

Vehicle Security System

Model 3901V / 3902V / 3903V

Owner's Guide

Limited consumer warranty

For a period of one calendar year from the date of purchase of this auto-security device, Directed Electronics, (Directed) promises to the ORIGINAL PURCHASER to repair or replace (at Directed's election) 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, provided the following conditions (herein "Conditions") are met: the unit was purchased from an authorized Directed dealer; 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 dealer's 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 UNITS RECEIVED BY DIRECTED FOR WARRANTY REPAIR WITHOUT PROOF OF PURCHASE WILL BE DENIED.

After the first calendar year, from the date of purchase of the unit, Directed, promises to the ORIGINAL PURCHASER to repair or replace, (at Directed's sole and absolute discretion) with a comparable reconditioned model any unit which proves to be defective in workmanship or material under reasonable use FOR A CHARGE OF \$45.00, SO LONG AS THE AFOREMENTIONED CONDITIONS HAVE BEEN MET. The unit must be returned to Directed, postage pre-paid, along with a legible copy of the receipt (including the information below) and a cashier's check or money order made payable to Directed Electronics in the amount of \$45.00.

This warranty is non-transferable and is automatically void if the unit has been modified or used in a manner contrary to its intended purpose, or if the unit has been damaged by accident, unreasonable use, neglect, improper service or other causes not arising out of defects in materials or construction. This warranty does not cover damage to the unit caused by installation or removal of the unit. This warranty does not cover labor costs for the removal, diagnosis, troubleshooting or reinstallation of the unit. For service on an out-of-warranty product a flat rate fee by model is charged. Contact your authorized dealer to obtain the service charge for your unit.

These security systems are a deterrent against possible theft. Directed is not offering a guarantee or insuring against vandalism, damage or theft of the automobile or its parts or contents and Directed hereby disclaims any liability whatsoever, including without limitation, liability for damage, vandalism and/or theft of the vehicle, parts and/or its contents. 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. In the event of a claim or a dispute involving Directed or its subsidiary, the venue shall be in San Diego, California.

California state laws and applicable federal law shall apply and govern the dispute.

TO THE MAXIMUM EXTENT ALLOWED BY LAW, ALL WARRANTIES ARE EXCLUDED, INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY AND/OR ANY AND ALL WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND/OR ANY AND ALL WARRANTY OF NON-INFRINGEMENT OF PATENTS, IN THE UNITED STATES OF AMERICA AND/OR ABROAD. 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 OR LIABLE FOR ANY DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO ANY CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, TOWING, REPAIR, REPLACEMENT, DAMAGE TO VEHICLE, DAMAGES FOR LOSS OF TIME, LOSS OF EARNINGS, COMMERCIAL LOSS, LOSS OF ECONOMIC OPPORTUNITY AND THE LIKE. NOTWITHSTANDING THE ABOVE, MANUFACTURER DOES OFFER A LIMITED WARRANTY TO REPLACE OR REPAIR THE UNIT, SO LONG AS THE CONDITIONS ARE MET AS DESCRIBED HEREIN. 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 which vary from state to state. This warranty is void if the unit has not been purchased from Directed, or an authorized Directed dealer, or if the unit has been damaged by accident, unreasonable use, negligence, Acts of God, neglect, improper service, or other causes not arising out of defect in materials or construction. This warranty is only valid for sale of product(s) within the United States of America. Product(s) sold outside of the United States of America are sold "AS-IS," and shall have NO WARRANTY, express or implied.

This product warranty is automatically void if its date code or serial number is defaced, missing, or altered. This warranty will not be valid unless you have completed the warranty card and mailed it to Directed, within 10 days after purchase to the address listed on the warranty registration card.

