Important Information

Federal Laws Governing The Use Of Radar Detectors

It is not against federal law to receive radar transmissions with your Cobra radar/laser detector. The Communications Act of 1924 guarantees your right to receive radio transmissions on any frequency. Local laws that contravene this Act, while illegal, may be enforced by your local law enforcement officials until and unless they are prohibited from doing so by federal court action.

Safety Alert

Use of this product is not intended to, and does not, ensure that motorists or passengers will not be involved in traffic accidents. It is only intended to alert the motorist that an emergency vehicle equipped with a Cobra Safety Alert transmitter is within range as defined by that product. Please call local fire and police departments to learn if coverage exists in your area.

Safe Driving

Motorists, as well as operators of emergency or service vehicles, are expected to exercise all due caution while using this product, and to obey all applicable traffic laws.

Security Of Your Vehicle

Before leaving your vehicle, always remember to conceal your radar detector in order to reduce the possibility of break-in and theft.

Customer 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 6:00 p.m. CT 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. productinfo@cobra.com (e-mail).

For Assistance Outside The U.S.A.

Contact Your Local Dealer

The Cobra line of quality products includes:

CB Radios
microTALK® Radios
Radar/Laser Detectors
Safety Alert® Traffic Warning Systems
Accessories
GPS (Global Positioning System)
HighGear® Accessories
CobraMarine™ VHF Radios
Power Inverters

Operating Instructions

Printed in China

For more information or to order any of our products, please visit our website: www.cobra.com

©2004 Cobra Electronics Corporation
6500 West Cortland Street
Chicago, Illinois 60707 USA
www.cobra.com

Nothing comes close to a Cobra®
Controls, Indicators, Connections And Display

Features:
- On-Off/Volume Control
- Program/Mute Button
- Release Button
- Select/Dim Button

Introduction
This booklet describes the simple steps for mounting and setting up your detector. Congratulations! You’ve made a smart choice by purchasing the XRS 777 ultra high performance digital radar/laser detector from Cobra. Just look at some of the sophisticated features and capabilities your new unit includes:

Product Features

Congratulations! You’ve made a smart choice by purchasing the XRS 777 ultra high performance digital radar/laser detector from Cobra. Just look at some of the sophisticated features and capabilities your new unit includes:

Xtreme Range Superhetodyne Technology With super-fast sweep circuitry, XRS provides extra detection range and the best possible advance warning to even the fastest radar guns

Ultra Performance Provides advanced warning with extra detection range

Detection And Separate Alerts For radar signals (X, K and Ka bands, with signal strength indicated), laser signals. Safety Alert signals, Strobe Alert signals, VG-2 signals, Spectre 1 signals

8-Point Compass Displays direction of travel

LaserEye For 360° detection of laser and strobe signals

Instant-On Ready Detects radar guns with “instant-on” (very fast) speed monitoring capabilities

Pop Detection Detects the latest super-fast instant-on signal pulse radar guns

Voice Or Tone Alert With adjustable volume

DigiView Data Display With easy-to-read alphanumeric dot matrix text readout

IntelliShield False Signal Rejection Reduces false alarms in urban areas with advanced false signal rejection

Ultra Performance Reduces inaccuracies with advanced false signal rejection

IntelliMute A mute function which automatically reduces false alarms by sensing engine RPMs

Smart Power A timed power saving function that saves your car’s battery

EasySet Programming User-friendly mode selection and setting with visual guidance

Auxiliary Audio Jack For external speaker connection

Mounting Mounts easily on windshield or dashboard

You can interpret the alerts you receive.

Congratulations! You’ve made a smart choice by purchasing the XRS 777 ultra high performance digital radar/laser detector from Cobra. Just look at some of the sophisticated features and capabilities your new unit includes:

Xtreme Range Superhetodyne Technology With super-fast sweep circuitry, XRS provides extra detection range and the best possible advance warning to even the fastest radar guns

Ultra Performance Provides advanced warning with extra detection range

Detection And Separate Alerts For radar signals (X, K and Ka bands, with signal strength indicated), laser signals. Safety Alert signals, Strobe Alert signals, VG-2 signals, Spectre 1 signals

8-Point Compass Displays direction of travel

LaserEye For 360° detection of laser and strobe signals

Instant-On Ready Detects radar guns with “instant-on” (very fast) speed monitoring capabilities

Pop Detection Detects the latest super-fast instant-on signal pulse radar guns

Voice Or Tone Alert With adjustable volume

DigiView Data Display With easy-to-read alphanumeric dot matrix text readout

IntelliShield False Signal Rejection Reduces false alarms in urban areas with advanced false signal rejection

Ultra Performance Reduces inaccuracies with advanced false signal rejection

IntelliMute A mute function which automatically reduces false alarms by sensing engine RPMs

Smart Power A timed power saving function that saves your car’s battery

EasySet Programming User-friendly mode selection and setting with visual guidance

Auxiliary Audio Jack For external speaker connection

Mounting Mounts easily on windshield or dashboard

You can interpret the alerts you receive.

Congratulations! You’ve made a smart choice by purchasing the XRS 777 ultra high performance digital radar/laser detector from Cobra. Just look at some of the sophisticated features and capabilities your new unit includes:

Xtreme Range Superhetodyne Technology With super-fast sweep circuitry, XRS provides extra detection range and the best possible advance warning to even the fastest radar guns

Ultra Performance Provides advanced warning with extra detection range

Detection And Separate Alerts For radar signals (X, K and Ka bands, with signal strength indicated), laser signals. Safety Alert signals, Strobe Alert signals, VG-2 signals, Spectre 1 signals

8-Point Compass Displays direction of travel

LaserEye For 360° detection of laser and strobe signals

Instant-On Ready Detects radar guns with “instant-on” (very fast) speed monitoring capabilities

Pop Detection Detects the latest super-fast instant-on signal pulse radar guns

Voice Or Tone Alert With adjustable volume

DigiView Data Display With easy-to-read alphanumeric dot matrix text readout

IntelliShield False Signal Rejection Reduces false alarms in urban areas with advanced false signal rejection

Ultra Performance Reduces inaccuracies with advanced false signal rejection

IntelliMute A mute function which automatically reduces false alarms by sensing engine RPMs

Smart Power A timed power saving function that saves your car’s battery

EasySet Programming User-friendly mode selection and setting with visual guidance

Auxiliary Audio Jack For external speaker connection

Mounting Mounts easily on windshield or dashboard

You can interpret the alerts you receive.
Installation

Where To Mount Your Unit

You will get optimum performance from your detector if you Mount it at a point approximately in the center of the vehicle, as low as possible on the front windshield without obstructing the unit’s view of the road either to the front or rear. You can also mount it directly on the dashboard.

The unit’s lens must not be blocked and the LaserEye should have a clear view out the back window to allow 360° detection.

