

Viper 310 V
Owner's Guide

Limited Lifetime Consumer Warranty

Directed Electronics, Inc. ("Directed") promises to the original purchaser to repair or replace with a comparable reconditioned model any Directed unit (hereafter the "unit"), excluding without limitation the siren, the remote transmitters, the associated sensors and accessories, which proves to be defective in workmanship or material under reasonable use during the lifetime of the vehicle provided the following conditions are met: the unit was professionally installed and serviced by an authorized Directed dealer; the unit will be professionally reinstalled in the vehicle in which it was originally installed by an authorized Directed dealer; and the unit is returned to Directed, shipping prepaid with a legible copy of the bill of sale or other dated proof of purchase bearing the following information: consumer's name, telephone number and address; the authorized dealers name, telephone number and address; complete product description, including accessories; the year, make and model of the vehicle; vehicle license number and vehicle identification number. All components other than the unit, including without limitation the siren, the remote transmitters and the associated sensors and accessories, carry a one-year warranty from the date of purchase of the same. This warranty is non-transferable and is automatically void if: the original purchaser has not completed the warranty card and mailed it within ten (10) days of the date of purchase to the address listed on the card; the unit's date code or serial number is defaced, missing or altered; the unit has been modified or used in a manner contrary to its intended purpose; the unit has been damaged by accident, unreasonable use, neglect, improper service, installation or other causes not arising out of defects in materials or construction. The warranty does not cover damage to the unit caused by installation or removal of the unit. Directed, in its sole discretion, will determine what constitutes excessive damage and may refuse the return of any unit with excessive damage. TO THE MAXIMUM EXTENT ALLOWED BY LAW, ALL WARRANTIES, INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF NON-INFRINGEMENT OF INTELLECTUAL PROPERTY, ARE EXPRESSLY EXCLUDED; AND DIRECTED NEITHER ASSUMES NOR AUTHORIZES ANY PERSON OR ENTITY TO ASSUME FOR IT ANY DUTY, OBLIGATION OR LIABILITY IN CONNECTION WITH ITS PRODUCTS. DIRECTED DISCLAIMS AND HAS ABSOLUTELY NO LIABILITY FOR ANY AND ALL ACTS OF THIRD PARTIES INCLUDING ITS AUTHORIZED DEALERS OR INSTALLERS. DIRECTED SECURITY SYSTEMS, INCLUDING THIS UNIT, ARE DETERRENENTS AGAINST POSSIBLE THEFT. DIRECTED IS NOT OFFERING A GUARANTEE OR INSURANCE AGAINST VANDALISM, DAMAGE OR THEFT OF THE AUTOMOBILE, ITS PARTS OR CONTENTS; AND HEREBY EXPRESSLY DISCLAIMS ANY LIABILITY WHATSOEVER, INCLUDING WITHOUT LIMITATION, LIABILITY FOR THEFT, DAMAGE AND/OR VANDALISM. THIS

WARRANTY DOES NOT COVER LABOR COSTS FOR MAINTENANCE, REMOVAL OR REINSTALLATION OF THE UNIT OR ANY CONSEQUENTIAL DAMAGES OF ANY KIND. IN THE EVENT OF A CLAIM OR A DISPUTE INVOLVING DIRECTED OR ITS SUBSIDIARY, THE PROPER VENUE SHALL BE SAN DIEGO COUNTY IN THE STATE OF CALIFORNIA. CALIFORNIA STATE LAWS AND APPLICABLE FEDERAL LAWS SHALL APPLY AND GOVERN THE DISPUTE. THE MAXIMUM RECOVERY UNDER ANY CLAIM AGAINST DIRECTED SHALL BE STRICTLY LIMITED TO THE AUTHORIZED DIRECTED DEALER'S PURCHASE PRICE OF THE UNIT. DIRECTED SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO, ANY CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, DAMAGES FOR THE LOSS OF TIME, LOSS OF EARNINGS, COMMERCIAL LOSS, LOSS OF ECONOMIC OPPORTUNITY AND THE LIKE. NOTWITHSTANDING THE ABOVE, THE MANUFACTURER DOES OFFER A LIMITED WARRANTY TO REPLACE OR REPAIR THE CONTROL MODULE AS DESCRIBED ABOVE. Some states do not allow limitations on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights and you may also have other rights that vary from State to State.

This product may be covered by a Guaranteed Protection Plan ("GPP"). See your authorized Directed dealer for details of the plan or call Directed Customer Service at 1-800-876-0800. Directed security systems, including this unit, are deterrents against possible theft. Directed is not offering a guarantee or insurance against vandalism, damage or theft of the automobile, its parts or contents; and hereby expressly disclaims any liability whatsoever, including without limitation, liability for theft, damage and/or vandalism. Directed does not and has not authorized any person or entity to create for it any other obligation, promise, duty or obligation in connection with this security system.

