Uniden®

R9
Owner's Manual

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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 Owner'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.

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

R9 OVERVIEW

Uniden's R9 is an advanced installed laser radar 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
- Auto Mute Memory
- POI Alert on/off (Speed Camera Alarm, Red-Light Camera Alarm, and POI Passchime)
- Speed Camera Alert Range Option
- Red-Light Camera Delete
- Red-Light Camera Quiet Ride on/off
- Front/Rear X, K, MRCD/T, Gatso RT3/4, KA, POP, and Laser Detection on/off
- OLED display (160 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, Auto, and Advanced)
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- Background Color Options
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- DST Setting
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- Power Button Receive
- Any Button Receive
- Laser Tone - R
- Built-in Bluetooth Capability

WHAT'S IN THE BOXES?

The R9 packup consists of three boxes.

NOTE: Each box contains packets of screws and other assorted hardware and are not called out specifically in the following tables.

Box 1 contains:

What it is	What it looks like	What it does
Controller		Provides power to the R9 elements. Color coded tabs indicate where each element connects to the Controller. ***CAUTION: Only provide 12V power to the R9 Controller. Do not provide 24V power. If you only have 24V power in the car, use a 24V to 12V adapter.***
Keypad		Control the menu as well as adjusts and mutes volume and alarms, user marks, and backlight.
Display		Provides the visual display for alarms, alerts, frequencies, and menu selections. LEDs on the right side indicate the signal direction.

What it is	What it looks like	What it does
GPS		Tracks vehicle location related to GPS database for red light cameras, speed cameras, etc.
Speaker		Provides audio output for alarms and alerts, etc.
Active Alert LED		Incoming signal indicator. (Red = signal coming from front or side; Blue = signal coming from rear; Green = all clear). Usually mounted in speedometer area or area within line of sight. LED mounting bracket is already installed.
Radio Mute Cable		Mutes the radio when an alarm or alert sounds.
Display Bezel		Provides protection to the Display when installed.
Double-Sided Adhesive Tapes		Adheres equipment and cabling to surfaces.
USB Memory Stick		Contains Owner's Manual. Also used to transfer firmware updates from website to R9.

Box 2 contains:

What it is	What it looks like	What it does
Front Remote Radar		Radar Detector

What it is	What it looks like	What it does
Adjustable Mounting Clamps (2)		The clamps mount on the side of the Remote Radar and connect the Remote Radar to the vehicle.
Mounting Bracket and Screws for Remote Radar		Multiple brackets and screws to mount front Remote Radar according to different vehicle configurations.
Laser Distribution Box		Connects transponders to main interface.
Hex wrench		Use with various screws for installation.
Transponder (3)		Detects specific laser signals.
Double-Sided Adhesive Tapes		Adheres equipment and cabling to surfaces.
Cable Ties		Ties loose cables together.
Bubble Level		Levels the transponder interfaces and remote radars during installation.

Box 3 contains:

What it is	What it looks like	What it does
Rear Remote Radar		Radar Detector
Mounting Bracket and Screws for Remote Radar		Multiple brackets and screws to mount rear Remote Radar according to different vehicle configurations.
Transponder Interfaces (3)		Detects specific laser signals.
Double-Sided Adhesive Tapes		Adheres equipment and cabling to surfaces.
Cable Ties		Ties loose cables together.
Extension Cables for Remote and Transponder (3)		Provides extra cable length if needed.
Adjustable Mounting Clamps (2)		The clamps mount on the side of the Remote Radar and connect the Remote Radar to the vehicle.

PARTS OF THE R9

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

KEYPAD

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

KEY	PRESS TO...	PRESS AND HOLD TO ...
PWR	Turn R9 on. When R9 is on, users can set the Laser Transponder as follows: Press the PWR button to disable Laser Transponder (Receive Mode) while R9 is operating. Press the button again to return to the user settings (Constant Mode/Pulse Mode/Receive Mode).	Turn R9 off.
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 standby mode, changes modes between Highway, City, Auto, and Advanced.

KEY	PRESS TO...	PRESS AND HOLD TO ...
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 Save a Mute Location (Mute Memory) - press ***MUTE/DIM*** again while *Mute On* displays to save that GPS location and frequency to memory. Next, choose a direction option - Mute Mem Front?, Mute Mem Rear?, or Mute Mem Both? *Mute Memory* displays on the screen. ***NOTE: R9 stores 2000 points divided between Mute Memory and User Mark locations.*** Delete Mute Memory - Press ***MUTE/ DIM*** while *Mute Memory* displays; the R9 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 alerts you to an overspeed or speed limit situation (an alarm sounds and an alert displays), press ***MUTE/DIM*** to silence that alarm.	DIM - Changes the display brightness: • Auto (Default). Set brightness levels for the OLED display (see page 31). • Bright • Dim • Dimmer • Dark (Dark is off unless there is alert.) • Off (Off regardless of whether or not there is an alert.) 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 will not give an alert for that camera.

