At Uniden, we'll take care of you!

If you need any assistance with this product, please call our Customer Hotline at:

1-800-297-1023

PLEASE DO NOT RETURN THIS PRODUCT TO THE PLACE OF PURCHASE.

Our Uniden representatives will be happy to help you with any matters regarding the operation of this unit, available accessories, or any other related matters.

Hours: M-F 7:00 a.m. To 7:00 p.m., Central Standard Time

Thank you for purchasing this Uniden product.
INTRODUCTION

Welcome to the world of sophisticated, early warning laser/radar detection. You have purchased one of the most advanced laser/radar detectors available. The LRD 967 is a completely integrated laser/radar detector. It responds to the X, K, and Ka-Super Wideband radar guns in use today and also provides 360° detection of the latest speed monitoring system — the laser gun. The built-in Safety Warning System (SWS)™ is capable of detecting a hazardous warning signal.

The LRD 967 provides distinct visual and audio alerts to warn you of the presence of X, K, and Ka-Super Wideband radar signals as well as IR laser signals and Safety Warning System. You can drive with confidence when you bring along the LRD 967.

The LRD 967 employs a state-of-the-art electronic system designed to make this radar detector invisible to all current VG-2 radar detectors. The LRD 967 will also warn you of VG-2 use.

We are certain that you will enjoy the LRD 967, and to ensure that you get the most from its features, please read this Reference Guide carefully before installing and operating the unit.

FEATURE HIGHLIGHTS

- 360° Laser Detection
- Safety Warning System™
- All Band Coverage (X, K, Ka)
- 8 Alarm Tones
- Super Wideband Ka
- VG-2 Undetectable
- SWS, Laser priority
- VG-2 Alert
- Pulse Detection
- Warning Lights
- Visual Only Mode
- Auto Mute Mode
- Audio Only Mode
- Self Test
- City and Highway Modes
- Auto Memory Mode
- Voice Announcement Alert
- Demonstration Mode

PARTICULAR PURPOSE, THIS WARRANTY DOES NOT COVER OR PROVIDE FOR THE REIMBURSEMENT OR PAYMENT OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow this exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

LEGAL REMEDIES: This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This warranty is void outside the United States of America.

PROCEDURE FOR OBTAINING PERFORMANCE OF WARRANTY: If, after following the instructions in the owner’s manual you are certain that the product is defective, pack the product carefully (preferably in its original packaging). The product should include all parts and accessories originally packaged with the product. Include evidence of original purchase and a note describing the defect that has caused you to return it. The product should be shipped freight prepaid, by traceable means, to warrantor at:

Uniden America Corporation
1(800)297-1023
4700 Amon Carter Blvd
7:00 a.m. to 7:00 p.m., Central
Ft. Worth, TX 76155
Monday through Friday

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Printed in Korea LRD 967
ONE YEAR WARRANTY

Important: Evidence of original purchase is required for warranty service.

WARRANTOR: UNIDEN AMERICA CORPORATION ("Uniden")

ELEMENTS OF WARRANTY: Uniden warrants, for one year, to the original retail owner, this Uniden product to be free from defects in materials and craftsmanship with only the limitations or exclusions set out below.

WARRANTY DURATION: This warranty to the original user shall terminate and be of no further effect 12 months after the date of original retail sale. The warranty is invalid if the product is (A) damaged or not maintained as reasonable or necessary, (B) modified, altered, or used as part of any conversion kits, subsystems or any configurations not sold by Uniden, (C) improperly installed, (D) serviced or repaired by someone other than an authorized Uniden service center for a defect or malfunction covered by this warranty, (E) used in any conjunction with equipment or parts or as part of any system not manufactured by Uniden, or (F) installed or programmed by anyone other than as detailed by the owner's manual for this product.

STATEMENT OF REMEDY: In the event that the product does not conform to this warranty at any time while this warranty is in effect, warrantor will either, at its option, repair or replace the defective unit and return it to you without charge for parts, service, or any other cost (except shipping and handling) incurred by warrantor or its representatives in connection with the performance of this warranty. Warrantor, at its option, may replace the unit with a new or refurbished unit.

THE LIMITED WARRANTY SET FORTH ABOVE IS THE SOLE AND ENTIRE WARRANTY PERTAINING TO THE PRODUCT AND IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES OF ANY NATURE WHATSOEVER, WHETHER EXPRESS, IMPLIED OR ARISING BY OPERATION OF LAW, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A

INCLUDED WITH YOUR RADAR DETECTOR

To get the most from your laser/radar detector, please read this Reference Guide thoroughly.

TIP

Be sure to complete and mail the product registration card included with your radar detector.

