



DFR8

LONG RANGE Radar/Laser Detector

Detailed User's Manual



CUSTOMER CARE

At Uniden®, we care about you!

If you need assistance, please do NOT return this product to your place of purchase.

Save your receipt/proof of purchase for warranty.

Quickly find answers to your questions by:

1. Reading your owner's manual.
2. Visiting our customer support website at www.uniden.com.

Images in this manual may differ slightly from your actual product.

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.

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UNIDEN

LONG RANGE RADAR/LASER DETECTOR

DETAILED USER'S MANUAL

DFR8

FEATURES

- Super Long Range Laser Radar Detection
- Voice Notifications
- Radar band frequency displays
- Easy to read OLED display
- Advanced K and Ka band filters
- Displays Signal Strength and Vehicle Battery Voltage

INSTALL AND TURN ON DFR8

You can mount the DFR8 on the windshield (bracket included) or on the dashboard (hook and loop tape included).

INSTALL

Windshield

When you mount the DFR8 on the windshield, mount it in the middle of the windshield between the driver and passenger. Be sure there are no obstructions and that there is a clear view through the back window.

1. Attach the rubber suction cups to the bracket and push the cups firmly onto the windshield.
2. Slide the unit onto the bracket until it clicks into place.

Release the DFR8 from the bracket by pressing the Eject key on top of the detector.

Dashboard

The same types of mounting requirements for the windshield apply for mounting the unit on the dashboard.


Attach the unit to the dashboard using the hook and loop fastener tape.

Pull the DFR8 from the dashboard, separating the hook and loop tape.

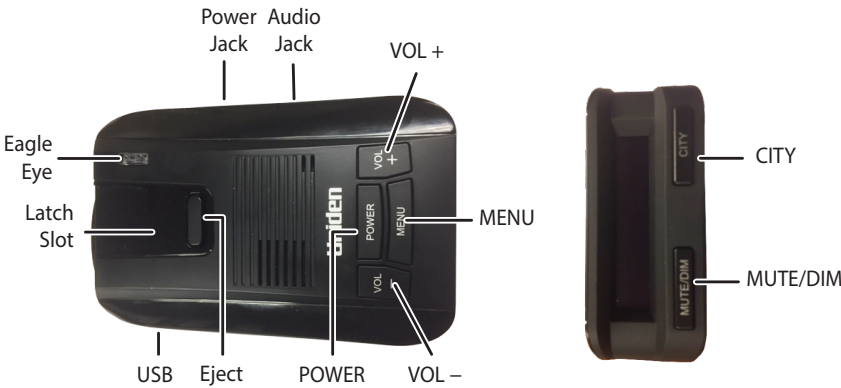
TURN ON

- 1. Inert the power cord’s RJ45 connector into the DFR8s power jack.
- 2. Insert the power cord’s cigarette lighter adapter into the vehicle’s cigarette lighter port.
- 3. Turn on the vehicle. The DFR8 automatically turns on and runs through a systems check.

WHAT’S IN THE BOX

	
DFR8 Radar Detector	12V DC Power Cord with RJ11 Connection
	Not Shown: Hook and Loop Fastener Tape
Windshield Mounting Bracket	

PARTS OF THE DFR8

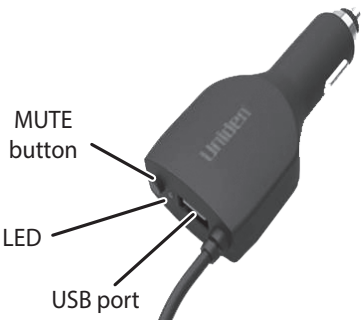


KEY	PRESS TO...	PRESS AND HOLD TO...
POWER	Turn DFR8 on and off.	NA
VOL +	<ul style="list-style-type: none"> • Turn volume up (7 levels: 0 - 6). • In Menus, go to next item. 	NA
VOL –	<ul style="list-style-type: none"> • Turn volume down (7 levels: 0 - 6). • In Menus, go to previous item. 	
MENU	<ul style="list-style-type: none"> • Access the Menu system. • In the Menu system, press to cycle through options for the current menu item. 	Exit the Menu system.
MUTE/DIM	<p>MUTE</p> <ul style="list-style-type: none"> • MUTE on - Press MUTE/DIM to mute an alarm. Returns to normal operation 10 seconds after the alert ends or if a different band is detected during Mute mode. <i>Mute On</i> displays for a few seconds. • MUTE off - Press MUTE/DIM to restore audible alarms before the 10 second automatic mute time-out. 	<p>DIM - Changes the OLED and Key Backlight:</p> <ul style="list-style-type: none"> • Auto • Bright • Dim • Dimmer • Dark • Off
CITY	Press to change modes between Highway, City, and Advanced	NA