Radar and laser signals pass through glass but not through other materials and objects. Objects that can block or weaken incoming signals include:

- Windshield wiper blades
- Mirrored sun screens
- Dark tinting at the top of the windshield
- Heated windshields currently available on some vehicles (Instaclear for Ford, Electriclear for GM). Consult your dealer to see if you have this option.

Windshield Mounting

1. Attach the rubber cups to the bracket.
2. Make sure the rubber cups and your windshield are clean.
3. Push the bracket firmly onto the windshield.
4. Attach the detector to the bracket. Check the angle of the unit.
5. To adjust the angle if necessary, gently push or pull on the bracket to bend it. DO NOT use the detector to bend the bracket.
6. Plug the power cord into the detector.
7. Plug the cigarette lighter adapter on the power cord into your vehicle’s cigarette lighter.
8. You can temporarily remove the detector whenever you wish by depressing the bracket release button and sliding it off the bracket.

Dashboard Mounting
Getting Started

1. Place the detector on the dashboard to find a location where the unit has a clear, level view of the road. The angle CANNOT be adjusted after mounting.

2. Remove the paper backing from one (1) side of the hook-and-loop fastener.

3. Attach the pad to the dashboard at your chosen location and remove the other paper backing.

4. Attach the detector to the hook-and-loop fastener. You can remove and reattach the unit as often as you like.

5. Plug the power cord into the detector.

6. Plug the cigarette lighter adapter on the power cord into your vehicle’s cigarette lighter.

To Turn On The Unit And Adjust The Audio Volume

Rotate the On-Off/Volume control clockwise (away from you).

Three (3) beeps
Testing, System Ready
The display will then cycle through the user mode settings (city or highway, Intellimute and SmartPower status).

Start-up is complete when the display continuously shows the current compass direction (N, NE, E, SE, S, SW, W or NW) plus single letters indicating current user mode settings (c = City mode, City X Beep Off mode and City X+K mode, h = Highway mode, i = Intellimute on).

Power On
Testing, System Ready, Voice Alert

NOTE
In some vehicles, power is supplied to the cigarette lighter even while the ignition is off. If this is the case with your vehicle and you have turned the SmartPower off, you should turn off or unplug your detector when parking for lengthy periods. Cobra recommends leaving SmartPower at the factory setting, which is on.

Installation

Dashboard Mounting

1. Place the detector on the dashboard to find a location where the unit has a clear, level view of the road. The angle CANNOT be adjusted after mounting.

2. Remove the paper backing from one (1) side of the hook-and-loop fastener.

3. Attach the pad to the dashboard at your chosen location and remove the other paper backing.

4. Attach the detector to the hook-and-loop fastener. You can remove and reattach the unit as often as you like.

5. Plug the power cord into the detector.

6. Plug the cigarette lighter adapter on the power cord into your vehicle’s cigarette lighter.

Secondary Icons

Start-Up Complete
NW     h
EasySet Programming

All user mode settings on your detector can be changed by using Program mode. When changing the settings, please keep in mind:

- Buttons can have multiple functions.
- All settings will be stored in memory when the power is turned off and recalled when the power is turned back on.

The procedure for using Program mode is shown on page 7.

**Note**
You cannot enter Program mode during an alert. The unit will not detect signals while in Program mode. During programming, if no buttons are pushed for ten (10) seconds, the unit will automatically exit Program mode and save the last settings.

Programming User Modes

The tables on pages 8 through 9 show you how to program all user modes and the settings you can choose from.

**Note**
On the following pages, you will find more detailed explanations of each setting. See page 15 for instructions on setting the IntelliMute activation point. See page 17 for instructions on calibrating the compass. See page 22 for instructions on using SmartPower.

### To Use Program Mode

1. Press and hold the Program/Mute button for two (2) seconds.

   - Three (3) beeps: Program will appear.

2. Press and release the Select/Dim button to cycle through the user modes.

   - One (1) beep with each button press: No mode is displayed, the current setting for that mode will be shown.

3. With the user mode you wish to change displayed, press and release the Set/City button to change the setting.

   - One (1) or two (2) beeps, depending on your selection:
     - The setting you select will be shown.
     - Current setting

4. When you have finished programming any or all of the user modes, press and release the Program/Mute button to exit Program mode.

   - One (1) beep:
     - When you exit Program mode, the new setting will automatically be saved and EXIT PROGRAM will appear.
     - Settings Saved! will appear.

   - Or simply wait ten (10) seconds without pressing any buttons.
This EasySet programming menu lists all of the modes and settings you can choose from after you have entered Program mode as described on page 7.

<table>
<thead>
<tr>
<th>EasySet Programming Menu</th>
<th>Tone Or Voice</th>
<th>Visual Setting</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Set City mode</strong> default*</td>
<td>Two (2) beeps</td>
<td></td>
<td>Citty X A single beep sounds when the signal is first detected.</td>
</tr>
<tr>
<td></td>
<td>One (1) beep</td>
<td></td>
<td>Citty X Off Audio for all X band alerts are blocked until signal strength reaches Level 3.</td>
</tr>
<tr>
<td></td>
<td>One (1) beep</td>
<td></td>
<td>Citty X+K Combines the Citty X mode with prevention of K band audio alerts until signal strength reaches Level 2.</td>
</tr>
<tr>
<td><strong>IntelliMute mode</strong></td>
<td>Two (2) beeps</td>
<td></td>
<td>IntelliMute On All alerts (except for strobe signals from emergency vehicles) are automatically muted below the engine rev point you set.</td>
</tr>
<tr>
<td></td>
<td>One (1) beep</td>
<td></td>
<td>IntelliMute Off Normal operation.</td>
</tr>
<tr>
<td><strong>AutoMute mode</strong></td>
<td>Two (2) beeps</td>
<td></td>
<td>AutoMute On The audio volume of all alerts will be automatically muted after four (4) seconds for as long as the signal is detected.</td>
</tr>
<tr>
<td></td>
<td>One (1) beep</td>
<td></td>
<td>AutoMute Off All alerts will sound at full volume for as long as the signal is detected.</td>
</tr>
<tr>
<td><strong>Set compass</strong></td>
<td>One (1) beep</td>
<td></td>
<td>Set Compass The unit will detect Pop signals.</td>
</tr>
<tr>
<td></td>
<td>One (1) beep</td>
<td></td>
<td>Set Compass Off The unit will not detect Pop signals.</td>
</tr>
</tbody>
</table>

* The settings for these user modes can also be changed with the one (1) button method. See description of each user mode (pages 10 and 24) for details.
Settings

Highway/City Mode
Your detector has a Highway mode and three (3) different levels of City modes: City X, City X Beep Off and City X+K. City X mode sounds a single beep when the signal is first detected. City X Beep Off prevents all X band audio alerts until the signal strength reaches Level 3. City X+K mode combines the City X mode with prevention of K band audio alerts until the signal strength reads Level 2. This will reduce false alerts while you are driving in or near urban areas where there are many sources for conflicting X or K band signals such as microwave towers and automatic door openers. The factory setting is Highway. The factory City mode default setting is City X.

