Uniden®

R9

LONG RANGE Radar/Laser Detector

User's Manual

© 2020 Uniden America Corporation
Irving, Texas

Issue 1, February 2020
Printed in Korea

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:

- Reading this User's Manual.
- 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.

CONTENTS

CUSTOMER CARE 2
R9 EXTREME OVERVIEW 5
FEATURES 5
WHAT'S IN THE BOXES? 6
PARTS OF THE R9 EXTREME 7
KEY PAD 7
DISPLAY UNIT 9
MENU SYSTEM 11
BASIC OPERATIONS 21
FEATURE DETAILS 22
LASER TRANSPONDER SETTING FOR DRAGON EYE 22
AUTO DIM 23
Configure Auto Dim from MENU 23
ALLOCATING MEMORY 23
USER MARKS (LASER AND RADAR SITES) 24
RED LIGHT CAMERA POINT DELETE 25
HIGHWAY VS CITY MODE 25
POP MODE 26
MODE DISPLAY 26
SCAN DISPLAY 26
TIME DISPLAY 27
ALARM PRIORITIES 27
THREATS 28
AUTO MUTE/AUTO MUTE VOLUME 29
USER SPEED LIMIT 29
QUIET RIDE 30
RED LIGHT CAMERA QUIET RIDE 30
MAINTENANCE 30
MAINTAINING THE EQUIPMENT 30
UPDATING THE FIRMWARE/DATABASE 30
TROUBLESHOOTING 30

FCC/IC COMPLIANCE 31
FCC COMPLIANCE 31
IC COMPLIANCE 32
ONE-YEAR LIMITED WARRANTY 32

UNIDEN
LONG RANGE RADAR/LASER DETECTOR
USER'S MANUAL
R9 EXTREME

R9 EXTREME OVERVIEW

Uniden's R9 Extreme is an advanced installed laser rdar detector with actual laser interruption capability. It provides outstanding detection range and usability.

FEATURES

- GPS on/off
- User Mark Alert
- Mute on/off and Mute Memory
- Store and Update Database (up to 20,000 points should it be 2,000 points?
- POI Alert on.off (Speed Camerra Alarm and Red-Light Camera Alarm)
- Red-Light Camera Delete
- Red-Light Camera Quiet Ride on/off
- Front/Read X, K, MRCD, KA, POP, and Laser Detectuion on/off
- OLED display (16 x 32 Full Color)
- Keyboard (Mute, Dim, Volume +, Volume -, Mark, Menu, Power)
- Volume Control (0 - 8)
- Dim Mode (Auto, Bright, Dim, Dimmer, Dark, Off)
- Operating Modes (Highway, City, Advanced)
- Scan, Mode, and Time Displays
- Background Color Options
- Speed, Speed+Compass, Compass, Voltage, Altitude, Speed Unit Displays
- Speed Unit selection (mph or km/h)
- Quiet Ride
- User-Set Speed Limit Alarm
- GMT Setting
- DST Setting
- POI Alarm Range
- Mute Memory Point Range
- Voice on/off
- KA Frequency Voice on/off

- K and Ka POP on/off
- K and Ka Band Filter on/off
- TSF on/off
- K Block Filter on/off
- K Narrow/Wide
- Ka Narrow/Wide/Segmentation
- Signal/Ka Priority
- All THreat Display on/off
- Selectable Alert Tones
- Auto Mute
- Dark Mode Brightness Setting
- Auto Dim Setting
- Low Battery Voltage Warning
- Vehicle Battery Saver
- Self Test
- Factory Reset Mode
- Mute Memory All Delete
- User Mark Delete
- Software Update
- DB Version
- Alert LED

WHAT'S IN THE BOXES?

The R9 Extreme packup consists of three boxes.

Box 1 contains:

Host (1)	Key pad (1)	Display (1)
GPS (1)	Speaker (1)	Active Alert LED (1)
Remote Mute Cable (1),	USB Memory Stick (1)	LED Mounting Bracket (1)
Display Bezel (1)	Double-sided tapes	Screws

Box 2 contains:

Front Remote Radar (1)	Adjustable Mounting Clamps (2)	Mounting Bracket and screws for remote
Hex Wrench (1)	Transponder Interface (2)	Brackets
Double-sided tapes	Cable Ties	Transponder Screws
Bubble level		

Box 3 contains:

Rear Remote Radar (1)	Adjustable Mounting Clamps (2)	Mounting Bracket and screws for remote
Transponders (2)	Brackets	Double-sided tapes
Cable Ties	Transponder Extension Screws	Extension Cables for Remote and Transponder (3)

PARTS OF THE R9 EXTREME

This section describes only the R9 Extreme parts that are user-accessible. It does not discuss any parts installed outside of the vehicle cabin.