NOTE

If any of these items are missing or damaged, immediately contact your dealer or the Uniden Parts Department at (800)554-3988. Hours are from 7:00 a.m. to 5:00 p.m. Central time Monday through Friday. We can also be reached on the Web at www.uniden.com

Reference Guide

Windshield Clip

Printed Material

Fuse (3AG / 2 Amp. / 250V)

Cigarette Lighter Adapter
SPEED DETECTION SYSTEMS

A speed detection device (often called a radar gun) sends out either a microwave signal or a beam of light. When this signal reaches its target, part of the signal is reflected or bounced back toward the emitting gun. The time required for the signal to leave the gun, bounce off an object, and return is used to determine a vehicle’s distance and speed.

Radar

Radar (Radio Detection and Ranging) is a microwave system for detecting the speed of moving objects by reflected pulses of high frequency radio waves. There are three radar bands (microwave frequencies): X band (10.48 to 10.56 GHz), K band (24.04 to 24.26 GHz), and the “superwide” Ka band (33.4 to 36 GHz).

The X band was the first used for traffic, followed by the K band which is harder to detect (most instant-on radar is K band). The Ka band was introduced in 1987, and widened to Ka Super Wideband in 1990 by the FCC. The LRD 967 monitors all current radar bands including the entire Ka Super Wideband.

The radar beam is conical shaped — the narrower the beam, the greater the resolution. A moving vehicle reflects radar signals back towards the radar gun. The LRD 967 can detect the signals emitted by radar guns, it will sound an audio alarm and flash a warning indicator. For continuously transmitting radar, use the LRD 967 to get accurate detection from a safe distance. Weak signals cause the audio and visual alarms to activate intermittently, but as the signal gets stronger (the closer you get to the radar gun), both alarms increase in intensity.

Instant-on transmitters fire a short radar pulse beam at a vehicle and instantly read its speed. When detected at a distance, you will hear a few beeps, voice alerts and see the signal strength meter increase at a rate relative to the signal strength. The stronger the signal, the higher the signal strength number. Instant-on radar signals are the most difficult to detect at a safe distance because they are transmitted only when directed at you or at a vehicle directly ahead of you.

GENERAL

Dimensions: 3.8in(L) x 2.6in(W) x 1.3in(H)
Weight: 4.0oz
Power Requirements: 12 – 16VDC, 310mA
Temperature Range:
Operating: -5°F to 180°F (-20°C to 70°C)
Storage: -40°F to 185°F (-40°C to 85°C)

360° LASER DETECTOR

Receiver Type: Pulse Laser Signal Receiver
Sensor Front End: Convex Condenser Lens
Detector Type: Pulse Width Discriminator
Receiver Bandwidth: 30 MHz
Spectral Response: 800-1100 nm
Alert Hold Time: 3 seconds

RADAR DETECTOR

Receiver Type: Dual Conversion
Detector Type: Scanning Frequency Discriminator
Antenna Type: Linear Polarized, Self-Contained Antenna
Sensitivity:
X band = -110 dBm/cm²
K band = -110 dBm/cm²
Ka Super Wideband = -100 dBm/cm²

Frequency of Operation:
10.490 - 10.560 GHz (X band)
24.040 - 24.260 GHz (K band)
33.40 - 36.00 GHz (Ka Super Wideband)

Specifications subject to change without notice.
## Troubleshooting

If your LRD 967 does not perform to expectations, try the suggestions listed below. If you cannot get satisfactory results, call the Uniden Customer Service Center at (800) 297-1023, 7:00 a.m. to 7:00 p.m. Central Time, Monday through Friday.

<table>
<thead>
<tr>
<th>Condition</th>
<th>Solution</th>
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| Unit does not operate. (No indications on the display panel) | - Check the power cord. Be sure the connectors are properly installed.  
- Be sure ignition key is ON or in the accessory position.  
- Fuse out. Check and replace.  
- Check power to lighter socket.  
- Vehicle electrical problem exists.  
- Make sure that the volume control is in the ON position.  
- Clean cigarette lighter socket. |
| Unit fails the self test. | - Call Uniden Customer Service Center, (800) 297-1023. |
| Weak detection. | - Check angle of unit, Point to the horizon.  
- Antenna/Sensor is obstructed. Move the unit clear of any obstruction outside the windshield, such as a wiper blade.  
- Move the unit clear of the window tint. |
| Inaccurate or erratic detection. | - Loose power cord. Check both connectors.  
- Power cord is broken. Check and replace.  
- Beeps over bumps or rough road. | - Check that the power cord is connected at both ends.  
- Clean cigarette lighter socket. |
| Beeps at same location. | - Failing because you have passed a motion sensor or alarm.  
- For highway use, make sure the City Mode is OFF.  
- Increase the volume. |
| LEDs are blinking, but no audio. | - Reposition the unit so that the bumpers are firmly against the windshield. |

### Laser

The Laser Speed Detection System, also called LIDAR (for Light Detection and Ranging), uses a laser gun that emits infrared light pulses just outside the spectrum of visible light. Each reflected pulse measures the speed of the object coming toward or going away from the laser gun.