NON-KEY ELEMENTS

ELEMENT	WHAT IT DOES
Eagle Eye	Provides a 360° monitoring radius.
Latch Slot	Insert the bracket latch into this slot.
Micro USB	Provides PC connection for data updates.
Audio Jack	Plug in headset.
Eject	Press to release the bracket latch.
Power Jack	Plug the 12V Power Cord here.
Signal Strength	Displays how strong the signal received is (5 levels).

POWER CONNECTOR



ELEMENT	WHAT IT DOES
MUTE key	<p>The power cord’s MUTE key operates the same as the MUTE/DIM key on the DFR8 unit itself.</p> <p>Press the MUTE key to mute an alarm. It returns to normal operation 10 seconds after the alert ends or if a different band is detected during Mute mode. <i>Mute On</i> displays on the DFR8 for a few seconds.</p> <p>Press and hold the MUTE key to adjust the OLED brightness during alarms.</p> <ul style="list-style-type: none">• Auto [Allows OLED automatic bright and dim levels to be set in the <i>Auto Dim Setting</i> menu (see page 12).] (Default)• Bright• Dim• Dimmer• Dark (Dark is off unless there is an alert.)• Off (Off regardless of whether or not there is an alert.)
LED (Red)	<p>Off: Power is off.</p> <p>Steady on: Power is on.</p> <p>Flashing: Receiving an alert. The faster it flashes, the stronger the signal.</p>
USB Port	Use this USB port to charge mobile devices.

MENU SYSTEM

Menus let you set up the system to your own requirements. You can turn different bands on and off and set specific items such as auto mute.

Press **MENU** to access the Menu system. The screen displays the selection's current status. For example, if you press **MENU** and the screen displays *Voice: ON*, you have the option of turning Voice to OFF.

Use the following keys to navigate the menus:

- **MENU**: Change a menu item setting (press and hold to exit the Menu system).
- **VOL +**: Go to the next Menu item.
- **VOL -**: Go to the previous Menu item.

MENU ITEM	WHAT IT DOES	SETTINGS
Mode	Change mode between Highway, City, and Advanced. <i>If MODE = Advanced, then X, K, and Ka Band Attenuation menu items display next. If not, then Voice menu item displays.</i>	Highway (Default) City Advanced
X Band Attenuation (Advanced Mode only)	Set the X Band attenuation (detection sensitivity) level that the DFR8 will recognize in 20% decrements from 100% to 40%. (See page 14 for details).	100% (Default) 80% 60% 40%
K Band Attenuation (Advanced Mode only)	Set the K Band attenuation (detection sensitivity) level that the DFR8 will recognize in 20% decrements from 100% to 40%. (See page 14 for details).	100% (Default) 80% 60% 40%
Ka Band Attenuation (Advanced Mode only)	Set the Ka Band attenuation (detection sensitivity) level that the DFR8 will recognize in 20% decrements from 100% to 40%. (See page 14 for details).	100% (Default) 80% 60% 40%

MENU ITEM	WHAT IT DOES	SETTINGS
Voice	Turns voice alert on or off under the following conditions: <ul style="list-style-type: none"> • Type of radar/laser • Band alarms 	On (Default) Off
Ka Freq Voice	Turn Voice on or off for Ka Frequencies.	On Off (Default)
X Band	Turn X band on or off.	On Off (Default)
K Band	Turn K band on or off.	On (Default) Off
Ka Band	Turn Ka band on or off.	On (Default) Off
Laser	Turn off to have the detector ignore lasers.	On (Default) Off
Ka POP Mode	Detects Ka POP transmissions (very brief transmissions, too fast for some detectors to hear).	On Off (Default)
K Band Filter	Filters noise from the K band to prevent false detections.	On (Default) Off
Ka Band Filter	Filters noise from the Ka band to prevent false positive readings.	On Off (Default)
TSF	Traffic Sensor Filter. Prevents false alarms caused by traffic monitoring radar systems.	On Off (Default)
K Narrow/Wide	K Narrow scans for K radar guns used in the US only and reduces false alarms.	K Narrow K Wide (Default)
Ka Narrow/Wide	Ka Narrow scans for Ka radar guns used in the US only and reduces false alarms. Ka Wide scans Super Wide Ka band.	Ka Narrow (Default) Ka Wide
Signal Priority/KA Priority	Select a priority to be active (see page 16).	Signal Priority Ka Priority (Default)