KEY PAD

The key pad should be installed within the driver's reach but not high on the dashboard. The keys on the key pad control the menu as well as adjusts the volume, alarms, user marks, and backlight.

KEY	PRESS TO...	PRESS AND HOLD TO ...
PWR	Turn R9 Extreme on.	Turn R9 Extreme off.

KEY	PRESS TO...	PRESS AND HOLD TO ...
VOL +	Turn volume up (9 levels: 0 - 8; Default = 4). There is one beep and a volume up display. In Menus, go to next item.	NA
VOL –	Turn volume down (9 levels: 0 - 8; Default = 4). There is one beep and a volume down display. In Menus, go to previous item.	
MENU	Access the Menu system. In Menus, press to cycle through options for the current menu item.	When in Menu mode, changes modes between Highway, City, and Advanced.
MUTE/ DIM	• Turn MUTE on and off. • MUTE on - Press ***MUTE/DIM*** to mute radar, laser, red-light cameras, and overspeed alarms. Returns to normal operation 10 seconds after the alert ends or if a different band is detected during Mute mode. *Mute On* displays for a few seconds. • MUTE off - Press ***MUTE/DIM*** to restore audible alarms before the 10 second automatic mute time-out. • MUTE MEMORY. Delete Mute Memory while *Mute Memory* displays. • Save a Mute Location (Mute Memory) - press ***MUTE/DIM*** again while *Mute On* displays to save that GPS location and frequency to memory. *Mute Memory* displays on the screen. ***R9 Extreme stores 2000 points divided between Mute Memory and User Mark locations.***	DIM - Changes the display brightness: • Auto (Default). Set brightness levels for the OLED display (see page 18). • Bright • Dim • Dimmer • Dark (Dark is off unless there is alert.) • Off (Off regardless of whether or not there is an alert.)

KEY	PRESS TO...	PRESS AND HOLD TO ...
	Delete Mute Memory - Press ***MUTE/DIM*** while *Mute Memory* displays; the R9 Extreme displays a delete confirmation message. Press ***MUTE/DIM*** again to confirm. MUTE RED LIGHT CAMERA VOICE ALERTS Mute the voice alert for a red light camera alarm. Press ***MUTE/DIM*** while the voice alarm for a red light camera sounds. The voice alarm mutes. MUTE ALERTS FOR POI OVERSPEED ALERT AND USER LIMIT SPEED When R9 Extreme alerts you to an overspeed or speed limit situation (an alarm sounds and an alert displays), press ***MUTE/DIM*** to silence that alarm.	DELETE RED-LIGHT CAMERA POINT During a red-light camera alert, press and hold ***MUTE/DIM*** to delete the red light camera point. A confirmation message displays. After confirming this deletion, R9 Extreme will not give an alert for that camera.
MARK	User Mark. A User Mark is a manually tagged geographic location where an alarm is usually found. The R9 Extreme alerts when close to these User Marks. *Add - Press* ***MARK*** when you are at the alarm location. *Delete - Press* MARK when you are at an alarm location that has been marked. An error message displays/sounds if memory is full or there is a GPS error.	Delete all User Marks (press and hold for 3 seconds).

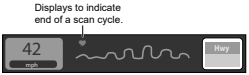
DISPLAY UNIT

The separate display unit installed in the dashboard is the visual display for alarms, alerts, and menu selections. It also displays from which direction the signals are coming.

If GPS = ON, the OLED's left display area shows the display selected in the menus (see page 19).

If GPS = Off, the OLED's left display area shows Volt regardless of user settings.

The following table provides examples of the most common displays.

