Uniden®

R7
LONG RANGE Radar/Laser Detector

User's Manual

CUSTOMER CARE

At Uniden®, we care about you!

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

Save your receipt/proof of purchase for warranty.

Quickly find answers to your questions by:

• 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

R7 OVERVIEW

Uniden's R7 is a top of the line Radar Detector with a built-in GPS feature. With the R7, 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. You can mark these points so the detector will announce "User mark ahead" when you approach them. Among other announcements, the Voice Notification feature lets you know when you are approaching a radar and what type of radar it is (red light, speed, etc).

Voice notifications repeat after 30 seconds.

FEATURES

- Super Long Range Laser Radar Detection
- MRCD/MRCT [Alert priority: MRCD, GPS alarms, Laser, Radar (Ka, K, X) with customizable tones]
- Dual Antennas display Laser direction
- Voice Notifications
- Radar band frequency displays
- GPS for Red Light and Speed camera locations
- Up to 2,000 GPS lockouts
- Easy to read OLED display
- User Mark set with voice notification
- Advanced K and Ka band filters
- Spectre I and IV undetectable
- Displays Signal Strength and Vehicle Battery Voltage
- Max. Speed Warning System
- Red light camera point delete
- X, K, MRCD, Ka, and Laser band selectable alert tones
- Bogey tone (Alert tones 1 - 5)
- X, K, and Ka band user-defined sensitivity levels
- Auto mute volume levels (Off, On: 0 - 7)
- Ka Frequency Voice Alert

- Auto Dim
- Overspeed Alert Mute

WHAT'S IN THE BOX

R7 Radar Detector	12V DC Power Cord with RJ11 Connector	Windshield Mounting Bracket (1 Suction Cup)	Windshield Mounting Bracket (2 Suction Cups)
Neoprene Sleeve	Carrying Case		
Not Shown: USB Cable Hook and Loop Tape Owner's Manuals (English, French, and Spanish)			

PARTS OF THE R7

Eagle Eye
Power Jack
USB
Latch Slot
Latch Release
POWER
VOL +
VOL −
MENU
Audio Jack
MARK
MUTE
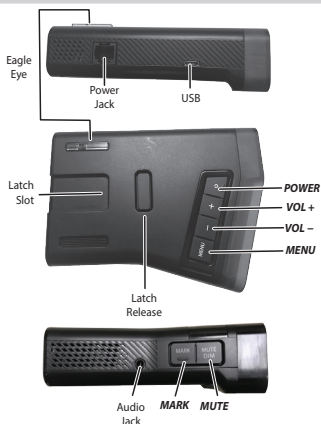
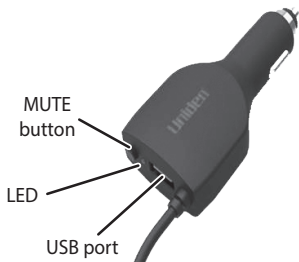| KEY	PRESS TO...	PRESS AND HOLD TO ...
POWER	Turn R7 on and off.	NA
+	Turn volume up (7 levels: 0 - 6; Default = 4). In Menus, go to next item.	Quickly turn volume up or down.
−	Turn volume down (7 levels: 0 - 6; Default = 4). In Menus, go to previous item.	
MENU	Access the Menu system. In Menus, press to cycle through options for the current menu item.	When in Menu mode, exit the Menu system. When NOT in Menu mode, changes modes between Highway, City, and Advanced.

KEY	PRESS TO...	PRESS AND HOLD TO ...
MUTE/ DIM	MUTE MUTE on - Press *MUTE/DIM* to mute an alarm. Returns to normal operation 10 seconds after the alert ends or if a different band is detected during Mute mode. *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. Mute Memory displays on the screen. *R7 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 20). Bright Dim Dimmer Dark (Dark is off unless there is alert.) Off (Off regardless of whether or not there is an alert.)
	Delete Mute Memory - Press *MUTE/ DIM* while *Mute Memory* displays; the R7 displays a delete confirmation message. Press *MUTE/DIM* again to confirm. MUTE RED LIGHT CAMERA VOICE ALERT 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 R7 alerts you to an overspeed or speed limit situation (an alarm sounds and the alert displays), you can press *MUTE/ DIM* to silence that alarm. *If Overspeed Alert and Radar Alert alarms are detected at the same time, R7 alternates between these two alarms.*	DURING RED LIGHT CAMERA ALERT Press and hold *MUTE/ DIM* to delete the red light camera point. RED LIGHT CAMERA POINT DELETE When R7 alerts you to a red light camera (the alert displays), you can press and hold *MUTE/DIM* to delete that camera point. After confirming this eletion, R7 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 R7 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.