Setting City Default
You can set the default level for City mode (City X, City X Beep Off and City X+K) either in Program mode or directly using the Set/City button.

<table>
<thead>
<tr>
<th>To Change From Highway Mode To City Mode</th>
<th>Press and release the Set/City button.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tone</td>
<td>Visual Display</td>
</tr>
<tr>
<td>One (1) beep</td>
<td>City X or City X Beep Off or City X, K</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>To Change From City Mode Back To Highway Mode</th>
<th>Press and release the Set/City button again.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tone</td>
<td>Visual Display</td>
</tr>
<tr>
<td>Two (2) beeps</td>
<td>h appears in the display</td>
</tr>
</tbody>
</table>

| Highway Mode | N h |

NOTE When you change to City mode, the unit will enter whichever city default mode is set at the time.

<table>
<thead>
<tr>
<th>To Set The City Mode Default Directly Using The Set/City Button</th>
<th>Press and hold the Set/City button.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tone Or Voice</td>
<td>Visual Display</td>
</tr>
<tr>
<td>One (1) beep each time the display cycles</td>
<td>Cycles — see chart above</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Release the Set/City button to select the current display as default.</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>To Set The City Mode Default Using Program Mode (See Page 7 For Instructions On Using Program Mode)</th>
<th>In Program mode, go to City.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tone</td>
<td>Visual Display</td>
</tr>
<tr>
<td>One (1) beep</td>
<td>City X Beep Off</td>
</tr>
<tr>
<td>One (1) beep</td>
<td>City X+K</td>
</tr>
<tr>
<td>Two (2) beeps</td>
<td>City X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>City X Beep Off</th>
<th>City X+K</th>
<th>City X</th>
</tr>
</thead>
<tbody>
<tr>
<td>City X</td>
<td>City X+K</td>
<td>City X</td>
</tr>
</tbody>
</table>

Nothing comes close to a Cobra®
Muting An Alert
Your detector allows you to quickly turn off an Audio Alert by momentarily pressing the Program/Mute button. If you press the Program/Mute button a second time during the Alert, the Audio Alert will be turned back on.

To Turn Turn Off Or On An Audio Alert Using The Program/Mute Button
Press and release the Program/Mute button.

Tone | Visual Display
--- | ---
None | None

Auto Mute Mode
Auto Mute will automatically reduce the audio volume of all alerts after four (4) seconds for as long as the signal is detected. The factor y setting for Auto Mute is on.

To Turn Auto Mute Off Or On Using Program Mode
(See Page 7 For Instructions On Using Program Mode)
In Program mode, go to Auto Mute.

Voice Alert And Tone Alert Modes
You can set your detector to sound alerts and confirm user settings with either a Voice or a Tone. The factory setting for Alert mode is Voice.

To Select Voice Or Tone Mode Using Program Mode
(See Page 7 For Instructions On Using Program Mode)
In Program mode, go to Voice/Tone.

<table>
<thead>
<tr>
<th>Tone</th>
<th>Visual Display</th>
<th>Voice</th>
</tr>
</thead>
<tbody>
<tr>
<td>One (1) beep</td>
<td>Tone</td>
<td>Tone Alert</td>
</tr>
<tr>
<td>Voice Alert</td>
<td>Voice</td>
<td>Voice Alert</td>
</tr>
</tbody>
</table>

Auxiliary Audio Jack
The Auxiliary Audio Jack can be used to connect an external speaker in environments with high ambient noise levels. The internal speaker will be disconnected.

To Select Voice Or Tone Mode Using Program Mode
(See Page 7 For Instructions On Using Program Mode)
In Program mode, go to Voice/Tone.

<table>
<thead>
<tr>
<th>Tone</th>
<th>Visual Display</th>
<th>Voice</th>
</tr>
</thead>
<tbody>
<tr>
<td>One (1) beep</td>
<td>Tone</td>
<td>Tone Alert</td>
</tr>
<tr>
<td>Voice Alert</td>
<td>Voice</td>
<td>Voice Alert</td>
</tr>
</tbody>
</table>
IntelliMute
IntelliMute is a unique new feature that allows you to avoid alerts you don’t need to hear because you are stopped or moving slowly. By sensing the “revs” (RPMs) of your engine, IntelliMute knows when you are at low speed and automatically mutes alerts (except for strobe signals from emergency vehicles).

Before IntelliMute will work, you must set an activation point for your engine’s revs (see page 15). Whenever the revs are below that point, IntelliMute will begin muting. The activation point will be stored in memory and recalled each time the power is turned on. An i will appear in the display when IntelliMute is on. The factory setting is IntelliMute off.

NOTE
IntelliMute may not work with some vehicles because it cannot sense the engine’s revs. In such cases, you can reduce unwanted audio alerts by using Auto Mute and City mode when appropriate.

To Turn IntelliMute On Or Off Using Program Mode (See Page 7 For Instructions On Using Program Mode)

<table>
<thead>
<tr>
<th>Tone</th>
<th>Visual Display</th>
<th>Voice</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two (2) beeps</td>
<td>IntelliMute On, then i appears in the display</td>
<td>IntelliMute On</td>
</tr>
<tr>
<td>One (1) beep</td>
<td>IntelliMute Off</td>
<td>IntelliMute Off</td>
</tr>
</tbody>
</table>

In Program mode, go to IntelliMute.

What To Remember While Using IntelliMute
IntelliMute works with all City and Auto Mute modes. Whenever engine revs are below the activation point, an arrow pointing down will appear in the display. Above the activation point, an arrow pointing up will appear.

Below Activation Point
Above Activation Point

If, for any reason, the unit stops sensing your engine’s revs, IntelliMute will indicate an error and automatically turn off. The rev point you set will be stored in the unit’s memory when power is turned off and recalled each time the power is turned on.

NOTE
The rev point must be reset if you use your detector in a different vehicle.

NOTE
When initially choosing your IntelliMute activation point, a setting of approximately 300 to 600 RPMs above idle is recommended. You can reset the activation point at any time to fit your individual preferences and driving style.

Setting The IntelliMute Activation Point
Your detector must be installed in your vehicle.

CAUTION
Do not attempt to set the rev point while driving. Your vehicle should be parked and idling.

IntelliMute must be turned on before setting the activation point.
Your detector includes an internal 8-point Compass that will continuously display your current direction of travel: N, NE, E, SE, S, SW, W, or NW.

Calibrating The Compass

NOTE
Before using it for the first time, you must calibrate the compass to provide accurate indications of direction. See page 7 for instructions on using the Program mode to set Set Compass.

Calibration allows the compass electronics to measure and store information about the magnetic fields generated by your vehicle. The compass will remain accurately calibrated as long as your detector is mounted in the same place in your vehicle. If you change the location where the unit is mounted or move it to another vehicle, you must recalibrate the compass.

