

# 1, The Ghost Radar/ Laser Detector



Advanced Radar and Laser defense system

This Device complies with Part 15 of the FCC Rules.

Operation is subject to the following 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.

**Note:** The Manufacture in not responsible for any Radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

## Introduction

Dear owner,

Thank you for purchasing The Ghost Series radar/laser detector with VCO technology. Your radar detector detects all speed monitoring radar & laser signals, is designed to help your drive safe with visual and audio alerts.

It is recommended to read this entire manual for full understanding the operation of your radar/laser Detector.

Enjoy and drive safe with The Ghost Series radar/laser detector.

## Features

- World-Wide Band : X, Ku, K, New K, Super wide Ka
- Laser Detecting: 360 degree Laser
- Applied Low Noise VCO Technology
- Ultra High Sensitivity by FET Technology
- Undetectable by VG-2, Spectre/Stalka and any existing Radar Detector Detector
- Low Current Consumption
- LED or Text display
- Buzzer or Voice Alert
- Quick Power Volume Button
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- Bright, Dark & Dimmer Mode

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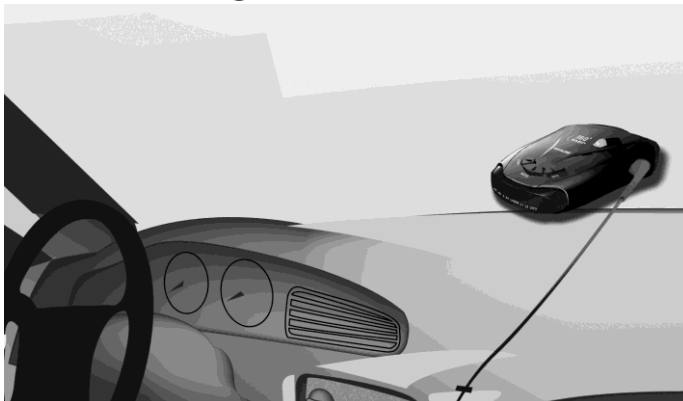
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# **1. Installation**

### **Mounting Your Unit**

- Mount the unit at the center of the windshield as low as possible to get optimum performance from your detector.
- Unit's lens/View should not be blocked.

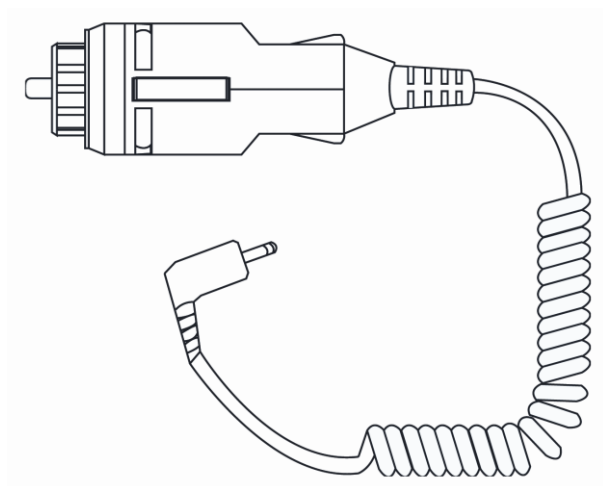
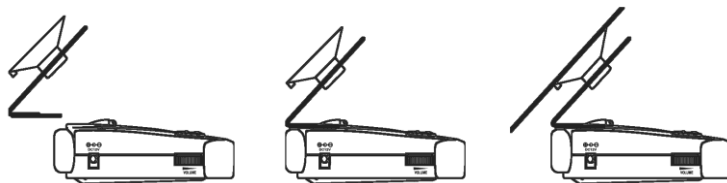
### **Windshield Mounting**



### **(1)Power connection**

The Ghost Series detector is designed to operate with DC12V negative vehicle electrical

systems. You can connect the power with the provided power cable.



