MULTI-FUNCTION
RADAR DETECTOR
W/FULLY INTEGRATED DASH CAM

WHISTLER

WELCOME

Dear Whistler Customer,
If you have questions concerning the operation of this Whistler product please call:

Customer Service
1-800-531-0004
Monday - Friday • 8:00 am - 5:00 pm CT
or visit our website
www.whistlergroup.com

Please keep the receipt in a safe place. You may register your product online at **www.whistlergroup.com**. For warranty verification purposes, a copy of your dated store receipt must still accompany any unit sent in for warranty work. If the unit is returned without a dated store receipt, an out-of-warranty service charge applies. **NOTE:** Your warranty period begins at the time of purchase. The warranty is validated only by the dated store receipt! Please record the serial number of the unit in the space provided in the warranty section of the guide. To fully acquaint yourself with the operation of your Whistler detector and to better understand the differences between detecting radar, laser, and safety radar signals, we recommend reading this entire guide or visiting our Help Center & FAQ page on our website **www.whistlergroup.com**
Enjoy your Whistler detector and please drive safely.

Sincerely,
The Whistler Group, Inc.

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FEATURE DESCRIPTION

1. **Bracket Release Button** – provides quick and easy release of the mounting bracket.

2. **Speaker** – provides distinct audio warnings.

3. **Mounting Bracket Location** – slot holds mounting bracket firmly.

4. **Radar Antenna** – compact, high-efficiency antenna receives radar signals.

5. **Front Laser** – provides increased sensitivity and field of view for leading-edge laser detection.

6. **City Button** – reduces the annoyance of false alerts typically encountered in urban driving areas. Press and hold 3 seconds to manually lock a video file.

7. **Quiet Button** – pressing QUIET before a signal is detected engages Auto Quiet Mode which automatically reduces the audio level after the initial warning to a low audio level setting. Pressing QUIET during a radar/laser encounter silences audio alerts, while allowing visual alerts to keep you informed. Press and hold 3 seconds to turn Microphone On/Off.

8. **Power / Volume Control** – turns the unit on/off and adjusts the audio level. Press and hold 3 seconds to store a manual waypoint.

FEATURE DESCRIPTION

9. **Dim / Dark** – engages Dim/Dark modes. Press and hold 3 seconds to start or stop recording.

10. **Menu Button** – enters Option Select Mode. Press and hold 3 seconds to turn Wi-Fi On/Off. Engaging/disengaging Wi-Fi will pause the Recording.

11. **OLED Text Display** – provides better contrast, brightness and color/shows alerts detected, signal strength, and indicates engaged modes of operation.

12. **GPS Antenna** – provides Traffic Camera alerts as well as other speed selective settings.

13. **Power Port** – provides connection for the power cord.

14. **USB Port** – provides connection to a PC for data updates.

15. **DVR Lens** – 130° field of view.

16. **Wi-Fi** – Allows unit to connect to app via Wi-Fi, to control DVR settings.

17. **Micro SD Slot** – Slot for memory card.

18. **External Audio Port** – 2.5 mm size port for external audio use.

Mounting Guidelines

- Mount the unit as high as possible near the center of the windshield.

- Do not mount unit behind wipers, ornaments, mirrored sunscreens, etc. These obstructions have metal surfaces which can affect radar and laser signals and reduce critical warning time. (Tinted glass will darken the DVR image.)

- Some windshields have an Instaclear™ or Electriclear™ type coating which may affect radar. Consult your dealer or the vehicles owner's guide to determine if your windshield has this coating.

- To reduce the possibility of theft, conceal your unit when not in use.

Notice to Drivers in California and Minnesota:
State law prohibits drivers in California and Minnesota from using suction mounts on their windshields while operating motor vehicles. Other dashboard mounting options should be used. (See California Vehicle Code Section 26708(a); Minnesota Statutes 2005, Section 169.71). **Check local laws for compliance.**

Windshield Mounting

- Clean the selected area of the windshield for mounting using a quality glass cleaner.

- Slide detector onto bracket until it locks in place.

- Peel plastic cover off sticky portion of suction cup.

- Press the suction cup onto the windshield. To secure, press the locking tab toward the windshield. **Important:** make sure unit is level.

- Loosen the knob on the bracket to adjust the angle of the unit to be level with the road. Tighten knob to secure the unit's position.

