On and Off or the operating modes selected.

No connection to phone. City Max filter mode selected.



**Note:** Pressing the Mute / < Button when Connected will toggle between these two screens.

**Alert Screens and Settings**  
Radar bands consist of X-band, K-band, and Ka-band. With Radar signals, the signal strength meter shows signal strength of the radar gun giving the relative proximity to the source.

The Settings Menu allows turning these bands On and Off. In addition, this detector has three modes for displaying these radar band alerts. Frequency Display Mode On, Off, and Advanced can be selected from the Settings Menu. The default is Off, but Cobra would recommend switching to Advanced after reading this manual and understanding the alerts graphics on the following page.

**Color Coded Threat Areas\***  
When connected to the Cobra iRadar app, the color of the Radar Band, Laser or Location Based Alerts and Standby Screens will change. The color indicates the threat level for the area your vehicle is located. The threat level is calculated by Cobra's powerful servers and displayed on your smart phone and the detector.  
**White= Not Connected, Blue= Low Threat Level, Orange= Medium Threat Area, Red= High Threat Area.**

Band	Frequency of Guns
X	10.525
K	24.150
Ka	33.800
	34.300
	34.700
	34.950
	35.500

\*GPS and iRadar-based features require connection to a Bluetooth® Smart ready device and the Cobra iRadar app. For a full list of Bluetooth® Smart ready devices visit [www.bluetooth.com](http://www.bluetooth.com)

**Radar Alerts**  
**Frequency Display Mode Off**  
This is the basic alert mode. It shows the radar alert band and signal strength.

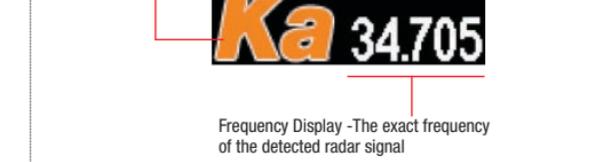
**Ka Band Alert- Red color indicates detector is connected to the App and in a high threat area.**



**Signal Strength- Level 1= Weakest Signal Level 5= Strongest Signal**

**Frequency Display Mode On**  
This is a more advanced mode. The exact frequency of the detected radar signal will also be shown.

**Ka band Alert-Orange color indicates detector is connected to the App and in a medium threat area.**



**Frequency Display -The exact frequency of the detected radar signal**

**Frequency Display Mode Advanced**  
This is a new advanced and very useful mode. A graph is shown with the detected radar frequency and where it falls in relation to the center frequency of the closest radar gun. The closer the signal strength bar is to the center of the display the more likely it's a high priority real alert.

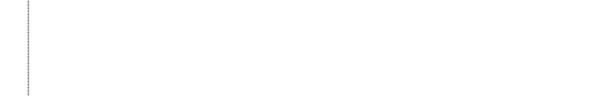


**Ka Band Alert. White color indicates not connected to the app.**

**Height and color of bar shows signal strength. Proximity to the center shows likely real alert.**

**Laser Alert Screens**  
With Laser signals, you will always receive full alert. The word LASER will be shown on the display. The color of the word LASER indicates the iRadar threat area level. When connected to the Cobra iRadar app, the LaserRelay™ feature will be activated. Laser alerts will be simultaneously relayed to other users of a detector with iRadar functionality.

**Red color indicates connected and high threat area.**

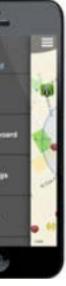


**AURA® Location-based Alerts (LBAs) and iRadar Community**  
Your detector is capable of providing you with LBAs and iRadar Community threat sharing data when connected to iPhone or Android phones. The detector uses the GPS in your smartphone to connect to and obtain the latest LBA's and alert you to them. Vehicle speed and compass headings use your phone's GPS as well. See the section on Downloading the App to add these features and more.

**Downloading the App**  
For optimal performance and access to all this detectors advanced features, you should download the iRadar app and use it when you drive with this detector. To download the app you must enter the iTunes Store or Google Play and search for "Cobra iRadar". Follow the onscreen instructions to **Cobra iRadar® App**  
The iRadar app separates Cobra from any other detectors out there.

Make sure to check out the Tutorial for a full explanation of app features. The Tutorial can be accessed from the Menu.

Information on specific settings and explanations of radar bands can be found by pressing the green info icons in the settings menus. The iRadar app can also be used to change and easily adjust the detectors settings!



