

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!** Now is the time to record the serial number of the unit in the space provided in the warranty section of the manual.

1748



- Feature Listing of 1748**
- All Band™
 - Electronic Compass
 - Easy-to-Understand Real Voice® Alerts - Selectable
 - 360° Total Perimeter Protection™
 - Patented VG-2 Cloaking™ Technology
 - Safety Warning system™
 - 3 City Modes
 - Quiet Mode
 - Vehicle Battery Saver
 - Setting Saver
 - Icon Display
 - Tutorial Mode
 - Stay Alert

INSTALLATION

- Mounting Guidelines**
- Mount the unit as low as possible near the center of the windshield.
 - Do not mount your unit behind wipers, ornaments, mirrored sunscreens, etc. These obstructions have metal surfaces which can affect radar and laser signals and reduce critical warning time. (Regular tinted glass does not affect reception.)
 - Unit must be level for compass to function properly.
 - Some windshields have an "Instaclear" or "Electriclear" type coating, which affect radar signals. Consult your dealer or the owner's manual supplied with your vehicle to determine if your windshield has this coating.
 - Avoid placing unit in direct contact with windshield.
 - To reduce the possibility of theft, conceal your unit when not in use.

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INTRODUCTION

Dear Whistler Owner,

For many of us, a vehicle is more than just transportation. It can be a mobile office, communications or entertainment center, or simply an expression of our personality. Whistler products are designed to make the time you spend in your vehicle more productive, more fulfilling, safer, or just simply more fun. Our mission is to provide products that improve your driving experience.

Your new Whistler laser/radar detector detects all radar, laser and safety radar systems.

To fully acquaint yourself with the operation of the Whistler laser/radar detector and to better understand the differences between detecting radar, laser and safety radar signals, we recommend reading this entire manual or visit our FAQ page on our website **www.whistlergroup.com**

Enjoy your Whistler and please drive safely.

Sincerely,

The Whistler Group, Inc.

- **Note: On 1748 model the compass must be calibrated before use. See compass calibration set-up.**
- **Note: Some units may display "P" instead of "H". Both represent highway mode.**

INSTALLATION

Windshield Mounting

- Install the two suction cups and rubber bumper onto the bracket by fitting them into their holes.
- Press the suction cups onto the windshield at the location you have chosen. **IMPORTANT: Some newer cars have a plastic safety coating on the inside of the windshield. The windshield bracket may leave permanent marks on this type of surface. To find out if your vehicle has this type of windshield, check the owner's manual or ask your dealer. We recommend that you do not leave the suction cup bracket on the window in direct sunlight. If the detector is removed, this may cause blistering of the dash in some vehicles.**
- Slide the detector onto the bracket until it locks into place.
- If necessary, the unit may be leveled by bending the windshield bracket. Press the bracket release button and remove the detector before bending.

Power Connection

- Plug the small end of the power cord into the unit's power jack.
- Plug the large end into the vehicle's cigarette lighter.

Fuse Replacement

The lighter socket plug is equipped with a replaceable 2 amp, 3AG 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.**

Unscrew the tip of the lighter socket plug carefully when replacing the 2 amp fuse.

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OPERATION

Compass Calibration Set-Up (1748 only)

The unit will need to be calibrated in order for the compass to provide accurate readings. To calibrate the unit, perform the following procedure:

1. Mount the unit level in the center of the vehicle's windshield in which it will be used. Make sure there are no other magnetic sources near the detector (i.e., speaker).
2. Select a large clear area (parking lot or field) without any power lines.
3. While parked, press both volume buttons simultaneously until the compass headings start to rotate.



Note: If unit mounting is relocated in the vehicle, (i.e. visor to windshield mounting or dash mounting), or if the unit is moved to another vehicle, you must recalibrate the compass.

Power On And Self-Test

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

Self-Test Mute

Simply press the Quiet button during the self-test sequence to cancel the self-test audio. This will not effect radar/laser alerts. To restore the self-test audio, simply press the Quiet button during the next self-test.

