# **S**Cobra



MITE

Operating Instructions

### The Cobra line of quality products includes:

**CB** Radios

microTALK® Radios

Radar/Laser Detectors

Safety Alert® Traffic Warning Systems

Handheld GPS Receivers

Mobile GPS Navigation Systems

HighGear® Accessories

CobraMarine™ VHF Marine Radios

**Power Inverters** 

**Accessories** 

For more information or to

order any of our products. please visit our website: www.cobra.com **DETECTOR WITH XTREME RANGE** SUPERHETERODYNE® TECHNOLOGY XRS 9530

HIGH-PERFORMANCE

DIGITAL RADAR/LASER

12 BAND™

IZBAND

Printed in China Part No. 480-232-P

English

**Nothing** Comes Close to a Cobra<sup>®</sup> **Nothing** Comes Close to a Cobra® English



# Important Information and Customer Assistance

#### **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).

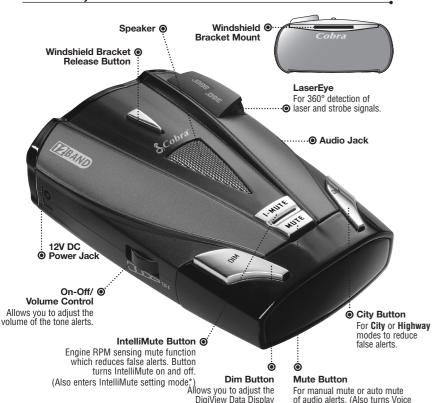
Technical Assistance English only. www.cobra.com (on-line: Frequently Asked Questions), English and Spanish, productinfo@cobra.com (e-mail).

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

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### **Controls, Indicators and Connections**



\* Press and hold for two seconds to access these functions.



alerts on and off.\*)

brightness for easy reading.

(Also turns Spectre 1 and VG-2

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

Alert on and off.\*)

#### **Display**



Alpha/Numeric Dot Matrix Text Display See pages 6 – 16 for more information about display features.

#### **Product Features**

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

#### Xtreme Range Superheterodyne Technology

With super-fast sweep circuitry. XRS provides extra detection range and the best possible advance warning to even the fastest radar guns

#### Detection and Separate Alerts For:

Radar signals (X, K, Ka and Ku bands, with signal strength indicated), laser signals, Safety Alert signals, Strobe Alert signals, Spectre 1 signals, VG-2 signals

#### LaserEve

For 360° detection of laser and strobe signals

#### Instant-On Ready

Detects radar guns with "instant-on" (very fast) speed monitoring capabilities

#### Tone Alert or Voice Alert

With adjustable volume

#### DigiView Data Display

With easy-to-read alpha/numeric dot matrix text readout

#### City or Highway

Modes to reduce false alerts

#### Safety Alert

Traffic warning system distinguishes important safety alerts from other K band signals

#### Strobe Alert

Emergency vehicle warning system

#### Manual Mute or Auto Mute

A mute function of audio alerts

#### IntelliMute

A mute function which automatically reduces false alerts by sensing engine RPMs

#### Mounting

Mounts easily on windshield or dashboard

This booklet describes the simple steps for mounting and setting up your detector. It also provides helpful information about how radar and laser guns are used and how you can interpret the alerts you receive.