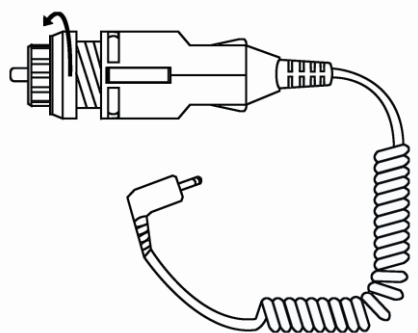
- 1) Plug the small end of the power cable into the unit's power jack.
- 2) Plug the large end of into the vehicle's cigarette jack.

► If the unit does not operate even though it is properly connected to the cigarette socket, check the socket and the fuse in the adaptor & vehicle's fuse box carefully.

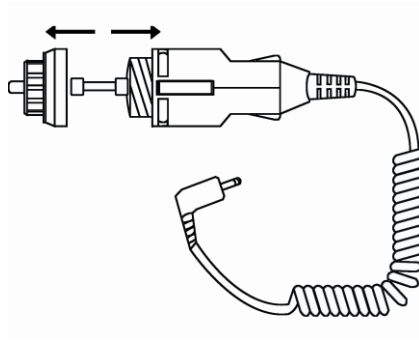
## (2)Fuse Replacement

If the detector stops operating, the fuse in the cigarette lighter plug might be blown. Follow below steps to replace it with 250V and 2A fuse.

- 1) To replace the fuse, unscrew the tip of the plug carefully as the spring in the tip could fly out when disassemble.

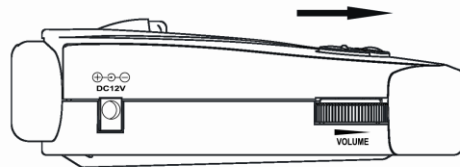


- 2) Should it blown, remove the fuse and insert the new fuse.



### (3)Power Self-Test

Connect the power and rotate the On-Off/Volume Control Dial clockwise until it clicks.

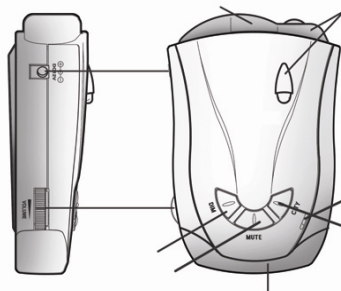


When the detector is powered up, a distinctive tone for each signal will sounds and LEDs will flash in sequence as a self-test. And then all LEDs will be off except the power LED.

### (4)Volume adjustment

To adjust volume level, rotate the On-Off/Volume Control Dial either clockwise or in the reverse direction.

## 2. Operation



#### (1)Power On-Off/Volume Control

Turn the detector on/off and control the volume level.

#### (2)City Button

City mode will reduce false alerts while driving in or near urban areas. You can select this mode by press the City button and one more press will switch to Highway mode.

### (3)Mute Button

If you press the Mute Button, it will make a beeping sound and cancel audio/voice alerts. To resume audio/voice alerts, press the Mute Button again and Mute LED will be off.

### (4)Dim Button

Press the Dim Button to reduce the illumination of the display. The detector provides 3-levels brightness of LED.

### (5)Power Jack

You can connect the power using the Power cord(cable) enclosed with the detector.  
The detector operates with DC12V~DC16V range.

### (6)Audio Alert Outlet

You can hear audio alert with beep sound through this outlet.  
\*Voice alert is option.

### (7)Laser Optical Sensors

Collect laser signals from any direction with increased sensitivity.

### (8)Antenna Opening

High efficiency Antenna receives radar signals.

### (9)LED Indicators (8EA)

## 3.Description of Modes

### (1)City Mode

The City Mode is designed to reduce the annoyance of non-traffic radar system such as automatic door openers, intrusion alarms, microwave traffic signal controllers and other devices which share frequencies with police radar.

Radar signals from non-traffic radar system are frequently encountered in urban and sub-urban areas. The detector will produce no audio alert only the Band Indicator LED will blink in this mode. In City Mode, weak non-police radar signals give no audio alert. When the signal strength increases, the detector will provide audio alert with Band Indicator LED's blinking.

### (2)Dim Mode

The Ghost radar detector provides 3-levels of brightness.