Unlike radar, the laser gun emits a very narrow beam of light, so it can pinpoint a speeding car within traffic. The infrared beam spreads out, but slowly and over a longer distance than a radar signal.

The laser gun can acquire a speed reading as quickly as 0.3 seconds, sometimes less. However, since it isn’t easy to accurately aim at and hit a moving target, an operator often moves the laser gun in several directions to get a reading. So laser signals are emitted continuously for a few seconds for each speed measurement.

The LRD 967 can detect these light pulses from as far away as 1.5 miles, which is about four times the effective range of a laser gun (2,000 feet), and about ten times its average operating range (500-800 feet).

### Caution

To be safe, do not ignore any warnings. Although there are other types of radar signals that may cause interference, when the LRD 967 detects a signal, be on the alert. It is important to exercise caution at all times.
CONTROL AND FUNCTIONS

1. On-Off Volume Control — Turns the power on and adjusts the Audio Alert volume.
2. Rear and Side Laser Detector Lens — For rear and side detection of laser signals.
3. Clip Release — Press the clip release button to remove the LRD 967 from the windshield mounting clip.
4. Press the CITY button to help reduce X band false alarms while driving in the city. When you turn on the City Mode, the "C" will be displayed and the voice "City Mode" will be heard. While driving on highways, when you turn off the City Mode, the "H" will be displayed and voice "Highway Mode" will be heard.
5. Press the AUDIO button to activate the Audio Only operation. When the button is pressed the first time, all LEDs dim and when the button is pressed again, the unit is in Audio only mode.
6. Press the MUTE button to activate the Audio and Voice Mute operation. When the button is pressed the first time, the unit is in Audio only Mode and Voice Mute Mode. When the button is pressed again, the unit is in Audio Mute and Voice Mute Mode.
8. DC 12V Power Input — Connect the DC power cord here.
9. Speaker — Sounds audio alert and voice alert. There are eight different audio alert tones and voice alerts to distinguish each type of signal received. When you become familiar with all the distinct alert tones, you can operate the LRD 967 just by listening, devoting your full attention to the traffic in front of you.

NOTE: Foldout the back cover of this reference guide to refer to the "Illustration" page.

SWS WARNING MESSAGES

Weather Related Hazard
- High wind ahead
- Severe Weather ahead
- Heavy fog ahead
- High water / Flooding ahead
- ICE on bridge ahead
- ICE on road ahead
- Blowing dust ahead
- Blowing sand ahead
- Blowing snow ahead
- Blowing snow white area ahead

Travel Information Convenience
- Rest area ahead
- Rest area with service ahead
- 24 Hour fuel service ahead
- Inspection station open
- Inspection station closed
- Reduced speed area ahead
- Speed limit enforced
- Hazardous materials exit ahead
- Congestion ahead / Expect delay
- Expect 10 Minute delay
- Expect 20 Minute delay
- Expect 30 Minute delay
- Expect 1 Hour delay
- Traffic alert / tune am radio
- Pay toll ahead
- Trucks exit right
- Trucks exit left

Fast / Slow Moving Vehicle
- Emergency vehicle in transit
- Police in pursuit
- Oversize vehicle in transit
- Slow moving vehicle

(Note: Three messages are reserved for future use.)
SWS WARNING MESSAGES

Highway Construction
- Work zone ahead
- Road closed ahead / Follow detour
- Bridge closed ahead / Follow detour
- Highway work crews ahead
- Utility work crews ahead
- All traffic follow detour ahead
- All trucks follow detour ahead
- All traffic exit ahead
- Right lane closed ahead
- Center lane closed ahead
- Left lane closed ahead

Highway Hazard Zone Advisory
- Train approaching / at crossing
- Low overpass ahead
- Drawbridge up
- Observe bridge weight limit
- Rock slide area ahead
- Sharp curve ahead
- Pedestrian crossing ahead
- Deer / Moose crossing
- Blind / Deaf child area
- Steep grade ahead / truck use low gear
- Accident ahead
- Poor road surface ahead
- School bus loading / unloading
- No passing zone
- Dangerous intersection ahead
- Stationary emergency vehicle ahead

DISPLAY PANEL

The LED display panel indicates each mode of operation, when a signal is not received.

City mode : "C" appears on the display.
Highway mode : "H" appears on the display.
Audio mode (dim) : The intensity of all LEDs are reduced to dim.
Audio-only mode (dark) : All LEDs except C/H turn off.