Make sure you have all of the following information from your dealer:

A clear copy of the sales receipt, showing the following:

- Date of purchase
- Your full name and address
- Authorized dealer's company name and address
- Type of alarm installed
- Year, make, model and color of the automobile
- Automobile license number
- Vehicle identification number
- All security options installed on automobile
- Installation receipts

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What is Included

- A control module
- Two 3-button remotes
- A zone 2 impact sensor on-board the control module
- A high-powered siren
- A fault-proof starter interrupt on-board the control module
- An LED system status indicator
- A push-button Valet® switch

Important Information

Congratulations on the purchase of your state-of-the-art vehicle security system. This system has been designed to provide years of trouble-free operation. By carefully reading this guide prior to using your system, you will maximize the use of this product and its features.

System Maintenance

Your vehicle security system has no specific maintenance requirements. The remote is powered by a lightweight 3-volt lithium battery that will last approximately one year under normal use. When the battery begins to weaken, the LED on the remote will dim and you will notice reduced operating range when using the remote. To access the battery for replacement, remove the rear cover of the remote with a small, flat-blade screwdriver.

Your Warranty

Your warranty card must be returned and the barcode serial number must not be removed. If the warranty card is not returned, no warranty will be honored on your unit. It is also necessary to keep your proof of purchase, which reflects that the product was installed by an authorized dealer. Make sure you receive the warranty card from your dealer.

FCC/ID Notice

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


Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

[Remote Functions]

This system is programmable, making it possible to assign any remote button to any specific receiver function. The remote initially comes programmed with Standard Configuration, but may also be customized by an authorized dealer. The buttons in all of the instructions in this manual correspond to a Standard Configuration remote.

Standard Configuration

Button

The arm/disarm/panic functions are usually controlled by  .

AUX Button

An optional accessory function (such as trunk release), remote-controlled silent arm/disarm, and remote-controlled Valet® are usually controlled by **AUX** . (Silent arm/disarm and remote-controlled Valet® work by pressing **AUX** for less than one second. An optional accessory can be controlled by pressing and holding **AUX** for 1.5 seconds.)




This accessory output controls _____.

and **AUX** Buttons

Press these two buttons simultaneously to activate another optional accessory.

This accessory output controls _____.


Button

If you are threatened in or near your vehicle, you can press  for 1.5 seconds to trigger Panic Mode on your security system and attract attention. The siren will sound and the parking lights will flash for 30-seconds. To stop Panic Mode at any time, press , or  on the remote.

[**Using Your System**]

The remote buttons indicated in this manual correspond to a standard configuration remote, unless otherwise specified.

Arming

You can arm the security system by pressing  for one second. When the system arms, you will hear a short siren sound (chirp) and the parking lights will flash once. If the power door locks are controlled by the system, the doors will also lock. Once armed, the LED system status indicator will flash once per second to indicate that the system is actively protecting your vehicle. If you hear a second chirp after arming and notice that the LED system status indicator is flashing in a grouped pattern, this signals Bypass Notification. Bypass Notification is described in detail in the Diagnostics section of this manual.

Your security system can also be programmed for Passive Arming. With Passive Arming, the system automatically arms itself 30 sec-


onds after the ignition has been turned off and the last door has been closed. During the 30-second Passive Arming countdown, the LED system status indicator will flash twice as fast as it does when the system is armed. If the system is programmed for Passive Arming, care must be taken to prevent the keys from being locked in the vehicle.

NOTE: If any protected entry point, such as a door or switch-protected trunk or hood, is open, Passive Arming will not engage. Additionally, each time a sensor is triggered during the Passive Arming countdown, the countdown starts over.

Arming your security system protects your vehicle to the following degrees:

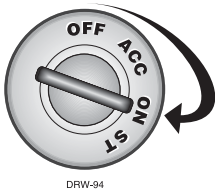
- Light impacts trigger a **warn-away** response, causing the siren to chirp and the parking lights to flash for a few seconds.
- Heavy impacts trip a **trigger sequence**, which consists of the siren sounding continuously and the parking lights flashing for 30 seconds.
- If a door is opened, the siren immediately starts chirping and the parking lights start flashing to provide an instant response. Three seconds later, the siren output changes to a continuous blast. This two-stage **progressive response** allows you time to disarm the security system with your remote, in case the door is inadvertently opened while the system is armed.
- Turning on the ignition key triggers the same two-stage progressive response as opening a door.
- The fault-proof starter interrupt prevents the vehicle's starter from cranking.

