

OWNER'S MANUAL

1710/1730

LASER/RADAR DETECTOR

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Rogers, AR 72756
Consumer Relations Tel (800) 531-0004

P/N 1710/1730, © WHISTLER 2001



If you have questions concerning the operation of this Whistler product please call consumer relations:

1-800-531-0004

**Hours:
Monday - Friday
8:00 am - 5:00 pm CST**

Please keep the receipt in a safe place. If the unit is returned without a dated proof of purchase an out of warranty service charge applies.

Note: Your warranty period begins at the time of purchase. The warranty is validated **only** by return of the Warranty Validation card.

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

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 1710/1730 laser/radar detector detects all radar, laser and safety radar systems, plus offers the new Safety Warning System™ technology. This provides advanced warning of various highway hazards in communities where available, enabling you to respond more appropriately to potentially dangerous conditions. The Whistler 1730 also offers the benefit of the VG-2 mode.

To fully acquaint yourself with the operation of the Whistler radar detector and to better understand the differences between detecting radar, laser and safety radar signals, we recommend reading this entire manual.

Enjoy the Whistler 1710/1730 and please drive safely.

Sincerely,

THE WHISTLER GROUP

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WHISTLER FEATURES

Whistler 1730 shown



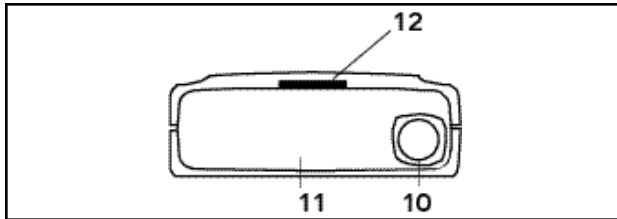
Whistler's ergonomic and user-friendly design provides a new level of operating convenience. Special features include:

- 1. Rear Laser Antenna (1730 only)** – An integrated optical waveguide provides superior detection of laser signals transmitted from behind.
- 2. Bracket Release Button** – Provides quick and easy release of the mounting bracket.
- 3. Power/Volume Control** – Turns unit on/off and adjusts audio level.
- 4. QUIET/Auto Quiet Button** – Pressing QUIET before a signal is detected engages Auto Quiet Mode. Pressing QUIET during a radar/laser encounter silences audio alerts, while allowing visual alerts to keep you informed.

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WHISTLER FEATURES

5. **VG-2 Button** (1730 only) – Engages (one beep) or disengages (2 beeps) VG-2 Cloaking Technology™ for non-detectibility.
6. **CITY Button** – Reduces the annoyance of false alerts typically encountered in urban driving areas.
7. **Speaker** – Provides distinct audio warnings for X, K, Ka band radar, safety radar, laser and the VG-2.
8. **Power Jack** – Provides connection for the power cord.



9. **Radar Antenna** – Compact, high-efficiency antenna receives radar signals.
10. **Laser Antenna (Front)** – High gain optical lens array provides increased sensitivity and field of view for leading-edge laser detection.
11. **Mounting Bracket Location** – Slot holds mounting bracket firmly.

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WHISTLER FEATURES

Accessories

Accessories included are highly functional and easy to use.

Power Cord - Connects to the unit's power jack and your vehicle's lighter socket.

Windshield Bracket - Allows installation of unit on your vehicle's windshield.

Hook & Loop Fasteners - Designed to secure the unit on a level dashboard.

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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.)
- Some newer 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.

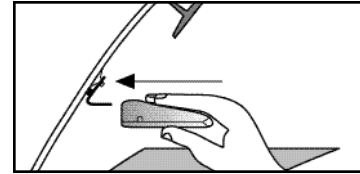
Windshield Mounting

- 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 wind-

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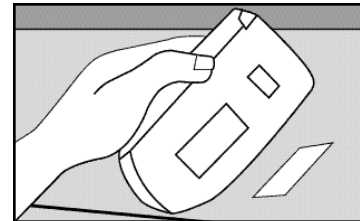
INSTALLATION

shield bracket. Press the bracket release button and remove the detector before bending.