## Pairing/Connecting with Your Detector

GPS and iRadar-based features require connection to a **Bluetooth**® Smart ready device and the Cobra iRadar app. For a full list of **Bluetooth**® Smart ready devices visit [www.bluetooth.com](http://www.bluetooth.com)

**Please note**, this is the newer **Bluetooth**® Smart technology and pairing is not always done in the same manner and menus as conventional **Bluetooth**. This detector will NOT APPEAR in the **Bluetooth** Settings menu of your iPhone®.

### For iPhone® 4S and later with Bluetooth® Smart:

- Power on the detector. If not connected, it will be in the Pairing Mode automatically.
- Make sure your iPhone **Bluetooth** is turned On
- Start the Cobra iRadar application. Press the Menu icon in the upper left corner of the app and select Devices. Follow the onscreen instructions to complete the pairing and connection.
- When complete, you will see "CONNECTING" appear on the detector screen.

### For Android™ :

- Power on the detector. If not connected, it will be in the Pairing Mode automatically.
- Make sure the your Android™ device's **Bluetooth** is turned On and go to the **Bluetooth** Settings Menu. For most devices this can be found by pressing; Settings > **Bluetooth**.
- Press Scan for Devices and/or wait for the device list to populate and then select iRadar. Pairing can take up to 30 seconds.
- The phone might show "Paired but not connected" in this menu. That's OK as the connection will be completed after opening the iRadar App.

For more information on pairing with **Bluetooth** devices consult your phone's owners manual.

If you are having trouble initializing or maintaining your **Bluetooth** connection completely turn off your smartphone and detector device, wait 30 seconds, and then turn them back on.

## iRadar Community

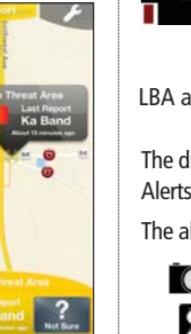
When you, or any other iRadar user, detects a radar or laser signal the alert information is anonymously sent to Cobra's cloud servers. Within seconds, that information is processed and displayed on your map as part of a Threat Area.

As you approach a specific Threat Area you will hear a short beep and then the app will indicate the Cobra's assessment of the reliability of the threat.

High-Threat Area means multiple reports have confirmed a legitimate threat in the area recently.

Medium or Low-Threat Area means signals have been detected but have either not been confirmed or have not been reported lately.

Paying attention to threat areas will allow you to be warned of potential threats before you enter radar detection range. Community Radar/Laser alert sharing means that you have an entire network of users working to keep you and your wallet safe.



## Threat Area Alert **THREAT AREA**

Threat Area alerts will also be displayed on the screen. The Detection Scanner will stop moving and become a solid bar that will blink.

### Using the Report Button

You can report to the iRadar Community when you see an active police speed enforcement by pressing the **MENU** button for 2 seconds.



### Location Based Alerts:

LBA Only:



The distance will count down as you approach the Location-based Alerts (LBA) Area.

The alert types are:



LBAs will start as you approach the actual location. If both a radar and Location-based alerts happen at the same time, both will be displayed side by side.

## Responding to Alerts

Description	Interpretation	Recommended Response
Tone repeats slowly at first, then speeds up rapidly.	Probably police radar.	FULL ALERT
Tone sounds one time only.	Probably a false alarm.	Exercise caution
Tone repeats slowly as you approach a hill or bridge, then speeds up sharply as you reach it.	Probably police radar beyond the hill or bridge.	FULL ALERT
Tone repeats slowly for a short period.	Probably a false alarm.	Exercise caution
Any type of laser alert.	Laser alerts are never false alarms.	FULL ALERT

### Screen Saver

Your detector has a Screen Saver mode. When Screen Saver is turned On (factory default is 3 minutes), the screen will change to Dark from it's Bright, Dim, or Dimmer setting after the time interval selected. While the screen is Dark, a small white dot will move on the screen to indicate the unit is turned On.

**Note:** While Screen Saver is activated, any alert will turn the display back on at the last brightness setting (Bright, Dim or Dimmer). Touching any button will also turn On the display.

## Highway, City, City Max and AutoCity™ Modes:

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:

- Highway:** Maximum long range alerting.



- City:** automatically mutes X-band audible alert until signal strength reaches level 3 or above.



- City MAX:** Maximum filtering against urban false signal sources.



### Illumination

The display illumination intensity can be adjusted to suit driving conditions with three levels and Dark Mode:

- Factory default is **Bright**.
- Use **Dark** mode to blank the screen for discreet use. In this mode, alerts will sound but not show. (A small white dot will move on the screen).

You can adjust the illumination by pressing the **Dim** button repeatedly to step through the levels.