Disarming

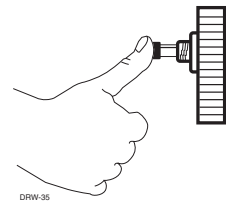
Press  to disarm the security system when it is already armed. If the power locks are controlled by the system, the doors will also unlock. Disarming is confirmed when the parking lights flash twice and the siren emits two chirps. The LED system status indicator will also stop flashing. The siren chirping either four or five times when disarming indicates Tamper Alert, which is described in the Diagnostics section of this guide.

Disarming Without a Remote

If your remote is lost or damaged, you can manually disarm your vehicle security system. To disarm the system without a remote, you must have the vehicle's ignition key and know where the Valet[®] switch is located. Be sure to check with your installer at the time of installation for the location of the Valet[®] switch.






To disarm the security system, turn the ignition key on and press the Valet[®] switch within 15 seconds. The system should



now disarm. If the system does not disarm, you may have waited too long to press the Valet[®] switch; turn the ignition off and repeat the process.

Location of Valet[®] Switch

Panic Mode

If you are threatened in or near your vehicle, you can press  for 1.5 seconds to trigger Panic Mode on your security system and attract attention. The siren will sound and the parking lights will flash for 30 seconds. To stop the Panic Mode at any time, press  .or  again.

Remote-Controlled Silent Arm/Disarm

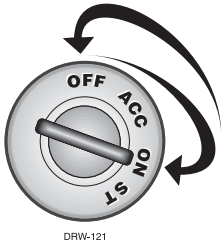
Use remote-controlled silent arm/disarm to temporarily turn off the arm or disarm chirps by briefly pressing **AUX** before either arming or disarming. The confirmation chirp(s) will then be eliminated for that one operation only. To permanently turn off the arm and disarm chirps, contact your installation dealer.

NOTE: The warn-away response to lighter impacts is bypassed if the system is armed using remote-controlled silent arm/disarm. This ensures that the siren does not chirp in an environment where you do not want chirps to be emitted. The system is still capable of being triggered by heavier impacts; only the warn-away response generated by light impacts is bypassed.

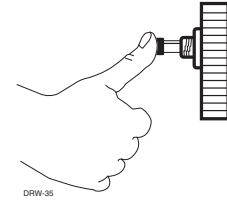
Valet® Mode

Valet® Mode prevents your security system from arming and triggering either automatically or with the remote. In Valet® Mode, the system will not arm, but all convenience functions (door locks, trunk release, etc.) remain operational. This feature is useful when washing or servicing your vehicle. You can access Valet® Mode either manually or from the remote.

To enter or exit Valet® Mode with the Valet® switch:







1. Turn the ignition on.
2. Turn the ignition off.
3. Press and release the Valet® switch within 10 seconds.



The LED system status indicator will light solidly if you are entering Valet® Mode and will turn off if you are exiting Valet® Mode.

Remote-Controlled Valet®

You can also enter or exit Valet® Mode by using the remote:

1. Open any vehicle door.
2. Press /  .
3. Press **AUX** .
4. Press /  again.

The LED system status indicator will light solidly if you have entered Valet® Mode and will turn off if you have exited Valet® Mode.

Nuisance Prevention® Circuitry

Your security system has Nuisance Prevention Circuitry™ (NPC™) to prevent annoying false alarms. This circuitry is designed to prevent repetitive trigger sequences due to faulty door pinswitches or environmental conditions such as thunder, jackhammers, airport noise, etc.

Here's how it works: If the alarm is triggered by the same sensor or switch three times within a 60 minute period, your system inter-

prets this pattern of triggers as false alarms. After the third trigger, the NPC™ ignores, or bypasses, that sensor or switch (along with any other sensors or switches sharing the same zone) for 60 minutes. If the bypassed sensor is triggered again while it is already being bypassed, the 60-minute bypass period will start over. This ensures that a sensor that is continually being triggered will remain bypassed.

The vehicle doors are protected differently by NPC™. If your security system is triggered by an open door for three, full 30-second cycles (one and one half minutes), the system will bypass the doors until the trigger ceases.

NOTE: Arming and disarming the system does not reset the NPC™. The only ways to reset a bypassed zone are for that zone not to be triggered for 60 minutes or to turn the ignition key on. When testing your system, it is important to remember that NPC™ can cause zones to be bypassed and appear to not work. If five chirps are heard when disarming the system, NPC™ has been engaged. To clear the NPC™ memory, simply turn the ignition key on.

