User Guide

TITAN
RADAR DETECTOR

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 accessories 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**.

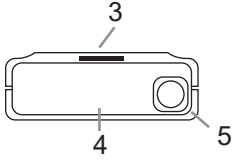
Enjoy your Whistler detector and please drive safely.

Sincerely,
The Whistler Group, Inc.

TABLE OF CONTENTS

TABLE OF CONTENTS

FEATURE DESCRIPTION



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** - 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 the city.
   Press and hold 2 seconds to enter RU Alert.
   Press when in Menu to reverse Menu order.

7. **Quiet Button** - press to quiet a radar/laser alert.
   Press twice when alerting X or K band, to store XK location quiet.
   Press during an XK quiet event to clear stored XK location quiet.
   Press during power up to enable or disable the Power On audio self-test.
   Press when in Menu to enable, disable or select the condition of the displayed feature.

FEATURE DESCRIPTION

8. **Power / Volume Control** - Press in to turn unit on/off.
   Move toward or away from you adjusts the audio level.
   Edits select Menu items.
   Press and hold 3 seconds to store a USER LOC waypoint.

9. **Dim / Dark** - engages Dim/Dark modes.
   Pressing when in Menu will toggle selection.
   Pressing when in RU Alert will Exit RU Alert.

10. **Menu Button** - enters/advances Option Select Mode.

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

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

13. **Power Port** - connection for the power cord.

14. **USB Port** - connection to a PC Only for FW, DSP, and Database updates.

15. **External Audio Port** - 2.5 mm size port for external audio (16-ohm speaker).

16. **Intellicord S1/S2 Function** - Short press = S1 function, Long press = S2 function.

17. **Intellicord USB Output** - 2A to charge mobile devices.

INSTALLATION

Mounting Guidelines

- 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.
- 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. Dashboard mounting options should be used. (See California Vehicle Code Section 26708(a); Minnesota Statutes 2005, Section 169.71).
Check local laws for compliance.

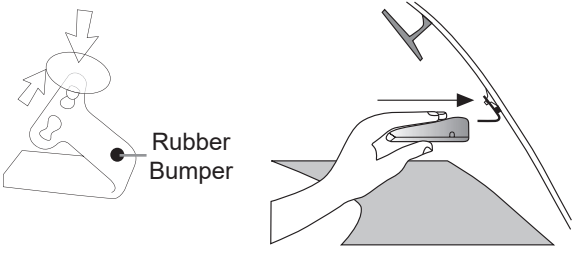
Important: Some vehicles may have a plastic safety coating on the inside of the windshield. The windshield bracket may leave permanent marks. Check the vehicles owner's guide or ask your dealer before applying suction cup mount.

INSTALLATION

Windshield Mounting

- Clean the selected area of the windshield for mounting using a quality glass cleaner.
- Install the 2 suction cups and rubber bumper onto the bracket by fitting them into their holes.
- Press the suction cup firmly onto the windshield.
- If necessary, the unit may be leveled by bending the windshield bracket.

Important: Remove the detector before bending.



- Slide detector onto bracket until it locks in place.
- Press release button on left side to remove.

NOTE:

- Remove detector from bracket when not in use.
- To allow air to pass below the unit, do not place directly on dashboard.

INSTALLATION

Power Cord Connection

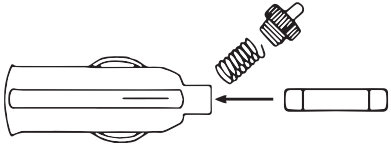
- Plug the small end of the power cord into the unit's power port.
- Plug the large end into the vehicle's cigarette lighter/12V accessory socket.

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

The power plug USB port can be used to power or charge a mobile device. The output for the USB port is 2A.

Fuse Replacement

The lighter/12V accessory socket plug is equipped with a replaceable 4-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.**

GENERAL OPERATION

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 several of the saved settings.

Power On Self-Test Quiet
Press Quiet button during power up to enable or disable the audio during power up.

