

# ***440HP***

---

➤ *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 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. 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

# *table of contents*

---

<b>standard transmitter configuration</b>	<b>2</b>
<b>what is included</b>	<b>3</b>
<b>important information</b>	<b>3</b>
system maintenance	4
your warranty	4
fcc/id notice	4
<b>transmitter functions</b>	<b>5</b>
standard configuration	5
<b>using your system</b>	<b>6</b>
locking/arming	6
unlocking/disarming	7
disabling the system without a transmitter	8
silent mode	8
valet mode	9
panic mode	9
<b>owner recognition</b>	<b>10</b>
<b>rapid resume logic</b>	<b>10</b>
<b>programming options</b>	<b>11</b>
<b>glossary of terms</b>	<b>12</b>
<b>security &amp; convenience expansions</b>	<b>12</b>
<b>quick reference guide</b>	<b>14</b>

# *standard transmitter configuration*



controls the **Arm** function.



controls the **Disarm** function.



controls **Silent Mode™** and an **Auxiliary Output**.



controls the **Panic** function.



and



pressed together control an **Auxiliary Output**.

# *what is included*

---

- The control module
- An XHF receiver/antenna
- A pair of four-button transmitters
- The red status LED indicator light
- A push-button Valet<sup>®</sup> switch
- Your warranty registration
- Failsafe<sup>®</sup> Starter Kill Relay

# *important information*

---

Congratulations on the purchase of your remote start keyless entry 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.directed.com](http://www.directed.com).

## → **system maintenance**

The system requires no specific maintenance. Your remote is powered by a small, lightweight 3-volt lithium battery that will last approximately one year under normal use. When the battery begins to weaken, operating range will be reduced and the LED on the remote will dim.

## → **your warranty**

Your warranty registration must be completely filled out and returned within 10 days of purchase. Your product warranty will not be validated if your warranty registration is not returned. Make sure you receive the warranty registration from your dealer. It is also necessary to keep your proof of purchase, which reflects that the product was installed by an authorized 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 undesired operation.

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



# *transmitter functions*

---

The receiver uses a computer-based learn routine to learn the transmitter buttons. This makes it possible to assign any specific transmitter button, or combination of buttons, to any receiver function. The transmitter initially comes programmed with the Standard Configuration, but may also be customized by an authorized dealer. The transmitter buttons indicated in all of the instructions in this manual correspond to a Standard Configuration transmitter.

## **standard configuration**



### **Button**

The locking/arming function is controlled by pressing this button for one second.



### **Button**

The unlocking/disarming function is controlled by pressing this button for one second.



### **Button**

Silent Mode™ and an optional auxiliary function are controlled by this button. (Silent Mode works by pressing this button for less than one second before arming or disarming. An optional auxiliary function, such as trunk release, can be controlled by pressing this button for 1.5 seconds.)

**The auxiliary output controls \_\_\_\_\_.**



## Button

The panic feature is controlled by pressing this button for one second.\*



and



## Buttons


An optional auxiliary convenience or expansion function that you have added to your system can be activated by pressing these buttons simultaneously.

The auxiliary output controls\_\_\_\_\_.

# *using your system*

---

## → locking/arming

Pressing  for one second arms the system by activating the starter kill and locking the doors (if connected). The horn will honk (if connected) and the parking lights will flash once to confirm arming of the system. While the system is armed, the status LED will flash once per second. The Failsafe® Starter Kill (if installed) will also prevent the vehicle's starter from cranking.

**note:** Manually locking the vehicle does not arm the system; it will only lock the doors.


The system can also be programmed to arm the optional Failsafe® Starter Kill automatically (called Passive Mode). If the system has been programmed for Passive Mode, the Failsafe® Starter Kill will automatically activate 30 seconds after the ignition has been

turned off. After the ignition has been turned off, the status LED will flash rapidly to indicate that the system is in Passive Mode.

If Passive Mode has been programmed on, then it is also possible to program the system for Passive Locking. With Passive Locking, the vehicle doors lock automatically at the same time that the Failsafe® Starter Kill is activated. If Passive Locking is programmed on, care must be taken to prevent the keys from being locked in the vehicle.