## Auto Off Mode

Your detector includes an Auto Off feature - when turned On, it will turn off the detector after the selected amount of time. The detector will turn off after this time if no alerts are detected and no movement is sensed from the iRadar app. The options are 30, 60, 90 minutes or Off. The default setting for this setting is Off.

**Note:** This feature should only be used if your detectors power switch does not turn off with the vehicle's ignition. In addition, we recommend to only enable this feature if you use the detector with the iRadar app. Using it with the app will prevent unintended shut downs on longer trips.

### Advance App Controlled Functions

This detector is capable of supporting some advanced functions controlled by the iRadar app. They are not in the detectors Settings Menu, and are instead easily adjust and changed in the iRadar App.

#### SpeedMute™

This feature will automatically mute unwanted alerts while driving below a selectable speed setting. This can be turned On and Off and the speed setting adjusted in the iRadar app.

#### AutoCity™

This feature automatically switches between Highway and City modes based on speed and other information from your smartphone. It can be turned On and Off in the app.

**Phone Mode Advanced Audio Routing Over Bluetooth**  
Select "Phone" for Alert Audio in the iRadar app. Managed audio is sent to the vehicles stereo via Bluetooth or wired Aux Input. Alerts can also be sent to a Bluetooth headset.

## Auto Mute Mode

When Auto Mute is On, the audio volume of all alerts is automatically reduced after 4 seconds. The signals will remain muted for as long as the signal is detected. When Auto Mute is Off, the alerts will sound at full volume for as long as the signal is detected. The factory setting for Auto Mute is On.

### Voice or Tone Mode

You can set your detector to sound alerts and confirm menu settings with either a Voice or a Tone Alert. Voice Alert provides voice messages in addition to tones. Tone Alert provides tones only. The factory setting is Voice Alert.

### Quiet Drive™

Quiet Drive is a muted driving mode for times when a driver wants less audible feedback while talking with passengers, on the phone, etc. This mode is Off by default. If switched On, it will turn to Off again after the detector is power cycled. When Quiet Drive is On, the display will Show "QUIET" on the Standby Screen like below.



**Note:** You can also enter Quiet Drive by Pressing and Holding the Mute Button.

For any questions about operating or installing this new Cobra product, **PLEASE CONTACT COBRA FIRST**...do not return this product to the retail store. The contact information for Cobra will vary depending on the country in which you purchased and utilize the product. For the latest contact information, please go to [www.cobra.com/support](http://www.cobra.com/support)

For products purchased in the U.S.A. you may also call 1-773-889-3087.

For Products Purchased in the U.S.A., if your product should require factory service, please go to [www.cobra.com/support](http://www.cobra.com/support) and follow the instructions for returning your product to the Cobra Factory Service Department for service.

### Trademark Acknowledgment

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Android™ is a trademark of Google, Inc. Use of this trademark is subject to Google permission.

Dual Lock® is a registered trademark of 3M Corporation.

## Limited 1-Year Warranty

Cobra Electronics Corporation warrants that this product 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. If the product is under warranty, it will be repaired or exchanged depending on the model as determined at Cobra's sole discretion. Such remedy shall be your sole and exclusive remedy for any breach of warranty.

The procedure for obtaining service and support, and the applicability of this warranty, will vary depending on the country or jurisdiction in which you purchased and utilize the product. For the details on obtaining product service, support and warranty please visit [www.cobra.com/support](http://www.cobra.com/support)

Provided that the product is utilized within the U.S.A.- Cobra will, without charge, repair or replace, at its option, defective 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, to an address in the U.S.A., will be at Cobra's expense, if the product is repaired or replaced under warranty.

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

**Exclusions:** This limited warranty does not apply: 1) To any product damaged by accident; 2) In the event of misuse, ordinary wear, failure to follow directions, or improper maintenance 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 product was purchased or is utilized in a jurisdiction not covered by the limited warranty.

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

## Optional Accessories

You can find quality Cobra products and accessories at your local Cobra dealer, or in the U.S.A., you can order directly from Cobra at [www.cobra.com](http://www.cobra.com)



**Windshield Mounting Bracket**  
Includes suction cups  
Item #545-159-N-001

**Dual Port Power Adapter**  
Includes adjustable plug (up to 90°) and fuse  
Item # CLP-2B

**Install Mount**  
Includes 3M Dual Lock  
Item # 545-002



**Straight Combination Radar USB Cord**  
Includes plug and USB Output  
Item # PWR USB-01

**Premium Carry Case**  
Includes storage for cords and mounts  
Item # CCRD1