Audio Level Adjustment
To change the audio level:
- Move Power/Volume button away from you to increase audio level.
- Move Power/Volume button toward you to decrease audio level.

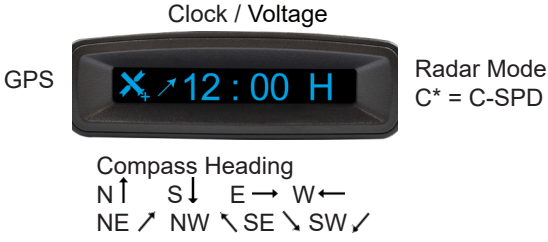
Integrated Real Voice®
Real Voice® will be used to articulate the following:
1. Band Identification
2. Feature Selection
3. Compass Heading (N, S, E, W)

Feature Engaged Confirmation
Each time a button is pressed, one beep confirms radar feature “on”, two beeps confirm radar feature “off”.

Setting Saver
Stores your personalized settings so that when the detector is turned off and then on again, you do not have to re-enter them.

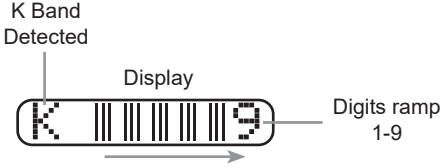
Understanding the Display

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



Signal Strength Display

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



1 = weak signal, 9 = strong signal

Teach/Tutorial Mode

Provides simulated alerts for each type of signal.

- Press City and Quiet simultaneously and release.
- Press Dark to cancel.

Highway Mode

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

City / City 1 / City 2 Modes

Designed to reduce the audible annoyance of automatic door openers and other devices which share frequencies with police radar.

- City Mode, weak radar signals give an initial alarm of two beeps, then remain quiet until the signal becomes stronger. When the signal strength increases, two additional beeps are provided.
- City 1 Mode - X band sensitivity is reduced, audio is the same as Highway Mode.
- City 2 Mode - X band is disabled.
- Audio is the same as Highway Mode.

Auto City (C-SPD)

Speed selectable City Mode is available in Menu.
When driving below the selected speed, City mode functions are enabled saving you from manually changing between H and C modes while driving.

Quiet Mode

Cancels audio during an alert and any new alert within 20 seconds of the previous alert.

Once quieted, you can manually cancel Quiet during a displayed alert with another press of the Quiet button.

XK Location Quiet (GPS Required)

X and K band alert locations can be saved to prevent nuisance audio alerts the next time you enter this area.

To enable XK location Quiet, press the Quiet button during an X or K band audible alert, “QUIET” will be displayed for 2 seconds. During this 2 second period, another press of the Quiet button will store the location and XK 📍 will be displayed briefly to confirm. (For best results, do not store location of the transmitter. It is recommended to store the location when unit first achieves a signal level 9)

When in a 📍 quiet zone, 📍 will be displayed on the left side of the unit display.

To manually Delete an XK 📍 when no radar is present, press the Quiet button when 📍 is displayed.
XK 📍 DEL? will appear briefly, a 2nd press of the Quiet button will delete this location from memory.

Unit will store up to 300 Quiet locations.

Dim/Dark/Auto Dim Modes

Reduces illumination of the display.

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

- Briefly press and release the Dark button a second time to engage 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.

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

Auto Dim

Automatically dims the intensity of the display for evening driving based on GPS time and your preferences.
Allows custom time adjustment in 1-hour increments
5pm – 9pm thru 5am – 9am. (Default is 7pm thru 7am)

NOTE: Auto Dim is available in Option Select Mode
Adjustment is applied using Vol+ and Vol-

STAY ALERT
Designed to test a driver's alertness.
To engage (when unit is not alerting):

- Press and hold the CITY button for 2 seconds then release when the tone is given.
- Within 30-60 seconds, 2 beeps are provided, the driver must press the CITY, QUIET, or MENU within 3-5 seconds, the cycle is repeated.
- If the button is not pressed within 3-5 seconds, an alarm will sound.
- Press the DARK button to exit STAY ALERT at any time.