Mute-on mode : When the Mute Button is pressed the first time, the unit is in Audio only Mode and Voice Mute Mode. When Mute Button is pressed again, the unit is in Audio Mute and Voice Mute Mode.

Mute-off mode : A dot on the LED display panel is not present.

HINT

Every time you turn on the LRD 967 a self test is performed for all visual and audio alerts. You will hear, in order, six distinct tones for the X, K, and Ka-Super Wideband radar bands, as well as Laser, SWS and VG2. The first LED will show the signal level meter of the detected signal.

NOTE: Foldout the back cover of this Reference Guide to refer to the "Illustrations" page.
SELECTING A LOCATION

The LRD 967 uses a highly sensitive horn-type antenna and IR laser sensor to receive laser/radar signals. Its sensitivity and range depend on the method of installation and the direction of the antenna/sensor in relation to the signal source. The inherent nature of radar waves makes them reflect off metallic surfaces. This is why these waves are so useful for measuring the speed of a vehicle. The IR laser light may reflect only from shiny surfaces. Both radar waves and IR laser light will, however, pass through plastic or glass.

Before you decide where to put your radar detector, please keep in mind these two important factors:

- For safety, do not mount the LRD 967 in a location where it will obstruct your driving vision.
- Most vehicles have the top part of the windshield tinted. Mounting the LRD 967 behind tinted or mirrored glass may reduce the effectiveness of laser detection by reducing the amount of laser light received by the detector.

SAFETY WARNING SYSTEM OPERATION

The Safety Warning System (SWS) is a new communication system that will provide an early warning when a road hazard exists. The LRD 967 is capable of detecting the SWS signal broadcast on the K band by either law enforcement, emergency services or local departments of transportation. When the alert and the SWS voice message is heard, the LED marked under "S" on the display panel begins to flash, you should turn to your local radio traffic reports, prepare to slow down or stop your vehicle. You could be approaching an accident, or bad road conditions caused by weather, road crews, or construction.

CARE AND MAINTENANCE

The LRD 967 is designed to give you years of trouble-free service. There are no user-serviceable parts inside, except for the fuse in the power cord. No maintenance is required. To keep your detector in like new condition, follow these important suggestions:

- Never leave the LRD 967 on the windshield when you park your vehicle. The temperature in the vehicle in the summer can reach levels above what is considered to be safe for this unit.
- To make you less susceptible to break-in and theft, remove the unit from your windshield when you leave your vehicle.
- Do not expose the unit to moisture. Rain, dew, road splash, or other liquids can damage the internal components and reduce sensitivity of the LRD 967.
**CITY OPERATION**

In highly populated areas, you may encounter many devices that use the same frequencies as radar signals, such as motion detectors, automatic doors, and intrusion alarms. These devices may trigger an alert called "false." To filter most of the weaker signals and get the most accurate radar signal recognition, press CITY to turn on the City mode. The "C" will be displayed and voice "City mode" will be heard when City mode is selected. The "H" will be displayed and voice "Highway mode" will be heard when City mode is not selected.

**HELPFUL TIPS**

The antenna and the forward looking sensor are located behind the rear panel of the unit, (and the rear- and side-looking sensors are located on top of the unit), directly behind the mode selection keys. The antenna and sensors should not be obstructed by metal or metallic surfaces and should be pointed at the horizon for accurate long-range detection.

- Do not mount the unit behind the windshield wiper blades, radio antenna, tinted glass area, or mirrored glass. Be sure the unit is free from obstruction by seat backs, rear view mirror, sun visors, or the ceiling of the automobile.
- Do not mount the unit in front of the heater or defroster vents.
- Do not leave the unit in direct sunlight or in the glove compartment of a closed car for long periods of time, as extreme changes in temperature may cause internal damage. Also, removing the unit from the windshield makes you less susceptible to break-in and theft.
ADJUSTING THE WINDSHIELD MOUNTING CLIP

1. The metal portion of the bracket locks into the unit at two different positions. These positions can be used for vehicles with two different vertical angles of their windshields. The back position can be used for vehicles with windshields that are slanted back.

2. For optimum laser detection, gently bend the angled portion of the windshield mounting bracket so that the LRD 967 is parallel to the road surface. Be sure the LRD 967 is mounted so it is free of obstructions from seat backs, rear view mirror, sun visors, or the ceiling of the automobile. There must be a clear 360° line of sight to the outside of the vehicle.

To mount the LRD 967:
1. Press the button on top of the radar and insert the windshield clip into the LRD 967. The metal portion of the bracket locks into the unit.
2. Place the bracket and the LRD 967 in the proper location on the windshield of your vehicle, and press the suction cups firmly against the windshield.

VISUAL ALERT ONLY OPERATION

You can operate the LRD 967 in Visual Alert only by setting the VOLUME control at the minimum position in Full Alert Mode. At this setting you can barely hear the audio alert in a quiet environment.