#### **Order Form**

Name						
Address (No P.O. Boxe	es)					
City	State/Province Zip	С	ountry			
Telephone						
Credit Card Number	Type: ☐ Visa ☐ MasterCard	☐ Dis	scover	Exp.	. Date	
Customer Cianature						
Customer Signature						
Item #	Description	U.S.	Cost E	Each	Qty	Amount
	Description Straight 12V Power Cord	U.S.	Cost I	Each	Qty	Amoun
Item #	· · · · · · · · · · · · · · · · · · ·	U.S.	Cost E	Each	Qty	Amoun
Item # 420-030-N-001	Straight 12V Power Cord	U.S.	Cost E	Each	Qty	Amoun
Item # 420-030-N-001 420-026-N-001	Straight 12V Power Cord Coiled 12V Power Cord	U.S.	Cost E	Each	Qty	Amoun
1tem # 420-030-N-001 420-026-N-001 545-139-N-001 CLP-2B Amount Shipping/Handling*	Straight 12V Power Cord Coiled 12V Power Cord Windshield Mounting Bracket Dual Port Power Adapter Tax Table	U.S.	Cost E		Qty .s. Subtotal	Amoun
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1tem #	Straight 12V Power Cord Coiled 12V Power Cord Windshield Mounting Bracket Dual Port Power Adapter  Tax Table Wisconsin Michigan, Ohio add 6% Collatonia add 7.36K	U.S.	Cost E	U. (Tax if	.S. Subtotal	Amoun
1tem #  420-030-N-001  420-026-N-001  545-139-N-001  CLP-2B  Amount Shipping/Handling* \$10.00 or less \$3.00 \$10.01-\$25.00 \$5.50	Straight 12V Power Cord Coiled 12V Power Cord Windshield Mounting Bracket Dual Port Power Adapter Tax Table Wisconsin add 5% Indian, Michigan, Ohio add 6%			U. (Tax if	S. Subtotal Applicable)	Amoun

#### 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 from the main menul 8:00 a.m. to 6:00 p.m. Central Time, Monday through Friday (except holidays).

#### 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





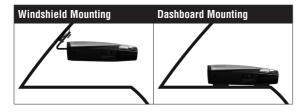


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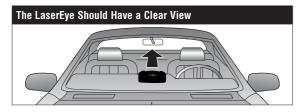
#### Installation

#### 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. Make sure the unit is level with the road. You can also mount it directly on the dashboard.



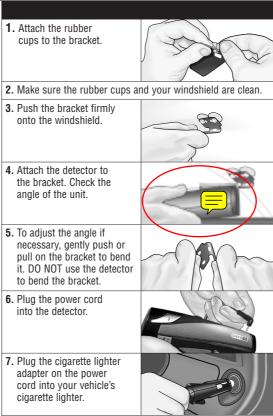
The unit's lens must not be blocked and the LaserEve should have a clear view out the back window to allow 360° detection.



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



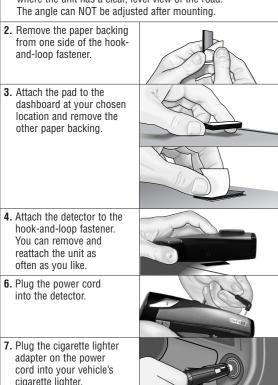
8. You can temporarily remove the detector whenever you wish by pressing the bracket release button and sliding it off the bracket.

### **Getting Started and Settings**

#### Dashboard Mounting

- 1. Place the detector on the dashboard to find a location where the unit has a clear, level view of the road.
- from one side of the hookand-loop fastener.
- **3.** Attach the pad to the location and remove the

- hook-and-loop fastener. You can remove and reattach the unit as
- into the detector.
- adapter on the power cigarette lighter.



### **Getting Started**



#### To Turn On the Unit and Adjust the Audio Volume

Rotate the On-Off/	Tone	Voice	Visual Display	
Volume control clockwise (away from you).	Three beeps	Testing, then three beeps	The display will cycle through the	
nom you).		System Ready, then	user mode settings (Voice Alert,	
Start-Up Complete		Voice Alert	Spectre 1 and VG-2, IntelliMute, City X or Highway status).	
h	Start-up is complete when the display continuously shows the letters indicating the current user settings ( $\texttt{c} = \texttt{City}$ mode, $\texttt{h} = \texttt{Highway}$ mode, $\texttt{i} = \texttt{IntelliMute}$ on)			



In some vehicles, power is supplied to the cigarette lighter even while the ignition is off. If this is the case with your vehicle, you should turn off or unplug your detector when parking for lengthy periods.

#### Settings

When changing the **Settings** on your detector, please keep in mind:

- Buttons can have multiple functions.
- Depending on your choice of Voice Alert or Tone Alert mode, you will hear either voice messages or tones confirming changes in settings.
- All settings will be stored in memory when the power is turned off and recalled when the power is turned back on.