The compass temporarily may not provide accurate readings if you are inside a building or enclosure, or are close to a large metal tractor/trailer, truck, or train. Once you are away from such a location, the compass will work correctly again.

NOTE
When the instructions direct you to drive in two (2) circles, a large parking lot is the most convenient place to do so. It does not matter what direction your vehicle is pointing when you start the circles, which direction you go to make the circles, and it does not have to be exactly two (2) circles. You do NOT have to make perfect circles. You can drive in any pattern, as long as you make two (2) complete turns. Four (4) three-point turns, two (2) small squares, or any two (2) complete loops will work as well as two (2) circles. It does not matter what size the circles are, if your speed is constant, or how fast you make the circles (but less than two (2) minutes). Please be careful when making the circles and watch for other traffic.
Settings

To Calibrate The Compass Using Program Mode
(See Page 7 For Instructions On Using Program Mode)

In Program mode, go to Pop Detect.

Tone | Visual Display | Voice
--- | --- | ---
None | Set Compass | None

Press and hold the Select/City button to begin setting the compass.

Within two (2) minutes, drive your vehicle in a circle twice, then press the Select/City button again.

Tone | Visual Display | Voice
--- | --- | ---
None | None | None

Press and release either the Select/Dim button to proceed to the next user mode or the Program/Mute button to exit Program mode.

NOTE
If you do not press the Select/City button within two (2) minutes after beginning the set compass process, compass calibration will automatically terminate.

Pop Alert
Pop Alert will alert you of Pop radar signals. During the alert, the unit continues to detect other signals. The factory setting is Pop Detect off.

To Turn Pop Detect Mode On Or Off Using Program Mode
(See Page 7 For Instructions On Using Program Mode)

In Program mode, go to Pop Detect.

Tone | Visual Display | Voice
--- | --- | ---
Two (2) beeps | Pop On | Ka Pop On
One (1) beep | Pop Off | Ka Pop Off

Press and release either the Select/Dim button to proceed to the next user mode or the Program/Mute button to exit Program mode.
VG-2 Alert

The detector is undetectable by VG-2 detection devices and will alert you when such a device is in use near your vehicle. During the alert, the unit continues to detect other signals. You can choose whether or not you want your unit to show VG-2 Alerts. With VG-2 Detect mode on, you can also choose whether or not you want your unit to sound audible VG-2 Alerts. The factory settings are VG-2 Detect on and VG-2 Detect Audio on.

<table>
<thead>
<tr>
<th>Tone</th>
<th>Visual Display</th>
<th>Voice</th>
</tr>
</thead>
<tbody>
<tr>
<td>One (1) beep</td>
<td>VG-2 Off</td>
<td>VG-2 Off</td>
</tr>
<tr>
<td>Two (2) beeps</td>
<td>VG-2 On</td>
<td>VG-2 On</td>
</tr>
</tbody>
</table>

VG-2 Detect Off

VG-2 Detect On

To Turn VG-2 Detect Mode Off Or On Using Program Mode
(See Page 7 For Instructions On Using Program Mode)

In Program mode, go to VG-2 Detect.

<table>
<thead>
<tr>
<th>Tone</th>
<th>Visual Display</th>
<th>Voice</th>
</tr>
</thead>
<tbody>
<tr>
<td>One (1) beep</td>
<td>VG-2 Audio Off</td>
<td>VG-2 Audio Off</td>
</tr>
<tr>
<td>Two (2) beeps</td>
<td>VG-2 Audio On</td>
<td>VG-2 Audio On</td>
</tr>
</tbody>
</table>

VG-2 Audio Off

VG-2 Audio On

To Turn VG-2 Audio Mode Off Or On Using Program Mode
(See Page 7 For Instructions On Using Program Mode)

In Program mode, go to VG-2 Audio.

Spectre 1 Alert

The detector is undetectable by Spectre 1 detection devices and will alert you when such a device is in use near your vehicle. During the alert, the unit continues to detect other signals. You can choose whether or not you want your unit to show Spectre 1 Alerts. With Spectre 1 Detect mode on, you can also choose whether or not you want your unit to sound audible Spectre 1 Alerts. The factory settings are Spectre 1 Detect on and Spectre 1 Audio on.

<table>
<thead>
<tr>
<th>Tone</th>
<th>Visual Display</th>
<th>Voice</th>
</tr>
</thead>
<tbody>
<tr>
<td>One (1) beep</td>
<td>Spectre Off</td>
<td>Spectre Off</td>
</tr>
<tr>
<td>Two (2) beeps</td>
<td>Spectre On</td>
<td>Spectre On</td>
</tr>
</tbody>
</table>

Spectre Detect Off

Spectre Detect On

To Turn Spectre 1 Detect Mode Off Or On Using Program Mode
(See Page 7 For Instructions On Using Program Mode)

In Program mode, go to Spectre 1 Detect.

<table>
<thead>
<tr>
<th>Tone</th>
<th>Visual Display</th>
<th>Voice</th>
</tr>
</thead>
<tbody>
<tr>
<td>One (1) beep</td>
<td>VG-2 Audio Off</td>
<td>VG-2 Audio Off</td>
</tr>
<tr>
<td>Two (2) beeps</td>
<td>VG-2 Audio On</td>
<td>VG-2 Audio On</td>
</tr>
</tbody>
</table>

VG-2 Audio Off

VG-2 Audio On

To Turn VG-2 Audio Mode Off Or On Using Program Mode
(See Page 7 For Instructions On Using Program Mode)

In Program mode, go to VG-2 Audio.

<table>
<thead>
<tr>
<th>Tone</th>
<th>Visual Display</th>
<th>Voice</th>
</tr>
</thead>
<tbody>
<tr>
<td>One (1) beep</td>
<td>Spectre Audio Off</td>
<td>Spectre Audio Off</td>
</tr>
<tr>
<td>Two (2) beeps</td>
<td>Spectre Audio On</td>
<td>Spectre Audio On</td>
</tr>
</tbody>
</table>

VG-2 Alert

The detector is undetectable by VG-2 detection devices and will alert you when such a device is in use near your vehicle. During the alert, the unit continues to detect other signals. You can choose whether or not you want your unit to show VG-2 Alerts. With VG-2 Detect mode on, you can also choose whether or not you want your unit to sound audible VG-2 Alerts. The factory settings are VG-2 Detect on and VG-2 Detect Audio on.

<table>
<thead>
<tr>
<th>Tone</th>
<th>Visual Display</th>
<th>Voice</th>
</tr>
</thead>
<tbody>
<tr>
<td>One (1) beep</td>
<td>VG-2 Off</td>
<td>VG-2 Off</td>
</tr>
<tr>
<td>Two (2) beeps</td>
<td>VG-2 On</td>
<td>VG-2 On</td>
</tr>
</tbody>
</table>

VG-2 Detect Off

VG-2 Detect On

To Turn VG-2 Detect Mode Off Or On Using Program Mode
(See Page 7 For Instructions On Using Program Mode)

In Program mode, go to VG-2 Detect.