NON-KEY ELEMENTS

ELEMENT	WHAT IS DOES
Eagle Eye	Provides a 360° monitoring radius.
Latch Slot	Insert the bracket latch into this slot.
Micro USB	Provides PC connection for data updates.
Audio Jack	Plug in headset.
Eject	Press to release the bracket latch.
Power Jack	Plug the 12V Power Cord here.
Signal Strength	Displays received signal strength (8 levels).

POWER CORD

MUTE button

LED

USB port

ELEMENT	WHAT IT DOES...
MUTE button (Although not labeled, press and hold ***MUTE*** to access ***DIM*** functions***)***	• Press the ***MUTE*** button to mute an alarm. Returns to normal operation 10 seconds after the alert ends or if a different band is detected during Mute mode. *Mute On* displays on the R7 for a few seconds.
	• Save a Mute location (Mute Memory) - press the ***MUTE*** button again while *Mute On* displays on the R7 to save that GPS location and frequency to memory. *Mute Memory* displays on the screen.
	R7 stores 2000 points divided between Mute Memory and User Mark locations.
	• Delete Mute Memory - Press the MUTE button while *Mute Memory* displays on the R7; the R7 displays a delete confirmation message. Press the MUTE button again to confirm.
	• Red Light Camera Point Alert Mute/Delete - When R7 alerts you to a red light camera (the alert displays), you can press MUTE to mute or delete (press and hold) that camera point. After confirming this deletion, R7 will not give an alert for that camera.
	• Mute Overspeed Alarms - When R7 alerts you to an overspeed or speed limit situation (an alarm sounds and the alert displays), you can press ***MUTE*** to silence that alarm
	• Press and hold the ***MUTE*** button to change the OLED display brightness.
	DIM function. Press and hold for DIM options to display on the OLED. Press the button again to scroll through and select one of the following options:
	• Auto (Default; see page 20 to set OLED brightness levels.)
	• Bright
	• Dim
	• Dimmer
	• Dark (Dark is off unless there is alert.)
	• Off (Off regardless of whether or not there is an alert.)
	Dim level cannot be changed during a Red Light Camera alert.
LED (Red)	• Off: Power is off.
	• Steady on: Power is on.
	• Flashing: Receiving an alert. The faster it flashes, the stronger the signal.
USB Port	Use this USB port to charge mobile devices.

OLED DISPLAY
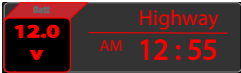
The OLED display on the front of the unit changes depending on what events are happening.

> ***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 bars
Frequency Found 	Information displayed: • Band type Type (X, K, KA) • Frequency number • Band direction • Compass direction • Frequency strength bars
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

OLED EXAMPLES	MEANING
Time Display	Information displayed: • Voltage • Time and AM/PM • Highway/City/Advanced
Quiet Ride	Information displayed: • Current speed in mph/km/h • Signal strength indicators (single indicator shown) • Status Area (Q-Ride displays)
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.

INSTALL AND TURN ON R7

You can mount the R7 on the windshield (1- and 2-cup suction brackets included) or on the dashboard (hook and loop tape included).

INSTALL/POWER ON

Windshield

When you mount the R7 on the windshield, mount it in the middle of the windshield between the driver and passenger. Be sure there are no obstructions and that there is a clear view through the windshield.