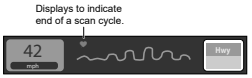
KEY	PRESS TO...	PRESS AND HOLD TO ...
MARK	User Mark. A User Mark is a manually tagged geographic location where an alarm is usually found. The R9 alerts when close to these User Marks. *Add - Press* ***MARK*** when you are at the alarm location. *Delete - Press* MARK when you are at an alarm location 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 more than 1.5 seconds to save the K band signal for the User K Block Filter while receiving a K band signal.)

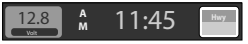
DISPLAY UNIT

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.

NOTE: If GPS = ON, the OLED's left display area shows the display selected in the menus (see page 28).
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: • Current speed in mph/km/h. • Highway/City/Auto/Advanced • Scanning line

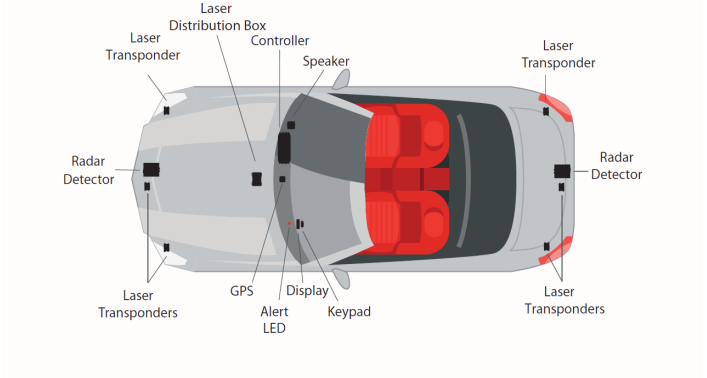
OLED EXAMPLES	MEANING
Frequency Found  Front and Rear Frequencies Different  	Information displayed: • Band type Type (X, K, KA, MRCD/T, Gatso RT3/4) • Frequency number(s) • Band direction • Frequency strength indicators
Speed Camera Alert  	Information displayed: • Current speed in mph/km/h. • Distance 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/Auto/Advanced
Red Light Camera - Quiet Ride  	Information displayed: • Current speed in mph/km/h • Distance to red light camera • Red light camera 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.

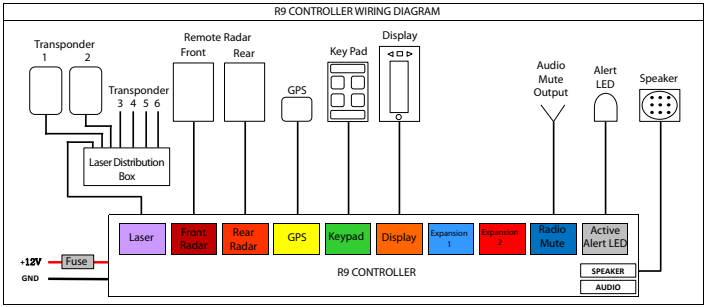
R9 INSTALLATION OVERVIEW

This installation overview is a general look at the R9 elements and how they work together. Where these elements are physically installed can vary from vehicle to vehicle. Your professional installer will know best where to install each one according to your vehicle's physical layout.

This illustration shows the R9 basic element placement.



The Controller is the brain of the R9 system. It provides power to and communications between the elements that attach to it.



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 keypad to access the Menu system. The screen displays the selection's current status.

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.

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

NOTE: The MENU ITEM column in the following table displays only what is shown on the display. The full name of the feature may be too long for the display. The feature's full name is shown in parentheses after the displayed menu item.

MENU ITEM	FUNCTION	SETTINGS
Select Path	Select expert or basic menu paths.	*Expert* *Basic*

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. Auto - Changes to Highway or City depending on vehicle speed compared to the Auto City speed set in menus (10 - 60 mph, Default = 40 mph). *Advanced* - User adjusts X, K, and Ka band sensitivity from 100% - 30% in 10% intervals.	*Highway* (Default) *City* *Auto* *Advanced* ***NOTE: If Advanced is selected, set Attenuation levels for the X, K, and Ka bands. See page 44 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)
Auto City (Auto City Speed) (Displays if Mode = Auto.)	Set the speed at which the Auto mode setting will change mode from Highway to City.	*10 - 60 mph* (5 mph unit) or *10 - 100 km/h* (10 km/h unit) (Default = 40 mph or 60 km/h)
GPS (Expert Mode)	Determines your geographic location. If GPS is turned on, other GPS-related menu items display.	*On* (Default) *Off*
Speed Camera (Speed Camera Alarm) (GPS on)	Alarm sounds when you are within range of a speed camera.	*On* (Default) *Off*