<table>
<thead>
<tr>
<th>Tone</th>
<th>Visual Display</th>
<th>Voice</th>
</tr>
</thead>
<tbody>
<tr>
<td>One (1) beep</td>
<td>VG-2 Audio Off</td>
<td>VG-2 Audio Off</td>
</tr>
<tr>
<td>Two (2) beeps</td>
<td>VG-2 Audio On</td>
<td>VG-2 Audio On</td>
</tr>
</tbody>
</table>

VG-2 Audio Off

VG-2 Audio On

To Turn VG-2 Audio Mode Off Or On Using Program Mode
(See Page 7 For Instructions On Using Program Mode)

In Program mode, go to VG-2 Audio.
Settings

Your detector includes the SmartPower feature that, when activated, will put the unit into Standby mode (low power) for about 30 minutes after the car’s engine has been turned off. After 30 minutes in Standby mode, the unit will automatically turn off.

Before SmartPower enters Standby mode, you will hear one (1) beep and Pwr Save will appear on the display. To return the unit to normal Power mode or exit Standby mode, start the car, press any button or turn the unit off and then on again. The factory setting is SmartPower on.

To Turn SmartPower Mode Off Or On Using Program Mode
(See Page 7 For Instructions On Using Program Mode)

In Program mode, go to SmartPower.

<table>
<thead>
<tr>
<th>Tone</th>
<th>Visual Display</th>
<th>Voice</th>
</tr>
</thead>
<tbody>
<tr>
<td>One (1) beep</td>
<td>SmartPower Off</td>
<td>SmartPower Off</td>
</tr>
<tr>
<td>Two (2) beeps</td>
<td>SmartPower On</td>
<td>SmartPower On</td>
</tr>
</tbody>
</table>

NOTE

When you change to Dim mode, the unit will enter whichever dim default mode is set at the time.

To Change The Brightness To Dim
Press and release the Select/Dim button once.

<table>
<thead>
<tr>
<th>Tone</th>
<th>Visual Display</th>
<th>Voice</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two (2) beeps</td>
<td>Dim, Dimmer or Dark</td>
<td>Dim, Dimmer or Dark</td>
</tr>
</tbody>
</table>

To Change The Brightness To Bright
Press and release the Select/Dim button again.

<table>
<thead>
<tr>
<th>Tone</th>
<th>Visual Display</th>
<th>Voice</th>
</tr>
</thead>
<tbody>
<tr>
<td>One (1) beep</td>
<td>Bright</td>
<td>Bright</td>
</tr>
</tbody>
</table>

DigiView Data Display Brightness

Your detector has a Bright display mode (for daytime driving) and three (3) levels of Dim display modes: Dim for dusk driving, Dimmer for night driving and Dark where no visual alerts will be displayed to control the display’s brightness levels. The factory setting is Bright. The factory Dim mode default setting is Dimmer.

To change the display brightness:

Press and release the Select/Dim button.

- **Dark Indicator**

- **Select/Dim Button**
  - Press and release.

Tone

- **Voice**

**To Change The Brightness To Dim**

- **Press and release the Select/Dim button once.**

<table>
<thead>
<tr>
<th>Tone</th>
<th>Visual Display</th>
<th>Voice</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two (2) beeps</td>
<td>Dim, Dimmer or Dark</td>
<td>Dim, Dimmer or Dark</td>
</tr>
</tbody>
</table>

**To Change The Brightness To Bright**

- **Press and release the Select/Dim button again.**

<table>
<thead>
<tr>
<th>Tone</th>
<th>Visual Display</th>
<th>Voice</th>
</tr>
</thead>
<tbody>
<tr>
<td>One (1) beep</td>
<td>Bright</td>
<td>Bright</td>
</tr>
</tbody>
</table>

NOTE

When you change to Dim mode, the unit will enter whichever dim default mode is set at the time.
Nothing comes close to a Cobra®

Detection

Signals Detected
The tables on the following pages show you the types of Signals your detector will detect, as well as the visual alerts it provides for each of them.

Audio Alerts
A distinctly different Alert tone is used for each type of signal detected (including separate tones for each laser signal). For X, K and Ka band radar signals, the tones will repeat faster as you approach the signal source. The repeat rate of the tones gives you useful information about the signal detected. See responding to alerts on page 28.

Visual Display
An indication of the type of signal detected will appear in the DigiView Data Display. During X, K and Ka alerts, you will also see from one (1) to five (5) vertical bars, indicating the strength of the signal detected.

Signal Strength Chart

<table>
<thead>
<tr>
<th>Signal Strength</th>
<th>Tone</th>
<th>Visual Display</th>
<th>Voice</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 (Weakest Signal)</td>
<td>Two (2) beeps</td>
<td>Dim</td>
<td>Dim</td>
</tr>
<tr>
<td>2</td>
<td>One (1) beep</td>
<td>Dimmer</td>
<td>Dimmer</td>
</tr>
<tr>
<td>3</td>
<td>One (1) beep</td>
<td>Dark</td>
<td>Dark</td>
</tr>
<tr>
<td>4</td>
<td>Two (2) beeps</td>
<td>Dim</td>
<td>Dim</td>
</tr>
<tr>
<td>5</td>
<td>Two (2) beeps</td>
<td>Dim</td>
<td>Dim</td>
</tr>
</tbody>
</table>

Setting Dim Default
You can set the default level for Dim mode (Dim, Dimmer or Dark) either in Program mode or directly using the Select/Dim button.

To Set The Display Dim Mode Default Using The Select/Dim Button

<table>
<thead>
<tr>
<th>Press and hold the Select/Dim button</th>
<th>Tone or Voice</th>
<th>Visual Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>One (1) beep each time the display cycles</td>
<td>None</td>
<td>Dim, Dimmer or Dark</td>
</tr>
</tbody>
</table>

To Set The Display Dim Mode Default Directly Using The Select/Dim Button

Select/Dim Button Press and hold

Settings

Select/Dim Button
Press and hold

Dark
Dim
Dimmer

Dim

Press and hold Select/Dim button

To Set The Display Dim Mode Default Using Program Mode

(See Page 7 For Instructions On Using Program Mode)

In Program mode, go to Display Dim, Dimmer or Dark.