Dash Mounting

- Make sure the mounting location you have chosen is relatively level and is clean and dry. Clean with isopropyl alcohol if necessary to remove any waxes or polishes.
- Separate the fastener strips. Peel the paper backing off each strip and adhere one piece to the dash and the other piece to the bottom of the unit, taking care **not to cover the serial number.**



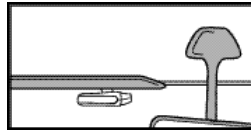
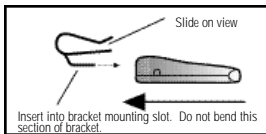
Be careful not to place the fastener strip over the unit's serial number. If the fastener strip is removed, the serial number may be pulled off the unit. Units without serial numbers are not covered under warranty.

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INSTALLATION

Visor Mounting (optional accessory)

- Slide the visor bracket into the bracket mounting slot.
- Clip the visor bracket onto the visor making sure it is relatively level and has a clear view of the road.



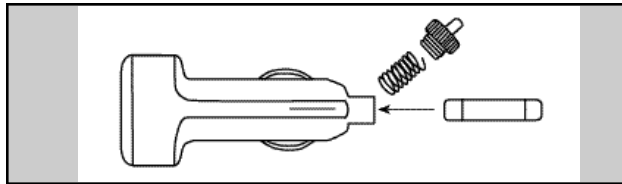
Power Connection

- 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

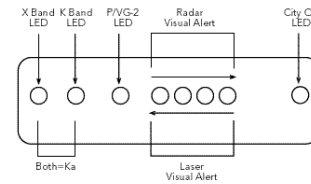
Power On And Self-Test

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

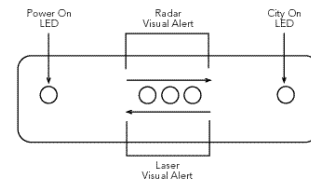
During Power Up, all the LEDs illuminate, while the X, K, and Ka alerts are sounded in sequence. Immediately after the radar alerts, the red LEDs are momentarily canceled, then illuminated from right to left while the laser alert is sounded.

After the laser alert the 1st and 4th (3rd on 1710) alert LEDs flash and the Safety Radar alert is sounded. At the end of the self-test sequence the unit is in the highway mode.

Model 1730



Model 1710



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OPERATION

Feature Engaged Confirmation

Each time a button is pressed one beep confirms feature "on", two beeps confirm feature "off".

Quiet Mode

The QUIET Button accesses one of two muting options.

- **Manual Quiet:** When an audio alert is sounded, you can silence the alarm by pressing QUIET. The only time you can engage/disengage Manual Quiet is during an audio alert.
- **Auto Quiet (1730 only):** Pressing QUIET before a radar signal is detected provides an alternate alert pattern, consisting of four beeps (indicating X, K, Ka or Safety radar) followed by clicking. The clicking will continue for as long as the detected signal is present or any new signal is detected within 20 seconds, becoming more rapid as the strength of the signal increases.

If Auto Quiet is engaged, pressing QUIET while the unit is alarming will cancel the beeps or clicking.

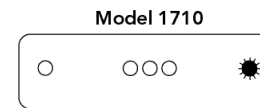
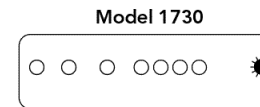
Pressing QUIET a second time when the unit is not alarming will cancel Auto Quiet mode and restore the continuous audio alert pattern.

OPERATION

City Mode

Whistler's 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 engage City. Display shows:



- Pressing City a second time cancels City Mode.

In City Mode, weak speed/safety radar signals give an initial alarm of two beeps, and then remains quiet unless the signal becomes very strong. When the signal strength increases, two additional beeps are provided.

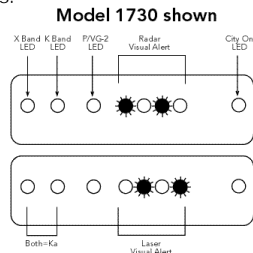
Highway Mode

Highway mode provides full audio warnings any time radar (X, K, Ka, Safety) or laser signals are detected, and is recommended for open road driving. Highway mode is automatically engaged after the unit is turned on and completes the self-test.