AUTO MUTE OPERATION

Press the MUTE button to activate the Auto Mute feature. A dot on the LED display panel will appear next to the City / Highway mode indicator.

WARNING
If the volume control is turned down and Audio Only operation is selected, the alarm features are completely disabled.

When the Mute Button is pressed once or a second time, the unit is in Auto Mute Mode. When the Mute Button is pressed the first time, the unit is in Audio and voice Mute Mode. When the Mute Button is pressed again, the unit is in Audio Mute and Voice off Mode.
FULL WARNING

The City / Highway mode indicator displays an alert level value from level 1 to 5. (Level 5 represents the closest and level 1 represents a distant signal.)

AUDIO ALERT ONLY OPERATION

Press the AUDIO button for Audio Alert only operation.

NOTE

Make sure the VOLUME control is not set to minimum during Audio Alert only operation.

CONNECTING THE POWER

The LRD 967 is designed to operate on most 12 VDC negative ground vehicle electrical systems. The power cord provided with the unit has a cigarette lighter socket plug at one end and a small connector at the other.

1. Insert the small connector into the jack on the side of the unit.

TIP

Use only a Uniden supplied power cord or its replacement. Replacement power cords are available through the Uniden Parts Department, (800)554-3988. Refer to page 3 for hours of operation.

Audio Alert only operation is useful for reducing visual distractions. The intensity of all LEDs are reduced to dim after the first press of the AUDIO button. When the AUDIO button is pressed again, the Radar and Laser Band LEDs (X, K, Ka, L, S, and V) are turned off. If the AUDIO button is pressed again, the unit returns to full Alert operation (Audio and Visual Alert).

2. Insert the other end into the cigarette lighter socket of your vehicle.

When installing the power cord, make sure that:
- The socket is clean to allow proper contact.
- The power cord does not block the antenna area on the back of the unit.
REPLACING THE FUSE

The cigarette lighter plug contains a 2-ampere fuse to protect it from power surges.

1. To replace the fuse, unscrew the top of the plug.

2. Remove the fuse and replace it with the same type.

3. To replace the top, push in the two metal contacts and twist into place.

You are now ready to enjoy the convenience and security of your LRD 967. Please read this section of the Reference Guide carefully to familiarize yourself with the basic operation of this unit.

POWER ON

Turn the volume control to switch on the power. When you power up the LRD 967, it performs a self-test of all its circuits as it automatically demonstrates the process in the following order: X → K → Ka → Laser → SWS → VG2. You will hear all the different alert tones and see the corresponding LEDs light. After the LRD 967 confirms proper operation, the alert tones turn off and the LED display panel shows “C” or “H” representing the operational mode.

DEMONSTRATION

To demonstrate the audio and visual alerts, press and hold both the AUDIO and CITY buttons while turning on the LRD 967. Next, press the CITY button. It gives you the audio, voice and visual alerts for X-band. You can demonstrate all the audio and visual alerts for each band by pressing the CITY button repeatedly. It is programmed to demonstrate its operations in the following band order: X → K → Ka → PROLaser → LT2020 → Ultraline → SWS → VG2. When you finish, press the AUDIO button to cancel the demonstration mode.

VOLUME CONTROL

Adjust the VOLUME control to a comfortable alarm tone level for your vehicle. The volume level does not have any effect on the unit’s sensitivity. It is best to adjust the audio alarm during the self-test.
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- Never leave the LRD 967 on the windshield when you park your vehicle. The temperature in the vehicle in the summer can reach levels above what is considered to be safe for this unit.
- To make you less susceptible to break-in and theft, remove the unit from your windshield when you leave your vehicle.
- Do not expose the unit to moisture, rain, dew, road splash, or other liquids can damage the internal components and reduce sensitivity of the LRD 967.
SWS WARNING MESSAGES

Highway Construction
- Work zone ahead
- Road closed ahead / Follow detour
- Bridge closed ahead / Follow detour
- Highway work crews ahead
- Utility work crews ahead
- All traffic follow detour ahead
- All trucks follow detour ahead
- All traffic exit ahead
- Right lane closed ahead
- Center lane closed ahead
- Left lane closed ahead

Highway Hazard Zone Advisory
- Train approaching / at crossing
- Low overpass ahead
- Drawbridge up
- Observe bridge weight limit
- Rock slide area ahead
- Sharp curve ahead
- Pedestrian crossing ahead
- Deer / Moose crossing
- Blind / Deaf child area
- Steep grade ahead / truck use low gear
- Accident ahead
- Poor road surface ahead
- School bus loading / unloading
- No passing zone
- Dangerous intersection ahead
- Stationary emergency vehicle ahead

DISPLAY PANEL

The LED display panel indicates each mode of operation, when a signal is not received.

