UNIDEN LONG RANGE RADAR/LASER DETECTOR
DFR3 HARDWARE

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 expects consumer’s use of these products to be in compliance with all local, state and federal law. 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 I modes
• Invisible to VG-2 and Spector I and IV radar detectors
• Mute alarm audio
• Memory feature saves user’s last settings (except MUTE) when the unit is powered down/disconnected from power.

WHAT’S IN THE BOX
• DFR3 radar detector
• Straight 12V DC Power Cord
• Windshield Mounting Bracket
• Hook and loop fastener tape
• Spare fuse for DC Power Cord

INSTALLATION AND TURN UP
Install the DFR3 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.

NO. | NAME | WHAT IT DOES
--- | --- | ---
1 | Eagle Eye | 360° Laser detection
2 | Power Jack | Plugs into power source.
3 | Eject | Releases DFR3 from mounting hardware.
4 | DIM | Dims the display brightness.
5 | MUTE | Turns off the sound.
6 | CITY | Sets the unit to CITY, CITY I, or HIGHWAY mode.
7 | Power/Volume Dial | Turns unit on and adjusts volume.
8 | Mounting Bracket Slot | The mounting bracket fits into this slot.

LED DISPLAY
When a signal is detected, the display will show the band type, City/Highway setting, and signal strength. If the DFR3 detects a laser, the display shows L.

Band Type
X K Ka C

Signal Strength (1 - 5)
1 1 1
City I (I) Highway (H)
Various Alerts

STANDBY MODE

<table>
<thead>
<tr>
<th></th>
<th>Highway</th>
<th>City</th>
<th>City I</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>K</td>
<td>Ka</td>
<td>C</td>
</tr>
<tr>
<td>X</td>
<td>K</td>
<td>C</td>
<td>I</td>
</tr>
<tr>
<td>X</td>
<td>Ka</td>
<td>C</td>
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</tr>
<tr>
<td>X</td>
<td>C</td>
<td>I</td>
<td>I</td>
</tr>
</tbody>
</table>

DETENTION
The DFR3 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 C). 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 automatic doors at a supermarket or even another car’s cruise control; these devices operate in the same frequency ranges as radar guns.

BANDS
The DFR3 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 (24.150). Its relatively small wavelength gives it a clocking distance of about 1/4 mile although, depending on the environment, it can detect up to 2 miles. Turn on the K band filter (press and hold CITY) to filter out weaker K band frequencies and reduce false readings.
• Ka Band: Over the years, the Ka band incorporated the Ka-Band, the Ka Wide-Band, and the Ka Super Wide-Band. Most photo radars (also known as stop light cameras) use this band.

POP™ is a single-pulse Doppler radar feature on some K and Ka band radar guns. This type of radar gun is a very sensitive receiver; limit POP detect mode to highway and rural driving.

• Laser: Police use the laser’s narrower light pulses for speed detection as it is more accurate and faster. Laser beams are more detectable after they have bounced off their target and begin to disperse on the return trip.

MODES
The DFR3 operates in three modes:
• Highway. Provides audio and visual alerts any time all bands and laser are detected. Recommended for highway or rural driving. (X, K, Ka, Laser)
• City. Provides audio and visual alerts any time all bands and laser are detected. Provides a stronger signal for the X band so it can pick up weaker signals. (X, K, Ka, Laser)
• City I. Similar to City mode, but no X band is detected. (K, Ka, Laser)

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 alarm. 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
  – City mode delays all X band audio alerts until the signal is at level 3.
  – City I mode does not recognize X band
CARE AND MAINTENANCE
Use common sense and your DFR3 will provide trouble-free service. Please keep the following tips in mind:
• Don’t leave your unit on the dashboard during summer months. Interior heat may exceed safe operating levels.
• Do not spray cleaners or other liquids on the unit. Remove the unit when you are using these liquids.
• Do not use abrasive cleaners on the unit’s exterior.

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

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Receiver Type</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radar</td>
<td></td>
</tr>
<tr>
<td>Laser</td>
<td></td>
</tr>
<tr>
<td>Frequency</td>
<td>MHz</td>
</tr>
<tr>
<td>X</td>
<td>10.525</td>
</tr>
<tr>
<td>K</td>
<td>24.150</td>
</tr>
<tr>
<td>Ka</td>
<td>33.400 - 36.000</td>
</tr>
<tr>
<td>Laser</td>
<td>800 nm - 1100 nm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Detector Type</th>
<th>Alarm Type</th>
<th>Antenna Type</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radar</td>
<td>Beep (Detected Band and Signal strength)</td>
<td>Linear Polarized E-Vector Vertical</td>
<td>110.00 mm (D) x 69.00 mm (W) x 29.50 mm (H)</td>
</tr>
<tr>
<td>Laser</td>
<td>33.400 - 36.000 GHz</td>
<td>Convex Condenser Lens</td>
<td></td>
</tr>
<tr>
<td>Laser</td>
<td>800 nm - 1100 nm</td>
<td>Concave Condenser Lens</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Weight</th>
<th>Operating Temp.</th>
<th>Storage Temp.</th>
<th>Operating Power Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.1 oz (115g)</td>
<td>-4° to +185° F (Radar/Laser)</td>
<td>-22° to +203° F (Radar/Laser)</td>
<td>DC 11.0 to 16.0 V</td>
</tr>
</tbody>
</table>

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 as or 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 REMEDY, WITHOUT LIMITATION, FOR ANY BREACH OF WARRANTY ON THE PART OF UNIDEN 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 POP Mode is a trademark of MPH Industries, Inc.

MONITORING SPEED
A radar gun transmits radio waves at certain frequencies that bounce off objects and return to the radar gun’s receivers. The radar gun then calculates the speed of the object. The DFR3 recognizes the following bands/frequencies used by radar guns:

<table>
<thead>
<tr>
<th>BAND</th>
<th>FREQUENCY</th>
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<tbody>
<tr>
<td>X</td>
<td>10.525 GHz</td>
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RADAR DETECTOR DETECTORS (RDDs)
Radar detectors are illegal in some states. Law enforcement officers use special equipment to detect signals radiated by radar detectors. If they are in a state where radar detectors are illegal and the officer detects a vehicle using a radar detector, the operator of that vehicle could lose the radar detector and be fined.

The DFR3 is designed to be invisible to signals from the Spectre I, Spectre IV, and VG-2 RDDs.

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