MENU ITEM	FUNCTION	SETTINGS
SpdCam d: (Speed Camera Alert Range) (Displays if both GPS and the Speed Camera Alarm are set to On.)	Speed Camera Alert Range sets the maximum distance that the R9 will alert to speed cameras.	*Auto/1000 ft* (Default)*/2000 ft/2500 ft/3000 ft* *Auto/300m/600m/760m/900m*
RedLight Cam (RedLight Camera Alarm) (GPS on)	Alarm sounds when you are within range of a red light camera.	*On* (Default) *Off*
RLC Q-Ride (GPS on) (Basic or Expert Mode)	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)
POI Passchime (GPS on) (Basic or Expert Mode)	A chime sounds when you pass a fixed point of interest, such as a speed camera or red light camera.	*POI Passchime On* *POI Passchime Off* (Default)
Voice (Basic or Expert Mode)	Turns voice alert on or off under the following conditions: Type of radar/laser Band alarms	*On* (Default) *Off*
Ka Freq. Voice (Basic or Expert Mode)	Announces the detected Ka band frequency.	*On* *Off* (Default)
Front Radar (Basic or Expert Mode)	Turn off to ignore incoming frequencies.	*On* (Default) *Off*

MENU ITEM	FUNCTION	SETTINGS
Front X (Front X Band)	Turn X band detection 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 (Front K Band)	Turn K band detection on or off for the front radar.	*On* (Default) *Off*
Front Ka (Front Ka Band)	Turn Ka detection on or off for the font radar.	*On* (Default) *Off*
Rear Radar	Turn off to have the rear radar ignore incoming frequencies	*On* (Default) *Off*
Rear X (Rear X Band)	Turn off Rear X Band feature for rear detector to 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 (Rear K Band)	Turn K band detection on or off for the rear radar.	*On* (Default) *Off*
Rear Ka (Rear Ka Band)	Turn Ka band detection on or off for rear radar.	*On* (Default) *Off*

MENU ITEM	FUNCTION	SETTINGS
Laser mode (Basic or Expert Mode)	Turn laser recognition on or off.	*On* (Default) *Off*
Laser Gun ID (Laser Gun Identification) (Expert Mode)	Select On to display the detected laser gun's name.	*On* *Off* (Default)
Laser Gun Vce (Laser Gun Identification Voice) (Expert Mode)	When set to On, this feature will announce the type of laser gun identified.	*On* *Off (Default)*
Laser Jammer Mode (if Laser mode = On) (Expert Mode)	Set jamming levels. (See page 40 for details.)	*Constant Mode* (Default) *Pulse Mode* *Receive Mode*
	If Laser Jammer Mode = Pulse Mode, the 2 Laser Pulse Mode Time feature menu items display: Pulse On: Time Pulse Off: Time	*Laser Pulse Mode On:* 3 ~ 10 sec in 1 sec steps (Default = 5 sec) *Laser Pulse Mode Off:* 30 ~ 60 sec in 10 sec steps (Default = 30 sec)

MENU ITEM	FUNCTION	SETTINGS
Laser TP Setting (Laser TP Mode Setting) (if Laser mode = On) See page 40 for laser transponder information. (Expert Mode)	Assign front or rear placement to laser transponders.	
	TP1 Setting	*Front/RX* (Default) *Front/TX* *Rear/RX* *Rear/TX* *OFF*
	TP2 Setting	*Front/RX* *Front/TX* (Default) *Rear/RX* *Rear/TX* *OFF*
	TP3 Setting	*Front/RX* (Default) *Front/TX* *Rear/RX* *Rear/TX* *OFF*
	TP4 Setting	*Front/RX* *Front/TX* *Rear/RX* (Default) *Rear/TX* *OFF*
	TP5 Setting	*Front/RX* *Front/TX* *Rear/RX* *Rear/TX* (Default) *OFF*
	TP6 Setting	*Front/RX* *Front/TX* *Rear/RX* (Default) *Rear/TX* *OFF*
Pwr Btn Rx: (Power Button Receive)	Select amount of time for Laser TP to be in Receive mode before returning to mode selected in Laser Jammer Mode entry. See page 40 for feature description.	*10* *15* *20* *25* *30* *Toggle* (Default)

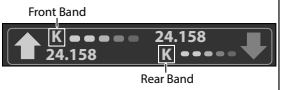
MENU ITEM	FUNCTION	SETTINGS
Any Btn Rx: (Any Button Receive)	Set this to On to allow any button press to change the Laser TP setting to Receive. Once in Receive mode, the buttons revert to their original function until a new laser alert is received and any button is pressed.	*On* (Default) *Off*
K POP (Expert Mode)	Detects K POP transmissions (very brief transmissions, too fast for some detectors to hear).	*On* *Off* (Default)
MRCD/T	Activates MultaRadar CD/CT low-powered radar gun detection.	*On* *Off (Default)*
Gatso RT3/4	Activates Gatso RT3/4 gun detection.	*On* *Off* (Default)
Ka POP (Expert Mode)	Detects Ka POP transmissions (very brief transmissions, too fast for some detectors to hear).	*On* *Off* (Default)
K Filter (Expert Mode)	Filters noise from the K band to prevent false detections.	*On* (Default) *Off*
Ka Filter (Expert Mode)	Filters noise from the Ka band to prevent false detections.	*On* *Off* (Default)
TSF (Expert Mode)	Traffic Sensor Filter. Prevents false alarms caused by traffic monitoring radar systems.	*On* *Off* (Default)
K Blk1 Filter (Expert Mode)	Keep K Block1 Filter ON to block K band monitor systems (see page 40).	*On* (Block 24.194 ~ 24.204) *Off* *Weak* (Default) *Max* *Mute* *Level*