### Highway/City Mode

Setting your detector to City mode delays all X band audio alerts until the signal strength reaches Level 3. (A single beep will sound when the signal is first detected.) This will reduce false alerts while you are driving in, or near, urban areas where there are many sources for conflicting X band signals such as microwave towers and automatic door openers.

To change settings, follow the procedure listed below, which indicates what you will see and hear (either in Voice Alert or Tone Alert mode) as you complete each step. The factory setting is Highway mode.



Press and release	Tone	Voice	Visual Display
the <b>City</b> button.	One beep	City	c appears in the display

To Change From City Mode Back to Highway Mode					
Press and release	Tone	Voice	Visual Display		
the <b>City</b> button again.	Two beeps	Highway	h appears in the display		

#### **DigiView Data Display Brightness**

You can choose from four (4) settings for **Brightness** of the display. You can cycle through the settings by repeatedly pushing the **Dim** button.

The factory setting i	s Bright.		
Press and release Dim Dim button  Dimmer  Dark Indicator	Dim Button Press and • · · · · · release	Scoura	
To Change the Bri	ightness to Dim		
Press and release	Tone	Voice	Visual Display
the <b>Dim</b> button once.	One beep	Dim	Display dims

To Change the Brightness to Dimmer					
Press and release	Tone	Voice	Visual Display		
the <b>Dim</b> button again.	None	Dimmer	Display dims further		

To Change the Brightness to Dark					
Press and release	Tone	Voice	Visual Display		
the <b>Dim</b> button a third time.	One beep	Dark	Display remains dim (no visual alerts will be seen)		

To Change the Brightness to Bright				
Press and release	Tone	Voice	Visual Display	
the <b>Dim</b> button a fourth time.	Two beeps	Bright	Display returns to full brightness	

#### **Muting an Alert**

Your detector allows you to quickly turn off an audio Alert by momentarily pressing the **Mute** button. If you press the **Mute** button a second time during the Alert, the audio Alert will be turned back on.

#### **Auto Mute Mode**

**Auto Mute** will automatically reduce the audio volume of all alerts after four seconds for as long as the signal is detected. The factory setting for Auto Mute is on.



To T	urn	Auto	Mute	Off

Press and release	Tone	Voice	Visual Display
the <b>Mute</b> button while no alert is occurring.	One beep	Auto Mute Off	None

	То	Turn	Auto	Mute	On
--	----	------	------	------	----

10 Turii Auto Mute Ori			
Press and release	Tone	Voice	Visual Display
the <b>Mute</b> button again while no alert is occurring.	Two beeps	Auto Mute On	None

#### 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 11). 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. The factory setting is IntelliMute off.



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

Press and release	Tone	Voice	Visual Display
the <b>IntelliMute</b> button.	Two beeps	IntelliMute On	i appears in the display

Press and release the <b>IntelliMute</b> button again.	Tone	Voice	Visual Display
	One beep	IntelliMute Off	None



### **Settings**

#### What to Remember While Using IntelliMute

IntelliMute works with both 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.







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.



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



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. Depending on whether the unit is in Tone Alert or Voice Alert mode, you will hear a series of beeps or voice messages as you follow the steps on page 11.



button ag...

desired RPMs

Hold IntelliMute Button Rev Level Set

Press Int...



Intelli







#### To Set the IntelliMute Activation Point

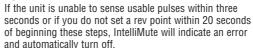
Set!

Press and hold	Tone	Voice	Visual Display
the <b>IntelliMute</b> button for two seconds.	Two beeps	Set Engine Revs	Press IntelliMute button again at desired RPMs
Rev your engine to the level you wish to set (recommend slightly above idle) and hold revs steady for two seconds.	None	None	None
At the desired rev level, press and release the IntelliMute button.	Three beeps	IntelliMute Set	IntelliMute Set!

IntelliMute Not Set







IntelliMu.. Please tr...







ione	voice	visuai Dispiay
Four beeps	IntelliMute Not	IntelliMute not set
	Set, Please Try Again followed by	Please try again
One beep	IntelliMute Off	IntelliMute Off

### **Voice/Tone Setting**

You can set your detector to sound alerts with either a Voice or a **Tone**. You can change settings by using the **Mute** button.