OPERATION

Vehicle Battery Saver Mode

The Vehicle Battery Saver Mode automatically shuts off your detector within 3 hours if you forget to turn it off. The timer is reset if the detector is turned off, unplugged or any button is pressed before the 3 hours have expired. The detector will alert you with an audible and visual warning before it shuts off. Display shows:



The Red LEDs flash in an alternating pattern

During this warning you can momentarily reset the unit by pressing any button. This will reset the timer.

If the unit has automatically turned itself off, press any button to turn the unit back on. You can manually engage the Vehicle Battery Saver Mode by pressing and holding the City button until one beep is heard. The auto shutoff function will initiate after several seconds.

RADAR ALERTS

Radar Audio And Visual Alerts

When your Whistler detector encounters traffic radar, it provides a distinctive audio tone for the specific radar band detected: X, K, or Ka. At the same time, LEDs illuminate sequentially from left to right (see page 9). The green and amber LEDs are cancelled during an alert.

The audio alerts are continuous, but have a Geiger counter-like pattern to help you determine your distance from the radar source; the faster the beeping, the closer you are to the transmitting source.

At the same time, illumination of multiple LEDs indicates relative signal strength.

Pulse Protection®

Pulse (or instant-on) radar is more difficult to detect than conventional radar because it remains "off" until activated to measure the speed of a targeted vehicle.

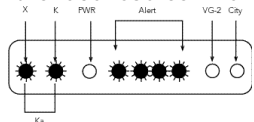
When a pulse type transmission is detected, your Whistler detector sounds an urgent 3-second audio warning and flashes the red LEDs at their fastest rate. After the 3-second pulse alert, the standard alert pattern continues for as long as the signal is present.

It is important to respond promptly to a pulse alert, since warning time may be minimal.

RADAR/LASER ALERTS

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:



1 Alert LED = weak signal, 4 Alert LED's = strong signal

Radar Band Identification (1730 only)

When the Whistler 1730 encounters traffic radar, the Radar Band Indicators confirm the band detected by illuminating one or both of the LEDs as follows:

- X Band — Amber LED Only
- K Band — Red LED Only
- Ka Band — Amber And Red LEDs Illuminate

Laser Audio And Visual Alerts

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! When your Whistler detects a laser signal, the laser audio alert is sounded and the four red LEDs (three red LEDs on 1710) illuminate from right to left for as long as the signal is present, or for a minimum of three seconds.

When the laser signal is no longer detected, the audio warning ends, but the LEDs continue to flash slowly for three seconds, indicating a laser encounter has just occurred.

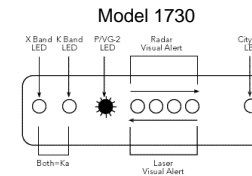
VG-2 ALERTS

VG-2 Detection Mode (1730 only)

The VG-2, also known as a "radar detector detector," is a special receiver used by police to detect signals radiated by a radar detector.

Press the VG-2 button once to engage, unit beeps once. Pressing a second time cancels VG-2 detection mode, unit beeps twice and the VG-2 LED is disengaged.

When a VG-2 signal is detected the P/VG-2 LED flashes rapidly for 3 seconds and the VG-2 alert is sounded. After the 3 seconds the audio is canceled and the P/VG-2 alert LED flashes at a slower rate. This cycle is repeated if the VG-2 signal is again detected.



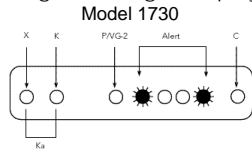
During the period a VG-2 signal is detected, a radar signal cannot be detected. However, because the VG-2 alert has confirmed that a patrol car is nearby, you are already aware of the potential for speed monitoring and can adjust your speed accordingly. Laser detection is not affected while a VG-2 signal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

Note: VG-2 must be turned on to receive VG-2 Alerts.