WARNING!!! Stay Alert is NOT intended as a substitute for adequate rest. You should NOT operate a vehicle if you are drowsy.

Alert Priority
When two or more signals are received at the same time, the alert priority is:
1. Laser
2. Ka band
3. MRCD / MRCT
4. K band
5. X band

Example: A laser warning will override a radar alert.

MENU OPTIONS

S1 / S2 Function
Remotely control functions from your Intellicord 2.0
(POWER / QUIET / WAYPT / USER / CITY / DIM)

USER (3 unique user profile settings)
User can be customized. Dark + Quiet = enter edit,
Vol +/- = change character, Dark = cursor right,
Quiet = cursor left, Power = exit and save.

Alert LED (LED)
Provides additional attention during alert

Battery Voltage alert (B-VOLT)
Warns you if battery voltage is too high or too low.

Vehicle Battery Saver Mode (B SVR)
Shuts off detector 1, 2, or 3 hours if unit location is stationary.

TONE
Three tone options for distinct band alert sounds.

Auto Quiet Mode (AQ)
Reduced audio level approx 5 seconds after a radar signal is detected and any new alert within 20 seconds.

Language (LANG)
Choice of English [EN] or Spanish [SP]

RSID Voice (RSID-V)
Voice confirmation of common Ka speed radar guns.

MENU OPTIONS

Voice
Provides Voice for Band Identification and confirmation of general operation feature selections.

Selectable Bands and Sensitivity
Individual selections of X, K, Ka bands, 3 levels of sensitivity, and Frequency display.

Ka Segmentation (KaSEG)
10 segments can be individually enabled or disabled

33.4 ~ 33.7	34.8 ~ 35.0
33.7 ~ 33.9	35.0 ~ 35.4
33.9 ~ 34.2	35.4 ~ 35.6
34.2 ~ 34.5	35.6 ~ 35.8
34.5 ~ 34.8	35.8 ~ 36.0

Ka POP
Alerts will initially be displayed as “Ka POP” then switch to the band and signal strength

Ka and K Filter (Ka Filter, K Filter 1, K Filter 2)
Reduces alerts due to radar detectors and/or vehicles with radar-based collision avoidance systems.

Traffic Flow Sensor Rejection (TFSR)
When turned ON is designed to eliminate alerts from specific Traffic Flow sensors.

MRCD / MRCT (OFF, ON, EXT)
European K band smart radar system (typically connected to a camera). EXT extends K band lower limit to 23.9GHz.

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 allows you to lock out PPS rates caused by non-speed monitoring devices.

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, 2, and 3 cover laser guns used in North America. If a laser within a group is not used in your area, you may shut off that group in Option Select Mode) by pressing the DARK or QUIET buttons.

GPS / DB / USER ALERTS

GPS
Allows GPS features below. Stealth mode option will enable screensaver if no movement after 1 minute.

Speed Volume (SPDVOL)
Automatically adjusts Audio level from 1 to 8 based upon speed. (Volume level changes every 10MPH).

Speed Selectable Auto Quiet (AQ SPD)
Traveling below this speed will engage Auto Quiet mode.
NOTE: Enter Option mode to set Speed Selective Auto Quiet. (OFF, 5-60 MPH / OFF, 10-100 KPH).

Auto Quiet Volume (AQ VOL)
Select the level of Auto Quiet Volume (0,1,2,3).

Low Speed Quiet (LSQ)
Traveling below this speed will Quiet the selected bands. Choice of X, K, XK, R, L, RL (R=All Radar, L=All Laser)

Speed Selectable City Mode (C-SPD)
Traveling below this speed will apply City mode selected.
NOTE: Enter Option Mode to set C-SPD (OFF, 5-60 MPH / OFF, 10-100 KPH).

Over Speed Alert (O-SPD)
Traveling above this speed will result in an OVER SPEED warning. **NOTE:** Enter Menu Option Mode to set O-SPD (OFF,40-120 MPH / OFF, 60-190 KPH).