MENU ITEM	FUNCTION	SETTINGS
K Blk2 Filter (Expert Mode)	Keep K Block2 Filter ON to block K band monitor systems (see page 40).	*On* (Block 24.166 ~ 24.170) *Off* *Weak* (Default) *Max* *Mute* *Level*
K Blk3 Filter (Expert Mode)	Keep K Block3 Filter ON to block K band monitor systems (see page 40).	*On* (Block 24.121 ~ 24.124) *Off* *Weak* (Default) *Max* *Mute* *Level*
K usr1 Filter (Expert Mode)	The user sets a K Band frequency range to be automatically blocked. Block 23.900 ~ 23.900 displays as the default value for this menu. Once the range is set (see page 45), that range displays here.	*On* *Weak* *Max* *Mute* *Level* *Off* (Default) ***NOTE: User K Block Filter settings will stay the same even after factory reset.***
K usr2 Filter (Expert Mode)	The user sets a K Band frequency range to be automatically blocked. Block 23.900 ~ 23.900 displays as the default value for this menu. Once that range is set (see page 45) it displays here.	*On* *Off* (Default) *Weak* *Max* *Mute* *Level* ***NOTE: User K Block Filter settings will stay the same even after factory reset.***

MENU ITEM	FUNCTION	SETTINGS
K usr3 Filter (Expert Mode)	The user sets a K Band frequency range to be automatically blocked. Block 23.900 ~ 23.900 displays as the default value for this menu. Once that range is set (see page 45), it displays here.	*On* *Off* (Default) *Weak* *Max* *Mute* *Level* ***NOTE: User K Block Filter settings will stay the same even after factory reset.***
K usr4 Filter (Expert Mode)	The user sets a K Band frequency range to be automatically blocked. Block 23.900 ~ 23.900 displays as the default value for this menu. Once that range is set (see page 45), it displays here.	*On* *Off* (Default) *Weak* *Max* *Mute* *Level* ***NOTE: User K Block Filter settings will stay the same even after factory reset.***
K usr5 Filter (Expert Mode)	The user sets a K Band frequency range to be automatically blocked. Block 23.900 ~ 23.900 displays as the default value for this menu. Once that range is set (see page 45), it displays here.	*On* *Off* (Default) *Weak* *Max* *Mute* *Level* ***NOTE: User K Block Filter settings will stay the same even after factory reset.***

MENU ITEM	FUNCTION	SETTINGS
K Wide/ Narrow/ Extended (Expert Mode)	K Narrow scans for K band radar guns used in the US only and reduces false alarms. K Wide scans for normal K band radar guns operating at 24.050 – 24.250GHz. Extended detects signals below 24.050 (23.900 – 24.250GHz).	*K Wide* (Default) *K Narrow* *Extended*
Ka Narrow/ Wide/ Segmentation (Expert Mode)	Ka Narrow scans for Ka band 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 (Expert Mode)	Sets whether Ka band signals have priority over the strongest radar signals for X, K, or Ka band, or MRCD. Laser alerts have priority over radar alerts.	*Ka/MRCD Priority* *MRCD/Ka Priority* *Signal Priority* or *Signal Priority* *Ka Priority* (Default)
Mute Memory (Mute Memory Band) (GPS on) (Expert Mode)	This feature sets which bands to mute.	*X & K* (Default) *X, K, Ka*

MENU ITEM	FUNCTION	SETTINGS
Auto Mute Mem (Auto Mute Memory) (Expert Mode)	This feature can turn auto mute memory on and off.	*On* (Default) *Off*
Auto Mem (Auto Mute Memory Band) (Expert Mode)	This feature can turn specific sets of bands on and off.	*X & K* (Default) *X, K, Ka*
Threat Display	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 45).	*All Threat On* *All Threat Off* (Default)
Color (Expert Mode)	Select background color for both the keypad and the display.	*Blue* *Amber* *Green* *Pink* *Gray* *Red* (Default) *White* *Purple*