<table>
<thead>
<tr>
<th>Tone</th>
<th>Visual Display</th>
<th>Voice</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two (2) beeps</td>
<td>Dim</td>
<td>Dim</td>
</tr>
<tr>
<td>One (1) beep</td>
<td>Dimmer</td>
<td>Dimmer</td>
</tr>
<tr>
<td>One (1) beep</td>
<td>Dark</td>
<td>Dark</td>
</tr>
</tbody>
</table>
Nothing comes close to a Cobra®

Detection

**Radar Signals And Visual Displays**

<table>
<thead>
<tr>
<th>Type of Signal</th>
<th>Visual Display</th>
<th>Voice</th>
</tr>
</thead>
<tbody>
<tr>
<td>X Band Radar</td>
<td>X and Signal Strength</td>
<td>X Alert</td>
</tr>
<tr>
<td>K Band Radar</td>
<td>K and Signal Strength</td>
<td>K Alert</td>
</tr>
<tr>
<td>Ka Band Radar</td>
<td>Ka and Signal Strength</td>
<td>Ka Alert</td>
</tr>
</tbody>
</table>

**Pop Radar Mode**

<table>
<thead>
<tr>
<th>Signal Detected</th>
<th>Pop Alert</th>
</tr>
</thead>
<tbody>
<tr>
<td>X Signal Detected</td>
<td>Pop</td>
</tr>
<tr>
<td>K Signal Detected</td>
<td>Pop</td>
</tr>
<tr>
<td>Ka Signal Detected</td>
<td>Pop</td>
</tr>
</tbody>
</table>

**Laser Signals And Visual Displays**

<table>
<thead>
<tr>
<th>Type of Signal</th>
<th>Visual Display</th>
<th>Voice</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTI 20-20</td>
<td>Laser 20/20</td>
<td>Laser Alert</td>
</tr>
<tr>
<td>LTI Ultra-Lyte*</td>
<td>Laser UltraLyte</td>
<td>Laser Alert</td>
</tr>
<tr>
<td>Kustom Signals ProLaser*</td>
<td>Laser Pro Laser</td>
<td>Laser Alert</td>
</tr>
</tbody>
</table>

* Your detector provides 360° detection of these signals.

**NOTE**

Beep rate changes with different laser alerts.

**Radar Signals And Visual Displays**

<table>
<thead>
<tr>
<th>Type of Signal</th>
<th>Visual Display</th>
<th>Voice</th>
</tr>
</thead>
<tbody>
<tr>
<td>X Band Radar</td>
<td>X and Signal Strength</td>
<td>X Alert</td>
</tr>
<tr>
<td>K Band Radar</td>
<td>K and Signal Strength</td>
<td>K Alert</td>
</tr>
<tr>
<td>Ka Band Radar</td>
<td>Ka and Signal Strength</td>
<td>Ka Alert</td>
</tr>
</tbody>
</table>

**Pop Radar Mode**

<table>
<thead>
<tr>
<th>Signal Detected</th>
<th>Pop Alert</th>
</tr>
</thead>
<tbody>
<tr>
<td>X Signal Detected</td>
<td>Pop</td>
</tr>
<tr>
<td>K Signal Detected</td>
<td>Pop</td>
</tr>
<tr>
<td>Ka Signal Detected</td>
<td>Pop</td>
</tr>
</tbody>
</table>

**Radar Signals And Visual Displays**

<table>
<thead>
<tr>
<th>Type of Signal</th>
<th>Visual Display</th>
<th>Voice</th>
</tr>
</thead>
<tbody>
<tr>
<td>X Band Radar</td>
<td>X and Signal Strength</td>
<td>X Alert</td>
</tr>
<tr>
<td>K Band Radar</td>
<td>K and Signal Strength</td>
<td>K Alert</td>
</tr>
<tr>
<td>Ka Band Radar</td>
<td>Ka and Signal Strength</td>
<td>Ka Alert</td>
</tr>
</tbody>
</table>

**Pop Radar Mode**

<table>
<thead>
<tr>
<th>Signal Detected</th>
<th>Pop Alert</th>
</tr>
</thead>
<tbody>
<tr>
<td>X Signal Detected</td>
<td>Pop</td>
</tr>
<tr>
<td>K Signal Detected</td>
<td>Pop</td>
</tr>
<tr>
<td>Ka Signal Detected</td>
<td>Pop</td>
</tr>
</tbody>
</table>

**Laser Signals And Visual Displays**

<table>
<thead>
<tr>
<th>Type of Signal</th>
<th>Visual Display</th>
<th>Voice</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTI 20-20</td>
<td>Laser 20/20</td>
<td>Laser Alert</td>
</tr>
<tr>
<td>LTI Ultra-Lyte*</td>
<td>Laser UltraLyte</td>
<td>Laser Alert</td>
</tr>
<tr>
<td>Kustom Signals ProLaser*</td>
<td>Laser Pro Laser</td>
<td>Laser Alert</td>
</tr>
</tbody>
</table>

* Your detector provides 360° detection of these signals.

**NOTE**

Beep rate changes with different laser alerts.

**Strobe Alert Signals And Visual Displays**

<table>
<thead>
<tr>
<th>Type of Signal</th>
<th>Visual Display</th>
<th>Voice</th>
</tr>
</thead>
<tbody>
<tr>
<td>3M Opticom or Tomar*</td>
<td>Emergency Vehicle</td>
<td>Emergency Vehicle Approaching</td>
</tr>
</tbody>
</table>

* Your detector provides 360° detection of these signals.

**Strobe Alert Signals (Flashing)**

<table>
<thead>
<tr>
<th>Signal Detected</th>
<th>Alert</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>Pop</td>
</tr>
<tr>
<td>K</td>
<td>Pop</td>
</tr>
<tr>
<td>Ka</td>
<td>Pop</td>
</tr>
</tbody>
</table>

**Safety Alert Signals And Visual Displays**

<table>
<thead>
<tr>
<th>Type of Signal</th>
<th>Visual Display</th>
<th>Voice</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency Vehicles</td>
<td>Emergency Vehicle</td>
<td>Emergency Vehicle Approaching</td>
</tr>
<tr>
<td>Road Hazards</td>
<td>Road Hazard</td>
<td>Road Hazard Ahead</td>
</tr>
<tr>
<td>Trains</td>
<td>Train</td>
<td>Train Approaching</td>
</tr>
</tbody>
</table>

**NOTE**

There are different tones for each Safety Alert.

**VG-2 And Spectre 1 Alert Signals And Visual Displays**

<table>
<thead>
<tr>
<th>Type of Signal</th>
<th>Visual Display</th>
<th>Voice</th>
</tr>
</thead>
<tbody>
<tr>
<td>VG-2 Alert</td>
<td>VG2</td>
<td>VG-2 Alert</td>
</tr>
<tr>
<td>Spectre 1</td>
<td>Spectre1</td>
<td>Spectre Alert</td>
</tr>
</tbody>
</table>

**NOTE**

There are different tones for each alert.
Instant-On Detection
Your detector is designed to detect Instant-On speed monitoring signals, which can suddenly appear at full strength.

NOTE
You should take appropriate action immediately whenever an instant-on alert is given.

Pop Detection
Your detector is designed to detect single pulse mode radars. These radars are designed to have a low probability of detection. You should note that these radar guns have a much shorter range while in this mode.