In Voice Alert mode, you will first hear several tones, then a voice message announcing the type of signal detected, followed by more tones. In **Tone Alert** mode, you will hear the tones only. The factory setting is **Voice Alert** mode.



To Change From	Voice Alert to	Tone Alert
----------------	----------------	------------

While no signal	Tone	Voice	Visual Display
is being detected, press and hold the <b>Mute</b> button for two seconds.	One beep	Tone Alert	None

To Change From	Tone Alert Back to Voice Alert

•			
While no signal	Tone	Voice	Visual Display
is being detected, press and hold the <b>Mute</b> button for two seconds again.	None	Voice Alert	None



#### Spectre 1 and VG-2 Alert Audio Settings & Ku Band Detection

The detector is undetectable by police Spectre 1 and VG-2 radar detector detectors 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 and VG-2 alerts. The factory setting is Spectre 1 and VG-2 alert on.



To Turn Spectre 1 and VG-2 Alerts Off and On			
While no signal is being detected, press and hold the <b>Dim</b> button for two seconds.	Tone	Voice	Visual Display
	One beep	Spectre VG-2 Off	Spectre1 & VG 2 Off
	Two beeps	Spectre VG-2 On	Spectre1 & VG 2 On

The new **Ku band** may be introduced to North America in the future. To prevent false alerts until it is, the factory default for **Ku band** detection is off.

To Turn Ku Band Detection On or Off			
While no signal	Tone	Voice	Visual Display
is being detected, press and hold the <b>Dim</b> button for two seconds to set	Two beeps	Ku On	Ku On
Spectre 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	One beep	Ku Off	Ku Off
two seconds again.			

#### **Detection**

#### **Detection**

#### Signals Detected

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

#### **Audio Alerts**

In **Voice Alert** mode you will first hear several tones, then a voice message announcing the type of signal detected, followed by more tones. In Tone Alert mode, you will hear the tones only.

In both Voice Alert and Tone Alert modes, a distinctly different alert tone is used for each type of signal detected (including separate tones for each laser signal). For X, K, Ka and Ku 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 17.)

### **Visual Display**

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

#### Signal Strength Chart

Signal Strength = 1 (Weakest Signal)	Signal Strength = 2	Signal Strength = 3
-		-==
Signal Strength = 4	Signal Strength = 5 (Strongest Signal)	
_ = = =	_ = = = =	

#### Radar Signals, Voice and Visual Displays

Type of Signal	Voice	Visual Display
X Band Radar	X Alert	X and Signal Strength
K Band Radar	K Alert	K and Signal Strength
Ka Band Radar	Ka Alert	Ka and Signal Strength
Ku Band Radar	Ku Alert	Ku and Signal Strength

Signal	Detected	K
<b>□</b> .∃		

Signal Detected

Ka Signal Detected **Ku Signal Detected** 





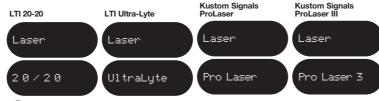




acar	Signale	Voice	and	Vieual	Displays

Type of Signal	Voice	Visual Display
LTI 20-20*	Laser Alert	Laser 20/20
LTI Ultra-Lyte*	Laser Alert	Laser UltraLyte
Kustom Signals ProLaser*	Laser Alert	Laser Pro Laser
Kustom Signals ProLaser III*	Laser Alert	Laser Pro Laser 3

<sup>\*</sup> Your detector provides 360° detection of these signals.





Beep rate changes with different laser alerts.



# **Detection**

#### **Instant-On Detection**

Your detector is designed to detect Instant-On speed monitoring signals, which can suddenly appear at full strength.



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

### Responding to Alerts

nesponding 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, but possibly pulsed radar, Spectre 1 or VG-2 nearby	Exercise caution	
Tone instantly begins repeating rapidly.	Radar, Spectre 1 or VG-2 nearby has been activated suddenly	FULL ALERT	
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	
Any Safety Alert or Strobe Alert.	You are nearing an emergency vehicle, railroad crossing, or road hazard (construction, accident, etc.)	Exercise caution	

Strobe and Safety Alert Signals, Voice and Visual Displays		
Type of Signal	Voice	Visual Display

,, , , , , , , , , , , , , , , , , , ,		
3M Opticom or Tomar*	Emergency Vehicle Approaching	Emergency Vehicle
Emergency Vehicles	<b>Emergency Vehicle Approaching</b>	Emergency Vehicle
Road Hazards	Road Hazard Ahead	Road Hazard
Trains	Train Annroaching	Train

<sup>\*</sup> Your detector provides 360° detection of this signal.