MENU ITEM	FUNCTION	SETTINGS
Arrow Color (Expert Mode)	Set the arrow color for each front and rear radar band. Menu displays front options first followed by rear options. • Front/Rear Laser • Front/Rear X • Front/Rear K • Front/Rear Ka • MRCD/T (If MRCD/T turned on) • Gatso RT3/4 (If Gatso RT3/4 turned on) When the radio alerts to a specific band, the arrow for that band is the color set in this menu.	*Red (Front default)* *Blue (Rear default)* *Green* *Orange* *Yellow* *White* *Violet* 
Band Color (Expert Mode)	Set the color for each front and rear radar band. Menu displays front options first followed by rear options. • Front, Rear X • Front, Rear K • Front, Rear MRCD/T (if MRCD/T = On) • Front, Rear Gatso RT3/4 (if Gatso = On) • Front, Rear Ka ***NOTE: If Signal is selected, 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
Mode Display	Select what will display on the OLED, either scanning for frequencies and mode (see page 41). ***NOTE: If GPS = On, you can also select Time to display.***	*Scan* *Mode* (Default) *Time* (GPS on)
Scan Icon	The Scan icon is a series of dots that travel across the OLED to indicate that the R9 is scanning for frequencies. This menu item turns that icon on and off.	*On* *Off* (Default)
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 42).***
Alert Display	Choose between two display styles.	*Alert Display #1* (Default) *Alert Display #2*
LED Initial	When LED Initial mode is set to On, the Alert LED will be green if no signals are present. When the LED Initial mode is set to Off, the Alert LED is off if no signals are present.	*On* *Off* (Default) NOTE: Regardless of whether this field is On or Off, the Alert LED blinks if signals are present.
Speed Unit (GPS on)	Select the speed measurement type.	*mph* (Default) *km/h*
X Band Tone (Expert Mode)	Set a tone to indicate X Band.	*1 ~ 12 tones* (Default = 1)

MENU ITEM	FUNCTION	SETTINGS
K Band Tone (Expert Mode)	Set a tone to indicate K Band.	*1 ~ 12 tones* (Default = 2)
K Bogey Tone (Expert Mode)	Set the tone to sound if a different K band signal is detected during a K band alert.	*1 ~ 5 tones* (Default = 1)
K Bogey Level (K Bogey Alert Level) (Expert Mode)	Set a signal strength level for K Bogey Alert in order to minimize K Bogey alert frequency. For example, when K Bogey Alert Level = 3, K Bogey Alert does not announce if a different K band signal is detected during a K band alert and its signal strength level is lower than 3.	*1 ~ 5 levels* (Default = 3)
MRCD/T Tone (If MRCD/T is on) (Expert Mode)	Set a tone to indicate MRCD/T.	*1 ~ 12 tones* (Default = 6)
Gatso Tone (Gatso RT3/4) (If Gatso = On, see page 22) (Expert Mode)	Set a tone to indicate Gatso RT3/4.	*1 ~ 12 tones* (Default = 9)
Ka Band Tone (Expert Mode)	Set a tone to indicate Ka Band.	*1 ~ 12 tones* (Default = 3)
Ka Bogey Tone (Expert Mode)	Set the tone to sound if a different Ka band signal is detected during a Ka band alert.	*1 ~ 5 tones* (Default = 1)

MENU ITEM	FUNCTION	SETTINGS
Laser Tone (Expert Mode)	If Laser Jammer Mode is set to Constant or Pulse (page 20), the laser tone selected in this menu will sound during a laser alert.	*1 ~ 12 tones* (Default = 4)
Laser Tone - R	If Laser Jammer Mode is set to Receive (page 20), the laser tone selected in the this menu will sound during a laser alert. “Receive” also displays during the laser alert. 	*1 ~ 12 tones* (Default = 5)
Auto Mute	Auto Mute reduces alarm level to the level set in the Auto Mute Volume menu (0 ~ 7) 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 - 7* (Default = 2)

MENU ITEM	FUNCTION	SETTINGS
Dark mode (Dark Mode Brightness Setting) (Expert Mode)	Set Alert brightness.	*Bright* *Dim* *Dimmer* (Default)
Auto Dim Setting [Displays if Dim Mode is set to Auto through the keypad (see page 12)] (Expert Mode)	See page 38 for details.	Auto Dim Setting has two options: *Sensor* (Default). The brightness is adjusted by a light sensor. *Time*: The brightness is adjusted by the time of day.
	Auto Dim Setting	*Sensor* (Default) *Time*
	Bright Time [Displays if Auto Dim Setting (above) = Time]	*5:30 AM* to *7:30 AM* in 15-minute increments (Default = 6:30 AM)
	Bright Level	*Bright* (Default) *Dim* *Dimmer*
	Dim Time (Displays if Time Setting = On)	*5:00 PM* to *8:00 PM* in 15-minute increments (Default = 6:00 PM)
	Dim Level	*Bright* *Dim* (Default) *Dimmer* *Dark* *Off*
Backlight (Expert Mode)	Turn the keypad backlight on or off.	*On* (Default) *Off*

MENU ITEM	FUNCTION	SETTINGS
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)
Q-Ride MRCD/T (GPS on) (Expert Mode)	This menu displays only if MRCD mode is set to On.	*On* (Default) *Off*
Q-Ride Beep Vol. (GPS on)	Set how loud the beep sounds when Q-Ride alert sounds.	*0 ~ 8* (Default = 1)
LimitSpeed (GPS on)	Set an alarm to sound if you go faster than this selected speed.	50 - 100 mph in 5 mph increments (80 - 160 km/h in 10 km/h increments) *Off* (Default)
GMT (GPS on) (Expert Mode)	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) (Expert Mode)	Daylight Saving Time	*On* *Off* (Default)
BAT Warning (Expert Mode)	Sounds a warning tone if the vehicle battery power drops below 11V.	*On* *Off* (Default)