Locking tab — Release tab

Adjustment knob — Bracket
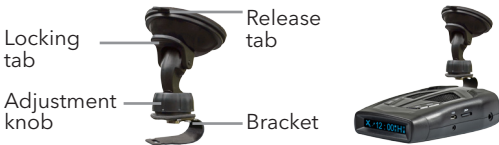
Important: Some newer cars have a plastic safety coating on the inside of the windshield. The windshield bracket may leave permanent marks. Check the vehicles owner's guide or ask your dealer before applying suction cup mount.

INSTALLATION

Power Cord Connection

- Plug the small end of the power cord into the unit's power port.

- Plug the large end into the vehicle's cigarette lighter/12V accessory socket.

NOTE: Cord fits tightly into detector. When installing the cord, expect some resistance.

The power plug USB port can be used to charge an ipad, iphone, smartphone, MP3 or tablet. The output for the USB port is 1A.

Fuse Replacement

The lighter/12V accessory socket plug is equipped with a replaceable 3 amp fuse located behind the silver tip. To replace the fuse, carefully unscrew the tip of the plug.
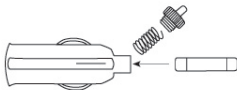
Important: Unscrew slowly. The tip contains a spring which may fly out when disassembling. Insert the new fuse with the spring and screw on the tip. With use, screw cap on plug may loosen. **Retighten occasionally.**

Power On Self-Test and Volume

Each time your Whistler detector is turned on, an automatic self-test sequence confirms that the speaker and visual displays are functional along with many of the saved settings.

Audio Level Adjustment

To change the audio level:

• Move Power/Volume button back to increase audio level.

• Move Power/Volume button forward to decrease audio level.

Integrated Real Voice®

Real Voice® will be used to articulate the following:

1. Band Identification

2. Safety Warning System™ categories

3. Feature Selection

Feature Engaged Confirmation

Each time a button is pressed, one beep confirms radar feature "on", two beeps confirm radar feature "off". DVR and Wi-Fi functions require a press and hold 3 seconds to engage or disengage function.

Quiet Mode

Quiet Mode cancels audio during an alert and any new alert within 20 seconds. After 20 seconds of no alerts, the audio is restored for any new alerts.

• Press Quiet during an alert to cancel the audio.

• Press Quiet a second time during an alert to restore the standard audio alert pattern; or turn the unit off, then on.

Auto Quiet Mode

Auto Quiet Mode reduces the selected audio level approximately 5 seconds after a radar signal is detected followed by a reduced tone. The reduced tone will continue for as long as the detected signal is present and for any new signal within 20 seconds. Auto Quiet Mode does not affect laser alerts. Press Quiet (before a signal is detected) to engage Auto Quiet Mode.

• Once the Auto Quiet Mode is engaged, you may cancel the audio alarm by pressing Quiet.

• Press Quiet (when the unit is not alarming) to cancel Auto Quiet Mode.

NOTE: Speed selectable Auto Quiet is selectable in Option Mode.

City/City 1/City 2 Modes

Whistler's City Modes are designed to reduce the annoyance of automatic door openers and other devices which share frequencies with police radar.

- Press City to cancel Highway Mode and engage City Mode. In City Mode, weak radar signals give an initial alarm of two beeps, then remain quiet until the signal becomes very strong. When the signal strength increases, two additional beeps are provided.
- Press City again to enter City 1 Mode. Operation of audio is the same as Highway Mode but in City 1 Mode, X band is lowered.
- Press City again to enter City 2 Mode. Operation of audio is the same as Highway Mode but in City 2 Mode, X band is not reported.

Caution: Some towns/small cities may still be using X band radar. City Modes do not change the audio alert for laser.

- Press City a fourth time to cancel City 2 Mode and return the unit to Highway Mode.

Highway Mode

Highway Mode provides full audio warnings, and is recommended for open road driving.

For more information on City and Highway modes, please visit our Help Center & FAQ page on our website: **www.whistlergroup.com**

Understanding the Display

When not alerting, the units display can be used to indicate Heading, Mode of Operation (Highway and City modes), Clock, DVR and Wi-Fi status.

Signal Strength Display

When a radar signal is detected the audio alerts have a Geiger counter-like pattern to help you determine the strength of the radar source; the faster the beeping the stronger the radar signal. At the same time the audio is reporting, the display illuminates the band identification Icon and relative signal strength from 1 to 9.

1 = weak signal, 9 = strong signal

Dim/Dark Modes

Dim/Dark Mode reduces illumination of the display.