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FEATURE DESCRIPTIONS

Whistler's ergonomic and user-friendly design provides a new level of operating convenience. Special features include:

1. **Bracket Release Button** - Provides quick and easy release of the mounting bracket.
2. **Speaker** - Provides distinct audio and Real Voice™ warnings for X, K, Ka band radar, safety radar, and VG-2.
3. **Mounting Bracket Location** - Slot holds mounting bracket firmly.
4. **Radar Antenna** - Compact, high-efficiency antenna receives radar signals.
5. **Front Laser Antenna** - High gain optical lens provides increased sensitivity and field of view for leading-edge laser detection.
6. **Rear Laser Antenna** - An integrated optical waveguide provides superior detection of laser signals transmitted from behind.
7. **City/City 1/City 2 Button** - Reduces the annoyance of false alerts typically encountered in urban driving areas.
8. **Quiet/Menu 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. Pressing and holding for 2 seconds allows you to enter Option Select Mode (see page 12).
9. **Power / Volume Control** - Turns unit on/off and adjusts audio level.
10. **Volume Up/Down Buttons** - Adjust volume up or down.
11. **Icon Display** - offers easy-to-read letters to indicate power, city mode, radar band identification, and signal strength.
12. **VG-2/Laser Indicator** - Shows the unit is receiving VG-2 or laser signals.
13. **X-band Indicator** - Shows the unit is receiving an X-band signal.

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FEATURE DESCRIPTIONS

K/Ka-band Indicator - Shows the unit is receiving a K or Ka-band signal.

14. K-band Indicator - shows the unit is receiving a K-band signal.

15. Ka-band Indicator - Shows the unit is receiving a Ka band signal.

16. H - Unit is in Highway mode.

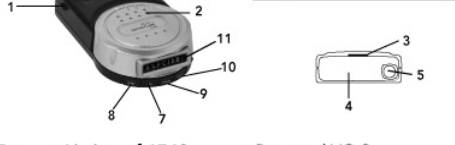
17. C - City Indicator - Shows that the unit is operating in city mode.

18. Signal Strength Indicator - Shows the strength of the signal being detected.

19. Compass - Provides points of direction.

20. Real Voice® Alerts - Alerts are given verbally through the detector so you do not have to take your eyes off the road to look at the display.

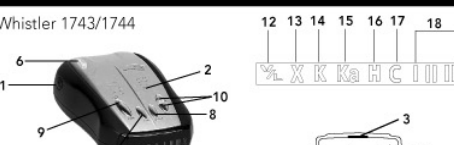
1740



- Feature Listing of 1740**
- All Band™
 - Easy-to-Understand Real Voice® Alerts - Selectable
 - Exclusive Pivoting Display - Better Visibility
 - Easy-to-Access Front Mount Buttons
 - 360° Total Perimeter Protection™
 - Patented VG-2 Cloaking™ Technology
 - Safety Warning system™
 - 3 City Modes
 - Quiet Mode
 - Vehicle Battery Saver
 - Setting Saver
 - Icon Display
 - Stay Alert™
 - Tutorial Mode

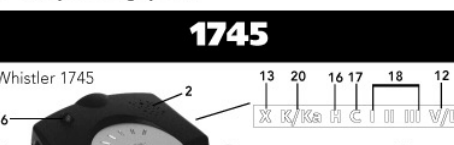
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1743/1744



- Feature Listing of 1743/1744**
- All Band™
 - Easy-to-Understand Real Voice® Alerts - Selectable
 - Exclusive Pivoting Display - Better Visibility
 - Easy-to-Access Front Mount Buttons
 - 360° Total Perimeter Protection™
 - Patented VG-2 Cloaking™ Technology
 - Safety Warning system™
 - 3 City Modes
 - Quiet Mode
 - Vehicle Battery Saver
 - Setting Saver
 - Icon Display
 - Stay Alert™
 - Tutorial Mode

1745



- Feature Listing of 1745**
- All Band™
 - Easy-to-Understand Real Voice® Alerts - Selectable
 - Exclusive Pivoting Display - Better Visibility
 - Easy-to-Access Front Mount Buttons
 - 360° Total Perimeter Protection™
 - Patented VG-2 Cloaking™ Technology
 - Safety Warning system™
 - 3 City Modes
 - Quiet Mode
 - Vehicle Battery Saver
 - Setting Saver
 - Icon Display
 - Stay Alert™
 - Tutorial Mode

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OPERATION

Integrated Real Voice®

When selected, Real Voice will be used to articulate the following:

1. Band Identification
2. Safety Warning System messages
3. Feature Selection

Memory/Beep Confirmation

All features selected (except Stay Alert and Quiet) are retained in memory. Each time a button is pressed one beep confirms feature "on", two beeps confirm feature "off".