MENU ITEM	FUNCTION	SETTINGS
BAT Saver (GPS on) (Expert Mode)	Turns off power to the R9 if the speed stays at 0 or if the GPS is not connected for more than an hour.	*On* *Off* (Default)
Self Test (Expert Mode)	Runs a self diagnostic test on the unit to check for faults.	*On* (Default) *Off*
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.
Delete All Auto? (GPS on)	Delete all saved Auto Mute Memory points. ***There is no confirmation request to delete all Auto Mute Memory points.***	Press ***MENU*** to delete all saved Auto Mute Memory points.
Delete All User? (GPS on)	Delete all user-selected memory points.	Press ***MENU*** to delete.
Memory Quota (GPS on) (Expert Mode)	Allocate a total of 2000 memory points between Mute Memory and User Marks. See page 37 for information on allocating memory and page 41 for memory point details.	Mute Memory: 1000 User Marks: 1000
Bluetooth	Turn on to allow Bluetooth.	*On* *Off* (Default)

MENU ITEM	FUNCTION	SETTINGS
Bluetooth Pairing (Bluetooth = On)	Select this menu option to begin pairing. The next screen displays *BT Pairing*.	NA
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	Be sure the unit is connected to power and then press ***PWR***. 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 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 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.

HOW DO I ...?	TRY THIS...
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, Auto,* and *Advanced*. After you select *Highway, City*, or *Auto*, press and hold ***MENU*** to exit. If you select *Advanced*, press **VOL +** to select X, K, or Ka band to adjust attenuation. 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 announces "User mark logged." The R9 will announce when you approach user marks. ***NOTE: R9 stores 2000 points divided between Mute Memory and User Mark locations.***
Delete a user mark	Press ***MARK*** again at that location to delete the user mark. ***NOTE: R9 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 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 37 for details.
Update the firmware and database	1. Save the Update file to the USB drive. 2. Insert USB drive into the Controller. Press **MENU** to enter download mode. 3. R9 will automatically update. Refer to www.uniden.info/download for details.

FEATURE DETAILS

ALARM PRIORITIES

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

- MRCD Alarm

- Gatso RT3

- Gatso RT4

- X, K, Ka band signal

- User Limit Speed Alarm

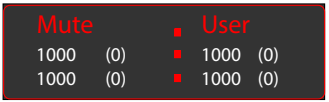
- Vehicle Low Battery Voltage Warning, Vehicle Battery Saver Alarm

ALLOCATING MEMORY

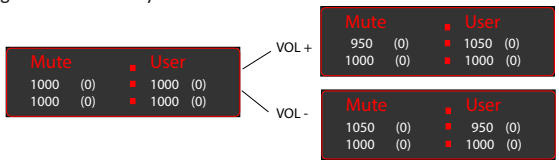
The R9 allows 2000 memory points to be shared between Mute Memory points and User marks. The default allocation is 1000 points each; the most one category can have is 1750 with the other category having a maximum of 250 at the same time. Change this allocation through the *Memory Quota* menu.

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 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.	

AUTO DIM

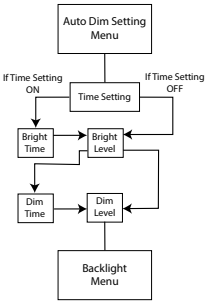
The Auto Dim feature only displays in the menus if you select *Auto* through the Auto Dim setting through the keypad (see page 12).

The R9 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

Auto Dim lets you set the display's brightness level according to a time frame you set. Brighter levels are usually set for daylight hours and dimmer levels for nighttime hours.

1. Press ***MENU***, then press ***VOL +*** or ***VOL –*** to scroll through the menu options until *Auto Dim Setting* displays.
2. Press ***MENU*** to access Mode options. You can set specific bright/dim hours, bright/dim levels or to Sensor (you can only set bright and dim levels).
3. If the mode is set to TIME, press ***VOL +***; *Bright Time* displays. Set the time period where the bright setting is active. (05:30 AM to 07:30 AM; Default = 06:30 AM)
4. Dim level options (Dim level box in the illustration). Press ***MENU*** to scroll between *Bright*, *Dim*, *Dimmer*, *Dark*, and *Off*.
5. Press ***VOL +*** to access the next menu item
6. The OLED will change to these preset levels according to outside light levels.



AUTO MUTE MEMORY

Auto Mute Memory recognizes locations where the signals are detected and, if those signals are detected 3 times at that location within an 8 hour period, automatically saves that signal and mutes it when that specific signal is detected again.

The Auto Mute Memory Alarm Ranges are:

- Entering Range: Approx 200m
- Leaving Range: Approx 250m

When you pass a location that has been saved as an Auto Mute location, *Auto Mute Memory* displays on the OLED but the voice and beep sounds are silent.

Auto Mute

When the R9 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 30) and then adjust the volume in the *Auto Mute Volume* menu (see page 30).

NOTE: If the current volume level is 0, the R9 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.

NOTE: Auto Mute does not apply to Laser Alert.

