**UNIDEN LONG RANGE RADAR/ LASER DETECTOR**

**LRD450 HARDWARE**

**INSTALLATION AND TURN UP**
Install the LRD450 on the front windshield or on the dashboard. For best performance, position the detector as low as possible in the center of the front windshield. Be sure the unit’s view of the road, either to the front or the back, is clear.

**INSTALLATION**

**WINDSHIELD**
1. Clean the windshield and the rubber cups of the mounting bracket. Attach the rubber cups to the bracket.  
2. Push the bracket firmly onto the windshield.  
3. Slide the unit onto the bracket.  
4. Gently adjust the bracket angle if needed.  

**STANDBY MODE**

<table>
<thead>
<tr>
<th>Mode</th>
<th>X</th>
<th>K</th>
<th>Ka</th>
<th>C</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Highway</td>
<td>X</td>
<td>K</td>
<td>Ka</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>City</td>
<td>X</td>
<td>K</td>
<td>Ka</td>
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<td></td>
</tr>
<tr>
<td>City 1</td>
<td>X</td>
<td>K</td>
<td>Ka</td>
<td>C</td>
<td>J</td>
</tr>
<tr>
<td>City 2</td>
<td>X</td>
<td>K</td>
<td>Ka</td>
<td>C</td>
<td>L</td>
</tr>
</tbody>
</table>

**BANDS**
The LRD450 recognizes:
- **X Band**: This band was the first frequency band assigned to police radar. It operated on a lower frequency (10.525GHz) with a higher power output.
- **K Band**: This band is the most common frequency used in radar detectors. Its relatively small wavelength makes it more detectable at shorter distances. Recommended for use in urban areas.
- **Ka Band**: Over the years, the Ka band has incorporated the X and K bands. Recommended for use in rural areas.

**OPERATION**

**SETUP**
After installing your radar detector, you can set it to your own specifications:
- **Mute/Auto Mute**: When an audio alert sounds, pressing MUTE lets you turn off the audio alert. Press and hold MUTE to set Auto Mute to ON to reduce the audio alarm by 50% automatically after 3 seconds during an alert.
- **Dim**: Change the brightness of the display. (Default - Bright)
- **Set City, City I, or Highway**

**DISCLAIMER**: Radar detectors are illegal in some states. Some states prohibit mounting any object on your windshield. Check applicable law in your state and any state in which you use the product to verify that using and mounting a radar detector is legal. Uniden radar detectors are not manufactured and/or sold with the intent to be used for illegal purposes. Drive safely and exercise caution while using this product. Do not change settings of the product while driving. Uniden expressly disclaims any liability arising out of or related to your use of this product.

**FEATURES**
- **X, K, and Ka band alarms**
- **POP and Laser alert alarms**
- **Highway/City/City 1 modes**
- **Auto and manual Laser alert**
- **Memory features**

**WHAT'S IN THE BOX**
- **LRD450 radar detector**
- **Straight 12V DC Power Cord**
- **Windshield Mounting Bracket**
- **Hook and loop fastener tape**
- **Spare fuse for DC Power Cord**

**LED DISPLAY**
When a signal is detected, the display will show the band type, City/Highway setting, and signal strength. If the LRD450 detects a laser, the display shows L for Laser.

**INSTALLATION**
1. Clean the windshield and the rubber cups of the mounting bracket. Attach the rubber cups to the bracket.  
2. Push the bracket firmly onto the windshield.  
3. Slide the unit onto the bracket.  
4. Gently adjust the bracket angle if needed.  

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**DETECTION**
The LRD450 detects emissions from radar guns and sounds an audio alert for the driver. The detector determines which band range the signal is from and displays that frequency type on the display (X, K, Ka, or L). The frequency strength (1 through 5) also displays as applicable. If there is a specific alert code, that is also displayed. False signals can come from other devices such as the automatic doors at a supermarket or even another car’s cruise control; these devices operate in the same frequency ranges as radar guns.
-- City mode delays all X band audio alerts until the signal is at level 3.
-- City mode does not recognize X band transmissions.
-- Highway mode recognizes all bands and is recommended for highway driving. (Default)

The following table provides an overview of key operations.