1. Attach the rubber suction cups to the bracket and push the cups firmly onto the windshield.
2. Slide the unit onto the bracket until it clicks into place.
3. Plug the power cord RJ11 connector into the R7 and plug the cigarette lighter adapter into the vehicle's cigarette lighter.
4. When the vehicle turns on, the R7 automatically turns on and runs through a self test cycle.

Release the R7 *from the bracket by pressing the Eject key on top of the detector.*

Dashboard

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

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

   Be careful not to cover any air vent holes with the hook and fastener tape.

2. Plug the power cord RJ11 connector into the R7 and plug the cigarette lighter adapter into the vehicle's cigarette lighter.

3. When the vehicle turns on, the R7 automatically turns on and runs through a self test cycle.

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

MENU SYSTEM

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

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

Use the following keys to navigate the menus:

- *MENU*: Change a menu item setting (press and hold to exit the Menu system).
- *+* : Go to the next Menu item.
- *–* : 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
Menu	Select Basic or Expert menu setup. See page _____ for details.	*Basic* (Default) *Expert*

MENU ITEM	FUNCTION	SETTINGS
Selected Mode displays.	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. If Advanced is selected, select Attenuation levels for the X, K, and Ka bands. See page 26 for details.	*Highway* (Default) *City* ***If Highway or City are selected, the next setting is Rear Balance.*** *Advanced* ***If Advanced is selected, the next setting is Attenuation followed by Rear Balance.***
Rear Balance (If Highway or City selected for Mode, or after Attenuation if Advanced selected for Mode.)	Adjust X, K, and Ka band sensitivity in the rear camera based on the bands' current sensitivity settings in Highway or City modes. Example: If K-Band sensitivity is set to 50% in Advanced mode and 50% in Rear Balance mode, the rear antenna's K band sensitivity will be 50% of the K band front antenna.	*100% - 30%* in 10% increments
Attenuation (If Advanced selected for Mode)	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)

MENU ITEM	FUNCTION	SETTINGS
GPS	Determines your geographic location. If GPS is turned on, other GPS-related menu items display.	*On* (Default) *Off*
Speed Camera (GPS on)	Notifies you if any speed cameras are nearby.	*On* (Default) *Off*
Redlight Cam (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 alerts • Band alarms	*On* (Default) *Off*
Ka Frequency Voice	Announces the detected Ka band frequency.	*On* *Off* (Default)
X Band	Turn off to have the detector ignore X band frequencies. Turn on for X band sensitivity as follows: Highway: Full sensitivity City: X band sensitivity reduced	*On* *Off* (Default)
K Band	Turn off to have the detector ignore K band frequencies.	*On* (Default) *Off*
Ka Band	Turn off to have the detector ignore Ka band frequencies.	*On* (Default) *Off*
Laser	Turn off to have the detector ignore lasers.	*On* (Default) *Off*
K POP	Detects K POP transmissions (very brief transmissions, too fast for some detectors to hear).	*On* *Off* (Default)

MENU ITEM	FUNCTION	SETTINGS
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)
TSF	Traffic Sensor Filter. Prevents false alarms caused by traffic monitoring radar systems.	*On* *Off* (Default)
K Block	24.1990 +/- .005	*On* *Off* (Default)
K Narrow/Wide	K Narrow scans for K radar guns used in the US only and reduces false alarms.	*K Narrow* *K Wide* (Default)

MENU ITEM	FUNCTION	SETTINGS
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	Select bands to be muted.	X & K (Default) X, K, Ka
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 as secondary alerts (see page 29). The secondary Band and Arrow on the All Threat display are the same colors as set in Menus.	*All Threat On* *All Threat Off* (Default)

MENU ITEM	FUNCTION	SETTINGS
Color	Select screen text color.	Red (Default) White Violet Blue Amber Green Pink Grey
Arrow Color	Set the arrow color for each radar band. • X • K • MRCD • Ka	Red (Default) Blue Green Orange Yellow White Violet
Band Color	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
Display (GPS on)	Select what will display on the OLED, either scanning for frequencies (see page 27), the mode (see page 27), or the time (see page 28).	*Scan* *Mode* (Default) *Time* (GPS on)
Mode Display (GPS off)	Select what will display on the OLED, either scanning for frequencies (see page 27) or the mode (see page 27).	*Scan* *Mode* (Default)