Audio Level Adjustment

The audio levels can be adjusted high to low, or low to high, in seven steps:

- Press Volume ▲ up to increase audio level.
- Press Volume ▼ down to decrease audio level.

As audio level is adjusted, beeps are provided and the display indicates volume level. The more "bars" illuminated, the higher the volume.

Auto Quiet Mode

Auto Quiet reduces the selected audio level to a level (1) approximately 5 seconds after a radar or safety radar signal is detected. The alert for any new signal within 20 seconds will resume at level (1). Auto Quiet does not affect VG-2 or laser alerts.

- Press Quiet (before a signal is detected) to engage Auto Quiet. Unit will beep once.
- Once the Auto Quiet mode is engaged, you may cancel the audio alarm by pressing Quiet.
- Press Quiet (when the unit is not alerting) to cancel Auto Quiet mode. Unit will beep twice.

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OPERATION

Quiet Mode

Quiet cancels audio during an alert and any new alert within 20 seconds. After 20 seconds, approximately 2 beeps are provided on any new alert and unit then remains quiet.

- Press Quiet 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.

City/City 1/City 2 Mode

Whistler's Three-Stage City Mode is designed to reduce the annoyance of automatic door openers, intrusion alarms and other devices which share frequencies with police radar.

- Press City to cancel Highway mode and engage City. Display will switch from "H" to "C".

• Pressing City a second time engages City 1. Display reads: **X K/Ka H C I II III V/L CITY 1 MODE**

• Pressing City a third time engages City 2. Display reads: **X K/Ka H C I II III V/L CITY 2 MODE**

Note: After 3 seconds, I or II City Mode indicator turns off.

- Pressing City a fourth time returns to Highway mode. In City Mode, weak speed/safety radar signals give an initial alarm of two beeps, and then the unit remains quiet unless the signal becomes very strong. When the signal strength increases, two additional beeps are provided. In City 1 Mode, only the X band sensitivity is lowered. In City 2 Mode, X-band is not detected.

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OPERATION

CAUTION: Some towns/small cities may still be using X band radar. If Auto Quiet is engaged in City 1 or City 2 modes and the unit receives a strong radar signal, the unit performs the Auto Quiet feature. City Modes do not change the audio alert for laser or VG-2.

Dim/Dark Mode

Dim/Dark Mode reduces the illumination of the display.

- Press and hold Power for 2 seconds to reduce illumination to a Dim setting.
- Pressing and holding the power button for 2 seconds a second time engages Dark Mode. The display illumination is further reduced.

Dim or dark can be engaged during an alert. In Dark Mode, the display goes dark for as long as a signal is being detected and for 20 seconds after, then the display returns to the dimmer setting.

- Pressing and holding the power button a third time restores full illumination to the display.

Engaging/Disengaging VG-2

See option select mode to turn this feature on.

Stay Alert Feature

The Stay Alert Feature is designed to test a driver's alertness. To engage (when unit is not alerting):

- Press and hold City for less than 2 seconds. The "H" or "C" will flash indicating Stay Alert is activated.

Within 30-60 seconds two beeps are sounded; to show alertness, the driver must press either the (Volume), City or Quiet button within 3-5 seconds. If the button is pressed within 3-5 seconds, the cycle is repeated.

If a button was not pressed within 3-5 seconds alarm sounds and the display will flash all LEDs.

- Press Power to cancel Stay Alert.

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OPERATION

WARNING!!! Stay Alert is NOT intended as a substitute for adequate rest. You should NOT operate a vehicle if you are drowsy. During extended periods of vehicle operation, you should take frequent breaks. Improper reliance on the Stay Alert feature may result in vehicle damage, personal injury or death. NEVER OPERATE A VEHICLE IF YOU ARE DROWSY.