Auto Learn / Unlearn XK 📍 Locations
When enabled will learn repeat locations of X and K band radar sources. Once learned will apply Quiet when in the selected radius based on stored details for that location. If the source is on a long straight stretch of road the unit will create a Quiet corridor.

To Auto Learn a location, the unit must be alerting audible at a signal strength level 9 on (3) separate days over a 30-day period. If the unit does not achieve (3) separate days over a 30-day period, information for that location will auto delete.

To Auto Unlearn a location, the unit must be within 100 meters of the stored location on 3 separate days over a 30-day period.

📍 Delete
Stored locations of XK quiet zones can be deleted manually when in a Stored Quiet location by pressing the Quiet button during an X or K band location Quiet event. XK 📍 DEL? will appear briefly, a 2nd press of the Quiet button will delete this location.

Use the Menu option RAD to delete multiple stored locations within the selected radius or choose ALL to delete ALL Stored Quiet locations.

Unit will store up to 300 Quiet locations.

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 word PASS will be shown on the display.

Manual Entry (Waypoint)

Once GPS has a lock, you can save a manual location.
The unit will store up to 300 user alert locations

NOTE: To manually enter a USER LOC, press and hold the Power button for 3 seconds. Manual entries can be manually deleted individually or select a predetermined radius, or All (selected in Option Select Mode).

ADD is displayed when you first add a Waypoint.

EXISTS is displayed when a Waypoint already exists

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

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

PASS is displayed after reaching Waypoint.

UPDATING 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.

Step 2: Download the update program and install on your PC.

https://whistlergroup.com/pages/downloads

NOTE: Program is not MAC compatible.

Step 3: Download and save the database .cdb file 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 Micro USB cable.

UPDATING FIRMWARE

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.

Step 2: Download the update program and install on your PC.

https://whistlergroup.com/pages/downloads

NOTE: Program is not MAC compatible.

Step 3: Download and save the firmware .bin file 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 .bin 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 “FW Update” button on the update program and locate the saved file from Step 3. 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 Micro USB cable.

Step 7: Apply a Factory reset to your detector.

IMPORTANT: Apply a Factory Reset to your detector after updating the Firmware.

UPDATING DSP

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.

Step 2: Download the update program and install on your PC.

https://whistlergroup.com/pages/downloads

NOTE: Program is not MAC compatible.

Step 3: Download and save the DSP .ldr file 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 .ldr 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 “DSP 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 Micro USB cable.

RADAR FEATURES

S1 – PWR / QUIET / WAYPT / USER / CITY / DIM

S2 – PWR / QUIET / WAYPT / USER / CITY / DIM

USER – AAAAA / BBBBB / CCCCC

LED – OFF / ON / Blink

B VOLT – OFF / ON

B SVR – OFF / 1H / 2H / 3H

TONE – 1 / 2 / 3

AQ – OFF / ON

LANG – EN / SP

RSID-V – OFF / ON

VOICE – OFF / ON

LASER – OFF / ON / LSID (3 Segments – N / Y)

X/K/Ka Bands – SENSITIVITY / OFF / ON / FREQ

Ka Seg – OFF / ON (10 Segments) N / Y

Ka POP – OFF / ON

Ka FLTR – OFF / ON

K FLTR – OFF / 1 / 2

TFSR – OFF / ON

MRCD – OFF / ON / EXT

MRCT – OFF / ON / EXT

GPS FEATURES

GPS – OFF, ON, Stealth
GMT – (1-hour increments -11 thru +12)
DST – OFF / ON
A-DIM – (1-hour increments pm thru am)
SPD – MPH / KPH
CLOCK – OFF / ON
DISP – CLOCK / VOLT
COMPASS – N / Y
SPDVOL – OFF / ON
AQ SPD – OFF / 5 thru 60
AQ VOL – 0 / 1 / 2 / 3
LSQ – OFF / 5 thru 40
C-SPD – OFF / 5 thru 60
O-SPD – OFF / 40 thru 120
HSPD – Saves Highest Speed
DB ALERT – N / Y
UserLOC – N / Y
RAD – 200 / 400 / 600 / 800 / 1000
D-RAD – RAD / ALL
XK RAD – OFF / 200 / 300 / 400 / 500 / 600
D-XK – RAD / ALL
GPS STATS
FW / DSP / DB VERSIONS
RESET USER (CURRENT USER)
FACTORY RESET (ALL USERS)