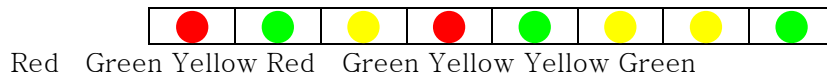
You can select the levels by pressing the Dim Button. The 3-levels brightness will cycle as per each pressing of the Button. Use of the Dim Mode has no effect on audio alerts.

### (3)Mute Mode

Pressing of Mute Button provides muting of audio alerts and Text display will be on. If you press Mute Button again, the detector will resume audio alert mode and Text display.

## 4.Alerts

Description of LED								
P/X	Ku	K	Ka	Laser	L1	L2	City	



### (1) Radar Alert

When the detector receives radar signal;

- 1) Different audio alerts will be provided for 'X', 'Ku', 'K' and 'Ka' band radar signals. The beep will sound faster and faster as the radar signal gets stronger.
- 2) The different Band Indicator LED will be turned on or blink in unison with the different audio alert.
- 3) The Signal Strength LEDs will blink as the strength of signals.

[Example] Visual Alert (at X Band)

Strength 1 : P/X LED blinking  
 Strength 2 : P/X LED on  
 L1 LED blinking  
 Strength 3 : P/X LED on  
                   L1 LED on  
                   L2 LED blinking  
 Strength 4 : P/X, L1, L2 all on

### (2) Laser Alert

When the detector receives laser signal, Laser LED will blink with continuous audio alert.

### (3) VG-2, Spectre/Stalka Alert

The Ghost Series are radically undetectable by VG-2, Spectre/Stalka and any existing RDD.

## 5. Troubleshooting

Your Ghost Series detector is designed and engineered to provide you with reliable, trouble-free operation. If it is not working optimally, please refer to the troubleshooting guide below.

#### **Problem: If No display or audio:**

- ▶ Check the cigarette lighter socket and clean it.
- ▶ Check the power cord and make it sure that all power connectors are properly installed.
- ▶ Check the fuse for lighter socket and replace it if necessary.
- ▶ Check the vehicle's electrical system.
- ▶ Make sure that the volume control is in the ON position.

**(Caution)** Do not place any metal substance other than the cigarette lighter or a cigarette lighter plug in the cigarette lighter socket.

**Problem: If the detector alarms when vehicle hits bumps:**

- ▶ Check for loose lighter socket; tighten and clean.
- ▶ Check connections at both ends of power cord.

**Problem: If the receiving signal is weak:**

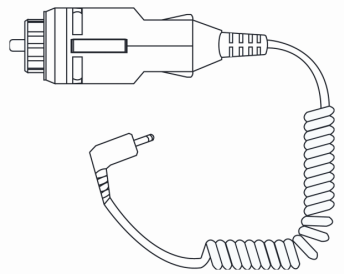
- ▶ Check the angle of the detector and make it level.
- ▶ Check the detector antenna and laser sensor not to be obstructed.
- ▶ Relocate the detector for clear view
- ▶ Determine whether your vehicle has an electric clear or it is covered with a metallic sun screen.

## 6.Specifications

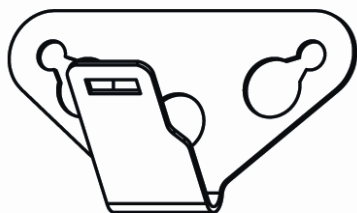
- Laser Spectral Response: 800~1,100nm
- General Specification
  - Operating Temperature : -4 to 176°F (-20 to 80°C)
  - Power Condition: 12~16V DC, 260mA
  - Dimension: 70.7(W) x 107.8(H) x 34.2(D)
  - Weight: 122g

## 7.Accessories

- Coiled Power Cord



- Mounting Bracket



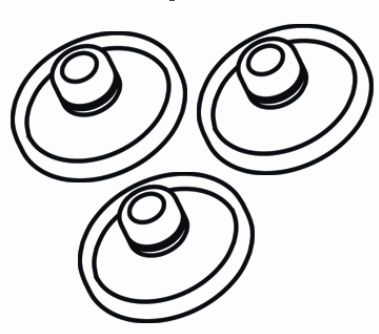
- User's Manual



# THE GHOST™

Advanced Radar and Laser defense system

## ■ Suction Cups : 3EA



## ■ Power Cord Fuse