OLED EXAMPLES	MEANING
Scanning for Frequencies  	Information displayed in example: • Battery voltage • Highway/City/Advanced • Scanning line
Frequency Found 	Information displayed: • Band type Type (X, K, KA) • Frequency number • Band direction • Frequency strength indicators
Speed Camera Alert 	Information displayed: • Battery voltage • Distance to speed camera • Speed camera icon
Red Light Camera Alert 	Information displayed: • Current speed in mph/km/h • Distance to red light camera • Red light camera icon
User Mark Detected 	Information displayed: • Current speed in mph/km/h • Distance to user mark • User mark icon
Time Display 	Information displayed: • Voltage • Time and AM/PM • Highway/City/Advanced
Red Light Camera - Quiet Ride 	Information displayed: • Current speed in mph/km/h • Distance to red light camera • User mark icon

OLED EXAMPLES	MEANING
Dark Mode	Set mode to Dark if the unit's OLED is not anticipated to change a lot to prevent image burn-in (*Auto Dim* setting). In Dark mode, the OLED is dark with a single white dot in the lower corner that moves from bottom left to center to bottom right. The movement of the dot confirms that the unit is still powered up.

MENU SYSTEM

Menus let you set up the system to your own specifications. You can turn different bands on and off set specific items such as red-light camera alarms or auto mute.

Press ***MENU*** on the key pad 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.

Several menu items only display if GPS is set to ON. These entries are noted in the following table.

MENU ITEM	FUNCTION	SETTINGS
Mode selection	Changes band sensitivity as follows: *Highway* - Full Sensitivity *City* - X and K sensitivity reduced. Ka band sensitivity same as Highway. *Advanced* - User adjusts X, K, and Ka band sensitivity from 100% - 30% in 10% intervals.	*Highway* (Default) *City* *Advanced* ***NOTE: If Advanced is selected, set Attenuation levels for the X, K, and Ka bands. See page 25 for details.***
	Front X Band Attenuation	*100 -30%* (10% unit decrease)
	Front K Band Attenuation	*100 -30%* (10% unit decrease)
	Front Ka Band Attenuation	*100 -30%* (10% unit decrease)
	Rear X Band Attenuation	*100 -30%* (10% unit decrease)
	Rear K Band Attenuation	*100 -30%* (10% unit decrease)
	Rear Ka Band Attenuation	*100 -30%* (10% unit decrease)
GPS	Determines your geographic location. If GPS is turned on, other GPS-related menu items display.	*On* (Default) *Off*
Speed Camera Alarm (GPS on)	Notifies you if any speed cameras are nearby.	*On* (Default) *Off*
Red Light Camera Alarm (GPS on)	Notifies you if any red light cameras are nearby.	*On* (Default) *Off*
RLC Q-Ride (GPS on)	Red Light Camera Quiet Ride - Mutes red light camera alarms if you drive over the speed limit set here.	*50 - 85 MPH* (80 - 140 km/h) *Off* (Default)
Voice	Turns voice alert on or off under the following conditions: Type of radar/laser Band alarms	*On* (Default) *Off*

MENU ITEM	FUNCTION	SETTINGS
Ka Frequency Voice	Announces the detected Ka band frequency.	*On* *Off* (Default)
Front Radar		*On* (Default) *Off*
Front X Band	Turn off to have the front detector ignore X band frequencies. Turn on for X band sensitivity as follows: Highway: Full sensitivity City: X band sensitivity reduced	*On* *Off* (Default)
Front K Band	Turn K band detection on or off for the front radar.	*On* (Default) *Off*
Front Ka Band	Turn Ka band detection on or off for the front radar.	*On* (Default) *Off*
Rear Radar		*On* (Default) *Off*
Rear X Band	Turn off to have the rear detector ignore X band frequencies. Turn on for X band sensitivity as follows: Highway: Full sensitivity City: X band sensitivity reduced	*On* *Off* (Default)
Rear K Band		*On* (Default) *Off*
Rear Ka Band		*On* (Default) *Off*
Laser mode		*On* (Default) *Off*
Laser Jammer Mode (if Laser mode = On)		*Full Jam* (Default) *Pulse Jam* *No Jam*

MENU ITEM	FUNCTION	SETTINGS
Laser TP Setting (if Laser mode = On)		*On* *Off* ***NOTE: If Laser TP Setting is On, set Transponders.***
	TP1 Setting	Front RX → TX Rear/RX → TX
	TP2 Setting	Front/RX → TX Rear/RX → TX
	TP3 Setting	Front/RX → TX Rear/RX → TX
	TP4 Setting	Front/RX → TX Rear/RX → TX
	TP5 Setting	Front/RX → TX Rear/RX → TX
	TP6 Setting	Front/RX → TX Rear/RX → TX
K POP	Detects K POP transmissions (very brief transmissions, too fast for some detectors to hear).	*On* *Off* (Default)
MRCD	Activates MultaRadar CD/ CT low-powered radar gun detection.	*On* *Off (Default)*
Ka POP	Detects Ka POP transmissions (very brief transmissions, too fast for some detectors to hear).	*On* *Off* (Default)
K Filter	Filters noise from the K band to prevent false detections.	*On* (Default) *Off*
Ka Filter	Filters noise from the Ka band to prevent false detections.	*On* *Off* (Default)