[**Diagnostics**]

The microprocessor at the heart of your system has the ability to constantly monitor all of the switches and sensors connected to it. It can detect any faulty switches or sensors and prevent them from disabling the entire system. It can also record and report any triggers that occur when you are away from your vehicle.

Arming Diagnostics

If the system is armed at the same time that an input is active (door opening, sensor triggering, etc.), you will hear one chirp to indicate arming and a second chirp a few seconds later to indicate Bypass Notification. A Bypass Notification chirp means that the system ignores the input that was active when the system was armed, until that input ceases. Three seconds after that input ceases, the system will resume normal monitoring. For example, if your vehicle has an interior light exit delay and you arm the system before the light turns off, you may hear a Bypass Notification chirp. Three seconds after the light turns off, however, normal monitoring resumes.

NOTE: Bypass Notification does not occur when the system is in remote-controlled silent arm/disarm mode or if the chirps have been programmed not to sound.

Disarming Diagnostics

Your system has a Tamper Alert feature that notifies you of system triggers that occur while you are away from your vehicle. If you hear four chirps when you disarm, this indicates that the system was triggered in your absence. If you hear five chirps when you disarm, this indicates that a specific zone was triggered so many times that the NPC™ has bypassed that zone. In both cases, the pattern of the flashing LED system status indicator indicates which zone was triggered (see Table of Zones). The LED does not, however, report when warn-away responses have activated; it only reports triggered sequences. The system retains this information in

its memory and will continue to chirp four or five times each time the system is disarmed, until the next time the ignition is turned on.


Table of Zones

A zone is represented by the number of LED flashes used by the system to identify a particular type of input. Standard input assignments are listed in the following table, along with spaces to write in any optional sensors or switches that you have had installed.

ZONE (Number of LED Flashes)	DESCRIPTION	DEALER-INSTALLED OPTIONS
1	Instant trigger for optional sensor, hood or trunk pins	
2	A heavier impact detected by the on-board impact sensor	
3	Door switch trigger	
5	Ignition trigger	

NOTE: The LED does not report when the warn-away response has been activated; it only reports triggered sequences.

Code Hopping™ Technology

The receiver and remote use mathematical formulas called algorithms to change their codes each time the remote is used. This Code Hopping™ Technology has been developed to increase the security of the unit. By following this set code sequence, the receiver and remote stay synchronized, even if the remote is used out of range of the vehicle. If, however, the remote is pressed many times out of range, or the battery is removed, the remote may get temporarily out of sync and fail to operate the system. To resynchronize the remote, simply press  several times within range of the vehicle. The system will automatically resynchronize and the remote will respond normally.

High Frequency

Your system transmits and receives at 434 MHz. This provides a cleaner spectrum with less interference and a more stable signal. Enjoy a phenomenal increase in range, even in areas with high radio interference.

[Programming Options]

Programming options control your system's normal, operational set-up. Most options do not require additional parts, but some may require installation labor.

This system's programming options are listed below, with the factory default settings in **bold**:

- **Active arming** (only with the remote) or passive arming (automatic arming 30 seconds after the last vehicle door is closed).
- **Active door locking** (only when arming with the remote) or passive door locking (selectable only when Passive Arming has been programmed).
- Arming and disarming confirmation siren chirps can be programmed **on** or off.
- Ignition controlled door lock feature, **on** or off. With this feature on, the doors will lock three seconds after the ignition key is turned on, and unlock when the ignition is turned off. The system also prevents the doors from locking when the ignition is turned on while any vehicle door is open.

[Security & Convenience Expansions]

Listed below are some of the many expansion options available for use with your system. Please consult your dealer for a detailed explanation of all the available options.

Audio Sensor: Metal on glass, glass cracking, and breaking glass produce distinctive acoustic signatures. The 506T audio sensor uses a microphone to detect these sounds, and then analyzes them with proprietary acoustic software to determine if the glass has been tampered with or broken.

Backup Battery: The 520T Backup Battery ensures that the system stays armed, triggers the alarm and keeps the optional starter interrupt active if main battery power is disconnected.

Field Disturbance Sensor: An invisible dome of coverage is established by the 508D "radar" sensor. Your security system will respond to any intrusions into this field by initiating the triggered sequence.

Power Locks: This system offers lock outputs that can control most manufacturers' power door lock systems. For other systems, additional parts may be required.

Power Trunk Release: The **AUX** output of the system can operate a factory power release for the vehicle's trunk or hatch. An optional relay is required. If the factory release is not power-acti-

vated, then Directed Electronics, Inc.'s 522T trunk release solenoid can be added in most cases.