MENU ITEM	WHAT IT DOES	SETTINGS
All Threats Display	Up to 4 threats can display on the OLED. Select whether or not all threats will display (see page 16).	All Threat On All Threat Off (Default)
Color	Select a background color.	Red (Default) White Purple Blue Amber Green Pink Gray
Display	Select either Scan or Mode display to view on OLED.	Scan Mode (Default)
X Band Tone	Select a tone to indicate X band (1 - 12).	1 - 12 (Default = 1)
K Band Tone	Select a tone to indicate K band (1 - 12).	1 - 12 (Default = 2)
Ka Band Tone	Select a tone to indicate Ka band (1 - 12).	1 - 12 (Default = 3)
Laser Tone	Select a tone to indicate Laser (1 - 12).	1 - 12 (Default = 4)
Auto Mute	Turning on Auto Mute changes the alarm level to the level set in Auto Mute Volume menu (0 - 5) If the same alarm sounds within the 10 second period, Auto Mute remains at the level set in Auto Mute Volume menu (0 - 5). The unit returns to normal operation (Auto Mute = OFF) if a different band is detected during Auto Mute = ON mode.	On (Default) Off
Auto Mute Volume	Set Auto Mute's volume level when Auto Mute is on.	0 - 5 (Default = 2)

MENU ITEM	WHAT IT DOES	SETTINGS
Dark Mode	Press MENU to set the screen's alert brightness levels through the <i>Dark Level Set</i> submenu.	Dimmer (Default) Bright Dim
Auto Dim Setting	<p>This menu item sets the OLED brightness level. This menu item only displays if DIM mode = Auto (set by pressing and holding the MUTE/DIM key on the detector or the MUTE key on the power adapter). See page 17.</p> <p>Two submenus display:</p> <ul style="list-style-type: none"> • Bright Level Set • Dim Level Set 	<p>Bright (Default) Dim Dimmer</p> <p>Dim (Default) Dimmer Dark (off until alert) Off (off all the time)</p>
Backlight	Turns the front key backlight on and off.	On (Default) Off
BAT Warning	Issues a warning if the vehicle battery power drops below 11V.	On Off (Default)
Self Test	Runs a self diagnostic test on the unit to check for faults.	On (Default) Off
Factory Reset	<p>Resets all settings to the factory defaults.</p> <p><i>There is no confirmation request for reset.</i></p>	NA
Firmware Version	Displays the latest firmware version.	NA
EXIT	Closes the Menu system.	NA

BASIC OPERATIONS

HOW DO I ...?	TRY THIS...
Turn on the DFR8	<p>Press POWER. The unit turns on and runs through an initial self-check. It displays the different bands and their settings.</p> <p><i>The DFR8 turns on automatically when you start the vehicle.</i></p>
Adjust the volume	<ul style="list-style-type: none"> • Press VOL + to increase volume. The unit beeps and displays a number increase. • Press VOL – to decrease volume. The unit beeps and displays a number decrease.
Mute alarm volume during the alert	<p>Press MUTE/DIM on the detector or MUTE on the power connector during an audio alarm to mute it. (This is especially useful in situations where the alert may be prolonged, such as at red lights.)</p>
Change the screen's brightness	<p>Press and hold MUTE/DIM on the detector or MUTE on the power connector. The DFR8 announces the brightness level (Auto, Bright, Dim, Dimmer, Dark, or Off) as it changes to that level. Press the key again to cycle between the brightness levels.</p>
Change the screen's brightness during alarms	<p>The <i>Dark Mode</i> menu lets you adjust the OLED brightness when an alarm is detected.</p> <ol style="list-style-type: none"> 1. Press MENU, then press VOL+ until <i>Dark Mode</i> displays. 2. Press MENU to cycle through options for alarm display brightness. 3. Press VOL+ to return to the menus.
Turn bands on and off	<p>Press MENU and cycle through the menu options until the band you want to turn off displays. Press MENU again to change that band's status.</p>

HOW DO I ...?	TRY THIS...
Change Highway to <i>City or Advanced and back</i>	Press CITY for at least 1 second to change Highway to City setting. Press CITY to change to Advanced. Press CITY again to change back to Highway.
Update the firmware	Refer to http://unidensupport.com for details.