- Briefly press and release the Dark button to reduce illumination to a Dim setting.

$$\boxed{\text{DIM}}$$

- Briefly press and release the Dark button a second time to engage Dark Mode. In Dark Mode, the display appears a bit dimmer than Dim mode and will go completely dark for as long as a signal is being detected and for 20 seconds after, then the display returns to the dimmer illumination. Dim Modes can be engaged during an alert.

$$\boxed{\text{DARK}}$$

- Briefly press and release the Dark button a third time to restore full illumination to the display.

Vehicle Battery Saver Mode

If selected the Vehicle Battery Saver Mode automatically shuts off the detector after 3 hours if the unit has constant power.

The timer is reset when:
1. Each time the detector is turned off.
2. The power cord is disconnected or power is removed to the unit.
3. Any button is pressed before the timer has expired. The detector will alert you with an audible and visual PWR OFF warning before it shuts off.

During this warning you can reset the timer by pressing any button. If the unit has automatically turned itself off, press any button to turn the unit back on.
Refer to "Option Select Mode" for instructions for changing the battery saver mode option.

Teach/Tutorial Mode

Provides simulated alerts for each type of signal.
• Press City and Quiet simultaneously and release.

Display briefly shows: (TEACH)

• Press Dark to cancel.

Traffic Flow Sensor Rejection (TFSR)
Field Disturbance Sensor Rejection (FDSR)
Recently many new products that operate on police radar frequencies have been causing nuisance alerts to radar detectors. These radar based sensors are installed alongside the Highway and more recently on vehicles used as lane change assist / blind spot detectors / collision avoidance systems. **TFSR** when turned ON is designed to eliminate alerts from specific Traffic Flow sensors. **FDSR** when turned ON is designed to identify all radar based collision avoidance systems that operate within the same band as police radar and provide a brief, less intrusive alert to keep you informed and aware.
A signal strength indicator will help determine your proximity to the source without the continued annoyance of audio.

Filter Modes
There are times when a radar detector in another vehicle can emit a frequency which can cause your detector to falsely alert. The Filter Modes allow you to select the level needed for your area to minimize the occurrences of these false alerts. Filter 1 is the factory default setting and should provide adequate filtering for most conditions. If you experience excessive alerts due to radar detectors in other vehicles, increase the Filter level. See Option Select Mode chart at the back of this user guide to change the filter settings.

Speed Selectable Auto Quiet
Traveling below the speed selected in option mode
will engage Auto Quiet mode.
NOTE: Enter Option mode to set Speed Selective
Auto Quiet. (0-40MPH / 0-65KMH)

Speed Selectable Filter Mode
Traveling below the speed selected in option mode
will apply the maximum Filter.
NOTE: Enter Option Mode to set Speed Selectable
Filter. (0-40MPH / 0-65KMH)

VG-2 Mode
See Option Select Mode to turn this feature on/
off. When a VG-2 signal is detected, the VG-2 alert
is sounded and the display flashes "VG-2". After 3
seconds the audio is canceled and the display no
longer flashes. This cycle is repeated if the VG-2 signal
is detected again.

**During the period a VG-2 signal is detected, a
radar signal cannot be detected.**
However, because the VG-2 alert has confirmed that
a patrol car is nearby, you are already aware of the
potential for speed monitoring and can adjust your
speed accordingly. Laser detection is not affected
while a VG-2 signal is detected.

Laser Signature ID (LSID)
Identifies the Laser gun's pulse rate or PPS (Pulses per Second) that is transmitted by the speed laser gun. LSID may also be used to identify other forms of laser sources such as LACC (Laser Assisted Cruise Control) systems found in some high-end vehicles. If the Laser PPS information displayed is due to another source such as local airports or LACC, LSID allows you to lock out this rate from giving you the continuous audio alert during this and any new encounter of the same rate.

To lock out a PPS, press the Quiet button during the Laser alert. This will place an * on the screen beside the PPS rate and lock out this signature ID. Any new encounter with the same Laser Signature ID will provide the display information and two quick beeps.

Caution: Do not lock out a PPS rate if it is close to known speed laser guns.

Segmented Selectable Laser Receiver
The laser validation windows are separated into segments allowing for customization.
Segment Pulse Rate
Laser Area 1: 20Hz to 950Hz (.02 - .95)
Laser Area 2: 2600Hz to 3200Hz (2.6 - 3.2)
Laser Area 3: 3800Hz to 4200Hz (3.8 - 4.2)

Laser Area 1 covers the traditional laser guns used in North America. Laser Area 2 and 3 cover laser guns recently approved for use in North America. You can change the selection from yes to no individually in option mode. If a laser within a group is not used in your area, you may shut off that group (change the selection from Y to N while in Option Select Mode) by pressing the DARK or QUIET buttons.