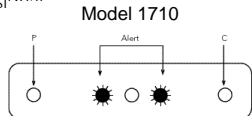
SAFETY RADAR ALERTS

Safety Radar Audio/Visual Alerts

Your Whistler detector detects the new Safety Warning System™. In communities where transmitters are located, this provides advanced warning of various road hazards including accident sites, highway construction, emergency vehicles, etc. and enables you to respond more appropriately to potentially dangerous conditions. When your Whistler detector detects a safety radar signal, it provides a distinctive audio tone and illuminates the first LED and the last LED in the signal strength display.



The first and last LED in the Signal Strength display flash to indicate detection of a Safety radar signal.



The first and last LED in the Signal Strength display flash to indicate detection of a Safety radar signal.

The Safety radar alert is displayed for as long as the signal is present and the audio alert is continuous, but has a Geiger counter like pattern to help you determine your distance from the Safety radar source; the faster the beeping, the closer you are to the source.

CARE & MAINTENANCE

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. The spray may penetrate through the openings and damage the unit. Also, do not use any abrasive cleaners on the unit's exterior.

TROUBLESHOOTING GUIDE

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 manual, but is not operating optimally, please refer to the troubleshooting guide below.

PROBLEM: No display or audio.

- Check fuse in Whistler plug; replace if necessary with a 2 amp 3AG type.
- Check fuse for lighter socket; replace if necessary.
- Make sure lighter socket is clean.

PROBLEM: Unit alarms when vehicle hits bumps.

- Check for loose lighter socket; tighten and clean.
- Check connections at both ends of power cord. Substitute another cord to determine if cord is defective. Return defective cord to the factory.

PROBLEM: Unit alarms when using vehicle equipment, electrical accessories (brakes, power mirrors/windows, directionals, horn, etc.), or when accelerating.

- Vehicle's electrical system, including battery and alternator, may have electrical noise. Install a filter capacitor (470mfd. 25 volt or larger capacitance value) on the back of the lighter socket.

PROBLEM: Audio alerts are not loud enough.

- Cancel Auto Quiet Mode or City Mode.

PROBLEM: Unit gives laser alert when accelerating.

- Possible bad or low quality distributor cap. Replace with factory quality cap.

If difficulties occur which cannot be solved by information in this Troubleshooting Guide, please call Whistler Consumer Relations at 1-800-531-0004 before returning your unit for service.

ARE DETECTORS LEGAL?

In Most States YES!

Laser detectors are completely legal in every state when used in automobiles or light trucks (under 10,000 lbs.). Similarly, when used in automobiles or light trucks, radar detectors are legal in almost every state. Exceptions are Virginia and Washington, D.C., which have local regulations restricting the use of radar receivers in any vehicle. Concerning trucks over 10,000 lbs., the Federal Highway Administration (FHWA) issued a regulation, effective January, 1994 which prohibits radar and laser detector use in these types of vehicles nationally.

Prior to the FHWA regulation, laws existed in the state of New York restricting the use of radar detectors in trucks over 18,000 lbs. and in the state of Illinois in trucks over 26,000 lbs.

SPEED MONITORING TECHNOLOGIES

Radar Facts

A radar gun operates by transmitting radio waves at certain frequencies which reflect off objects and are then 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.

Currently, the FCC (Federal Communications Commission) permits operation of 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).

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 transmission can cover more than a four-lane highway at a distance of 1,000 feet, compared with a laser transmission which covers about 6 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.

SPEED MONITORING TECHNOLOGIES

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 time it takes a vehicle to travel a known distance is measured.

Radar Detector Detectors

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".

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 pg. 19) 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.

Be Advised: Model 1710 radar detector does not detect or hide from the VG-2. Only model 1730 provides VG-2 protection.

WARRANTY INFORMATION

Consumer Warranty

The 1710/1730 Whistler 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, or operation of this product.

Service Under Warranty

During the warranty period, defective units will be repaired or replaced (with the same or a comparable model), at Whistler's option, without charge to the purchaser when returned prepaid, with dated proof of purchase to the address below. Units returned without dated proof of purchase will be handled as described in section "Service Out Of Warranty." Due to the specialized equipment necessary for testing a radar/laser receiver, there are no authorized service stations for Whistler brand detectors other than the factory.

