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## R7 Manual

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### Feature

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1. GPS On/Off
2. User Mark Alert
3. Mute Memory
4. POI Alert On/Off
  - 1) Speed Camera Alarm On/Off
  - 2) Red-light Camera Alarm On/Off
5. Red-light Camera Delete
6. Red-light Camera Quiet Ride(Off, 50~85mph: 5mph unit, 80~140km/h : 10km/h unit)
7. X, K, MRCD, Ka Band, Laser Detection
8. Display : 176 x 60 OLED(Full Color)
9. Top Button
  - [MENU] [VOL-] [VOL+] [POWER]
10. Side Button
  - [MARK] [MUTE/DIM]
11. Volume : 0~6 Level
12. Dim Mode : AUTO -> BRIGHT -> DIM -> DIMMER-> DARK -> OFF
13. City Mode : HIGHWAY -> CITY -> ADVANCED
14. Mute On/Off
15. Scan Display
16. Mode Display
17. Time Display
18. Background Color : Blue->Amber->Green->Pink->Gray->Red->White->Purple
19. Arrow color selection: Red->Blue->Green->Orange->Yellow->White->Violet
20. Radar Band color selection: Signal->Arrow->Red->Blue->Green->Orange->Yellow->White->Violet
21. Alert display selection: Alert display #1 <-> #2
22. Speed Display (mph or km/h)
23. Speed + Compass Display
24. Compass Display
25. Voltage Display
26. Altitude Display
27. Speed Unit : mph or km/h
28. Quiet Ride Mode ( Off, 5~90mph : 5mph unit, 10~140km/h : 10km/h unit)
29. User Speed Limit Alarm ( Off, 50~100mph : 5mph unit, 80~160km/h : 10km/h unit)
30. GMT setting( -12 ~ +12hr )
31. DST(Daylight Saving Time ) On/Off
32. POI Alarm
33. Mute Memory Point
34. X, K, MRCD, Ka Band, Laser On/Off
35. Voice On/Off
36. Ka Frequency voice On/Off

37. K POP On/Off
38. Ka POP On/Off
39. K Band Filter On/Off
40. Ka Band Filter On/Off
41. TSF On/Off
42. K Narrow/ Wide
43. Ka Narrow/ Wide /Segmentation
44. Signal Priority / Ka Priority
45. All Threat Display On/Off
46. Selectable Alert Tone : X, K, MRCD, Ka, Ka Bogey tone, Laser
47. Auto Mute (Off, On : 0~5 Level )
48. Dark Mode Bright Setting
49. Auto Dim Setting
50. Low Battery Voltage Warning(On/Off)
51. Vehicle Battery Saver (On/Off)
52. Self Test (On/Off)
53. User Setting memory
54. Factory Reset Mode
55. Mute Memory All Delete
56. User Mark All Delete
57. Software Version Display
58. DB Version Display

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**Alert Display #1 or #2(different signal strength level display)**

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Alert Display #1



Alert Display #2



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**Button operation**

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[POWER]		Power On/Off
[VOL+]		Volume Level Up : 0 -> 6 Level
[VOL-]		Volume Level Down : 6 -> 0 Level
[MENU]	press	Menu Mode
	Press & hold	Highway -> City -> Advanced
[MUTE/DIM]	Press	Mute On <-> Mute Off (Mute radar, laser, Red-light camera & Overspeed alarms) Press button again to save a Mute location(Mute Memory) Delete Mute Memory while Mute Memory displays
	Press & hold	Auto-> Bright -> Dim -> Dimmer -> Dark -> OFF Delete Red-light Camera point by pressing during Red light camera alert
[MARK]	Short press	User Mark registration or deletion
	3 sec press	User Mark All Delete

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## Mute On & Off

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.