Responding To Alerts

<table>
<thead>
<tr>
<th>Description</th>
<th>Interpretation</th>
<th>Recommended Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tone repeats slowly at first, then speeds up rapidly.</td>
<td>Probably police radar.</td>
<td>FULL ALERT</td>
</tr>
<tr>
<td>Tone sounds one (1) time only.</td>
<td>Probably a false alarm, but possibly pulsed radar, Spectre 1 or VG-2 nearby.</td>
<td>Exercise caution</td>
</tr>
<tr>
<td>Tone instantly begins repeating rapidly.</td>
<td>Radar, Spectre 1 or VG-2 nearby has been activated suddenly.</td>
<td>FULL ALERT</td>
</tr>
<tr>
<td>Pop mode tone.</td>
<td>Pop mode gun very close.</td>
<td>FULL ALERT</td>
</tr>
<tr>
<td>Tone repeats slowly as you approach a hill or bridge, then speeds up sharply as you reach it.</td>
<td>Probably police radar beyond the hill or bridge.</td>
<td>FULL ALERT</td>
</tr>
<tr>
<td>Tone repeats slowly for a short period.</td>
<td>Probably a false alarm.</td>
<td>Exercise caution</td>
</tr>
<tr>
<td>Any type of laser alert.</td>
<td>Laser alerts are never false alarms.</td>
<td>FULL ALERT</td>
</tr>
<tr>
<td>Any Safety Alert or Strobe Alert.</td>
<td>You are nearing an emergency vehicle, railroad crossing, or road hazard (construction, accident, etc.).</td>
<td>Exercise caution</td>
</tr>
</tbody>
</table>

Instant-On Detection
Radar Speed Monitoring Systems
Three (3) band frequencies have been approved by the Federal Communications Commission (FCC) for use by speed monitoring radar equipment:

<table>
<thead>
<tr>
<th>Band</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>X band</td>
<td>10.525 GHz</td>
</tr>
<tr>
<td>K band</td>
<td>24.150 GHz</td>
</tr>
<tr>
<td>Ka band</td>
<td>33.400 – 36.00 GHz</td>
</tr>
</tbody>
</table>

Your detector detects signals in all three (3) radar bands.

VG-2 And Spectre 1
VG-2 and Spectre 1 are “detector detectors” that work by detecting low-level signals emitted by most radar detectors. Your detector does not emit signals that can be detected by VG-2 or Spectre 1, but does detect VG-2 and Spectre 1 signals and will alert you when a device is in use near your vehicle, if you so choose.

Safety Alert Traffic Warning System
FCC-approved Safety Alert transmitters emit microwave radar signals that indicate the presence of a safety-related concern. Depending on the frequency of the signal emitted, it can indicate a speeding emergency vehicle or train, or a stationary road hazard.

Because these microwave signals are within the K band frequency, most conventional radar detectors will detect Safety Alert signals as standard K band radar. Your detector, however, is designed to differentiate between standard K band and Safety Alert signals, and give separate alerts for each.

Safety Alert technology is relatively new. Safety Alert transmitters can be found in limited numbers in all 50 states, but the number is growing. Depending on your location, you may not receive these alerts regularly and may often encounter emergency vehicles, trains and road hazards without being alerted. As the number of transmitters increases, these alerts will become more common.

When you receive such an alert, please watch for emergency vehicles ahead of you, on cross streets and behind you. If you see an emergency vehicle approaching, please pull over to the right side of the road and allow it to pass.
Strobe Alert
Special strobes mounted on the light bars of authorized emergency vehicles (fire trucks, police cars, ambulances) automatically change traffic signals as the vehicle approaches an intersection. These strobes and the special strobe detectors located on the traffic signals, introduced fairly recently by 3M and Tomar, are already in use in more than 1000 cities nationwide. Cobra’s exclusive Strobe Alert detector will detect these special strobes and give an emergency vehicle alert.

When you receive such an alert, please watch for an approaching emergency vehicle and pull over to allow it to pass. To inquire about coverage in your area, contact your local fire and police departments.

LIDAR (Laser)
The correct name for the technology that most people refer to as laser is actually LIDAR, which stands for Light Detection and Ranging.

LIDAR operates much like radar. Its signal spreads out like a radar signal, though not as widely. Unlike radar, LIDAR must have a clear line of sight to its target vehicle throughout the entire measurement interval. Obstructions such as sign posts, utility poles, tree branches, etc., will prevent valid speed measurement.

Some common questions about LIDAR include:

Do weather have any affect on LIDAR? Yes. Rain, snow, smoke, fog, or airborne dust particles will reduce the effective range of LIDAR and can, if dense enough, prevent its operation.

Can LIDAR operate through glass? Yes. Newer LIDAR guns can obtain readings through most types of glass. However, the laser pulse also can be received through glass to trigger an alarm by your detector.

Can LIDAR operate while in motion? No. Because LIDAR operates by line of sight, the person using it cannot drive the vehicle, aim and operate the gun all at the same time.

Is LIDAR legal to use? Yes. It is legal in all 50 states.

Maintenance

Maintenance Of Your Radar Detector
Your detector is designed and built to give you years of trouble-free performance without the need for service. No routine maintenance is required.

If your unit does not appear to be operating properly, please follow these troubleshooting steps:

Make sure the power cord is properly connected.

Make sure the socket of your vehicle’s cigarette lighter is clean and free of corrosion.

Make sure the power cord’s cigarette lighter adapter is firmly seated in your cigarette lighter.

Check the power cord fuse. (Unscrew the ribbed end cap of the cigarette lighter adapter and examine the fuse. If required, replace it with a 2-amp fuse only.)

Pop Radar Guns
The Pop mode Radar Gun is a single pulse Doppler radar that is a feature of a K and Ka (Bee III Ka radar gun) band Instant-On radar gun. It uses a single short time pulse to measure the target vehicle’s speed. Despite the fact that the short, single pulse makes the unit very sensitive to officer hand and vehicle movement and reduces the range of the gun in Pop mode to 50% of its range in Continuous Wave mode, this feature is added in an attempt to make the radar gun invisible to Radar Detectors.

Although your detector can sense Pop signals beyond the effective range of Pop radar guns, there will be a signal to sense only if a gun is triggered. In addition, the Pop mode receiver section is more prone to false alerts because of its extra sensitivity. This is especially so in urban areas. As a result, you should consider using the Pop Detect mode only in highway and rural situations. Cobra Electronics has included a user selectable on or off Pop Detect mode.

Understanding Radar And Laser

Strobe Alert

Maintenance

Pop Radar Guns

LIDAR (Laser)
Cobra 33 Warranty

Limited 1-Year Warranty

For Products Purchased In The U.S.A.

Cobra Electronics Corporation warrants that its Cobra 11 Band Radar/Laser Detectors, and the component parts thereof, will be free of defects in workmanship and materials for period of one (1) 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 11 Band 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.