Make sure you have all of the following information from your authorized Directed dealer: A clear copy of the sales receipt, showing the following:

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

Contents

Limited consumer warranty	i	Nuisance Prevention Circuitry® . . .	8
Trademarks and copyrights	1	Diagnostics	10
What is included	2	Arming diagnostics	10
Important information	2	Disarming diagnostics	10
Using your system	3	table of zones	11
Arming your system	3	Rapid resume logic	11
Armed protection	4	Glossary of terms	12
Disarming	6	Notes	13
Disarming without a transmitter			
.	6		
Valet® mode	7		
Panic mode	7		

Trademarks and copyrights

Code-Hopping™, Directed®, Doubleguard®, FailSafe®, Nuisance Prevention Circuitry®, NPC®, Silent Mode™, Soft Chirp®, Stealth Coding™, Stinger®, Valet®, and Warn Away® are all Trademarks or Registered Trademarks of Directed Electronics, Inc.

What is included

- Control module and harness
- A Stinger® dual stage shock sensor (on-board the control module)
- Pre-wired Valet® switch with integrated red status LED
- Failsafe® Starter Kill relay (if equipped)

Important information

Congratulations on the purchase of your security system. Due to the complexity of this system, it must be installed by an authorized dealer only. Installation of this product by anyone other than an authorized dealer voids the warranty. All dealers are provided with a preprinted dealer certificate to verify that they are authorized.

By carefully reading this Owner's Guide prior to using your system, you will maximize the use of this system and its features.

You can print additional or replacement copies of this manual by accessing the Directed web site at www.xpressvip.com.

Using your system

Arming your system

You can activate, or arm, the system by locking the doors with your factory keyless entry transmitter. When the system arms, you will hear a short siren sound and see the parking lights flash once. While the system is armed, the status LED will flash about twice a second, showing that the system is actively protecting your vehicle. If you hear a second short siren sound after arming, and see the status LED flashing in groups, see Diagnostics section. This extra short siren sound is called Bypass Notification. This means a zone such as a door or trunk is open.

Armed protection

When armed, your vehicle is protected as follows:

- Light impacts to your vehicle will trigger the Warn Away signal. The system will pulse the horn and flash the parking lights for a few seconds.
- Heavy impacts will trigger the system. The triggered sequence is 30 or 60 seconds of constant siren sounding and flashing parking lights.
- If a door is opened, the system will immediately start pulsing the siren and flashing the parking lights. Three seconds later, the siren output changes to a continuous blast. This progressive response gives you time to disarm the system with your transmitter if you inadvertently open the door while the system is armed, while still providing instant response (even if the door is immediately closed).

note: If programmed for instant trigger, the siren will output full trigger response after the door has been opened (see Programming Options)

- Turning on the ignition key triggers the same progressive response as opening a door.
- If equipped, the starter interrupt prevents the vehicle's starter from cranking.

note: The vehicle may already be equipped with a starter interrupt relay from the factory.

Multi-level security arming

(If programmed **ON**)

Multi-Level Security Arming allows the user to select sensors to be active or bypassed when the system is armed. Multi-Level Security Arming can only be accessed if the function is set ON (option 3-2)

By pressing the LOCK button more than once within 3 and 7 seconds of arming the system activates Multi-Level Security Arming. If the LOCK button is pressed again the unit cancels the bypass of the sensors. There are different security levels which can be selected, as follows:

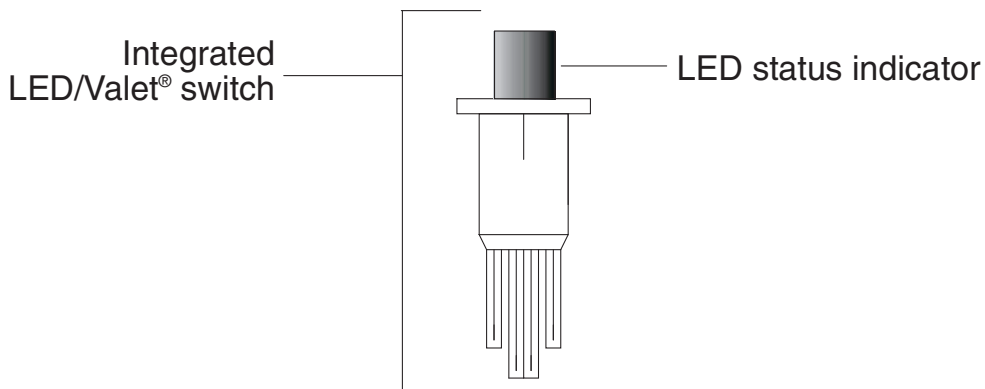
Step	Lock Button pressed	Number of Siren Chirps	Armed State with Zone Bypassed
1	Once	1 Chirp	No Zone Bypassed
2	Twice	3 Chirps, 3 flashes	Zone 2 & 4 Bypassed
3	If the Lock button is pressed again anytime, the system will return to step 1. The user can repeat the steps provided the LOCK button is pressed between 3 and 7 seconds and no other buttons are pressed.		