## City Mode

	X Band	K Band	Ka Band
Highway	Full	Full	Full
City	Reduced	Reduced	Full
Advanced Mode	User adjusts the sensitivity		

## Menu when GPS on

Mode	Kind of Mode
City Mode	“Highway” -> “City” -> “Advanced”
X Band Attenuation	100~30% (10% unit decrease)
K Band Attenuation	100~30% (10% unit decrease)
Ka Band Attenuation	100~30% (10% unit decrease)
GPS On/Off	“GPS On” <-> “GPS Off”
Speed Camera Alarm On/Off	“Speed Camera On” <-> “Speed Camera Off”
Red Light Camera Alarm On/Off	“Redlight Cam On” <-> “Redlight Cam Off”
RLC Q-Ride	Off, 50~85mph ( 5mph unit ) or 80~140km/h ( 10km/h unit )
Voice On/Off	“Voice On” <-> “Voice Off”
Ka Frequency Voice On/Off	“Ka Freq Voice On” <-> “Ka Freq Voice Off”
X Band On/Off	“X Band On” <-> “X Band Off”
K Band On/Off	“K Band On” <-> “K Band Off”
Ka Band On/Off	“Ka Band On” <-> “Ka Band Off”

Laser On/Off	“Laser On” <-> “Laser Off”
K POP On/Off	“K POP On” <-> “K POP Off”
MRCO On/Off	“MRCO On” <-> “MRCO Off”
Ka POP On/Off	“Ka POP On” <-> “Ka POP Off”
K Band Filter On/Off	“K Filter On” <-> K Filter Off
Ka Band Filter On/Off	“Ka Filter On” <-> Ka Filter Off
TSF On/Off	“TSF On” <-> TSF Off
K Narrow/Wide	“K Narrow” <-> “K Wide”
Ka Narrow/Wide/Segmentation	“Ka Narrow” -> “Ka Wide” -> “Ka Segmentation”
Ka Seg 1	“Ka 1 : 33.399 – 33.705 On”<->“Ka 1 : 33.399 – 33.705 Off”
Ka Seg 2	“Ka 2 : 33.705 – 33.903 On”<->“Ka 2 : 33.705 – 33.903 Off”
Ka Seg 3	“Ka 3 : 33.903 – 34.191 On”<-> Ka 3 : 33.903 – 34.191 Off”
Ka Seg 4	“Ka 4 : 34.191 – 34.587 On”<-> “Ka 4 : 34.191 – 34.587 Off”
Ka Seg 5	“Ka 5 : 34.587 – 34.803 On”<->“Ka 5 : 34.587 – 34.803 Off”
Ka Seg 6	“Ka 6 : 34.803 – 35.163 On”<->“Ka 6 : 34.803 – 35.163 Off”
Ka Seg 7	“Ka 7 : 35.163 – 35.379 On”<->“Ka 7 : 35.163 – 35.379 Off”
Ka Seg 8	“Ka 8 : 35.379 – 35.613 On”<->“Ka 8 : 35.379 – 35.613 Off
Ka Seg 9	“Ka 9 : 35.613 – 35.701 On”<->“Ka 9 : 35.613 – 35.701 Off”
Signal Priority/ Ka Priority	“Signal Priority” <-> “KA Priority”
Mute Mem Band Option Set	“Mute Mem: X & K” <-> “Mute Mem: X K Ka”
All Threat Display On/Off	“All Threat On” <-> “All Threat Off”
Background Color	“Color : Blue”->“Color : Amber”->“Color : Green” ->“Color : Pink”->“Color : Gray”-> “Color : Red” -> “Color : White” -> “Color : Purple”
X Band Color	”Red”->”Blue”->”Green”->”Orange”->”Yellow” ->”White”->”Violet”
K Band Color	”Red”->”Blue”->”Green”->”Orange”->”Yellow” ->”White”->”Violet”
MRCO Color	”Red”->”Blue”->”Green”->”Orange”->”Yellow” ->”White”->”Violet”
Ka Band Color	”Red”->”Blue”->”Green”->”Orange”->”Yellow” ->”White”->”Violet”
<b>Radar Band Color</b>	