**note:** For Passive Mode to be effective, the Failsafe® Starter Kill relay must be installed.

## → unlocking/disarming

Pressing  for one second disarms the system and unlocks the doors (if connected). The horn will honk twice (if connected) and the parking lights will flash twice to confirm disarming of the system. The optional Failsafe® Starter Kill will be deactivated. The status LED will turn off, unless the system is programmed for Passive Mode. In Passive Mode, the status LED will flash rapidly when the system is disarmed. This indicates that the system will re-engage the starter kill and re-lock the doors (if Passive Locking has been programmed) in 30 seconds unless the ignition is turned on.

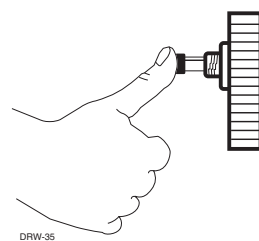
**note:** If the system has been armed with the remote transmitter, you must use the transmitter or the Valet switch to disarm the system and deactivate the starter kill. Manually unlocking the vehicle does not disarm the system; it will only unlock the doors.

## → disabling the system without a transmitter

If your remote transmitter is lost or damaged, you can manually override the system. To do this, you must have the vehicle's ignition key and know where the Valet® switch is located. Be sure to check with the installer for the location of the Valet® switch.



To disarm the security system, the ignition to the ON position. Press and release the Valet switch within 10 seconds. The status LED will stop flashing and the vehicle should start. If the vehicle does not start, you may have waited too long; turn the ignition off and repeat the process.



turn

**Location of Valet Button**\_\_\_\_\_

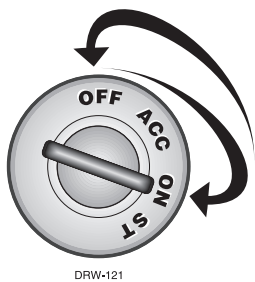
## → silent mode

To temporarily turn off the arm or disarm chirps, use Silent Mode™. Simply press **AUX** for less than one second before arming or disarming, and the confirmation chirp(s) will be eliminated for that one operation only. If you want the arm/disarm chirps turned off permanently, your dealer can do this for you.

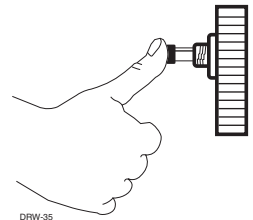
## → valet mode

You can prevent your system from automatically activating the Failsafe® Starter Kill and locking the doors by using Valet® Mode. This is very useful when washing the vehicle or having it serviced. In Valet® Mode, the starter kill cannot be activated, even with the transmitter, but all convenience functions (door locks, remote start, etc.) will continue to work normally.

### To enter or exit Valet® Mode:





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



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

## → panic mode

If you are threatened in or near your vehicle, you can attract attention by triggering the system with your transmitter. Just press  for two seconds to enter Panic Mode. In Panic Mode, the horn will honk and the parking lights will flash for 30 seconds. To stop Panic Mode at any time, press  on the transmitter again.

**note:** In order for Panic Mode to be effective, the vehicle's horn (or optional siren) as well as the vehicle's parking lights must be connected.

## *owner recognition*

---

Owner Recognition is a feature available exclusively from Directed. Using the Directed Bitwriter, a hand-held programming tool, your dealer can program many of the system settings. The programmer makes it possible to program different settings for each transmitter that is used with the system. Then, whenever a specific transmitter is used, the system will recall the settings assigned to that transmitter. Owner Recognition lets up to four users of the system have different settings that meet their specific needs. It is almost like having four separate alarms in your vehicle, one for each user.

**note:** Owner Recognition cannot be programmed without a Directed Bitwriter and the necessary software. Check with your dealer for more information.

## *rapid resume logic*

---

This Directed 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 panic mode.