Disarming

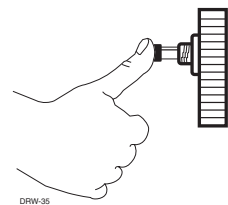
To disarm the system, unlock the doors using your factory keyless transmitter. The siren will sound twice, and the parking lights will flash twice. If the siren sounds either four or five times when disarming, refer to the Diagnostics section of this guide. This is called Tamper Alert.

Disarming without a transmitter

This feature allows you to override the system without the transmitter should it be lost, damaged or disabled. To do this, you must have the vehicle's ignition key and know where the integrated LED/Valet® switch is located. The Valet® switch is activated by pressing the LED status indicator.



Turn the ignition to the "run" position. Press and release the integrated LED/Valet® switch, within 10 seconds. After a few seconds the LED will stop



flashing and the vehicle should start. If it does not, you may have waited too long. Turn the ignition off and try again.

note: The setting for the number of times the integrated LED/Valet® switch must be pressed is set in the Programming Section of this guide.

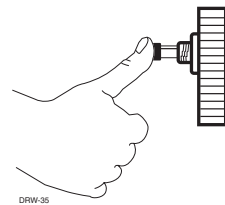
Valet® mode

You can prevent your system from arming, by using Valet® Mode. This is very useful when washing the vehicle or having it serviced. In Valet® Mode, the system will not arm, even with the transmitter, but all convenience functions (door locks, trunk release, etc.) will work normally.

To enter or exit Valet® Mode with the integrated LED/Valet® switch:



Turn the ignition to “on” position, then turn to “off” position. Press and release the integrated LED/Valet® switch within 10 seconds. The status LED will light



steady if you have entered Valet® Mode. To exit Valet® Mode, repeat the steps above. The LED will turn off when exiting Valet® Mode.

Panic mode

(If programmed **On**, Step 3-2)

If you are threatened in or near your vehicle, you can attract attention by triggering the system with your transmitter! If your factory keyless transmitter does not have a panic button, this system can be programmed to enable a panic feature (refer to the Programming Options).

If enabled, just press the lock button on your factory keyless transmitter twice more than once within three seconds 7 seconds to enter Panic Mode.

The siren will sound and the parking lights will flash for 30 seconds. To stop Panic Mode at any time, press the unlock button on your factory transmitter.

note: The system can also be programmed so that pressing the lock button more than once within three and five seconds will activate an optional accessory. If the unit is programmed to activate an optional accessory.

Nuisance Prevention Circuitry®

Your system has Nuisance Prevention Circuitry® (NPC®). This circuitry prevents annoying repetitive trigger sequences due to faulty door pin switches or environmental conditions such as thunder, jackhammers, airport noise, etc.

Here's how it works:

The alarm triggers three times. Each time, the same sensor or switch is triggering the alarm. The three triggers are within 60 minutes of each other. Your system will interpret this pattern of triggers as false alarms. After the third trigger, your system 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 tries to trigger the system while it is being bypassed, the 60-minute bypass period will start over. This ensures that a sensor that is continuously triggering will remain bypassed.

Doors are covered differently: If the alarm is triggered by an open door

for three full cycles (one-and-one-half minutes), the doors will be bypassed until the trigger ceases.

note: Arming and disarming the system does not reset this function! The only ways to reset a bypassed zone are for it to not trigger for 60 minutes or to turn on the ignition. If testing your system, it is important to remember that this circuitry can cause zones to be bypassed and appear to stop working. If five chirps are heard when disarming, false alarm protection has engaged. If you wish to clear the memory, turn the ignition key on.