Power Window Control: Automatic power window control is provided with the 529T and 530T systems. These options operate power windows, by rolling them up, down, or both up and down. The 530T also offers one-touch switch operation.

Valet® Start System: For the ultimate in convenience, the Valet® Start System can start your vehicle, monitor engine functions and activate your climate control system with a push of a button! Over-rev protection, open-hood lockout, brake pedal shutoff and automatic timer shutoff are included. (This option is available only for fuel-injected, automatic-transmission vehicles.)

[Installation Options]

Installation options may require additional parts or labor. Please consult your dealer.

Interior Light Illumination: The interior domelight can be configured to illuminate for 30 seconds after the alarm is disarmed. If the system is rearmed during that 30-second period, the interior light illumination will terminate until the alarm is disarmed again. This option may require a relay to be added to some vehicles.

[Glossary of Terms]

Control Module: The "brain" of your security system. Usually hidden underneath the dash area of the vehicle. It houses the micro-processor that monitors your vehicle and controls all of the security system's functions.

Fault-Proof Starter Interrupt: Located on-board the control module, this is an automatic switch controlled by the security system that prevents the starter from cranking whenever the system is armed. The vehicle is never prevented from cranking when the system is disarmed, in Valet® Mode, or if the starter interrupt fails.

Impact Sensor: A dual-stage shock sensor, located on-board the control module, that detects impacts to the vehicle.

Input: Any physical connection to the security system. An input can be provided through a sensor, pinswitch or by existing systems in the vehicle, such as ignition or courtesy lights.

LED: A red light mounted inside the vehicle, at a location determined by the installer. The LED indicates the status of your system and also reports triggers and faults in the system or sensors.

Siren: A noise generating device, usually installed in the engine compartment of the vehicle. The siren generates the chirps and tones heard when the system is triggered.

Remote: A hand-held, transmitter control that operates the various functions of the security system.

Trigger or Triggered Sequence: The "setting off" or "tripping" of the alarm. A triggered sequence consists of the siren sounding and the parking lights flashing for 30 seconds.

Valet[®] Switch: A small, push-button switch mounted inside the vehicle, at a location determined by the installer. This switch is used to override the alarm when a remote is lost or damaged, or can be used to put the system into Valet[®] Mode.

Warn-Away Response: Light impacts to the vehicle generate the warn-away response, which consists of several seconds of siren chirps and flashing parking lights.



Zone: A zone is a separate input that the alarm recognizes as unique. Each input to the system is connected to a particular zone. Two or more inputs may share the same zone.

QUICK REFERENCE GUIDE



Cut along dotted line and fold for a quick and easy reference to keep in your purse or wallet.



To arm using your remote:

- Press /  on your remote for one second. When the system arms, you will hear a short siren sound, or chirp, and see the parking lights flash once. If the vehicle's power door locks are controlled by the system, the doors will lock.

Disarming:

- Press /  again. You will hear two chirps, and the parking lights will flash twice. If the power door locks are controlled by the system, the doors will unlock.





Disarming without a remote:

- Turn on the ignition. Press the Valet[®] switch within 15 seconds. The system should now disarm. If it does not disarm, you may have waited too long to press the Valet[®] switch; turn the ignition off and on and try again.

Remote-controlled silent arm/disarm:

- Press **AUX** briefly before arming or disarming, and the confirmation chirp(s) will be eliminated for that one operation only.





Panic Mode:

- Press  for 1.5 seconds, and you will enter Panic Mode. The siren will sound and the parking lights will flash for 30 seconds. To stop Panic Mode at any time, press  or /  on the remote again.

To enter or exit Valet[®] Mode with the Valet[®] switch:

- Turn the ignition to the ON position, then turn to the OFF position. Press and release the Valet[®] switch within 10 seconds.

Remote-controlled Valet[®]:

- You can also enter or exit Valet[®] Mode by using the remote. First, open any vehicle door. Then press / . Press **AUX**. Press /  again. The LED system status indicator will light solidly if you have entered Valet[®] Mode and will turn off if you have exited Valet[®] Mode.

The company behind this system is Directed Electronics.

Since its inception, Directed Electronics, Inc. has had one purpose, to provide consumers with the finest vehicle security and car stereo products and accessories available. The recipient of nearly 100 patents and Innovations Awards in the field of advanced electronic technology, Directed Electronics, Inc. is ISO 9001 registered.

Quality Directed Electronics products are sold and serviced throughout North America and around the world.

Call **(800) 361-7271** for more information about our products and services.



DEI is an ISO 9001 registered company.

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and
services that excite and delight our customers.

Directed[®]
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