# *programming options*

---

Programming options control your system's normal, operational set-up. Most options do not require additional parts, but some may require additional installation labor. This system's programming options are listed below, with the factory default settings in **bold**:

- Passive Mode or **Active Mode**. In Passive Mode the Failsafe® Starter Kill will automatically activate 30 seconds after the ignition has been turned off.
- Ignition switch-controlled door-locking **on** or off. With this feature on, the doors will lock 3 seconds after the ignition key is turned on, and unlock when the ignition key is turned off.
- Passive Locking or **Active Locking** (doors lock only with the transmitter). With Passive Locking, the vehicle doors lock automatically 30 seconds after the ignition has been turned off. Passive Locking can only be selected when the system has been programmed for Passive Mode.
- The horn honk confirmations for locking and unlocking can be programmed **on** or off. In order for this feature to work properly, the horn must be connected to the system.
- Domelight supervision when the key is turned off can be programmed on or off. If programmed on, the domelight will turn on for 30 seconds each time the ignition is turned off.

# *glossary of terms*

---

**Control Unit:** The “brain” of your system. Usually hidden under the dash area of the vehicle. It houses the microprocessor that monitors your vehicle and controls all system functions.

**LED:** A red light mounted at a discretionary location inside the vehicle. It is used to indicate the status of your system.

**Starter Interrupt:** An automatic switch controlled by your 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 if the starter interrupt switch itself fails. Your system has feature-ready circuitry for the starter interrupt, however installation may require additional labor.

**Transmitter:** A hand-held, remote control which operates the various functions of your system.

**Valet Switch:** A small button mounted at a discretionary location inside the vehicle. It is used to override the starter interrupt when a transmitter is lost or damaged, or to enter or exit Valet Mode.

## *security & convenience expansions*

Listed below are some of the many expansion options available for use with your system. Some options may require additional parts and/or labor. Please consult with your dealer for a complete list of options available for use with this system.



**Domelight Supervision:** The domelight will illuminate for 30 seconds each time the system is disarmed using the remote. This is useful for seeing inside the vehicle at night prior to entering it.

**Power Door Lock Control:** Your system is capable of controlling many types of power door lock systems; however, some door lock systems may require extra parts. Consult with your dealer to determine which type of locks your vehicle uses. If power locks are connected, the system can be programmed to lock the doors automatically 30 seconds after the ignition has been turned off. The system can also be programmed to lock the doors when the ignition is turned on and to unlock them when the ignition is turned off.


**Power Trunk Release:** The system's auxiliary output can be programmed to operate a factory power release for the vehicle's trunk or hatch. If the factory release is not power-activated, Directed®'s 522T trunk-release solenoid can often be added.

**Power Window Control:** Power window control is provided with Directed®'s 529T or 530T systems. The 529T system will roll up two windows automatically when the system is armed, or roll two windows down by using the transmitter. The 530T will roll two windows both up and down. The 530T also provides one touch switch operation.


**Progressive Door Unlocking:** For added security, your system can be configured to unlock the driver's door only, leaving the passenger doors locked. Pressing the unlock button an additional time will unlock the passenger doors. This option requires additional parts and labor.

## QUICK REFERENCE GUIDE

### To lock/arm using your remote

- To arm the system press  for one second. The doors will lock (if connected). The LED will begin to flash. The Failsafe® Starter Kill will prevent the vehicle's starter from cranking if it has been installed. The vehicle's horn (if connected) will honk and the parking lights will flash once to confirm arming of the system.

### To unlock/disarm using your remote

- To disarm the system press  for one second. The doors will unlock (if connected). The Failsafe® Starter Kill will be deactivated and the vehicle's horn (if connected) will honk twice and the parking lights will flash twice.

### Disabling the Failsafe® Starter Kill without a transmitter

- Turn on the ignition. Press and release the Valet® switch within 10 seconds. The LED will stop flashing and the vehicle should start.


### To enter or exit Valet® Mode

- Turn the ignition to the ON position. Turn the ignition back off. Press and release the Valet® switch within 10 seconds. The status LED will light steadily if you have entered Valet® Mode. To exit Valet® Mode, repeat the steps above. The LED will turn off when exiting Valet® Mode.

### To activate Panic Mode

- Press and hold  for 2 seconds.

### To exit Panic Mode

- Press  on the transmitter.

Location of Valet Switch \_\_\_\_\_

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



Directed Electronics, Inc.  
Vista, CA 92083  
[www.directed.com](http://www.directed.com)

© 2002 Directed Electronics, Inc. - All rights reserved  
G410P 4-02