BLOCK BLIND SPOT MONITOR SYSTEMS

Some vehicles come equipped with Blind Spot Monitors (BSM). These systems send out limited range K signals that alert the driver to other vehicles that come within that range. Your R9 can pick up those signals and keep alerting you to them. You can block those signals by turning K Block Filter on in the menus (long-term solution).

LASER JAMMER MODE

Laser Jammer mode provides different levels of jamming while detecting (receiving) laser signals.

Laser Jammer mode displays in the Menu only if Laser on/off mode is set to on.

- Constant Mode. R9 provides constant jamming while still receiving laser signals.
- Pulse Mode. R9 provides intermittant jamming while still receiving laser signals.
- Receive Mode. R9 alerts to laser signals but does not jam them.

If R9 detects laser signals while in Constant or Pulse mode, press **PWR** or any key to cancel those modes and change to Receive mode. Receive mode remains active for the duration set in the PWR BTN RX menu (page 21). When Receive mode is active, the keys return to their normal function untilthe R9 alerts again.

LASER TRANSPONDER SETTING

Set the Laser Transponders through Menus when Laser mode is On. A total of 6 transponders can be connected and used at the same time. RX (Receiver)/TX (Transmitter) and mounting position (Front/Rear) can be changed through the menus. Each transponder can be set to RX or TX and set to Front or Rear in any combination. Transponders can also be turned off when not in use. Default settings are:

- TP1: Front/RX
- TP2: Front/TX
- TP3: Front/RX
- TP4: Rear/RX
- TP5: Rear TX
- TP6: Rear RX

These TX/RX settings are necessary to detect and jam Dragon Eye laser guns only and do not affect other types of laser guns.

MRCD QUIET RIDE

This function mutes the MRCD alarms. MRCD flashes and the frequency displays.

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. Highway, City, Auto, or Advanced display.

MUTE MEMORY

Use Mute Memory to mute known areas of false alarms (such as department store automatic doors). The R9 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 alerts to that different frequency.

When Mute Memory activates, the displayed band, frequency, and signal strength are grayed out and *Auto mem* displays. Voice and beep sounds are also silent.

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.

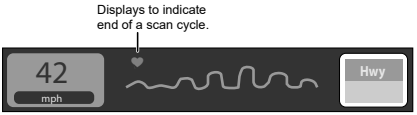
NOTE: R9 stores 2000 points divided between Mute Memory and User Mark locations.

To delete Mute Memory points, press ***MUTE/DIM*** while *Mute Memory* displays. Press the **VOL+** key to select which mute direction should be deleted: *Del Front Mute?*, *Del Rear Mute?*, or *Del Both Mute?* When you have selected a direction to delete, press **MUTE/DIM** to select. Press ***MUTE/DIM*** again to confirm. You can also delete Mute Memory points from *Menus/Delete All Mute*.

OLED DISPLAYS

Scan Display

R9 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). *Hwy*, *City*, *Auto*, or *Adv* display 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. *Hwy*, *City*, *Auto*, or *Adv* display on the right side.

NOTE: This function does not work if GPS is off.

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.

POP MODE

In POP mode, the R9 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.

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 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 keypad again. *Delete Completed* displays.

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 18).

SENSITIVITY MODES

Uniden's R9 radar detector operates in three different frequency (X, K, and Ka band) and four sensitivity modes - Highway, City, Auto, and Advanced. 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. Auto changes the mode between City and Highway depending on the range entered in the Auto City Speed menu setting speed and the actual driving speed. Advanced sensitivity includes user-defined sensitivity levels for X, Ka, and K bands.

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.
- Auto: Automatically switches modes between City and Highway depending on vehical speed compared to the Auto City Speed menu setting. If the vehicle speed is over the setting, Auto mode switches to Highway; if it is below the setting, Auto mode switches to City.

NOTE: If GPS is not connected, Auto mode switches to Highway.

- Advanced: Manually adjust the sensitivity level for each band.

Adjust the sensitivility levels of each band as follows:

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
60	– 4.5 dB
50	– 6 dB
40	– 8 dB
30	– 10.5 dB

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.

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

SIGNAL DIRECTION

The R9 screen provides indicators of which direction a signal is coming from. These indicators, located on the right side of the display unit, are up and down arrows and a square between them. The UP arrow displays in RED when the signal comes from the front. The square displays in RED when the signal comes from the side. The DOWN arrow displayes in BLUE when the signal comes from the rear. Refer to the graphic on page 13 for the indicator locations.

THREATS

The R9 detects up to 8 radar band signals (threats) at a single time (up to 4 from the front and 4 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 3 threats from the front and 3 threats from the rear.

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

USER K BLOCK FILTER

The user can set a K Band frequency range that will automatically be blocked using the menu on page 23. Default values for both upper and lower ranges are both 23.900.