MENU ITEM	FUNCTION	SETTINGS
TSF	Traffic Sensor Filter. Prevents false alarms caused by traffic monitoring radar systems.	*On* *Off* (Default)
K Block Filter		*On* [(Block 24.199 (±0.005)] (Default) *Off*
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/ Segmentation	Ka Narrow scans for Ka radar guns used in the US only and reduces false alarms. Ka Narrow also provides a fast response to Ka POP radar guns. Ka Wide scans Super Wide Ka band. Ka Segmentation allows the user to customize a Ka band sweep from 9 filtered settings.	*Ka Narrow* (Default) *Ka Wide* *Segmentation* (Default = On) *Ka 1* : 33.399 – 33.705 On/Off *Ka 2* : 33.705 – 33.903 On/Off *Ka 3* : 33.903 – 34.191 On/Off *Ka 4* : 34.191 – 34.587 On/Off *Ka 5* : 34.587 – 34.803 On/Off *Ka 6* : 34.803 – 35.163 On/Off *Ka 7* : 35.163 – 35.379 On/Off *Ka 8* : 35.379 – 35.613 On/Off *Ka 9* : 35.613 – 35.701 On/Off
Priority	Sets whether Ka band signals have priority over the strongest radar signals for X, K, or Ka band. Laser alerts have priority over radar alerts.	*Signal Priority* *Ka Priority* (Default)
Mute Memory Band (GPS on)	Select bands to be muted.	X & K (Default) X, K, Ka

MENU ITEM	FUNCTION	SETTINGS
Threat	Displays if more than one radar signals are detected at the same time. The signal with the strongest radar signal is considered the main signal; the other signals are displayed on the left side (see page 28).	*All Threat On* *All Threat Off* (Default)
Background Color	Select screen text color.	*Blue* *Amber* (Default) *Green* *Pink* *Grey* *Red* *White* *Purple*
Arrow Color Not in Menu Isn't the arrow color user-selectable?	Set the arrow color for each radar band. • X • K • MRCD • Ka	Red (Default) Blue Green Orange Yellow White Violet
Band Color Not in Menu Isn't the band color user-selectable?	Set the color for each radar band indicator. • X Band • K Band • MRCD Band • Ka Band ***If Signal is selected, the radar band color matches the signal strength level color; it changes as the signal strength level changes.***	Signal (Default; radar band color matches the signal strength level color) Arrow (radar band color matches arrow color selection) Red Blue Green Orange Yellow White Violet

MENU ITEM	FUNCTION	SETTINGS
Display (GPS on)	Select what will display on the OLED, either scanning for frequencies (see page 26), the mode (see page 26), or the time (see page 27).	*Scan* *Mode* (Default) *Time* (GPS on)
Left Display (GPS on)	Lets you select various attributes to display on the left side of the OLED.	*Speed* (Default) *Spd + Compass* *Compass* *Voltage* *Altitude* (*m* or *ft*) ***NOTE: Altitude display depends on speed unit selection (see page 27).***
Alert Display	Select one of two OLED display formats (see page 26).	Alert Display #1 (Default) Alert Display #2
Speed Unit (GPS on)	Select the speed measurement type.	*mph* (Default) *Km/h*
X Band Tone	Set a tone to indicate X Band.	*1 ~ 12 tones* (Default = 1)
K Band Tone	Set a tone to indicate K Band.	*1 ~ 12 tones* (Default = 2)
MRCD Tone	Set a tone to indicate MRCD.	*1 ~ 12 tones* (Default = 2)
Ka Band Tone	Set a tone to indicate Ka Band.	*1 ~ 12 tones* (Default = 3)
Bogey Tone	Set a tone to indicate the detector is responding to a different Ka band signal.	*1 ~ 5 tones* (Default = 1)
Laser Tone	Set a tone to indicate Laser.	*1 ~ 12 tones* (Default = 4)