MENU ITEM	FUNCTION	SETTINGS
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*) ***Altitude display depends on speed unit selection (see page 28).***
Alert Display	Select one of two OLED display formats (see page 27).	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)
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 - 7* (Default = 2) *Off*

MENU ITEM	FUNCTION	SETTINGS
Dark Mode Brightness Setting	Set Alert brightness.	*Dimmer* (Default) *Bright* *Dim*
Auto Dim Setting [Displays if Dim set to Auto (see page 10)]	See page 23 for details.	Bright Brightness - Select Bright, Dim, or Dimmer. Dim level - Select Bright, Dim, Dimmer, Dark, or 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)
BAT Warning	Sounds a warning tone if the vehicle battery power drops below 11V.	*On* *Off* (Default)

MENU ITEM	FUNCTION	SETTINGS
BAT Saver (GPS on)	Turns off power to the R7 if the speed stays at 0 or if the GPS is not connected for more than an hour.	*On* *Off* (Default)
Self Test	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 Users? (GPS on)	Delete all user-selected memory points.	Press *MENU* to delete.
Memory Quota	Allocate a total of 2000 memory points between Mute Memory and User Marks.	Mute Memory: 1000/User Marks: 1000 (Default)
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 R7	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 R7 turns on automatically when you start the vehicle.

HOW DO I ...?	TRY THIS...
Adjust the volume	Press **+** to increase volume. The unit beeps and displays a number increase. Press **–** 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. (This is especially useful in situations where the alert may be prolonged, such as at red lights.) You can also press the **MUTE** button on the power cord.
Change the screen's brightness	Press and hold **MUTE/DIM**. The unit displays the current brightness level. Press **MUTE/DIM** again. The R7 announces the brightness level (Bright, Dim, Dimmer, Dark, or Off) as it changes to that level.
Turn bands on and off	Press **MENU** then **+** 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 **+** to select either the K or Ka band to adjust. Press **MENU** to adjust sensitivity levels in 10% increments. Press **+** 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 R7 announces "User mark logged." The R7 will announce when you approach user marks. ***R7 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. ***R7 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 R7 does NOT ask for confirmation before deleting single user marks.

HOW DO I ...?	TRY THIS...
Allocate dynamic memory points between Mute Memory and User Marks	Press **MENU** and **+** to scroll to the *Memory Quota*; menu. Press **MENU** to select it and press **-** and **+** to change the allocation in 50 point increments. See page 24 for details.
Update the firmware and database	Refer to www.uniden.info/download for details.

FEATURE DETAILS

AUTO DIM

The Auto Dim feature only displays in the menus if you select *Auto* using the R7 unit's **MUTE/DIM** button or the power cord's **MUTE** button.

The R7 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.

Set DIM to Auto from the R7/Power Cord

1. Press and hold the **MUTE/DIM** button on the R7 device or the **MUTE** button on the power cord. The current DIM level displays on the OLED.
2. Press the **MUTE/DIM** button on the R7 device or the **MUTE** button on the power cord to change DIM levels until *AUTO* displays. The R7 device displays and, if volume is turned on, announces the current feature setting.

Configure Auto Dim from MENU

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

ALLOCATING MEMORY

The R7 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; for example, the user has used 100 Mute Memory points out of 250.	

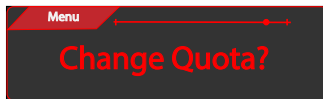|	
2. Use the **+** and **-** keys to increase or decrease the category with the highest allotment by 50 units. Using the examples to the right, you start with User Mark at the maximum, 1750, so pressing **+** doesn't affect the allotments. Pressing **-** will subtract 50 from User Mark and add 50 to Mute Memory.	**Menu** Mute mem ■ User Mark 300 (100) ■ 1700 (200) 250 (100) 1750 (200) Press **-** again for the following result: **Menu** Mute mem ■ User Mark 350 (100) ■ 1650 (200) 250 (100) 1750 (200)
3. Press **MENU** to save that change. *Change Quota?* displays.	**Menu** Change Quota?
4. Press **MENU** again to accept changes to the Memory Quota. A confirmation message displays before returning to the status screen.	**Menu** Quota Completed
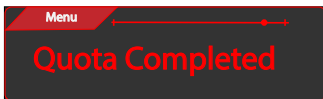
USER MARKS (LASER AND RADAR SITES)

With the R7, 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 R7 announces "User mark logged." Now, when you approach these points, the R7 announces "User mark ahead."