FEATURE DETAILS

HIGHWAY VS CITY VS ADVANCED MODE

Radar detectors operate with various sensitivity levels. These levels determine the types of signals and signal ranges (bands) detected. Highway mode is the most sensitive level while City mode is the least sensitive. In Advanced mode, you can set the detection sensitivity level in 20% decrements from 100% to 40%.)

Adjusting the sensitivity level does not shorten the range that the radar detector will detect signals. It limits the bandwidth strength that the radar detector will recognize. In other words, weaker signals will not be detected.

MODE	SENSITIVITY LEVELS
Highway	100% (Full Sensitivity)
City	Ka same as Highway X and K: Reduced
Advanced	User-defined sensitivity levels in 20% decrements. <ul style="list-style-type: none"> • 100% = Full sensitivity • 80% = 3.5db attenuation • 60% = 7db attenuation • 40% = 10.5db attenuation

If the X band is left on in City mode, a radar detector can pick up many X band signals (such as garage door openers) that generate false alerts. The DFR8 reduces X band sensitivity in City mode. When you are on the highway, there is less chance of picking up X band false alerts, so the DFR8 keeps the X band sensitivity on in Highway mode.

Press **CITY** to alternate between Highway, ~~and~~ City, and Advanced modes.

POP MODE

In POP mode, the DFR8 can detect short burst from radars that are too fast for many other detectors to catch. You can turn POP mode on and off.

SCAN/MODE DISPLAY

You can select either Scan or Mode to display on the DFR8 OLED through the menus.

Mode Display

Select a specific mode to display through the *Mode* menu, and then select *Mode* in the *Display Mode* menu.

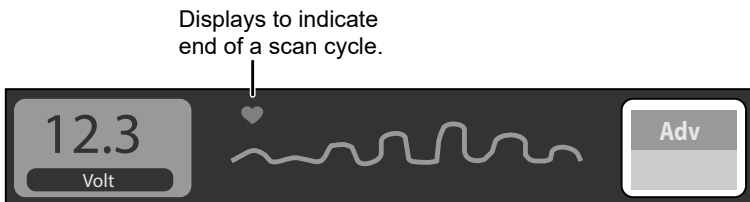
1. Press **MENU**, then press **VOL+**; the next setting displays.
2. Press **MENU** to cycle between *Mode* and *Scan* display. Select *Mode*.



Scan Display

In Scan mode, the OLED displays a curved line to indicate scanning is in progress. A heart icon indicates the end of one scan cycle and the beginning of another. Select Scan display through the *Display Mode* menu.

1. Press **MENU**, then press **VOL+**; the current mode setting displays.
2. Press **MENU** to cycle between *Mode* and *Scan*. Select *Scan*.



THREAT

The DFR8 detects up to 4 radar band signals (threats) at a single time. The strongest radar signal is designated as the Priority threat, and its frequency displays on the OLED. The other three threats (signals) are indicated in the left side of the display. In the following example, 2 K band, 1 X band, and 1 Ka band threats are detected.



The *Priority* menu setting determines whether Ka band signals have priority over other signals. If *Priority* is set to Signal priority, the strongest signal displays on the OLED. If *Priority* is set to Ka Priority, the Ka band radar signal displays on the OLED.

ALARMS

When the DFR8 detects an X, K, Ka, or Laser signal, the DFR announces the alarm and the OLED displays it. You can immediately adjust the alarm volume through the **VOL+** and **VOL-** keys. Adjust the OLED's brightness levels through the menu.

Alarms display according to the following priorities:

1. Laser signal
2. X, K, Ka Band signal
3. Vehicle Low Battery Voltage Warning

Auto Mute

When the DFR8 detects a signal, it sounds an alarm at the current volume level. To make the alarm quieter, turn on Auto Mute. This will reduce the volume to the level set (0 - 5) in the *Auto Mute Volume* menu whenever those signal types are detected.

If the current volume level is 0, the DFR8 will not change the volume to the Auto Mute Volume level; it will keep the volume level at 0.

Auto Mute ends 10 seconds after the alarm ends unless:

- The same signal is detected within that 10 second period; then, Auto Mute stays on.

- A different band signal is detected during that 10 second period; then, Auto Mute turns off and then back on at the current volume level.

Adjust OLED Alarm Display Brightness

The *Dark Mode* menu lets you adjust the OLED brightness when an alarm is detected.