City mode: "C" appears on the display.
Highway mode: "H" appears on the display.

Audio mode (dim): The intensity of all LEDs are reduced to dim.
Audio-only mode (dark): All LEDs except C/H turn off.

Mute-on mode: When the Mute Button is pressed the first time, the unit is in Audio only Mode and Voice Mute Mode. When Mute Button is pressed again, the unit is in Audio Mute and Voice Mute Mode.

Mute-off mode: A dot on the LED display panel is not present.

HINT

Every time you turn on the LRD 967, a self test is performed for all visual and audio alerts. You will hear, in-order, six distinct tones for the X, K, and Ka-Super Wideband radar bands, as well as Laser, SWS and VG2.

The first LED will show the signal level meter of the detected signal.
CONTROL AND FUNCTIONS

1. On-Off/Volume Control — Turns the power on and adjusts the Audio Alert volume.
2. Rear and Side Laser Detector Lens — For rear and side detection of laser signals.
3. Clip Release — Press the clip release button to remove the LRD 967 from the windshield mounting clip.
4. Press the CITY button to help reduce X band false alarms while driving in the city. When you turn on the City Mode, the "C" will be displayed and the voice "City Mode" will be heard. While driving on highways, when you turn off the City Mode, the "H" will be displayed and voice "Highway Mode" will be heard.
5. Press the AUDIO button to activate the Audio Only operation. When the button is pressed the first time, all LEDs dim and when the button is pressed again, the unit is in Audio only mode.
6. Press the MUTE button to activate the Audio and Voice mute operation. When the button is pressed the first time, the unit is in Audio only mode and Voice Mute Mode. When the button is pressed again, the unit is in Audio mute and Voice Mute Mode.
8. DC 12V Power Input — Connect the DC power cord here.
9. Speaker — Sounds audio alert and voice alert. There are eight different audio alert tones and voice alerts to distinguish each type of signal received. When you become familiar with all the distinct alert tones, you can operate the LRD 967 just by listening, devoting your full attention to the traffic in front of you.

NOTE: Foldout the back cover of this reference guide to refer to the "Illustration" page.

SWS WARNING MESSAGES

Weather Related Hazard
- High wind ahead
- Severe Weather ahead
- Heavy fog ahead
- High water / Flooding ahead
- ICE on road ahead
- Blowing dust ahead
- Blowing sand ahead
- Blowing snow ahead
- Blowing snow white area ahead

Travel Information Convenience
- Rest area ahead
- 24 Hour service ahead
- Inspection station open
- Inspection station closed
- Reduced speed area ahead
- Speed limit enforced
- Hazardous materials exit ahead
- Congestion ahead / Expect delay
- Expect 10 Minute delay
- Expect 20 Minute delay
- Expect 30 Minute delay
- Expect 1 Hour delay
- Traffic alert / tune am radio
- Pay toll ahead
- Trucks exit right
- Trucks exit left

Fast / Slow Moving Vehicle
- Emergency vehicle in transit
- Police in pursuit
- Over size vehicle in transit
- Slow moving vehicle

(Note: Three messages are reserved for future use.)
TRoubleshooting

If your LRD 967 does not perform to expectations, try the suggestions listed below. If you cannot get satisfactory results, call the Uniden Customer Service Center at (800) 297-1023, 7:00 a.m. to 7:00 p.m. Central Time, Monday through Friday.

Unit does not operate. (No indications on the display panel)
- Check the power cord. Be sure the connectors are properly installed.
- Be sure ignition key is ON or in the accessory position.
- Fuse out. Check and replace.
- Check power to lighter socket.
- Vehicle electrical problem exists.
- Make sure that the volume control is in the ON position.
- Clean cigarette lighter socket.

Unit fails the self test.
- Call Uniden Customer Service Center, (800) 297-1023.

Weak detection.
- Check angle of unit. Point to the horizon.
- Antenna/Sensor is obstructed. Move the unit clear of any obstruction outside the windshield, such as a wiper blade.
- Move the unit clear of the window tint.

Inaccurate or erratic detection.
- Loose power cord. Check both connectors.
- Power cord is broken. Check and replace.

Beeps over bumps or rough road.
- Check that the power cord is connected at both ends.
- Clean cigarette lighter socket.

Beeps at same location.
- Fishing because you have passed a motion sensor or alarm.
LEDs are blinking, but no audio.
- For highway use, make sure the City Mode is OFF.
- Increase the volume.

The unit bounces against the windshield.
- Reposition the unit so that the bumpers are firmly against the windshield.

Laser

The Laser Speed Detection System, also called LDAR (Light Detection and Ranging), uses a laser gun that emits infrared light pulses just outside the spectrum of visible light. Each reflected pulse measures the speed of the object coming toward or going away from the laser gun.