POP™ Mode Alerts
Because POP™ Mode radar utilizes the same K or Ka band frequencies, POP™ Mode Alerts will initially be displayed as POP K or POP Ka then switch to band and signal strength.

Safety Warning System™ (SWS™)
In communities where transmitters are located, the Safety Warning System™ provides over 60 text messages. When SWS™ is detected the audio alert is geiger counter-like.
Safety Warning System Text Message
Example: HIGHWAY HAZARD

Alert Priority
When two or more signals are received at the same time, the alert priority is:
1. Laser
2. VG-2
3. Speed Radar

Example: A laser warning will override a radar alert.

Getting a Satellite Lock

Powering up, the unit will begin its search for satellites. During this time, the unit will flash the satellite icon on the display. Please allow several minutes for the unit to lock onto the satellites.

Satellite lock

Satellite no lock

NOTE: Driving while initially searching for satellites will take longer than if you are stationary. Acquiring satellites takes much longer the first time.

Red Light/Speed Camera Alerts

When approaching a known camera, the unit will provide the type of alert (Red Light Camera, Traffic Camera, Speed Camera, or User Location). Example: the display will show TRF CAM then count down the distance to the camera. Once past the camera location, the unit will provide a beep-beep audio tone and the word PASS will be shown on the display.

Manual Entry (Waypoint)
Once GPS has a lock, you can save a special location (i.e., a new red light camera or even a "trap"). The unit will store 1000 user locations.

NOTE: Manual entries must be approximately 330 feet apart to prevent overlapping locations. To manually enter a location, press and hold the Power button for 3 seconds and the unit will beep to confirm. Manual entries can be deleted within a certain radius (selected in Option Select Mode). With a radius selected, the data can be deleted within the Radius or they all can be deleted completely from memory.

ADD		EXISTS

ADD is displayed when you first add a Waypoint.　　EXISTS is displayed when a Waypoint already exists.

USR   LOC

USR LOC is displayed when entering a manually stored user location.

USR   -16

Distance to waypoint will be displayed (negative yards) until Waypoint is reached.

← PASS

PASS is displayed after reaching Waypoint.

Updating the Database

Follow the steps below to update the Laser-Radar Detector.
Step 1: Remove the Laser-Radar Detector from the vehicle and bring it to your PC.
Note: You do not need to power the Laser-Radar Detector to update it.
Step 2: Download the update program and install it on your PC.
https://whistlergroup.com/pages/downloads

NOTE: Program is not MAC compatible.
Step 3: Download and save the .cdb file downloaded to your PC. Create a folder for the unit so you can store future updates and save these files into the newly created folder.

DO NOT RENAME THE .cdb FILE OR TRY TO OPEN IT!

Step 4: Open the update program and plug the USB cable into the Laser-Radar Detector. If PC asks to reformat, select Cancel and go to Step 5.
Step 5: Click the "DB Update" button on the update program and locate the saved file from Step 3. Click Open to install the file.
Step 6: When update is complete, close the update program, unplug the USB cable and the Laser-Radar Detector is ready with the new updates.

Wi-Fi App Installation

For iPhone, visit the app store, download and install **RD-DashCam**.

For Android users, visit Play store, download and install:

RD-DashCam

Minimum OS requirement:
Android 7.0 / iPhone 11.0

1. Press and hold the MENU button for 3 seconds on your MFU detector, the Wi-Fi icon appears on the display.

2. Connect your mobile phone to the MFU through Wi-Fi settings. Select Sports DV from the list of available networks. (The numbers after DV are unique to each unit should you own more than one) enter password 12345678.

3. Close settings and open the app. **NOTE:** Accept all permissions when prompted, location services must be on, GPS must be enabled. Press the play button to open app.

4. In the menu you can control DVR functions and format your SD card. **NOTE:** See DVR OPERATIONS.

DVR Operation
When power is applied to the MFU, unit will automatically start recording if it contains a properly formatted microSD card. DVR settings must be changed in the app.

Settings Icon - takes you to the DVR menu.

Files Icon - takes you to video files to be viewed or downloaded.

Microphone Icon - tap microphone icon to mute microphone.

Mode Icon - allows you to change modes from Record or capture.

Phone Icon - takes you to the home screen of MFU 440 RD/DASH CAM.