1. The *Status* field highlights. Press **MENU** to scroll through the following options:
   - Weak
   - Max

- Mute
- Lv 0.5 – to 5.0 in .5 increments
- Off

2. Select a menu option and press **VOL+**. The ↑↓ direction arrows are highlighted.
3. Press **MENU** to cycle the direction arrow setting between: ↑, ↓, and ↑↓. Press **VOL+** to accept.
4. The next digit in the first frequency range highlights. Use **MENU** to increase or decrease that digit and then press **VOL+** to move to the next digit. Press **MENU** again after the first frequency range is adjusted and the first editable digit in the second range highlights. Repeat this step until both ranges are complete.
5. Press **VOL+**to display the new settings. Press **VOL+** again to move to the next menu item. Press **MENU** and repeat these steps beginning at Step 1.

USER MARKS (LASER AND RADAR SITES)

With the R9, 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 announces “User mark logged.” Now, when you approach these points, the R9 announces “User mark ahead.”

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

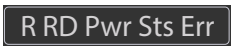
The R9 allows 2000 memory points to be shared between Mute Memory points and User marks. The default allocation is 1000 points each; however, the most one category can have is 1750 with the other category having a maximum of 250 at the same time.

USER SPEED LIMIT

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

ERROR MESSAGES

The R9 provides disconnection and power error messages.

DISCONNECT/ERROR MESSAGE	MEANING
Laser Interface Disconnected 	Displays if the Controller does not communicate with the Laser interface for a specific time frame.
Front Remote Radar Disconnected 	Displays if the Controller does not communicate with the front Remote Radar for a specific time frame.
Rear Remote Radar Disconnected 	Displays if the Controller does not communicate with the rear Remote Radar for a specific time frame.
Laser Interface Power State Error 	Displays if the laser interface voltage is out of range.
Front Remote Radar Power State Error 	Displays if the front remote radar voltage is out of range.
Rear Remote Radar Power State Error 	Displays if the rear remote radar voltage is out of range.
GPS Power State Error 	Displays if the GPS voltage is out of range.

MAINTENANCE

MAINTAINING THE EQUIPMENT

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

UPDATE FIRMWARE/DATABASE

Uniden recommends that you update your R9 firmware and database periodically. Go to www.uniden.info/download, find your model, and check if you have the latest firmware. For the R9, load the new update onto the included USB stick. Insert the USB stick into the Controller and restart the system.

NOTE: You may turn off your vehicle to update the firmware but it is not necessary.

1. Check your current R9 firmware version (*Menu/SW Version*).
2. Check online for updated firmware (www.uniden.info/download).
3. If your R9 needs to be updated to the latest firmware, follow the online instructions and copy the new firmware onto a USB drive.

UPDATE FIRMWARE WITH R9 POWERED ON

1. Connect the USB drive to the Controller.
2. Press **MENU** to enter Download mode and the firmware update starts automatically.
3. When the download is complete, disconnect the USB drive from the Controller to reboot the R9 unit.

UPDATE FIRMWARE WITH R9 POWERED OFF

1. Connect the USB drive to the Controller.
2. Turn on the R9.
3. The firmware update starts automatically.
4. When the download is complete, disconnect the USB drive from the Controller to reboot the R9 unit.

NOTE 1: Only use the R9 USB drive included in your kit. This USB drive contains all documentation needed for installing and operating the R9.

NOTE 2: If the USB drive gets lost or damaged and does not work anymore, you must use a USB drive that has been formtted to FAT32 and has a maximum 32GB capacity. However, the R9 might not recognize some USB drives.

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.
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 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 audible alerts become softer after the first few alerts	R9 is in Auto Mute mode. See page 30.
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 from an authorized Uniden dealer, reseller or installer is required for warranty service.

WARRANTOR: UNIDEN AMERICA CORP. ("UNIDEN").

LIMITED WARRANTY: Uniden warrants, for one year, to the original retail owner, this Uniden Product to be free from defects in materials and craftsmanship, subject to the limitations and/or exclusions set forth herein. This warranty shall terminate 12 months after the date of the original retail sale.

LIMITATIONS AND EXCLUSIONS: This warranty applies only to purchases made from an authorized Uniden dealer, reseller or installer by the original retail purchaser of to the recipient of the product as a gift from the original retail purchaser. Proof of purchase or gift receipt is required. This warranty is invalid and/or shall be void if the Product has been (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 for a defect of malfunction covered by this warranty by someone other than an authorized Uniden service center, (E) used in 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 Installation Guide or Owner's Manual included for this Product. The Warranty does not apply to Products purchased from non-authorized dealers, resellers, or installers, including, but not limited to, online auction websites or other similar platforms.

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 without charge for parts, service, or any other cost (except shipping and handling, if applicable) incurred by warrantor or its representatives in connection with the performance of this warranty.

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PROCEDURE FOR OBTAINING PERFORMANCE OF WARRANTY: If, after following the instructions in the Installation Guide and Owner's Manual, you are certain that the Product is defective, please contact (i) the authorized Uniden installer who installed your product, or (ii) Customer Support at 1-800-297-1023, Monday through Friday 8am to 5pm, or email custsupport@uniden.com. Please be ready to provide evidence of original gift receipt and information describing the defect you believe exists.

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