Strobe Alert Display (Flashing)

Emergency Alert Signal Detected

Road Hazard Alert Signal Detected

Train Alert Signal Detected

Emergency...

Emergency...

Road

Train

Hazard



There are different tones for each Safety Alert.

#### Spectre 1 Alert Signal Voice and Visual Display

Spectre 1 Alert Signal, Voice and Visual Display			
Type of Signal	al Voice Visual Display		
Spectre	Spectre Alert	Spectre1	

Spectre 1 Alert Signal Detected

Spectre1



There are different tones for each alert.

#### VG-2 Alert Signal, Voice and Visual Display

Type of Signal	Voice	Visual Display
Interceptor VG-2	VG-2 Alert	VG2

VG-2 Alert Signal Detected





There are different tones for each alert.

16 English



#### **Understanding Radar and Laser**

#### **Radar Speed Monitoring Systems**

Four band frequencies have been approved by the Federal Communications Commission (FCC) for use by speed monitoring radar equipment:

X band 10.525 GHz K band 24.150 GHz

33.400 - 36.00 GHz Ka band

13.435 GHz Ku band

Your detector detects signals in all four radar bands.

#### Spectre 1 and VG-2

**Spectre 1** and **VG-2** 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 Spectre 1 or VG-2, but does detect Spectre 1 and VG-2 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:

- Does 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.

#### **Specifications**

#### 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.)

### **Specifications**

#### **Band and Frequencies**

Band	Frequencies		
X Band	10.525	± 0.050	GHz
K Band	24.125	± 0.125	GHz
Safety Alert	24.070	± 0.010	GHz
Traffic Warning System	24.110	± 0.010	GHz
Oyotom	24.190	± 0.010	GHz
	24.230	± 0.010	GHz
Ka Band	34.700	± 1.300	GHz
Ku Band	13.435	± 0.050	GHz
Laser	910	± 50	nm
Strobe	700	± 300	nm

#### **Unit Dimensions and Weight**

Dimensions* (H x W x D)	Weight*
11/3" x 23/4" x 41/3"	5.11 oz.
(34 mm x 70 mm x 110 mm)	(145 g)

<sup>\*</sup> 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. Additional patents may be listed inside the product or pending.

## Warranty

### **Limited 1-Year Warranty**

#### For Products Purchased in the U.S.A.

Cobra Electronics Corporation warrants that its Cobra 12 Band Radar/Laser Detectors, and the component parts thereof, will be free of defects in workmanship and materials for 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 12 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 and** Trademark Acknowledgement

#### **Product 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 on page A1.

If this product should require factory service, please call Cobra first at 773-889-3087 BEFORE sending the product. This will ensure the fastest turnaround 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) 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 to four 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®, 6 Band®, 9 Band®, DigiView®, EasySet®, Extra Sensory Detection®, IntelliShield®, LaserEve®, Nothing Comes Close to a Cobra®, Safety Alert® Traffic Warning System, Strobe Alert®, VG-2 Alert®, Xtreme Range Superheterodyne® and the snake design are registered trademarks of Cobra Electronics Corporation, USA.

Cobra Electronics Corporation™. 12 Band™. IntelliMute™. Revolution™ Series. RoadReadv™. SmartPower™, Spectre Alert™, UltraBright™, and Voice Alert™ are trademarks of Cobra Electronics Corporation, USA.

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<sup>™</sup> are a 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

### **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.



Straight 12V DC Power Cord

Includes plug and fuse Item # 420-030-N-001



**Windshield Mounting Bracket** 

Includes suction cups Item # 545-139-N-001



Coiled 12V DC Power Cord

Includes plug and fuse Item # 420-026-N-001



**Dual Port Power Adapter** 

Includes adjustable plug (up to 90°) and fuse Item # CLP-2B