Record Icon - stops and starts recording

Record Indicator - when recording, icon will blink

Resolution
You can choose the quality of the video
1080FHD 1920 x 1080 30fps
1080P 1440 x 1080 30fps
720P 1280 x 720 30fps
WVGA 848 x 480 30fps
VGA 640 x 480 30fps

Exposure
Lighten or darken video from +2 thru -2.

Loop Recording
Saves the recordings in separate files every few minutes. Once memory card is full, unprotected files will be overwritten in the order they were created. You can select: Off/1 Min/2 Min/3 Min/5 Min/10 Min.

Gravity Sensor
G-Sensor, will automatically lock current video file if shock exceeds setting. This can be set to Off/2G/4G/8G. Record icon will blink to show locked file.

Date Stamp
When On, will stamp the video with the Date/Time.

Date / Time
Choose method of displaying date format
YY/MM/DD, DD/MM/YY, MM/DD/YY.

Language
English or Español

FACTORY RESET

Reset Features

All Radar/Laser features can be reset to factory settings. To reset, follow these steps:

1. Remove Power from the unit.
2. Press and hold the Power and Quiet button.
3. Restore Power to the unit.
4. FACTORY RESET will be displayed followed by 2 beeps.
5. Release the Power and Quiet buttons.

Unit is now reset to the following features and settings.

City/Highway to Highway Mode
Dim/Dark Mode - to full illumination of display
Auto Quiet OFF
Vehicle Battery Saver OFF
Full Power Up sequence
Default TONE 3
Laser LSID YES
SWS OFF
POP™ OFF
VOICE® EN
TFSR ON
FDSR OFF
XK and Ka Filter 1
Laser Segments ON
VG-2 OFF
GPS YES

FACTORY RESET

- GPS RELATED FEATURES -
DST: NO
GMT: -5
Clock: YES
Auto Dim: ON
Compass: YES
Compass Voice: NO
Speed: MPH
Overspeed: CLEARED
Auto Quiet: SPD 0
Auto Filter: SPD 0
Alarm Radius: 400
Delete Radius: 400

OPTION SELECT MODE

Press the Menu button to enter Option Select Mode. Press the Menu button again will step thru in an ascending order while pressing the City button will step thru in a descending order.
Press and release the power button to exit. Option mode will automatically exit if no buttons are pressed within 20 seconds.

Feature	Display Shows	To Change: D=Dark Q=Quiet	Option
Change tones	TONE 3	D or Q to select	Tone 1, 2, 3 (3 Different Tone Patterns)
TEST	TEST ON	D = ON Q = OFF	ON = X, K, Ka Audio Tones OFF = One Beep During Power Up
X	X=ON	D=ON Q=OFF	X Band = ON (Default) X Band OFF
K	K=ON	D = ON Q = OFF	K Band = ON (Default) K Band OFF
Ka	Ka=ON	D = ON Q = OFF	Ka Band = ON (Default) Ka Band OFF
Laser pulse rate	LSID YES	D or Q to select	LSID YES (default) LSID NO
Laser area 1	.02-.95 Y	D = ON Q = OFF	Laser Area 1 ON (default) Laser Area 1 OFF
Laser area 2	2.6-3.2 Y	D = ON Q = OFF	Laser Area 2 ON (default) Laser Area 2 OFF
Laser area 3	3.8-4.2 Y	D = ON Q = OFF	Laser Area 3 ON (default) Laser Area 3 OFF
VG-2 Mode	VG-2 OFF	D = ON Q = OFF	VG-2 ON VG-2 OFF (default)
SWS™	SWS OFF	D = ON Q = OFF	SWS ON SWS OFF (default)
Voice	VOICE EN	D or Q to select	VOICE EN (English, default) VOICE SP (Spanish) Voice N= OFF
POP™	POP OFF	D = ON Q = OFF	POP ON POP OFF (default)