Unlike radar, the laser gun emits a very narrow beam of light, so it can pinpoint a speeding car within traffic. The infrared beam spreads out, but slowly and over a longer distance than a radar signal.

The laser gun can acquire a speed reading as quickly as 0.3 seconds, sometimes less. However, since it isn’t easy to accurately aim at and hit a moving target, an operator often moves the laser gun in several directions to get a reading. So laser signals are emitted continuously for a few seconds for each speed measurement.

The LRD 967 can detect these light pulses from as far away as 1.5 miles, which is about four times the effective range of a laser gun (2,000 feet), and about ten times its average operating range (500-800 feet).

CAUTION

To be safe, do not ignore any warnings. Although there are other types of radar signals that may cause interference, when the LRD 967 detects a signal, be on the alert. It is important to exercise caution at all times.
SPEED DETECTION SYSTEMS

A speed detection device (often called a radar gun) sends out a microwave signal or a beam of light. When this signal reaches its target, part of the signal is reflected or bounced back toward the emitting gun. The time required for the signal to leave the gun, bounce off an object, and return is used to determine a vehicle’s distance and speed.

Radar

Radar (Radio Detection and Ranging) is a microwave system for detecting the speed of moving objects by reflected pulses of high frequency radio waves. There are three radar bands (microwave frequencies): X band (10.48 to 10.62GHz), K band (24.04 to 24.26GHz), and the “superwideband” Ka band (33.4 to 36GHz).

The X band was the first used for traffic, followed by the K band which is harder to detect (most instant-on radar is K band). The Ka band was introduced in 1987, and widened to Ka Super Wideband in 1990 by the FCC. The LRD 967 monitors all current radar bands including the entire Ka Super Wideband.

The radar beam is cone shaped — the narrower the beam, the greater the resolution. A moving vehicle reflects radar signals back towards the radar gun. The LRD 967 can detect the signals emitted by radar guns. It will sound an audio alarm and flash a warning indicator. For continuously transmitting radar, use the LRD 967 to get accurate detection from a safe distance. Weak signals cause the audio and visual alarms to activate intermittently, but as the signal gets stronger (the closer you get to the radar gun), both alarms increase in intensity.

Instant-on transmitters fire a short radar pulse beam at a vehicle and instantly read its speed. When detected at a distance, you will hear a few beeps, voice alerts and see the signal strength meter increase at a rate relative to the signal strength. The stronger the signal, the higher the signal strength number. Instant-on radar signals are the most difficult to detect at a safe distance because they are transmitted only when directed at you or at a vehicle directly ahead of you.

GENERAL

Dimensions: 3.8in(L) x 2.6in(W) x 1.3in(H)
Weight: 4.0oz
Power Requirements: 12 – 16VDC, 310mA
Temperature Range:
Operating: -5°F to 160°F (-20°C to 70°C)
Storage: -40°F to 185°F (-40°C to 85°C)

360° LASER DETECTOR

Receiver Type: Pulse Laser Signal Receiver
Sensor Front End: Convex Condenser Lens
Detector Type: Pulse Width Discriminator
Receiver Bandwidth: 30 MHz
Spectral Response: 800-1100 nm
Alert Hold Time: 3 seconds

RADAR DETECTOR

Receiver Type: Dual Conversion Superheterodyne
Detector Type: Scanning Frequency Discriminator
Antenna Type: Linear Polarized, Self-Contained Antenna
Sensitivity:
X band = -110 dBm/cm²
K band = -110 dBm/cm²
Ka Super Wideband = -100 dBm/cm²
Frequency of Operation:
10.490 - 10.560 GHz (X band)
24.040 - 24.260 GHz (K band)
33.400 - 36.000 GHz (Ka Super Wideband)

Specifications subject to change without notice.
**ONE YEAR WARRANTY**

**Important:** Evidence of original purchase is required for warranty service.

**WARRANTOR:** UNIDEN AMERICA CORPORATION ("Uniden")

**ELEMENTS OF WARRANTY:** Uniden warrants, for one year, to the original retail owner, this Uniden product to be free from defects in materials and craftsmanship with only the limitations or exclusions set out below.

**WARRANTY DURATION:** This warranty to the original user shall terminate and be of no further effect 12 months after the date of original retail sale. The warranty is invalid if the product is
(A) damaged or not maintained as reasonable or necessary,
(B) modified, altered, or used as part of any conversion kits, subassemblies, or any configurations not sold by Uniden,
(C) improperly installed, (D) serviced or repaired by someone other than an authorized Uniden service center for a defect or malfunction covered by this warranty, (E) used in any conjunction with equipment or parts or as part of any system not manufactured by Uniden, or (F) installed or programmed by anyone other than as detailed by the owner's manual for this product.

