UNIDEN LONG RANGE RADAR/LASER DETECTOR

DFR5 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
- X, K, and Ka band on/off
- POP and Laser alert alarms
- Highway/City modes
- Invisible to VG-2 and Spector i and IV radar detectors
- Mute alarm audio
- Voice alert notification
- Battery voltage display
- Dot Matrix character display
- Memory feature saves user's last settings (except MUTE) when the unit is powered down/disconnected from power.

**WHAT'S IN THE BOX**
- DFR5 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 DFR5 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.

<table>
<thead>
<tr>
<th>NO.</th>
<th>NAME</th>
<th>WHAT IT DOES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Eagle Eye</td>
<td>36° Laser detection</td>
</tr>
<tr>
<td>2</td>
<td>Power Jack</td>
<td>Plugs into power source</td>
</tr>
<tr>
<td>3</td>
<td>Eject</td>
<td>Releases DFR5 from mounting hardware</td>
</tr>
<tr>
<td>4</td>
<td>DIM</td>
<td>Dims the display brightness</td>
</tr>
<tr>
<td>5</td>
<td>MUTE</td>
<td>Turns off the sound</td>
</tr>
<tr>
<td>6</td>
<td>CITY</td>
<td>Sets the unit to CITY or HIGHWAY mode</td>
</tr>
<tr>
<td>7</td>
<td>Power/Volume Dial</td>
<td>Turns unit on and adjusts volume</td>
</tr>
<tr>
<td>8</td>
<td>MENU</td>
<td>Turns bands and other features on and off</td>
</tr>
<tr>
<td>9</td>
<td>Mounting Bracket Slot</td>
<td>The mounting bracket fits into this slot</td>
</tr>
</tbody>
</table>

**DOT MATRIX DISPLAY**
The DFR5 contains a dot matrix display. When a signal is detected, the display shows the band type and signal strength in an increasing bar format. If the DFR5 detects a laser, the display shows LASER.

**BANDS**
The DFR5 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 through the menus 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.

**POPTM** 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 DFR5 operates in two 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 so it can pick up weaker transmissions. (K, Ka, Laser)

**VOICE ANNOUNCE**
The DFR5 has a voice feature that tells you the unit status as it changes. For example, if the unit picks up K band transmissions, it announces "K band." Turn this feature on and off through the menus.

**OPERATION**
After installing your radar detector, you can set it to your own specifications through the keys and the menu.

**KEYS**

<table>
<thead>
<tr>
<th>KEY</th>
<th>PRESS TO...</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUTE</td>
<td>Turn alert audio off (voice - Mute On) during alert audio. Mute cancelled 10 seconds after alert ends</td>
</tr>
<tr>
<td>DIM</td>
<td>Change brightness from BRIGHT to DIM to DARK. Voice announces all changes</td>
</tr>
</tbody>
</table>

**INSTALLATION**
- Windshield Mounting Bracket
- Attach the other piece of the fastener tape to the bracket Slot
- Gently adjust the bracket angle if needed

**HIGHWAY/CITY modes**
Plugs into power source.
In Menus, return to the previous menu.
Plug the cigarette lighter adapter into the vehicle's power source.
Plug the power cord into the detector.
Plug the cigarette lighter adapter into the vehicle's power source.

**Do not use the detector to adjust the bracket angle.**

**Eject**
- Eagle Eye
- HIGHWAY mode
- Battery voltage display
- Laser:
- POP and Laser alert alarms
- MUTE
- CITY
- K Band:
- Various Alerts
- Laser:
- DOT Matrix display
- Highway:
- DOT Matrix character display
- Memory feature saves user’s last settings (except MUTE) when the unit is powered down/disconnected from power.
KEY
• Change mode from HIGHWAY to CITY. Voice announces all changes. Highway mode receives all bands at all levels and is recommended for highway driving.

In Menus, toggle the displayed setting.

MENU
Turn the following features on and off:
• Voice
• X, K, and Ka bands
• Laser
• POP
• K filter
• Auto Mute
• Battery
• Test
• Reset

Press and hold to exit Menus.

MENUS
Press the MENU key to begin the menu cycle as listed in the previous table. The screen displays the feature’s current setting. For example, if the screen shows “K Band ON,” this indicates that the K Band is on. If you want to turn it off, press CITY or DIM.

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 DFR5 recognizes the following bands/frequencies used by radar guns:

<table>
<thead>
<tr>
<th>BAND</th>
<th>FREQUENCY</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>10.525 GHz</td>
</tr>
<tr>
<td>K</td>
<td>24.150 GHz</td>
</tr>
<tr>
<td>Ka</td>
<td>33,400 - 36,000 GHz</td>
</tr>
<tr>
<td>Laser</td>
<td>800 nm - 1100 nm</td>
</tr>
</tbody>
</table>

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 DFR5 is designed to be invisible to signals from the Spectre I, Spectre IV, and VG-2 RDDS.

CARE AND MAINTENANCE
Use common sense and your DFR5 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 cleansers on the unit’s exterior.

TROUBLESHOOTING

IF...                     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.

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.
• Check that the bands are turned on. Press MENU. If the band is turned on, the LED will show ON.

SPECIFICATIONS

Receiver Type:

| Radar                      | Double Conversion Superheterodyne Self-Contained Antenna |
| Laser                     | Pulsed Laser Signal Receiver |

Frequency:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>10.525 GHz</td>
</tr>
<tr>
<td>K</td>
<td>24.150 GHz</td>
</tr>
<tr>
<td>Ka</td>
<td>33,400 - 36,000 GHz</td>
</tr>
<tr>
<td>Laser</td>
<td>800 nm - 1100 nm</td>
</tr>
</tbody>
</table>

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 Front               | Convex Condenser Lens |
| Laser Back                | Concave Condenser Lens |

Dimensions:

110.00 mm (D) x 69.00 mm (W) x 29.50 mm (H)

Weight:

4.1 oz (115g)

FCC/Industry Canada Information

FCC: AMWD/LRD750

FCC Industry Canada:

IC: 513C-LRD750

FCC Compliance
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.

IC Compliance
This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

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.