OPTION SELECT MODE

Battery Saver	B SVR OFF	D = ON Q = OFF	Battery Saver = ON Battery Saver = OFF (Default)
X/K filter	XK FLTR 1	D or Q to select	Filter 1 (default) Filter 2, Filter 3, Filter 0
Ka filter	Ka FLTR 1	D or Q to select	Filter 1 (default) Filter 2, Filter 3, Filter 0
TFSR	TFSR ON	D = ON Q = OFF	TFSR ON (default) TFSR OFF
FDSR	FDSR OFF	D = ON Q = OFF BOTH D & Q	FDSR = ON FDSR = OFF (Default) FDSr = FDSR, no Audio
GPS mode	GPS Y	D = ON Q = OFF	GPS Mode ON (Default) GPS mode OFF
Local time	GMT-5	D or Q to select	Change Time Zone
Daylight savings	DST N	D = YES Q = NO	Daylight Savings YES Daylight Savings NO (Default)
Clock	CLOCK Y	D = YES Q = NO	Clock Display YES (Default) Clock Display NO
Auto Dim	ADIM:ON	D = YES Q = NO	Auto Dim ON (Default) Auto Dim OFF
Compass mode	COMPAS Y	D = YES Q = NO	Compass Mode ON (Default) Compass Mode OFF
Compass Voice	VOICE N	D = YES Q = NO	Compass Voice ON Compass Voice Off (default)
Unit of measure	SPD MPH	D or Q to select	MPH / KMH / OFF
Speed warning	O-SPD 0	D or Q to select	Over speed warning, select desired speed limit for alert
Auto quiet speed	AQSPD 0	D or Q to select	Select low speed limit for Auto Quiet to engage
Auto filter speed	AFSPD 0	D or Q to select	Select low speed limit for Auto Filter to engage
Alarm radius	RAD 400	D or Q to select	Select 200, 400, 600
Delete radius	D-RAD 400	D or Q to select D and Q to execute	Select delete waypoint radius
Delete waypoint	ALL DEL	Press D and Q	Delete all manual waypoint

TROUBLESHOOTING

Your Whistler detector is expertly engineered and designed to exacting quality standards to provide you with reliable, trouble-free operation. If your unit has been correctly installed following the guidelines in this guide, but is not operating optimally, please refer to the troubleshooting guide below.

PROBLEM: Unit does not turn on.
• Check fuse in power cable, replace if necessary.
• Check fuse in fuse box, replace if necessary.

PROBLEM: Unit alarms when vehicle equipment or electrical accessories (brakes, power mirrors/windows, directionals, horn, etc.) are in use.
• Check conditions of vehicle's electrical system, including battery and alternator.

PROBLEM: Audio alerts are not loud enough.
• Cancel Auto Quiet Mode or City Mode.
• Check audio level setting.
• Check Speed Selective Auto Quiet setting in Option Mode.

PROBLEM: Unit alarms when vehicle hits bumps.
• Check for loose lighter socket; tighten and clean.
• Check connections at both ends of the power cord. Substitute another cord to determine if the cord is defective. Return defective cord to the factory.

PROBLEM: Unit falses too much.
- If alarms are POP™ Ka, switch POP™ Mode to off.
- If the above option doesn't help, use a higher Filter setting or if Ka is not used turn Ka band off.
- If alarms are due to radar based traffic flow sensors or radar based vehicle blind spot detectors, turn TFSR ON.

PROBLEM: Unit does not record.
- If the SD card icon does not show on the unit when powered on, please check to make sure there is a microSD card in the microSD card slot.
- If display indicates SD CARD FULL, save any important files then use the phone app to format the card. This will erase ALL videos or pictures on the microSD card, including any locked files.

If difficulties occur which cannot be solved by information in this Troubleshooting section, please call Whistler Customer Service at 1-800-531-0004 or visit our Help Center & FAQ page at **www.whistlergroup.com**, before returning your unit for service.

Care and Maintenance
During the summer months, avoid prolonged exposure to direct sunlight by removing your unit from the dash when your vehicle is parked for an extended period of time. Do not spray water, cleaners, or polishes directly onto the unit. Do not use any abrasive cleaners on the unit's exterior.

LEGAL NOTICES

ARE DETECTORS LEGAL?
In Most States YES.
Laser-Radar detectors are legal in every state (except Virginia and Washington, D.C., which have local regulations restricting the use of radar receivers in any vehicle) when used in automobiles or light trucks (under 10,000 lbs.). The Federal Highway Administration (FHWA) issued a regulation, effective January, 1994 which prohibits radar and laser detector use in vehicles over 10,000 lbs. Prior to the FHWA regulation, laws existed in New York restricting the use of radar detectors in trucks over 18,000 lbs. and in Illinois in trucks over 26,000 lbs.

Notice to Drivers in California and Minnesota:
State law prohibits drivers in California and Minnesota from using suction mounts on their windshields while operating motor vehicles. Other dashboard mounting options should be used. (See California Vehicle Code Section 26708(a); Minnesota Statutes 2005, Section 169.71). **Check local laws for compliance.**

FCC Information
FCC ID: HSXWH44
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,
(2) this device must accept any interference received, including interference that may cause undesired operation.
IMPORTANT: FCC requirements state that changes or modifications not expressly approved by Whistler could void the user's authority to operate the equipment.