MENU ITEM	FUNCTION	SETTINGS
Auto Mute	Auto Mute reduces alarm level to 1 after 3 seconds and returns to normal operation (Auto Mute = OFF) 10 seconds after the alert ends. If the same alarm sounds within the 10 second period, Auto Mute remains at level 1. 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	Sets a volume level for muted alarms.	*0 - 5* (Default = 2) *Off*
Dark Mode Brightness Setting	Set Alert brightness.	*Bright* *Dim* *Dimmer* (Default)
Auto Dim Setting [Displays if Dim set to Auto through the key pad (see page 9)]	See page 23 for details.	Bright Brightness - Select Bright, Dim, or Dimmer. Dim level - Select Bright, Dim, Dimmer, Dark, or Off.
	Time Setting	*On* *Off* (Default)
	Bright Time (Activated if Time Setting = On)	*5:30 AM* to *7:30 AM* in 15-minute increments (Default = 6:30 AM)
	Bright Level	*Bright* (Default) *Dim* *Dimmer*
	Dim Time (Activated if Time Setting = On)	*5:00 PM* to *8:00 PM* in 15-minute increments (Default = 6:00 PM)

MENU ITEM	FUNCTION	SETTINGS
	Dim Brightness Set	*Bright* *Dim* (Default) *Dimmer* *Dark* *Off*
Backlight		*On* (Default) *Off*
Quiet Ride (GPS on)	Mutes radar alarms for K and X bands when you drive under the speed limit you set here.	mph = 5 - 90 in 5 mph intervals km/h = 10 - 140 in 10 km/h intervals *Off* (Default)
Limit Speed (GPS on)	Set an alarm to sound if you go faster than this selected speed.	50 - 100 mph (80 - 160 km/h) *Off* (Default)
GMT (GPS on)	Sets time zone according to Greenwich Mean Time (GMT).	Most common time zone settings for North America are: GMT-05:00 - Eastern Standard GMT-06:00 - Central Standard GMT-07:00 - Mountain Standard GMT-08:00 - Pacific Standard (Default) GMT-09:00 - Yukon Standard GMT-10:00 - Alaska-Hawaii Standard
DST (GPS on)	Daylight Saving Time	*On* *Off* (Default)
Low Battery Voltage Warning	Sounds a warning tone if the vehicle battery power drops below 11V.	*On* *Off* (Default)
Vehicle BAT Saver (GPS on)	Turns off power to the R9 Extreme if the speed stays at 0 or if the GPS is not connected for more than an hour.	*On* *Off* (Default)

MENU ITEM	FUNCTION	SETTINGS
Self Test	Runs a self diagnostic test on the unit to check for faults.	*On* (Default) *Off*
Volume Level		0 - 8 levels (Default = 4)
Factory Reset?	Resets all settings to the factory defaults. There is no confirmation request for reset.	Press ***MENU*** to reset to factory settings.
Delete All Mute? (GPS on)	Delete all saved Mute Memory points. ***There is no confirmation request to delete all Mute Memory points.***	Press ***MENU*** to delete all saved Mute Memory points.
User Mark Point All Delete? (GPS on)	Delete all user-selected memory points.	Press ***MENU*** to delete.
Memory Quota (GPS on)	Allocate a total of 2000 memory points between Mute Memory and User Marks.	Mute Memory: 1000 User Marks: 1000
SW Version/ DSP Version	Displays the latest firmware version.	NA
DB Ver (GPS on)	Displays the latest database version.	NA
Exit	Closes the Menu system.	NA

BASIC OPERATIONS

HOW DO I ...?	TRY THIS...
Turn on the R9 Extreme	Be sure the unit is connected to power and then press ***POWER***. The unit turns on and runs through an initial self-check if Self Test is turned on. It displays the different bands and their settings. The R9 Extreme turns on automatically when you start the vehicle.
Adjust the volume	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 audio during the alert	Press ***MUTE/DIM*** during an audio alarm to mute it.
Change the screen's brightness	Press and hold ***MUTE/DIM***. The unit displays the current brightness level. Press ***MUTE/DIM*** again. The R9 Extreme announces the brightness level (Bright, Dim, Dimmer, Dark, or Off) as it changes to that level.
Turn bands on and off	Press ***MENU*** then ***VOL +*** to cycle through the menu options until the band you want to turn off displays. Press ***MENU*** again to change that band's status.
Change Highway to City or set attenuation levels in Advanced mode and back	Press ***MENU***. The first menu selection is Highway (default). Press ***MENU*** to cycle through *Highway*, *City*, and *Advanced*. After you select *Highway* or *City*, press and hold ***MENU*** to exit. If you select *Advanced*, press ***VOL +*** to select either the K or Ka band to adjust. Press ***MENU*** to adjust sensitivity levels in 10% increments. Press ***VOL +*** again to adjust the other mode.
Set a user mark	Press ***MARK*** to create a user mark when you are at a location where there is normally some type of radar. The R9 Extreme announces "User mark logged." The R9 Extreme will announce when you approach user marks. ***R9 Extreme stores 2000 points divided between Mute Memory and User Mark locations.***