X Band Color	“Signal”->“Arrow”->“Red”->“Blue”->“Green”->“Orange”->“Yellow”->“White”->“Violet”
K Band Color	“Signal”->“Arrow”->“Red”->“Blue”->“Green”->“Orange”->“Yellow”->“White”->“Violet”
MRCDC Color	“Signal”->“Arrow”->“Red”->“Blue”->“Green”->“Orange”->“Yellow”->“White”->“Violet”
Ka Band Color	“Signal”->“Arrow”->“Red”->“Blue”->“Green”->“Orange”->“Yellow”->“White”->“Violet”
Display Mode (GPS On)	“Scan Display” -> “Mode Display ” -> “Time Display”
Left Display (GPS On)	“Speed” -> “Spd+Comp” -> “Compass” -> “Voltage” -> “Altitude”
Alert Display Type	“Alert Display #1”<->“Alert Display #2”
Speed Unit	“Speed Unit:mph” <-> “Speed Unit:Km/h”
X Band Tone	“X Band Tone : 1~12”
K Band Tone	“K Band Tone : 1~12”
MRCDC Tone	“MRCDC Tone : 1~12”
Ka Band Tone	“Ka Band Tone : 1~12”
Bogey Tone	“Bogey Tone : 1~5”
Laser Tone	“Laser Tone : 1~12”
Auto Mute On/Off	“Auto Mute On” <-> “Auto Mute Off”
Auto Mute Volume	“Auto Mute Vol : 0~5”
Dark mode Brightness setting	“Dark mode : Bright” -> “Dark mode : Dim” -> “Dark mode : Dimmer”
<b>Auto Dim Setting</b>	
Bright level	Bright->Dim->Dimmer
Dim level	Bright->Dim->Dimmer->Dark->Off
Quiet Ride	Off, 5~90mph (5mph unit) or 10~140km/h (10km/h unit)
Limit Speed	Off, 50~100mph (5mph unit ) or 80~160km/h (10km/h unit )
GMT Mode	“GMT -12 Hour” ~ “GMT +12 Hour”
DST (Daylight Saving Time)	“DST On” <-> “DST Off”
Low Battery Voltage Warning	“BAT Warning On” <-> “BAT Warning Off”
Vehicle Battery Saver	“BAT Saver On” <-> “BAT Saver Off”
Self Test On/Off	“Self Test On” <-> “Self Test Off”
Factory Reset	“Factory Reset? -> Reset Completed”

Mute Memory All Delete	“Delete All Mute?” -> “Delete Completed”
User Mark Point All Delete	“Delete All User?” -> “Delete Completed”
UI Version / DSP Version / GPS Version	Ex. Ver: 101.101.114
DB Version	Ex. “DB Ver: 19/01/04”
MENU Exit	

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**Factory Reset Default**

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Mode	Kind of Mode	Factory Default
Dim Mode	Auto-> Bright -> Dim -> Dimmer-> Dark -> Off	Auto
City Mode	Highway -> City -> Advanced	Highway
X Band Attenuation ( Advanced Mode )	100~30%	100%
K Band Attenuation ( Advanced Mode )	100~30%	100%
Ka Band Attenuation ( Advanced Mode )	100~30%	100%
GPS On/Off	GPS On <-> GPS Off	GPS On
Speed Camera Alarm On/Off	Speed Camera Alarm On <-> Speed Camera Alarm Off	Speed Camera Alarm On
Red Light Camera Alarm On/Off	Red Light Camera Alarm On <-> Red Light Camera Alarm Off	Red Light Camera Alarm On
RLC Q-Ride	Off, 50~85mph ( 5mph unit ) 80~140km/h ( 10km/h unit )	RLC Q-Ride Off
Voice On/Off	Voice On <-> Voice Off	Voice On
Ka Frequency Voice On/Off	Ka Freq Voice On <-> Ka Freq Voice Off	Ka Freq Voice Off
X Band On/Off	X Band On <-> X Band Off	X Band Off
K Band On/Off	K Band On <-> K Band Off	K Band On
Ka Band On/Off	Ka Band On <-> Ka Band Off	Ka Band On
Laser On/Off	Laser On <-> Laser Off	Laser On
K POP On/Off	K POP On <-> K POP Off	K POP Off
MRCD On/Off	MRCD On <-> MRCD Off	MRCD Off
Ka POP On/Off	Ka POP On <-> Ka POP Off	Ka POP Off
K Band Filter On/Off	K Band Filter On <-> K Band Filter Off	K Band Filter On
Ka Band Filter On/Off	Ka Band Filter On <-> Ka Band Filter Off	Ka Band Filter Off