Specifications

Band And Frequencies

<table>
<thead>
<tr>
<th>Band</th>
<th>Frequencies</th>
</tr>
</thead>
<tbody>
<tr>
<td>X Band</td>
<td>10.525 ± 0.050 GHz</td>
</tr>
<tr>
<td>K Band</td>
<td>24.125 ± 0.125 GHz</td>
</tr>
<tr>
<td>Safety Alert</td>
<td>24.070 ± 0.010 GHz</td>
</tr>
<tr>
<td>Traffic Warning System</td>
<td>24.110 ± 0.010 GHz</td>
</tr>
<tr>
<td>24.190 ± 0.010 GHz</td>
<td></td>
</tr>
<tr>
<td>24.230 ± 0.010 GHz</td>
<td></td>
</tr>
<tr>
<td>Ka Band</td>
<td>34.700 ± 1.300 GHz</td>
</tr>
<tr>
<td>Laser</td>
<td>910 ± 50 nm</td>
</tr>
<tr>
<td>Strobe</td>
<td>700 ± 300 nm</td>
</tr>
</tbody>
</table>

Unit Dimensions And Weight

<table>
<thead>
<tr>
<th>Dimensions* (H x W x D)</th>
<th>Weight*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 1/16&quot; x 3 3/4&quot; x 4 1/4&quot;</td>
<td>6.45 oz.</td>
</tr>
<tr>
<td>(38 mm x 78 mm x 124 mm)</td>
<td>(183 g)</td>
</tr>
</tbody>
</table>

* Dimensions and weight measurements are approximate.

This radar detector is covered by one or more of the following U.S. patents: 5,497,148; 5,594,432; 5,612,685; 6,078,279; 6,094,148; 6,621,447. Additional patents may be listed inside the product or pending.

Specifications

Limited 1-Year Warranty

For Products Purchased In The U.S.A.

Cobra Electronics Corporation warrants that its Cobra 11 Band Radar/Laser Detectors, and the component parts thereof, will be free of defects in workmanship and materials for period of one (1) 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 11 Band 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.
Product Service

If you have any questions about operation or installing your new Cobra product, or if you are missing parts…

Please call Cobra first! DO NOT RETURN THIS PRODUCT TO THE STORE! See customer assistance on page A1.

If you suspect that your unit requires service, please call 773-889-3087 BEFORE shipping it to Cobra. This will ensure that you receive service as quickly as possible.

If you are asked to send your unit to the Cobra factory, please follow these steps:

1. Send the complete unit, including power cord. (It is not necessary to include the mounting bracket.)
2. For warranty repair, enclose some form of proof-of-purchase, such as a photocopy or carbon copy of a sales receipt. If you send the original receipt, it cannot be returned.
3. Enclose a typed or clearly written description of the problem you are having with your unit, plus the name and address where you want the unit returned.
4. Pack the unit securely to prevent damage during transit. If possible, use the original packing materials.
5. Ship prepaid and insured using a traceable carrier such as United Parcel Service (UPS), Federal Express, or Priority mail with delivery confirmation. Ship to: Cobra Factory Service, Cobra Electronics Corporation, 6500 West Cortland Street, Chicago, IL 60707 U.S.A.
6. Please allow three (3) to four (4) weeks before contacting us about the status of your service. Call 773-889-3087 for assistance. If your unit is under warranty, it will either be repaired or replaced upon receipt, depending on the model. If your unit is out of warranty, you will receive a letter informing you of the repair or replacement charge.

Trademark Acknowledgement


Cobra Electronics Corporation, 11 Band, EasySet, IntelliMute, IntelliShield, Road Ready, SmartPower, Spectre 1 Alert, UltraBright, Voice Alert and Xtreme Range Superheterodyne are trademarks of Cobra Electronics Corporation.

Opticom is a trademark of 3M Corporation. InstaClear for Ford is a registered trademark of Ford Motor Company, Inc. Electriclear for GM is a registered trademark of General Motors Corporation. 20-20 and Ultra-Lyte are trademarks of Laser Technology, Inc. ProLaser and ProLaser III are trademarks of Kustom Signals, Inc. Bee III and Pop are trademarks of MPH Industries. Spectre is a trademark of Stalcar. Interceptor VG-2 is a trademark of TechniSonic Industries LTD.

Tomar is a registered trademark of TOMAR Electronics, Inc.
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.

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Straight 12V DC Power Cord</td>
<td>Includes plug and fuse Item # 420-030-N-001</td>
</tr>
<tr>
<td>Windshield Mounting Bracket</td>
<td>Includes suction cups Item # 545-139-N-001</td>
</tr>
<tr>
<td>Coiled 12V DC Power Cord</td>
<td>Includes plug and fuse Item # 420-026-N-001</td>
</tr>
<tr>
<td>Dual Port Power Adapter</td>
<td>Includes adjustable plug (up to 90°) and fuse Item # CLP-2B</td>
</tr>
</tbody>
</table>

Order Form

Name
Address
City State/Province Zip Country
Telephone
Credit Card Number Type: Visa MasterCard Discover Exp. Date

Customer Signature

Item # Description U.S. Cost Each Qty Amount
420-030-N-001 Straight 12V Power Cord
420-026-N-001 Coiled 12V Power Cord
545-139-N-001 Windshield Mounting Bracket
CLP-2B Dual Port Power Adapter

Amount Shipping/Handling*
$10.00 or less . . . . . $3.00
$10.01-$25.00 . . . . . $5.50
$25.01-$50.00 . . . . . $7.50
$50.01-$90.00 . . . . . $10.50
$90.01-$130.00 . . . $13.50
$130.01-$200.00 . . $16.50
$200.01 plus . . . . . 10% of purchase

Tax Table
- Wisconsin add 5%
- Indiana, Michigan, Ohio add 6%
- California add 7.25%
- Illinois add 8.75%

*For AK, HI and PR add additional $26.95 for FedEx Next Day or $10.95 for FedEx 2nd Day. Please allow two (2) to three (3) weeks for delivery in the U.S.A.

Ordering From U.S.A.
Call 773-889-3087 for pricing or visit www.cobra.com.

For Credit Card Orders
Complete and return this order form to fax number 773-622-2269. Or call 773-889-3087 [Press one (1) from the main menu] 8:00 a.m. to 6:00 p.m. CT, Monday through Friday.

Make Check or Money Order Payable To Cobra Electronics, Attn: Accessories Dept., 6500 West Cortland Street, Chicago, IL 60707 U.S.A.

To Order Online
Please visit our website: www.cobra.com

Nothing comes close to a Cobra®
The Cobra line of quality products includes:

CB Radios
microTALK® Radios
Radar/Laser Detectors
Safety Alert® Traffic Warning Systems
Accessories
GPS (Global Positioning System)
HighGear® Accessories
CobraMarine™ VHF Radios
Power Inverters

For more information or to order any of our products, please visit our website:
www.cobra.com