HOW DO I ...?	TRY THIS...
Delete a user mark	Press ***MARK*** again at that location to delete the user mark. ***R9 Extreme stores 2000 points divided between Mute Memory and User Mark locations.***
Delete ALL user marks	Press and hold ***MARK*** to delete all user marks. The R9 Extreme does NOT ask for confirmation before deleting single user marks.
Allocate dynamic memory points between Mute Memory and User Marks	Press ***MENU*** and then ***VOL +*** to scroll to the *Memory Quota* menu. Press ***MENU*** to select it and press ***VOL -*** and ***VOL +*** to change the allocation in 50 point increments. See page 23 for details.
Update the firmware and database	1. Save the Update file to theUSB drive. 2. Turn R9 Extreme off. Insert USB drive into the Host. Turn R9 Extreme back on. 3. R9 Extreme will automatically update. Refer to www.unidensupport.com for details.

FEATURE DETAILS

LASER TRANSPONDER SETTING FOR DRAGON EYE

Set the Laser Transponders through Menus when Laser mode in On. These settings do not affect other laser guns.

If . . .	Set to . . .
2 Transponders in Front 2 Transponders in Rear	TP1: Front TX; TP2: Front RX TP4: Rear TX; TP5: Rear RX
3 Transponders in Front 1 Transponder in Rear	TP1: Front TX; TP3 Front RX; TP4: Front TX TP5: Rear RX (Alerts to Dragon Eye but cannot jam it)
4 Transponders in Front	TP1: Front TX; TP2: Front RX TP4: Front RX; TP5: Front TX

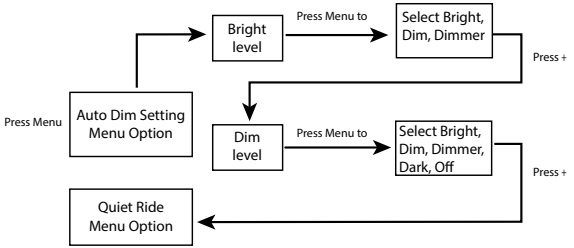
AUTO DIM

The Auto Dim feature only displays in the menus if you select *Auto* through the Auto Dim menu setting.

The R9 Extreme has a light sensor that works with the Auto Dim feature to dim or brighten the OLED display according to outside light levels. Configure OLED brightness/dim levels through the Auto Dim setting in the menus.

Configure Auto Dim from MENU

1. Press ***MENU***. Press ***VOL +*** or ***VOL –*** to scroll through the menu options until *Auto Dim Setting* displays.
2. Press ***MENU*** to access Bright level options (Bright level box in the illustration). Press ***MENU*** to scroll between *Bright*, *Dim*, and *Dimmer*.
3. Press ***VOL +*** to access Dim level options (Dim level box in the illustration). Press ***MENU*** to scroll between *Bright*, *Dim*, *Dimmer*, *Dark*, and *Off*.
4. Press ***VOL +*** to access the next menu item
5. The OLED will change to these preset levels according to outside light levels.



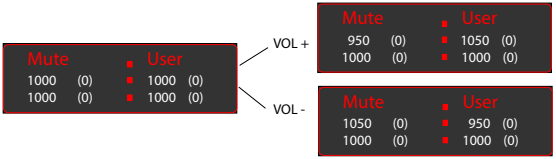
ALLOCATING MEMORY

The R9 Extreme allows 2000 memory points to be shared between Mute Memory points and User marks. The default allocation is 1000 points each; the most one category can have is 1750 with the other category having a maximum of 250 at the same time. Change this allocation through the *Memory Quota* menu.

The Memory Quota menu lets you allocate memory in 50 point blocks. For example, if you want to add 50 points to Mute Memory, those 50 points are deducted from User Marks. This creates a balancing effect between the two.