TSF On/Off	TSF On <-> TSF Off	TSF Off
K Narrow/Wide	K Narrow <-> K Wide	K Wide
Ka Narrow/Wide/Segmentation	Ka Narrow-> Ka Wide -> Ka Segmentation	Ka Narrow
Ka Seg 1	Ka 1 : 33.399 – 33.705 On<->Off	On
Ka Seg 2	Ka 2 : 33.705 – 33.903 On<->Off	On
Ka Seg 3	Ka 3 : 33.903 – 34.191 On<->Off	On
Ka Seg 4	Ka 4 : 34.191 – 34.587 On<->Off	On
Ka Seg 5	Ka 5 : 34.587 – 34.803 On<->Off	On
Ka Seg 6	Ka 6 : 34.803 – 35.163 On<->Off	On
Ka Seg 7	Ka 7 : 35.163 – 35.379 On<->Off	On
Ka Seg 8	Ka 8 : 35.379 – 35.613 On<->Off	On
Ka Seg 9	Ka 9 : 35.613 – 35.701 On<->Off	On
Signal Priority/ Ka Priority	Signal Priority <-> Ka Priority	Ka Priority
Mute Mem Band Option	X & K <-> X K Ka	X & K
All Threat Display On/Off	All Threat Display On<-> All Threat Display Off	All Threat Display Off
Background Color	Blue->Amber->Green->Pink->Gray->Red->White->Purple	Red
X Band Color	Red->Blue->Green->Orange->Yellow->White->Violet	Red
K Band Color	Red->Blue->Green->Orange->Yellow->White->Violet	Redl
MRCDC Color	Red->Blue->Green->Orange->Yellow->White->Violet	Red
Ka Band Color	Red->Blue->Green->Orange->Yellow->White->Violet	Red
Band Color		
X Band Color	Signal->Arrow->Red->Blue->Green->Orange->Yellow->White->Violet	Signal
K Band Color	Signal->Arrow->Red->Blue->Green->Orange->Yellow->White->Violet	Signal
MRCDC Color	Signal->Arrow->Red->Blue->Green->Orange->Yellow->White->Violet	Signal
Ka Band Color	Signal->Arrow->Red->Blue->Green->Orange->Yellow->White->Violet	Signal
Display Mode (GPS On)	Scan Display -> Mode Display -> Time Display	Mode Display
Display Mode (GPS Off)	Scan Display<->Mode Display	Mode Display
Left Display (GPS On)	Speed -> Speed+Compass -> Compass-> Voltage ->Altitude	Speed