1. Press **MENU**, then press **VOL+** until *Dark Mode* displays.
2. Press **MENU** to cycle through options for alarm display brightness.
3. Press **VOL+** to return to the menus.

AUTOMATIC OLED BRIGHTNESS

The DFR8 has a light sensor to determine when the detector should use the Bright settings (daylight) and when it should use the Dim settings (nighttime). The *Auto Dim Setting* menu lets you select an OLED intensity level for both Bright and Dim settings.

The Dim setting must be set to Auto from either the detector or the power adapter to display the Auto Dim Setting menu.

1. Press and hold **MUTE/DIM** key on detector or **MUTE** key on power connector. The next DIM setting displays.
2. Press **MUTE/DIM** (or **MUTE**) key to cycle through setting options until *Auto* displays. (This DIM setting must be set to *Auto* to display the *Auto Dim Settings* menu option.)
3. Press **MENU**, then press **VOL+** until *Auto Dim Setting* displays.
4. Press **MENU** to display *Bright* settings. Press **MENU** to cycle through the *Bright* setting options. Select a setting.
5. Press **VOL+** to display *Dim* settings. Press **MENU** to cycle through the *Dim* setting options. Select a setting.
6. Press **VOL+** again to return to the menu system and display *Backlight* menu item. Press and hold **MENU** to exit the **MENU** system.

MAINTENANCE

MAINTAINING THE EQUIPMENT

The DFR8 requires very little physical maintenance. Wipe it with a soft cloth to keep dust from accumulating. Check the power cord connections to keep them clean and free of corrosion.

UPDATING THE FIRMWARE

Uniden recommends that you update your DFR8’s firmware periodically. Go to www.uniden.com to check if you have the latest firmware. If you need to update your firmware, refer to Firmware Update Guide on www.uniden.com for details.

TROUBLESHOOTING

IF...	TRY THIS...
The unit won’t turn on	Check the connections. Be sure they are all secure.
No display or audio.	<ul style="list-style-type: none">• If no display, check the connections. Be sure they are all secure.• If no audio, check if Voice is turned off.
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 DFR8 did not alert when a police car was in view.	<ul style="list-style-type: none">• The officer may not have radar/laser units turned on.• Check that the band is turned on. Press MENU and cycle through the options to get to the bands. If the band is turned off, the OLED will show OFF. Turn the band on.
The vehicle starts but the DFR8 does not turn on.	Verify that the power cord is securely connected to the unit and inserted into the cigarette lighter jack.

SPECIFICATIONS

Receiver Type:		Antenna Type:	
Radar	Double Conversion Superheterodyne Self-Contained Antenna	Radar	Linear Polarized E-vector Vertical

Laser	Pulsed Laser Signal Receiver	Laser Front	Convex Condenser Lens
Frequency:		Laser Back	Concave Condenser Lens
X	10.525 GHz	Dimensions	4.9 in (D) x 3.1 in (W) x 1.4 in (H) [126 mm (D) x 79.00 mm (W) x 36 mm (H)]
K	24.150 GHz	Weight	6 oz (170g)
Ka	33.400 - 36.000 GHz	Operating Temp.	-4° to +185° F (Radar/Laser) -20° to +85° C (Radar/Laser)
Laser	800 nm - 1100 nm	Storage Temp.	-22° to +203° F (Radar/Laser) -30° to +95° C (Radar/Laser)
Detector Type:		Operating Power Source	DC 11.0 to 16.0 V
Radar	Scanning Frequency Discriminator	USB Interface	USB Specification 2.0/1.1
Laser	Pulse Width Discriminator	USB Jack Output Power Rating	5VDC, 2.0 Amps
Alarm Type	Voice and Beep (Detected Band and Signal strength)		

FCC INFORMATION

FCC: AMWUA1801

FCC Compliance

This device complies with Part 15 of the FCC rules. Operation is subjected 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.

Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Avis de conformité à la FCC : Ce dispositif a été testé et s'avère conforme à l'article 15 des règlements de la Commission fédérale des communications (FCC). Ce dispositif est soumis aux conditions suivantes: 1) Ce dispositif ne doit pas causer d'interférences nuisibles et; 2) Il doit pouvoir supporter les parasites qu'il reçoit, incluant les parasites pouvant nuire à son fonctionnement.

Tout changement ou modification non approuvé expressément par la partie responsable pourrait annuler le droit à l'utilisateur de faire fonctionner cet équipement.

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

POP Mode is a trademark of MPH Industries, Inc.
VG2 is a trademark of TechniSonic Industries LTD.