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

The R7 registers up to 2000 user marks. It allocates 1000 marks each for User Marks and Mute Memory locations.

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 R7 will not alert at that red light camera location again.

To delete the RLC Point, press **MUTE/DIM** on the unit or **MUTE** on the power cord while the alert displays.

A confirmation message displays. Press **MUTE/DIM** on the unit again or **MUTE** again on the power cord. *Delete Completed* displays.

HIGHWAY VS CITY MODE

Uniden's R7 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 **+** 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	– 10.5dB

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

REAR BALANCE

This feature lets you adjust the X, K, and Ka band rear radar sensitivity from 100% to 30% in Highway, City, and Advanced modes. If you set rear balance to 50%, the rear radar's sensitivity will be half of what the front radar's sensitivity is. If the front radar is set to 100%, rear radar will be 50% (half of 100%).
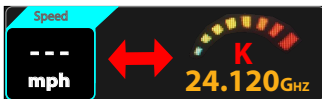
POP MODE

In POP mode, the R7 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.

ALERT DISPLAY OPTIONS

The R7 has 2 different display options for alerts, selectable in the Menus.

Alert Display #1   Alert Display #2

*If the frequency is muted, the signal strength display is gray.*

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.
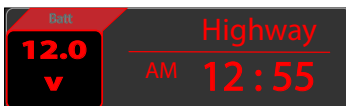

SCAN DISPLAY

The OLED uses an 8 segment light to indicate scanning is in progress. The lights move from left to right and back again from right to left. Select SCAN display through the *Display Mode* menu.
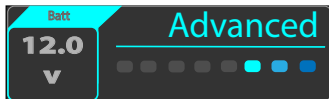
TIME DISPLAY

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 KMph is selected, the altitude displays in meters (*m*).

Speed Unit - mph

Speed Unit - KMph

ALARM PRIORITIES

• MRCD Alarm

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

- Radar (Ka, K, X band signal)

THREATS

The R7 detects up to 4 radar band signals (threats) at a single time. The strongest rader signal is designated as the Priority signal, and its frequency displays on the OLED. The other signals (threats) are indicated in the left side of the display. In the following example, 2 K band, 1 X band, and 1 Ka band frequencies are detected. The multicolor rectangle on the left side indicates signal strength.

The Priority menu setting determines which type of frequency displays on the OLED (see page 12). If Priority is set to Signal priority, the strongest signal displays on the OLED. If Priority is set to Ka Priority, the Ka band radar signal displays on the OLED.

If the strongest signal is muted, it displays in grey on the left side and the next strongest signal displays in the main part of the display.

If only one signal is detected, the R7 display flashes between the signal detection screen (see previous screen example) and the default information (speed, compass, etc.). If more than one signal is detected, the R7 display stays on the signal detection screen.

MUTE MEMORY

Use Mute Memory to mute known areas of false alarms (such as department store automatic doors). The R7 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 R7 alerts to that different frequency.

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

R7 stores 2000 points divided between Mute Memory and User Mark locations.

To delete Mute Memory points, press *MUTE/DIM* or the *MUTE* button on the power cord while *Mute Memory* displays. The R7 displays a delete confirmation message; press *MUTE/DIM* or the *MUTE* button on the power cord again to confirm. You can also delete Mute Memory points from *Menus/Delete All Mute?*

AUTO MUTE/AUTO MUTE VOLUME

When the R7 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 19). This will reduce the volume to the level set (0 - 7) in the *Auto Mute Volume* menu (see page 19).