When returning a unit for service under warranty, please follow these instructions:

1. Ship the unit in the original carton or in a suitable sturdy equivalent, fully insured, with return receipt requested, and shipping charges prepaid to:

Whistler Repair Dept.
1201 North Dixieland Rd.
Rogers, AR. 72756

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WARRANTY INFORMATION

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

2. Include with your unit the following information, clearly printed:
 - Your name and street address (for shipping via UPS), and a daytime telephone number. (No P.O. Box please.)
 - A detailed description of the problem (e.g., "Unit performs self-test but does not respond to radar").
 - A copy of your dated proof of purchase 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 following space: s/n _____.

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 proof of purchase and return the Warranty Validation card.

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WARRANTY INFORMATION

Service Out Of Warranty

Units will be repaired at "out of warranty" service rates when:

- The unit's original warranty has expired.
- Dated proof of purchase 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 \$45.00 (U.S.). 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 for \$45.00. Payment may also be made by MasterCard or VISA; personal checks are not accepted. In the event repairs cannot be covered by the minimum \$45.00 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/replaced, 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.

Consumer Relations

If you have questions concerning the operation of your Whistler detector, or require service during or after the warranty period, please call Consumer Relations at 1-800-531-0004. Representatives are available to answer your questions Monday - Friday from 8:00 a.m. to 5:00 p.m. (CST), or email us at info@whistlergroup.com.

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SPECIFICATIONS

- **Dimensions:** 1.25" H x 2.7" W x 3.9" L
- **Weight:** 5.5 oz.
- **Laser Wavelength:**
905 ± 50 nanometers (nm)
- **Radar Frequencies:**
10.500 - 10.550 GHz (X Band)
24.050 - 24.250 GHz (K Band)
33.400 - 36.000 GHz (Ka Superwideband)
- **Operating Temperature Range:**
-20° C to +80° C (-4° F to +176° F)
- **Power Requirements:**
Operational 12 to 15 volts DC, 200mA nominal
Vehicle battery saver, 30mA nominal

Specifications are subject to change without notice.

One or more U.S. Patents may apply:

#4,315,261; #5,146,227; #5,379,456; and #5,990,821.

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ACCESSORIES

The following accessories can be ordered directly from Whistler by calling 1-800-531-0004.

Order Code	Description	Price
202138	Visor Bracket	\$ 6.95
202140	Windshield Bracket Kit	\$ 9.95
206294	*Modular Lighter Plug (Requires 206550 or 206551)	\$ 7.95
206550	*Modular Straight Power Cord (5') (Requires 206294)	\$ 6.95
206551	*Modular Coiled Power Cord (7') (Requires 206294)	\$ 7.95
206552	Straight Power Cord (5')	\$ 14.95
206553	Coiled Power Cord (7')	\$ 15.95
206879	Hook & Loop	\$ 1.95
206880	Hardwire Kit (10') (for wiring to fuse box)	\$ 9.95

*Modular: interconnecting pieces cord and plug.

Shipping and handling (per order) \$5.00

Prices are subject to change without notice.

ACCESSORY ORDER FORM

PLEASE SHIP TO:

Name _____
 Street _____
 City _____ State _____ Zip _____
 Telephone Number (____) _____

Order Code/Description	Quantity	Total Price
		\$
Subtotal		
Sales Tax (if Applicable)		
Shipping and Handling*		\$ 5.00
Total Enclosed		\$

SEND ORDER FORM WITH CERTIFIED CHECK OR MONEY ORDER TO:

Whistler CTS
 PO Box 1844
 Bentonville, AR 72712

IF PAYING BY MASTERCARD OR VISA PLEASE PROVIDE:

Type of Card ___MasterCard ___Visa ___American Express
 Name on Card _____
 Card Number _____
 Expiration Date _____
 Cardholder Signature _____

*For expedited shipping costs, contact Whistler Customer Service, 1-800-531-0004