Diagnostics

The microprocessor at the heart of your system is constantly monitoring all of the switches and sensors connected to it. It detects any faulty switches and sensors and prevents them from disabling the entire system. The microprocessor will also record and report any triggers that occurred during your absence.

Arming diagnostics

If the system is armed with an input active (door open, sensor triggering, etc.) the unit will chirp once when arming and then one more time a few seconds later. This is called bypass notification.

note: Bypass notification will not occur if chirps have been programmed OFF.

The system will ignore the input that was active when it was armed until it goes away. Three seconds later it will monitor that input normally.

Disarming diagnostics

Extra disarm chirps are the tamper alert. If four chirps are heard when disarming, the system was triggered in your absence. If five chirps are heard, a zone was triggered so many times that false alarm prevention circuitry has bypassed that zone. In either case, the status LED will indicate which zone was involved (see Table of Zones section). The system will retain this information in its memory, and chirp four or five times each time it is disarmed, until the next time the ignition key is turned on.

Table of zones

The zone number is the number of LED flashes used by the system to identify that input. The standard input assignments are listed below.

ZONE (Number LED Flashes)	DESCRIPTION
1	Trunk /hood opening
2	Heavy impact - detected by the shock sensor
3	Door switch trigger
4	Optional sensor
5	Ignition input
6	Extra switch input (if installed)

The LED will not report if the Warn Away response is triggered.

Rapid resume logic

This system will store its current state to non-volatile memory. If power is lost and then reconnected the system will recall the stored state from memory. This means if the unit is in Valet® Mode and the battery is disconnected for any reason, such as servicing the car, when the battery is reconnected the unit will still be in Valet® Mode. This applies to all states of the system including arm, disarm, and Valet® Mode.

Glossary of terms

Control Module: The “brain” of your system. Usually hidden underneath the dash area of the vehicle. It houses the microprocessor which monitors your vehicle and controls all of the alarm’s functions.

Failsafe® Starter Kill (if equipped): An automatic switch controlled by the security system which prevents the vehicle’s starter from cranking whenever the system is armed. The vehicle is never prevented from cranking when the system is disarmed, in Valet® Mode, or should the starter kill switch itself fail. Your system is ready for this feature, however installation of this feature may require additional labor.

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.

Integrated LED/Valet® Switch: A small push-button switch with an integrated LED mounted somewhere in the vehicle. The switch is used to override the alarm when a transmitter is lost or damaged, or to put it into Valet® Mode. The LED indicates the status of your system. It is also used to report triggers and faults in the system or sensors. This switch is also used to program optional features.

Warn Away® Response: Light impacts to the vehicle generate the Warn Away® Response, which consists of several seconds of horn honks and flashing parking lights.

Zone: A zone is a separate input that the alarm can recognize as unique. Each input to the system is connected to a particular zone. Often, two or more inputs may share the same zone.



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



QUICK REFERENCE GUIDE:

To arm the system

- You can arm the system by locking the doors with your factory keyless entry transmitter. When the system arms, you will hear a short chirp, and see the parking lights flash once.

To disarm the system

- To disarm the system, unlock the doors using your factory keyless transmitter. You will hear two chirps, and the parking lights will flash twice.

Disarming without a transmitter

- Turn on the ignition. Press the integrated LED/Valet® switch the programmed number of times within 10 seconds. The system should now disarm. If it does not, you may have waited too long. Turn the ignition off and on and try again.

To enter or exit Valet® Mode

- Turn ignition to “run” position, then turn to “off” position. Press and release the integrated LED/Valet® switch within 10 seconds. The status LED will light solid if you are entering Valet® Mode, and it will go out if you are exiting Valet® Mode.

The company behind this system is Directed Electronics, Inc.

Since its inception, Directed Electronics 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 is ISO 9001 registered.

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

Call (800) 274-0200 for more information about our products and services.



Directed Electronics is an ISO 9001 registered company.

Directed Electronics is committed to delivering world class quality products and services that excite and delight our customers.

Directed[®]
E L E C T R O N I C S

Directed Electronics, Inc.

Vista, CA 92081

www.directed.com

© 2007 Directed Electronics, Inc. - All rights reserved

G3901V 2007-09