1. Select *Memory Quota* from the main menu. The Memory Quota screen displays. The bottom line is the starting allotment; the middle line is the line that changes as you increase/decrease allotments. The number in parentheses indicates the number used.

2. Use the ***VOL +*** and ***VOL -*** keys to increase or decrease the category with the highest allotment by 50 units.



3. Press ***MENU*** to save that change. *Change Quota?* displays.

NOTE: If no action is taken to confirm the quota change within 10 seconds, R9 Extreme cancels the changes and exits Menu.

4. Press ***MENU*** again to accept changes to the Memory Quota. A confirmation message displays before returning to the status screen.

USER MARKS (LASER AND RADAR SITES)

With the R9 Extreme, you can mark geographical points where you commonly encounter radar transmissions, These can be school zones, red-light cameras, and places where police frequently monitor traffic.

When you are at the location, press ***MARK***. The R9 Extreme announces “User mark logged.” Now, when you approach these points, the R9 Extreme announces “User mark ahead.”

Press and hold ***MARK*** at that location to delete that user mark.

The R9 Extreme registers up to 1000 user marks.

RED LIGHT CAMERA POINT DELETE

When you are at a red light camera and an alert displays, you can delete that camera point. Once deleted, the R9 Extreme will not alert at that red light camera location again.

To delete the RLC Point, press ***MUTE/DIM*** while the alert displays.

A confirmation message displays. Press ***MUTE/DIM*** on the key pad again. *Delete Completed* displays.

HIGHWAY VS CITY MODE

Uniden's R9 Extreme radar detector operates in two different frequency (X, K, and Ka band) sensitivity modes - Highway and City. Highway mode is the most sensitive, with maximum detection ranges while on the highway or open road. City is on the lower end of the detection scale for city driving. City mode reduce sensitivity so that false signals (such as from automatic door openers) are filtered out.

Under factory default conditions (X band = off on all modes, K and Ka bands = on), the band sensitivities are:

- Highway: X band off; K and Ka band full sensitivity.
- City: X band off and K band sensitivity reduced; Ka band full sensitivity.
- Advanced: Adjust the sensitivity level for each band.

You can adjust the sensitivility levels of each band.

1. Press ***MENU***. The current mode displays (Default = Highway)
2. Press ***VOL +*** to scroll through the option and select Advanced mode. Press ***MENU*** to adjust sensitivity levels in 10% increments.

Sensitivity Level %	Sensitivity Adjustment (Attenuation)
100	Full sensitivity (Default)
90	– 1 dB
80	– 2 dB
70	– 3 dB

Sensitivity Level %	Sensitivity Adjustment (Attenuation)
60	– 4.5 dB
50	– 6 dB
40	– 8 dB
30	– 10.5dB

3. When complete, press ***VOL +*** to move to the next mode to adjust.
4. Press ***VOL +*** to return to the ***MENU***.

Turn X band on in the menus with K and Ka bands still on (default); the mode sensitivities are:

- Highway: X, K, and Ka band full sensitivity.
- City: X and K band sensitivity reduced; Ka band full sensitivity.

If a band is turned off through the menus, it is off in all modes.

POP MODE

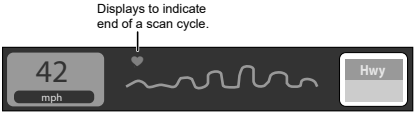
In POP mode, the R9 Extreme can detect short burst from radars that are too fast for many other detectors to catch. You can turn POP mode on and off in the Menu system.

MODE DISPLAY

The OLED displays the voltage on the left side of the display and the mode on the right side. Set the mode through the *Display Mode* menu.

SCAN DISPLAY

R9 Extreme uses 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* through the *Display Mode* menu. This example shows speed (42 mph on the left side) and Highway (HWY on the right side).



Once a frequency is detected, the screen displays that frequency with a sequence of 5 colored ovals to indicate the strength. Colors go from white, light yellow, yellow (weaker signals) to orange and red (stronger signals).

TIME DISPLAY

The OLED displays the time in the center of the OLED if *Time Display* is selected in the menu.

ALTITUDE DISPLAY

The altitude display changes according to the speed unit selected in the menu. If mph is selected, the altitude displays in feet (*ft*). If KM/h is selected, the altitude displays in meters (*m*).

If Speed Unit = mph, then Altitude measured in feet.