<table>
<thead>
<tr>
<th>KEY</th>
<th>PRESS TO...</th>
<th>PRESS AND HOLD TO...</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUTE</td>
<td>Turn alert audio off (1 beep) during alert audio.</td>
<td>Turn Auto Mute on (1 beep) and off (2 beeps) during standby. (F displays)</td>
</tr>
<tr>
<td>DIM</td>
<td>Change brightness from:</td>
<td>Turn POP alert on (1 beep) and off (2 beeps). (F displays)</td>
</tr>
<tr>
<td>CITY</td>
<td>Change mode from:</td>
<td>Turn K band filter on (LED dot turns on and 1 beep) and off (LED dot turns off and 2 beeps). (F displays briefly)</td>
</tr>
<tr>
<td>DIM + CITY</td>
<td>NA</td>
<td>Return to factory settings:</td>
</tr>
<tr>
<td></td>
<td>Highway</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bright</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mute OFF</td>
<td></td>
</tr>
<tr>
<td></td>
<td>K Filter ON</td>
<td></td>
</tr>
<tr>
<td></td>
<td>POP OFF</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Auto Mute ON</td>
<td></td>
</tr>
</tbody>
</table>

**TROUBLESHOOTING**

<table>
<thead>
<tr>
<th>IF...</th>
<th>TRY THIS...</th>
</tr>
</thead>
<tbody>
<tr>
<td>No display or audio.</td>
<td>Check the fuse in the plug. Replace if necessary.</td>
</tr>
<tr>
<td>The unit alarms when the vehicle hits bumps.</td>
<td>Check the connections. Be sure they are all secure.</td>
</tr>
<tr>
<td>The unit alarms briefly in the same location but no radar source was in view.</td>
<td>There may be a motion sensor or house alarm in use within range.</td>
</tr>
<tr>
<td>The detector did not alert when a police car was in view.</td>
<td>The officer may not have radar/laser units turned on.</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

**Receiver Type:**
- Radar: Double Conversion Superheterodyne Self-Contained Antenna
- Laser: Pulsed Laser Signal Receiver

**Frequency:**
- X: 10.525 GHz
- K: 24.150 GHz
- Ka: 33.400 - 36.000 GHz
- Laser: 800 nm - 1100 nm

**Detector Type:**
- Radar: Scanning Frequency Discriminator
- Laser: Pulse Width Discriminator

**Alarm Type:**
- Beep (Detected Band and Signal strength)

**Antenna Type:**
- Radar: Linear Polarized E-vector Vertical
- Laser: Convex Condenser Lens
- Laser: Concave Condenser Lens

**Dimensions:** 110.00 mm (D) x 69.00 mm (W) x 29.50 mm (H)

**Weight:** 4.1 oz (115g)

**Operating Temp.:**
- -4° to +185° F (Radart/Laser)
- -20° to +85° C (Radart/Laser)

**Storage Temp.:**
- -22° to +203° F (Radart/Laser)
- -30° to +95° C (Radart/Laser)

**Operating Power Source:** DC 11.0 to 16.0 V

**FCC/Industry Canada Information**

FCC: AMV-LRD450
ICC: 513C-LRD450

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Unauthorized changes or modifications to this equipment may void compliance with the FCC Rules. Any change or modification must be approved in writing by Uniden. Changes or modifications not approved by Uniden could void the user’s authority to operate the equipment. L'appareil est conforme aux normes d'Industrie Canada. Son fonctionnement est soumis aux deux conditions suivantes: (1) Ce dispositif ne doit pas causer d'interférences et (2), il doit pouvoir accepter les interférences, incluant celles pouvant nuire à son fonctionnement normal.

Tous les changements apportés à cet appareil, s'ils ne sont pas expressément approuvés par Uniden ou toute utilisation de ceux-ci d'une autre manière que celle décrite dans ce guide peut annuler votre autorisation de le faire fonctionner.

One Year Limited Warranty

*Keep your receipt!* Proof of purchase is required for warranty service.

**WARRANTOR: UNIDEN AMERICA CORP. (“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 Operating Guide 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 repair the defect 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. 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 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 this Operating Guide, you are certain that the Product is defective, pack the Product carefully (preferably in its original packaging). 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, or delivered, to warrantor at:

Uniden America Corporation
C/O Saddle Creek
743 Henrietta Creek Rd., Suite 100
Roanoke, TX 76262
(800) 297-1023, 8 a.m. to 4:30 p.m., Central, Monday through Friday

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