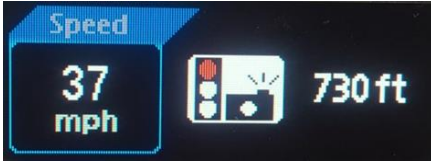
Alert Display Type	Alert Display #1 <-> Alert Display #2	Alert Display #1
Speed Unit	mph <-> Km/h	mph
X Band Tone	X Band Tone : 1~12	X Band Tone : 1
K Band Tone	K Band Tone : 1~12	K Band Tone : 2
MRCB Tone	MRCB Tone : 1~12	MRCB Tone : 2
Ka Band Tone	Ka Band Tone : 1~12	Ka Band Tone : 3
Bogey Tone	Bogey Tone : 1~5	Bogey Tone : 1
Laser Tone	Laser Tone : 1~12	Laser Tone : 4
Auto Mute On/Off	Auto Mute On <-> Auto Mute Off	Auto Mute On
Auto Mute Volume	Auto Mute Vol : 0~5	Auto Mute Vole : 2
Dark Mode Brightness Setting	Bright->Dim->Dimmer	Dimmer
Auto Dim Setting	Auto Dim Setting	
Bright Brightness Set	●Bright level : Bright -> Dim -> Dimmer	Bright
Dim Brightness Set	●Dim level : Bright -> Dim -> Dimmer -> Dark -> Off	Dim
Auto Dim Setting	Auto Dim Setting	
Quiet Ride	Off, 5~90mph ( 5mph unit ) 10~140km/h ( 10km/h unit )	Quiet Ride Off
Limit Speed	Off, 50~100mph ( 5mph unit ) or 80~160km/h ( 10km/h unit )	Limit Speed Off
GMT Mode	-12 ~ +12 Hour	
DST ( Daylight Saving Time )	DST On <-> DST Off	DST Off
Low Battery Voltage Warning	Low Battery Voltage Warning On <-> Low Battery Voltage Warning Off	Low Battery Voltage Warning Off
Vehicle Battery Saver	Vehicle Battery Saver On <-> Vehicle Battery Saver Off	Vehicle Battery Saver Off
Self Test On/Off	Self Test On <-> Self Test Off	Self Test On
Volume Level	0 ~ 6 Level	4 Level

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### Red Light Camera Point Deletion

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1. Red Light Camera alert



2. Press and hold [MUTE/DIM] button



3. Press [MUTE/DIM] button again to delete



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## Red Light Camera Q-ride

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Mute Red light camera alert when current speed is over than user setting

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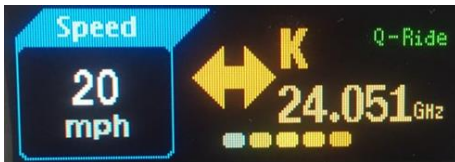
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## Quiet Ride

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Mutes radar alarms for K and X bands when you drive under the speed limit you set here.



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## Signal Priority / Ka Priority

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1. Signal Priority : Alert the strongest radar band when detecting multiple radar bands
2. Ka Priority : Alert Ka band regardless of signal strength when detecting multiple radar bands
3. Laser is the top priority.

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### All Threat Display mode

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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



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### Auto Mute

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Auto Mute reduces alarm level to User Setting of Auto Mute Volume level after 3 seconds and returns to normal operation(Auto Mute OFF) 10 seconds after the alert ends. If the same alarm sounds within 10 seconds period, Auto Mute remains.

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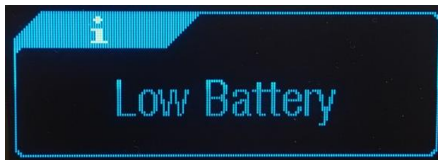
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### Low Battery Voltage Warning

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Alert Low Battery Warning under 11.0v every 30 minutes.



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### Ka Bogey Tone

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Set a tone to indicate the detector is responding to a different Ka band signal.

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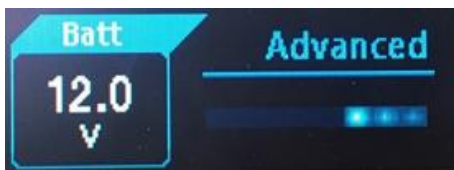
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## OLED Display Operation

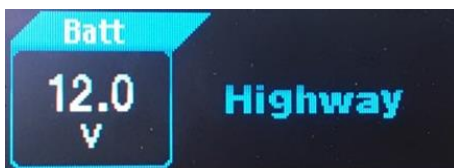
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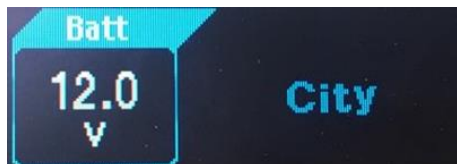
1. Scan Display : Scan light moves left to right and right to left repeatedly as below.