If Speed Unit = km/h, then Altitude measured in meters.

ALARM PRIORITIES

- GPS Connected / GPS Error / Speed Camera / Red Light Camera / User Mark Alarm/POI Limit Speed Alarm.
- Laser signal

- MRCD Alarm

- X, K, Ka band signal

- User Limit Speed Alarm

- Vehicle Low Battery Voltage Warning, Vehicle Battery Saver Alarm

THREATS

The R9 Extreme detects up to 6 radar band signals (threats) at a single time (four from the front and four from the rear). The Priority signal is determined by the Priority menu setting (Signal vs Ka Priority) and its frequency displays in the main portion of the OLED. The left side of the display shows other signals from the front and the right side of the display shows other signals from the rear. This example displays 4 threats from the front and 4 threats from the rear.

This example shows 3 signals from the front and 1 signal from the rear.

MUTE MEMORY

Use Mute Memory to mute known areas of false alarms (such as department store automatic doors). The R9 Extreme remembers where you muted the audio (GPS location) and the frequency you muted. It will automatically mute when you travel to that location and the saved frequency is detected; however, if a different frequency is detected, the R9 Extreme alerts to that different frequency.

When you press ***MUTE/DIM*** to mute audio for a specific location, *Mute On* displays. While *Mute On* displays, press ***MUTE/DIM*** again to save that GPS location to memory. *Mute Memory* displays on the screen.

R9 Extreme stores 2000 points divided between Mute Memory and User Mark locations.

To delete Mute Memory points, press ***MUTE/DIM*** while *Mute Memory* displays. The R9 Extreme displays a delete confirmation message; press ***MUTE/DIM*** again to confirm. You can also delete Mute Memory points from *Menus/Delete All Mute?*

AUTO MUTE/AUTO MUTE VOLUME

When the R9 Extreme detects a signal, it sounds an alarm at the current volume level. To make the alarm quieter, turn Auto Mute on through the menus (see page 18) and then adjust the volume in the *Auto Mute Volume* menu (see page 18).

If the current volume level is 0, the R9 Extreme 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.

Auto Mute does not apply to Laser Alert.

USER SPEED LIMIT

When you set a speed limit thorough the *Limit Speed* menu, the R9 Extreme sends an alarm tone if your speed exceeds that speed limit setting. If that happens, the unit announces and displays over speed warnings.

QUIET RIDE

This function mutes X and K band radar alarms to zero volume. The radar band and frequency flashes when you drive under the speed limit set in this menu (up to 90 mph/140 km/h).

Ka and Laser bands are NOT muted. Mute Memory overrides Quiet Ride.

RED LIGHT CAMERA QUIET RIDE

This function mutes red light camera alarms when you drive over a speed limit set in this menu (up to 85 mph or 140 km/h) (see page 12).

MAINTENANCE

MAINTAINING THE EQUIPMENT

The R9 Extreme requires very little physical maintenance. Wipe the key pad and display with a soft cloth to keep dust from accumulating.

UPDATING THE FIRMWARE/DATABASE

Uniden recommends that you update your R9 Extreme firmware and database periodically. Go to www.unidensupport.com/radar-detectors/, find your model, and check if you have the latest firmware. For the R9 Extreme, load the new update onto the included USB stick. Insert the USB stick into the controller and restart the system.

TROUBLESHOOTING

If...	TRY THIS...
The unit won't turn on	Check the connections. Be sure they are all secure.
No display or audio.	If no display, check the connections. Be sure they are all secure. If no audio, check if Voice is turned off.

If...	TRY THIS...
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 R9 Extreme did not alert when a police car was in view.	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.
R9 Extreme's audible alerts become softer after the first few alerts	R9 Extreme is in Auto Mute mode. See page 18.
The Power On sequence starts when you are driving.	A loose connection can cause the unit to restart. Check the connections and re-secure if needed.
The display is blank.	The display is in Dark mode. Press and hold ***MUTE/DIM*** button to adjust the screen brightness.

FCC/IC COMPLIANCE

AMWUA2301

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.

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.

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

Cet appareil est conforme aux normes RSS exemptes de licences d'Industrie Canada. Son fonctionnement est soumis aux deux conditions suivantes : (1) cet appareil ne doit pas causer d'interférences nuisibles et (2), il doit pouvoir accepter les interférences, incluant celles pouvant nuire à son fonctionnement normal.

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: cThis 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.