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 Highway Mode
Dim/Dark Mode – Full illumination of display
Auto Quiet Mode – OFF
S1: QUIET
S2: POWER
USER: AAAAA / BBBBB / CCCCC
LED: Blink
B Volt: ON
B SVR: 1H
TONE: 3
AQ :ON
LANG: EN
RSID-V: ON
Voice: ON
Laser: LSID
Laser Segments: (ALL) Y

FACTORY RESET

X, K, Ka Bands: ON
X, K, Ka Sensitivity: High
Ka Segmentation: OFF
Ka POP™: OFF
Ka FLTR: OFF
K FLTR: 1
TFSR: OFF
MRCD / MRCT: OFF
GPS: ON
GMT: -5
DST: OFF
Auto Dim: 7P7A
Speed Units (SPD): MPH
Clock: ON
DISPLAY (DISP) CLOCK
Compass: Y
Speed Volume (SPDVOL): OFF
Auto Quiet Speed (AQ SPD): OFF
Auto Quiet Volume (AQ VOL): 1
Low Speed Quiet: XK OFF
City Speed (C-SPD): OFF
Overspeed (O-SPD): OFF
Highest Speed (HSPD): 0
Database Alert (DB Alert): Y
User Location Alert (UserLOC): Y
Alarm Radius (RAD): 400
Delete Radius (D-RAD): RAD
XK 📍 RAD: OFF
Delete XK 📍 : RAD

OPTION SELECT

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	To Change: D = Dark Q = Quiet	Option / Description
S1	D or Q to select	Quiet, Power, Dim, City, User, Waypt
S2	D or Q to select	Quiet, Power, Dim, City, User, Waypt
USER	D or Q to select	User A, User B, User C (See "USER Menu Options for customization)
Alert LED	D or Q to select	Off, On or Blinking
Batt Volt Alert	D = ON, Q = OFF	Alert battery too Low / too Hi
Battery Saver	D or Q to select	OFF, 1H, 2H, 3H
Tone	D or Q to select	Tone Options 1, 2, 3
AQ	D = ON, Q = OFF	OFF, ON
LANG	D = EN, Q = SP	English or Spanish
RSID-V	D = ON, Q = OFF	Ka Radar Signature ID Voice
Voice	D = ON, Q = OFF	OFF, ON
Laser	D or Q to select	OFF, ON, LSID
.02 ~.95	D = Yes, Q = No	Laser Area 1
2.6 ~3.2	D = Yes, Q = No	Laser Area 2
3.8 ~4.2	D = Yes, Q = No	Laser Area 3

OPTION SELECT

Feature	To Change: D = Dark Q = Quiet	Option / Description
X	D or Q to select Vol+ / Vol- sets Sens	OFF, ON, Frequency Vol = sets Sens L, M, H
K	D or Q to select Vol+ / Vol- sets Sens	OFF, ON, Frequency Vol = sets Sens L, M, H
Ka	D or Q to select Vol+ / Vol- sets Sens	OFF, ON, Frequency Vol = sets Sens L, M, H
Ka Seg	D = ON, Q = OFF	When ON, 10 segments proceed Ka Seg can be individually selected
Ka POP™	D = ON, Q = OFF	Ka response if 67ms burst at 33.8GHz
Ka Filter	D = ON, Q = OFF	When enabled, adds additional filter
K Filter	D or Q to select	OFF, Filter 1, Filter 2
TFSR	D = ON, Q = OFF	When enabled, ignores 0.5 sec pulsed K band traffic flow systems
MRCD	D or Q to select	OFF, ON, EXT
MRCT	D or Q to select	OFF, ON, EXT

GPS must be ON or STLTH to display the GPS related features!