NOTE: 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 equipment complies with RF exposure requirements.

RADAR/LASER ALERTS

Radar Alerts
When X, K or Ka is detected, the band ID and signal strength are displayed. The audio alert is continuous and has a Geiger counter-like pattern. The faster the beep, the closer or stronger the radar source.

Laser Audio/Visual Alerts
When a laser signal is detected the word "LSR" and the corresponding laser pulse rate is displayed, the audio alert is continuous for a minimum of 3 seconds. "LSR 238"

Pulse Protection*
Pulse (or instant-on) radar remains "off" until activated to measure the speed of a targeted vehicle. When a pulse type transmission is detected, your Whistler detector sounds an urgent 3-second audio warning.

Display Shows: (PULSE)

After the 3-second pulse alert, the standard alert pattern continues for as long as the signal is present. It is important to respond promptly to a pulse alert, since warning time may be minimal.

POP™ Mode
POP™ Mode is a feature on some radar guns operating on K and Ka bands. When activated, a brief burst of energy, less that 1/15 of a second, is transmitted and the vehicle's speed is quickly acquired. A detector without POP™ Mode detection capability cannot respond to this brief transmission.

Laser Facts

It's well documented that many radar guns cannot reliably provide the speed of a targeted vehicle that is traveling in a group of vehicles. In contrast, a laser gun can target a specific vehicle out of a line of traffic and determine its speed. The advantage of laser over radar in terms of target identification is the result of the laser gun's narrow beam. A radar gun's transmission can cover more than a four-lane highway at a distance of 1,000 feet, compared with a laser gun's transmission which covers about 3 feet at the same distance.

For best protection, keep these points in mind:

- Because the vehicle's license plate or headlights are the laser gun's primary targets, mounting the Whistler detector on the dashboard can improve laser detection at short range.
- Do not follow closely behind any vehicle you cannot see through. If you can't see past a vehicle ahead of you, chances are your detector can't either. The receiving range of your laser detector will not be the same as a radar detector. Laser guns are most often used at short range.
- Whistler Laser-Radar detectors receive all current laser guns which operate at a laser wave length of 905nm +/- 50nm including but not limited to the following:
  - Ultra Lyte
  - LTI 20-20
  - LTI TruSpeed® S
  - Laser Ally
  - Pro Laser™ I II III
  - Laser Atlanta® Stealth Mode

Laser Tips

If you are the targeted vehicle, a laser gun can often determine your speed within a few seconds after you receive an alert. In this situation, there is generally no time to safely adjust your speed. However, if you are traveling near or behind the targeted vehicle and receive an alert, response time should be sufficient. Any laser alert, regardless of duration, requires immediate action.

Radar Facts

A radar gun operates by transmitting radio waves at certain frequencies which reflect off objects and are picked up by the radar gun's receiving section. When a radar beam reflects off a moving target, a measurable frequency shift occurs. The radar unit converts this shift into miles per hour to determine your vehicle's speed. This laser/radar detector receives signals from traffic radar guns at X Band (10.500 - 10.550 GHz), K Band (24.050 - 24.250 GHz), and Ka Band (33.400 - 36.000 GHz).

NOTE: Your radar detector is designed to alarm if an officer is transmitting on any one of the above radar bands.

Other Speed Detection Systems

Several techniques other than radar or laser are used to measure vehicle speeds. When these methods are being used, no detector can provide a warning. These techniques include:

• **Pacing** - A patrol car drives behind you and matches your driving speed.

• **Vascar/Aircraft** - The police measure the time it takes your vehicle to travel a known distance.

Radar Detector Detectors: VG-2, Spectre

The Interceptor VG-2 or simply VG-2, is one type of microwave receiver used by Police to detect signals radiated by the local oscillator of a radar detector. Because its purpose is to identify persons driving with radar detectors, these devices are known as a "radar detector detector" (RDD). An RDD is the primary tool used by the police to identify radar detector equipped vehicles. If caught in a state or country where detectors are illegal, drivers risk losing their radar detector and receiving a fine. In addition, instant-on radar is almost always used in combination with an RDD, leaving unsuspecting motorists vulnerable to receive two tickets; one potential for speeding, and the other for possession of a detector.

NOTE: The newest tool police have to detect radar detectors is called Spectre. Spectre can detect the majority of undetectable (VG-2) laser/radar detectors on the market.

It is the responsibility of the individual radar detector user to know and understand the laws in your area regarding the legality of the use of radar detectors.