Regardless of how high Auto Mute may be set, it will never be at a higher level than the actual volume level. For example, if the volume is set to level 5 and Auto Mute Volume is set to level 7, Auto Mute will keep the volume at level 5, the same as the actual volume level.

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 menus, the R7 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 when you drive under a speed limit set in this menu (up to 90 mph/140 km/h). If X or K band signals are detected, the unit beeps once in volume level one and then goes to volume level zero. Q-Ride flashes in green on the OLED.

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 15.)

MAINTENANCE

MAINTAINING THE EQUIPMENT

The R7 requires very little physical maintenance. Wipe it with a soft cloth to keep dust from accumulating. Check the power cord connections to keep them clean and free of corrosion.

UPDATING THE FIRMWARE/DATABASE

Uniden recommends that you update your R7 firmware and database periodically. Go to www.uniden.info/download, find your model, and check if you have the latest firmware.

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 R7 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.
The vehicle starts but the R7 does not turn on.	Verify that the power cord is securely connected to the unit and inserted into the cigarette lighter jack.

SPECIFICATIONS

Receiver Type:		Antenna Type:	
Radar	Double Conversion Super-heterodyne Self-Contained Antenna	Radar	Linear Polarized E-vector Vertical
Laser	Pulsed Laser Signal Receiver	Laser Front Back	Convex Condenser Lens Concave Condenser Lens
Frequency:			
X	10.525 GHz	Dimensions	110.00 mm (D) x 69.00 mm (W) x 29.50 mm (H)

K	24.150 GHz	Weight	4.9 oz (140 g)
Ka	33.400 - 35.700 GHz	Operating Temp.	32° to +158° F (Radar/Laser) -10° to +70° C (Radar/Laser)
Laser	800 nm - 1,100 nm	Storage Temp.	-22° to +203° F (Radar/Laser) -30° to +95° C (Radar/Laser)
Detector Type:		Operating Power Source	DC 11.0 to 16.0 V
Radar	Scanning Frequency Discriminator	USB Interface	USB Specification 2.0/1.1
Laser	Pulse Width Discriminator		
Alarm Type	Voice and Beep (Detected Band and Signal strength)		

FCC/IC COMPLIANCE

AMWUA1901

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: This warranty to the original user shall terminate and be of no further effect 12 months after the date of original retail sale. The warranty is invalid if the Product is (A) damaged or not maintained as reasonable or necessary, (B) modified, altered, or used as part of any conversion kits, subassemblies, or any configurations not sold by Uniden, (C) improperly installed, (D) serviced or repaired by someone other than an authorized Uniden service center for a defect or malfunction covered by this warranty, (E) used in any conjunction with equipment or parts or as part of any system not manufactured by Uniden, or (F) installed or programmed by anyone other than as detailed by the Operating Guide for this product.

STATEMENT OF REMEDY: In the event that the product does not conform to this warranty at any time while this warranty is in effect, warrantor will repair the defect and return it to you without charge for parts, service, or any other cost (except shipping and handling) incurred by warrantor or its representatives in connection with the performance of this warranty. THE LIMITED WARRANTY SET FORTH ABOVE IS THE SOLE AND ENTIRE WARRANTY PERTAINING TO THE PRODUCT AND IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES OF ANY NATURE WHATSOEVER, WHETHER EXPRESS, IMPLIED OR ARISING BY OPERATION OF LAW, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY DOES NOT COVER OR PROVIDE FOR THE REIMBURSEMENT OR PAYMENT OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow this exclusion or limitation of incidental

or consequential damages so the above limitation or exclusion may not apply to you.

LEGAL REMEDIES: This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This warranty is void outside the United States of America.

PROCEDURE FOR OBTAINING PERFORMANCE OF WARRANTY: If, after following the instructions in this Operating Guide, you are certain that the Product is defective, pack the Product carefully (preferably in its original packaging). Include evidence of original purchase and a note describing the defect that has caused you to return it. The Product should be shipped freight prepaid, by traceable means, or delivered, to warrantor at:

Uniden America Corporation
C/O Saddle Creek
743 Henrietta Creek Rd., Suite 100
Roanoke, TX 76262

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