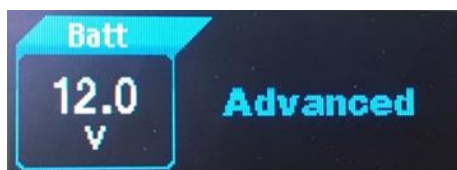
2. Highway Mode display



3. City Mode display



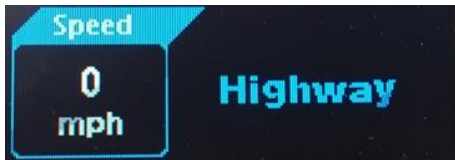
4. Advanced Mode display



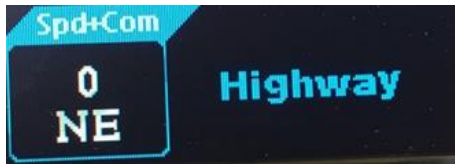
5. Time Display



6. Speed(Left display)



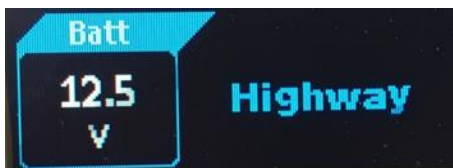
7. Speed + Compass(Left display)



8. Compass display(Left display)

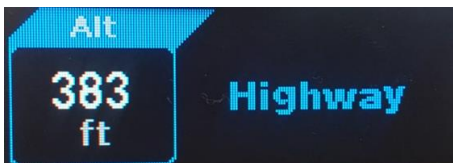


9. Voltage display(Left display)

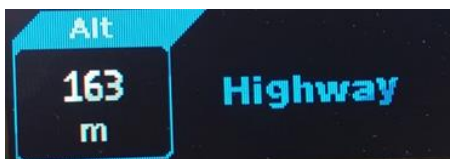


10. Attitude(Left display)

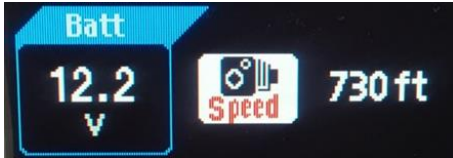
- Speed unit: MPH



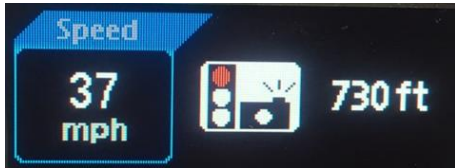
- Speed unit: KMPH



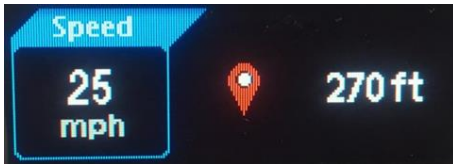
11. Speed Camera Alert



12. Red Light Camera Alert



13. User Mark Alert



14. POI Overspeed alert



**LIMITED WARRANTY**

The manufacturer warrants this product against all defects in materials and workmanship for a period of one (1) year from the date of the original purchase, subject to the following terms and conditions: The sole responsibility of the manufacturer under this Warranty is limited to either repair or, at the option of the manufacturer, replacement of the unit. There are no expressed or implied warranties, including those of fitness for a particular purpose of merchantability, which extend beyond the face hereof.

## **SPECIFICATIONS**

Radar Frequencies :

10.500 - 10.550 GHz (X Band)

23.900 - 24.250 GHz (K Band)

33.400 - 35.700 GHz (Ka Superwideband)

Laser Wavelength : 905nm +/-50nm

Operating Temperature Range : -10C to +70C

Power Requirements: Operational 12 to 15 volts DC

## **FCC INFORMATION**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

In addition, any changes or modifications to this product, which are not expressly approved by Uniden in writing, could void the user's authority to operate this product.

FCC ID **AMWUA1901**The end