WARRANTY INFORMATION

Consumer Warranty
This Whistler Laser-Radar detector is warranted to the original purchaser for a period of one year from the date of original purchase against all defects in materials and workmanship. This limited warranty is void if the unit is abused, modified, installed improperly, or if the housing and/or serial numbers have been removed. There are no express warranties covering this product other than those set forth in this warranty. All express or implied warranties for this product are limited to the above time. Whistler is not liable for damages arising from the use, misuse, or operation of this product.

NOTE: Units that cannot be repaired will be replaced with the same or similar model. Replacement unit's warranty will be based on the original unit's purchase date.

Service Under Warranty
During the warranty period, defective units will be repaired without charge to the purchaser when returned with a dated store receipt to the address below. Units returned without a dated store receipt will be handled as described in section "Service Out-of-warranty."

Due to the specialized equipment necessary for testing a Laser-Radar receiver, there are no authorized service stations for Whistler brand detectors other

than Whistler. When returning a unit for service, please follow these instructions:

1. Ship the unit in the original carton or in a suitablesturdy equivalent, fully insured, with return receipt requested to:

Whistler Repair Dept.
1412 South 1st St.
Rogers, AR. 72756
Please allow 3 weeks turnaround time.

IMPORTANT: Whistler will not assume responsibility for loss or damage incurred in shipping. Therefore, please ship your unit insured with return receipt requested. CODs will not be accepted!

2. Include with your unit the following clearly printed information:

• Your name and street address (for shipping via USPS), a daytime telephone number and an email address, if applicable.
• A detailed description of the problem (e.g."Unit performs self-test but does not respond to "radar").
• A copy of your dated store receipt or bill of sale.

3. Be certain your unit is returned with its serial number. For reference, please write your unit's serial number in the space provided.

WARRANTY INFORMATION

Units without serial numbers are not covered under warranty.

IMPORTANT: To validate that your unit is within the warranty period, make sure you keep a copy of your dated store receipt. You may register your warranty online at **www.whistlergroup.com**, however, for warranty verification purposes, a copy of your dated store receipt must accompany any unit sent in for warranty work.

Service Out-of-warranty
Units will be repaired at out-of-warranty" service rates when:
• The unit's original warranty has expired.
• A dated store receipt is not supplied.
• The unit has been returned without its serial number.
• The unit has been abused, modified, installed improperly, or had its housing removed.

The minimum out-of-warranty service fee for your Whistler detector is $75.00 USD. If you require out-of-warranty service, please return your unit as outlined in the section "Service Under Warranty" along with a certified check or money order. Payment may also be made by MasterCard, VISA, or American Express; personal checks are not accepted. In the event repairs cannot be covered by the minimum service fee, you will be contacted by a Whistler

technical service specialist who will outline options available to you. If you elect not to have your unit repaired, it will be returned to you along with your certified check or money order.

IMPORTANT: When returning your unit for service, be certain to include a daytime telephone number and an email address (if applicable).

Customer Service
Representatives are available to answer your questions Monday - Friday from 8:00 a.m. to 5:00 p.m. (CT - USA) at: 1-800-531-0004 via email at: **support@whistlergroup.com** or visit the Help Center & FAQ at **www.whistlergroup.com.**

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Write Serial Number in the space provided

SPECIFICATIONS

Radar Frequencies:
10.500 - 10.550 GHz (X Band)
24.050 - 24.250 GHz (K Band)
33.400 - 36.000 GHz (Ka Superwideband)

130° Optical Quality 4 Glass Lens
Supports microSD card up to 32GB Max
G-Sensor Setting 8G Max
Built-in Microphone
Wi-Fi 802.11 b/g
Password 12345678

Operating Temperature Range:
-10 C to +70 C (+14 F to +158 F)

Power Requirements:
Operational 12 to 15 volts DC, 320mA nominal (3 amp fuse) Vehicle Battery Saver, 50mA nominal.

Patents can be viewed here:
www.whistlergroup.com/pages/pat

POP™ Mode is a trademark of MPH Industries, Inc.
SWS™ Mode is a trademark of Safety Warning Systems L.C.

Minimum OS requirement:
Android 7.0
iPhone 11.0

Specifications are subject to change without notice.

CORPORATE HEADQUARTERS
1716 SW Commerce Dr. Ste. 8
Bentonville, AR 72712
Toll Free (800) 531-0004
TEL (479) 273-6012
www.whistlergroup.com

CUSTOMER RETURN CENTER
1412 South 1st St.
Rogers, AR 72756
Email: support@whistlergroup.com