Option Select Mode

Entering Option Select Mode allows you to turn on or off VG-2 detection or Voice alerts. **Note:** The unit must not be alerting.

To turn VG-2 detection on/off:

Press and hold the Quiet button until the unit provides a unique beep then release the Quiet button. Unit will say "VG-2" and the V/L light will illuminate briefly. If VG-2 detection is already on, the unit will provide a double beep to indicate VG-2 detection is turned off.

To turn Voice off/on:

Press and hold the Quiet button (greater than 3 seconds) until you hear a double beep then release the Quiet button. Voice alert is now off. If voice alert was already off, the unit will say "CAUTION".

Teach/Tutorial Mode

Provides simulated alerts for each type of signal.

- Press City and Quiet simultaneously and release.
- Press Power to exit.

Vehicle Battery Saver Mode

The Vehicle Battery Saver Mode automatically shuts off your detector within 6 hours if you forget to turn it off. The timer is reset if the detector is turned off.

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OPERATION

Speed Radar Audio/Visual Alerts

When X, K or Ka is detected the band ID and signal strength is displayed. The audio alert is continuous and has a geiger counter-like pattern. The faster the beep the closer or stronger the radar source. Example: **X K/Ka H C I II III V/L**

I = weak signal, III = strong signal

Blinking BAND ID with 3 sec audio warning

After 3 seconds standard alert pattern continues.

Pulse Protection®

When a pulse type signal (instant on strong signal) is detected an urgent 3 second audio warning is sounded and the display shows:

X K/Ka H C I II III V/L

Blinking BAND ID with 3 sec audio warning

After 3 seconds standard alert pattern continues.

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RADAR ALERTS/VG-2

Safety Radar Alerts

In communities where transmitters are located, the Safety Warning System alerts you with 60 voice messages. If a Safety Radar Alert is detected the audio alert is geiger counter-like.

Example: **X K/Ka H C I II III V/L** Blinking

Note: Not all areas have Safety Warning System transmitters.

VG-2 Audio/Visual Alerts

Note: You must turn this feature on in option select mode before it will detect the VG-2 Gun.

When a VG-2 signal is detected, the detector "hides" its own radiated signal and becomes undetectable by the VG-2.

Every 30 seconds, the detector checks for a VG-2 signal. If a VG-2 signal is still present, the unit continues to hide and repeats the VG-2 alert. If no signal is detected, two beeps are provided, indicating an "all clear" condition. During VG-2 Alert X, K, and Ka band signals cannot be received.

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
4. Safety Radar

Example:

If X band is alerting, then suddenly VG-2 is detected, the VG-2 warning will override the X band alert.

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SPEED MONITORING

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 transmission can cover more than a four-lane highway at a distance of 1,000 feet; compared with a laser transmission which covers about 3 feet at the same distance.

For best protection, keep these points in mind:

- Because your vehicle's license plate or headlights are the laser gun's primary targets, mounting your 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 won'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 wavelength of 905 +/- 10nm.

- Pro Laser™ I III III
- LT1 20-20
- Ultra Lyte

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.
- Vascor/Aircor - The time it takes a vehicle to travel a known distance is measured.

Radar Detector Detectors (VG-2)

The Interceptor VG-2, or simply VG-2, is a 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, the VG-2 is known as a "radar detector detector".

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WARRANTY INFORMATION

The VG-2 is the primary tool used by the police to identify radar detector equipped vehicles. If caught, in a state where detectors are illegal, (see page 16), drivers risk losing their radar detector and receiving a fine. In addition, instant-on radar is almost always used in combination with a VG-2, leaving unsuspecting motorists vulnerable to receiving two tickets - one potentially for speeding, the other for possession of a detector.

Having a radar detector capable of detecting the VG-2 may alert you to the presence of a speed trap.

For more information on speed monitoring technologies, please visit our FAQ page on our website: **www.whistlergroup.com**

It is the responsibility of the individual radar detector owner 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, if the housing has been removed, or if the serial number is missing. 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 one year. Whistler is not liable for damages arising from the use, misuse,