**STATEMENT OF REMEDY:** In the event that the product does not conform to this warranty at any time while this warranty is in effect, warrantor will either, at its option, repair or replace the defective unit and return it to you without charge for parts, service, or any other cost (except shipping and handling) incurred by warrantor or its representatives in connection with the performance of this warranty. Warrantor, at its option, may replace the unit with a new or refurbished unit.

**THE LIMITED WARRANTY SET FORTH ABOVE IS THE SOLE AND ENTIRE WARRANTY PERTAINING TO THE PRODUCT AND IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES OF ANY NATURE WHATSOEVER, WHETHER EXPRESS, IMPLIED OR ARISING BY OPERATION OF LAW, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A **
INTRODUCTION

Welcome to the world of sophisticated, early warning laser/radar detection. You have purchased one of the most advanced laser/radar detectors available. The LRD 967 is a completely integrated laser/radar detector. It responds to the X, K, and Ka-Super Wideband radar guns in use today and also provides 360° detection of the latest speed monitoring system — the laser gun. The built-in Safety Warning System (SWS™) is capable of detecting a hazardous warning signal.

The LRD 967 provides distinct visual and audio alerts to warn you of the presence of X, K, and Ka-Super Wideband radar signals as well as IR laser signals and Safety Warning System. You can drive with confidence when you bring along the LRD 967.

The LRD 967 employs a state-of-the-art electronic system designed to make this radar detector invisible to all current VG-2 radar detectors. The LRD 967 will also warn you of VG-2 use.

We are certain that you will enjoy the LRD 967, and to ensure that you get the most from its features, please read this Reference Guide carefully before installing and operating the unit.

FEATURE HIGHLIGHTS

- 360° Laser Detection
- Safety Warning System™
- All Band Coverage (X, K, Ka)
- 8 Alarm Tones
- Super Wideband Ka
- VG-2 Undetectable
- SWS, Laser priority
- VG-2 Alert
- Pulse Detection
- Warning Lights
- Visual Only Mode
- Auto Mute Mode
- Audio Only Mode
- Self Test
- City and Highway Modes
- Auto Memory Mode
- Voice Announce Alert
- Demonstration Mode

PARTICULAR PURPOSE, THIS WARRANTY DOES NOT COVER OR PROVIDE FOR THE REIMBURSEMENT OR PAYMENT OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow this exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

LEGAL REMEDIES: This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This warranty is void outside the United States of America.

PROCEDURE FOR OBTAINING PERFORMANCE OF WARRANTY: If, after following the instructions in the owner’s manual you are certain that the product is defective, pack the product carefully (preferably in its original packaging). The product should include all parts and accessories originally packaged with the product. Include evidence of original purchase and a note describing the defect that has caused you to return it. The product should be shipped freight prepaid, by traceable means, to warrantor at:

Uniden America Corporation 1-800-297-1023
4700 Amon Carter Blvd 7:00a.m. to 7:00p.m. Central
Ft. Worth, TX 76155 Monday through Friday

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Printed in Korea LRD 967
Refer to "Controls and Functions" on page 6.
Contents

Introduction ........................................... 2
Feature Highlights .................................... 2
Included with your Radar Detector ................... 3
Speed Detection ........................................ 4
Speed Detection Systems ............................... 4
Radar ..................................................... 4
Laser .................................................. 5
Controls .................................................. 6
Controls and Functions ................................. 6
Display Panel .......................................... 7
Installation ............................................. 8
Selecting a Location ................................... 8
Helpful Tips ........................................... 9
Adjusting the Windshield Mounting Clip .......... 10
Connecting the Power ................................ 11
Replacing the Fuse ................................... 12
Operation ............................................ 13
Power On ............................................. 13
Demonstration ....................................... 13
Volume Control ....................................... 13
Full Warning ........................................ 14
Audio Alert Only Operation ......................... 14
Visual Alert Operation ................................ 15
Auto Mute Operation ................................ 15
city Operation ....................................... 16
Safety Warning System Operation ................... 17
Care and Maintenance ............................... 17
SWS Warning Messages ............................. 18 – 19
Troubleshooting ...................................... 20
Specifications ........................................ 21
Warranty .............................................. 22 – 23
Illustrations ........................................... Inside back cover

Note: Foldout the back cover of this reference guide to refer to the
Illustrations page.
At Uniden, we'll take care of you!

If you need any assistance with this product, please call our Customer Hotline at:

**1-800-297-1023**

**PLEASE DO NOT RETURN THIS PRODUCT TO THE PLACE OF PURCHASE.**

Our Uniden representatives will be happy to help you with any matters regarding the operation of this unit, available accessories, or any other related matters.

Hours: M-F 7:00 a.m. To 7:00 p.m., Central Standard Time

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