GPS	D or Q to select	OFF, ON, Stealth
GMT	D or Q to select	Change time zone
DST	D = YES, Q = NO	Daylight Savings in effect
Auto Dim	Vol+ / Vol- to adjust	Vol+ adjust PM time Vol- adjust AM time
Speed Unit	D or Q to select	MPH / KPH

OPTION SELECT

Feature	To Change: D = Dark Q = Quiet	Option / Description
Clock	D = ON, Q = OFF	Clock Enabled
Display	D = Clock, Q = Volt	Choice of Clock or Voltage
Compass mode	D = YES, Q = NO	Provides 8 - point heading arrow based on direction of travel
SPD Volume	D = ON, Q = OFF	Auto adjustment of volume based on speed
AQ Speed	D or Q to select	Low speed limit applies Auto Quiet
AQ Volume	D or Q to select	Select volume level of Auto Quiet
Low Speed Quiet	D or Q to select Vol+ / Vol- sets Band	Low speed limit applies Quiet
City Speed	D or Q to select	Select low speed limit for City to engage
Over Speed	D or Q to select	Select desired speed limit for alert
HSPD	D and Q to clear	Records Highest Speed
DB Alert	D = YES, Q = NO	Alert Database Location Waypt
User Loc Alert	D = YES, Q = NO	Alert Manual User Loc Waypt
Radius	D or Q to select	Alert Waypt 200, 400, 600, 800, 1000
Delete Radius	D or Q to select D and Q to execute	RAD or ALL Delete Waypt Locations
XK 📍 Radius	D and Q to select	OFF, 200, 300, 400, 500, 600
Delete XK 📍	D or Q to select D and Q to execute	RAD or ALL Delete 📍 XK Locations
Reset User	D and Q to execute	Resets current user to factory default
Factory Reset	D and Q to execute	Resets ALL users to factory default

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 resets itself 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 Ka POP to off.
- If alarms are Ka, enable the Ka Filter.
- If alarms are due to radar-based traffic flow sensors or radar-based vehicle blind spot detectors, enable or increase the K Filter.

PROBLEM: Unit did not alert to police car.
- Officer may not be operating radar or laser.
- Check to make sure all radar bands are turned on.
- Check to make sure all laser segments are turned on.

TROUBLESHOOTING

PROBLEM: Unit does not respond to K band Speed sign.
- Some K band speed signs are FMCW and will be rejected by the DSP, this is normal as police radar is CW.

PROBLEM: Audio alerts are not loud enough.
- Check audio level setting.
- Check AQ, AQ SPD, AQ VOL or SPDVOL setting in Option Mode.

PROBLEM: GPS features not working.
- Check to make sure GPS is set to ON or Stealth.

PROBLEM: Laser Falsing
- Move away from electrical items having motors or monitors.

If difficulties occur which cannot be solved by information in this Troubleshooting section, please call before returning your unit for service.

Whistler Customer Service
1-800-531-0004
or visit our Help Center & FAQ page at
www.whistlergroup.com

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. To allow air to pass below the unit, do not place directly on dashboard.

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. 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

FCC ID: HSXWH50
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.

MPORTANT: 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 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: 

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 than 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

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 3 years 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."

WARRANTY INFORMATION

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:

Ship the unit in the original carton or in a suitable sturdy 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!
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 powers on but does not respond to ”radar”).
- A copy of your dated store receipt or bill of sale.

WARRANTY INFORMATION

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

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 remove.

Please contact us directly for an out-of-warranty minimum service fee quote. If you require out-of-warranty service, please return your unit as outlined in the section "Service Under Warranty" after paying the minimum service fee.

WARRANTY INFORMATION

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.

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

Email at: **support@whistlergroup.com** or visit the Help Center & FAQ at **www.whistlergroup.com**.

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)

MRCD/MRCT
24.075 – 24.175 GHz

MRCD/MRCT EXT
23.900 – 24.050 and 24.075 – 24.175 GHz

Laser 904nm +/- 50nm

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

Power Requirements:
Operational 12 to 15 volts DC, 500mA nominal (4 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.
Specifications are subject to change without notice.

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P/N Titan
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