

# CLIFFORD®

*Vehicle Security System*

Model 330X1 /330X2 /330X3

*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	Table of zones . . . . .	11
Trademarks and copyrights . . . . .	1	Rapid resume logic . . . . .	11
What is included . . . . .	2	Glossary of terms . . . . .	12
Important information . . . . .	2	Notes . . . . .	13
Using your system . . . . .	3	Quick reference guide . . . . .	14
Arming your system . . . . .	3		
Armed protection . . . . .	4		
Disarming . . . . .	5		
Disarming without a transmitter			
. . . . .	5		
Panic mode . . . . .	7		
<b>Nuisance Prevention Circuitry® . . . . .</b>	<b>9</b>		
<b>Diagnostics . . . . .</b>	<b>10</b>		
Arming diagnostics . . . . .	10		
Disarming diagnostics . . . . .	10		

# 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
- Ultrasonic sensor
- Valet® switch
- Pre-wired Blue status LED
- 515 ESP Smart Self-Power siren

## Important information

---

Congratulations on the purchase of your security system. Due to the complexity of this system, it must be installed by an authorised dealer only. Installation of this product by anyone other than an authorised 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](http://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 indicator lights flash once.

While the system is armed, the status LED will flash about twice a second, to indicate 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, this second short siren sound, a Bypass Notification, means a zone such as a door, boot or bonnet is open. Refer to the Diagnostics section for more information.

## Armed protection

When armed, your vehicle is protected as follows:

- If a door is opened, the system will immediately start sounding the siren and flashing the indicator lights.
- By turning on the ignition the siren pulses and the indicator lights flash. Three seconds later the siren sound changes to a continuous blast. This progressive response gives you time to disarm the system using the Valet switch.
- If equipped, the starter interrupt prevents the vehicle's starter from cranking.
- If the Ultrasonic sensors detect interior movement, the system will immediately start sounding the siren and flashing the indicator lights.

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

# Disarming

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

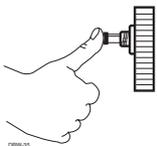
## Disarming without a transmitter

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 Valet® switch is located.

1. Turn the ignition to the "On" position.



2. Enter 4-digit PIN code by turning the ignition On.
3. Press the Valet® button the same number of times as the 1st digit.



4. Turn the ignition Off, and On.

5. Press the button the same number of times as 2nd digit, then turn the ignition Off and On.
6. Press the button same number of times as 3rd digit, then turn the ignition Off and On.
7. Press the button same number of times as 4th digit, then turn the ignition OFF.

If the code was correctly entered the system will disarm.

When armed, if a thief were to try to disarm the vehicle by entering codes at random, the system locks out after the third failed try (indicated by a triple flash sequence of the LED), and then sounds the siren for two minutes.

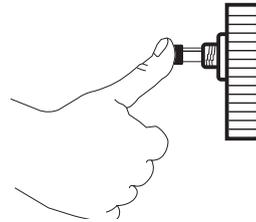
Attempts to enter the code are ignored, even a correct code entry is ignored.

- Press UNLOCK on the remote to silence the siren and disarm.

## 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, boot release, etc.) will work normally.

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



1. Turn the ignition to ON position, and then turn it to the OFF position.
2. Press and release the Valet® button within 10 seconds.
3. The status LED will light steady if you have entered Valet® Mode.
4. To exit Valet® Mode, repeat the steps above. The LED will turn off when exiting Valet® Mode.

## Panic mode

(If programmed **On**, above steps 3-4 )

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.

If enabled, Press the lock button on your factory keyless transmitter two-times, and then press it again within 3 to 7 seconds to enter Panic Mode. The siren will sound and the indicator 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, panic mode cannot be activated.*

# 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 ten times. Each time, the same sensor or switch is triggering the alarm. The ten triggers are within 60 minutes of each other. Your system will interpret this pattern of triggers as false alarms. After the tenth 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 ten 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 way to reset a bypassed zone is 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

When the siren sounds additional chirps when disarming, tamper alert is active. 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.

<b>ZONE</b> (Number LED Flashes)	<b>DESCRIPTION</b>
<b>1</b>	Boot /bonnet opening
<b>2</b>	N/A
<b>3</b>	Door switch trigger
<b>4</b>	Ultrasonic sensor
<b>5</b>	Ignition input
<b>6</b>	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.

**LED:** The LED indicates the status of your system. It is also used to report triggers and faults in the system or sensors.

**Valet® Switch:** A small push-button switch 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.

**Warn Away® Response:** The Warn Away® Response will work if a dual zone microwave was installed and the sensor is capable of detecting it.

**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.



# 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 indicator 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 indicator lights will flash twice.

## Disarming without a transmitter

- Turn On the ignition.
  1. Enter 4-digit PIN code by turning the ignition On, press the button the same number of times as the 1st digit.
  2. Turn the ignition Off, and On.
  3. Press the button same number of times as 2nd digit, turn the ignition Off and On.
  4. Press the button same number of times as 3rd digit, then turn ignition Off and On.
  5. Press button same number of times as 4th digit, then turn the ignition OFF.

If the code was correctly entered the system will disarm.

## To enter or exit Valet<sup>®</sup> Mode

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

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





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***<sup>®</sup>  
**E L E C T R O N I C S**

Directed Electronics, Inc.

Vista, CA 92081

[www.directed.com](http://www.directed.com)

© 2008 Directed Electronics, Inc. - All rights reserved

G330X 2008-02