Model 150ESP Owner's Guide

Limited Lifetime Consumer Warranty

Directed Electronics, Inc. ("DEI") promises to the original purchaser to repair or replace with a comparable reconditioned model any DEI 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 DEI dealer; the unit will be professionally reinstalled in the vehicle in which it was originally installed by an authorized DEI dealer; and the unit is returned to DEI, 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. DEI, 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 WAR-RANTIES, 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 DEI NEITHER ASSUMES NOR AUTHORIZES ANY PERSON OR ENTITY TO ASSUME FOR IT ANY DUTY, OBLIGATION OR LIABILITY IN CONNEC-TION WITH ITS PRODUCTS. DEI DISCLAIMS AND HAS ABSOLUTELY NO LIABILITY FOR ANY AND ALL ACTS OF THIRD PARTIES INCLUDING ITS AUTHORIZED DEALERS OR INSTALLERS. DEI SECURITY SYSTEMS, INCLUDING THIS UNIT, ARE DETERRENTS AGAINST POSSIBLE THEFT. DEI IS NOT OFFERING A GUARANTEE OR INSURANCE AGAINST VANDALISM, DAMAGE OR THEFT OF THE AUTOMOBILE, ITS PARTS OR CON-TENTS; AND HEREBY EXPRESSLY DISCLAIMS ANY LIABILITY WHATSOEVER, INCLUDING WITHOUT LIMITATION, LIABILITY FOR THEFT, DAMAGE AND/OR VAN- DALISM. 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 DEI OR ITS SUB-SIDIARY, 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 DEI SHALL BE STRICTLY LIMITED TO THE AUTHORIZED DEI DEALER'S PUR-CHASE PRICE OF THE UNIT. DEI 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. NOTWITH-STANDING 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 DEI dealer for details of the plan or call DEI Customer Service at 1-800-876-0800. DEI security systems, including this unit, are deterrents against possible theft. DEI 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. DEI 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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Standard Configuration



controls the **Arm** function.



controls the **Disarm** function.

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



controls the **Panic** function.





and pressed simultaneously control Remote Start.

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® switch
- Your warranty registration
- Failsafe® Starter Kill Relay
- A shut-down toggle switch

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 DEI® internet website at 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.

Caution

This product is designed for fuel injected, automatic transmission vehicles only. Use of this product in a standard transmission vehicle is dangerous and contrary to the product's intended use.

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 arming function is controlled by pressing a on the transmitter for one second.

Button

The disarming function is controlled by pressing and on the transmitter for one second.

AUX Button

Silent Mode[™] and an optional auxiliary function are controlled by pressing AUX. Silent Mode works by pressing AUX for less than one second. An optional auxiliary function, such as trunk release, is controlled by pressing and holding AUX for 1.5 seconds.

The auxiliary output controls __

Button

The panic function is controlled by pressing and holding () for 1 second.

and Buttons

The remote start function of your system is controlled by pressing these buttons simultaneously.

Using Your System

Warning! Safety First

The following safety warnings must be observed at all times:

- Due to the complexity of this system, installation of this product must only be performed by an authorized DEI dealer.
- When properly installed, this system can start the vehicle via a command signal from the remote control transmitter. Therefore, never operate the system in an enclosed area or partially enclosed area without ventilation (such as a garage). When parking in an enclosed or partially enclosed area or when having the vehicle serviced, the remote start system must be disabled using the installed toggle switch. It is the user's sole responsibility to properly handle and keep out of reach from children all remote control transmitters to assure that the system does not unintentionally remote start the vehicle.

THE USER MUST INSTALL A CARBON MONOXIDE DETECTOR IN OR ABOUT THE LIVING AREA ADJACENT TO THE VEHICLE. ALL DOORS LEADING FROM ADJACENT LIVING AREAS TO THE ENCLOSED OR PARTIALLY ENCLOSED VEHICLE STORAGE AREA MUST AT ALL TIMES REMAIN CLOSED. These precautions are the sole responsibility of the user.

- Use of this product in a manner contrary to its intended mode of operation may result in property damage, personal injury, or death. (1) Never remotely start the vehicle with the vehicle in gear, and (2) Never remotely start the vehicle with the keys in the ignition. The user must also have the neutral safety feature of the vehicle periodically checked, wherein the vehicle must not remotely start while the car is in gear. This testing should be performed by an authorized DEI dealer in accordance with the Safety Check outlined in the product installation guide. If the vehicle starts in gear, cease remote start operation immediately and consult with the authorized DEI dealer to fix the problem.
- After the remote start module has been installed, contact your authorized dealer to have him or her test the remote start module by performing the Safety Check outlined in the product installation guide. If the vehicle starts when performing the Neutral Safety Shutdown Circuit test, the remote start unit has not been properly installed. The remote start module must be removed or the installer must properly reinstall the remote start system so that the vehicle does not start in gear. All installations must be performed by an authorized DEI dealer.

OPERATION OF THE REMOTE START MODULE IF THE VEHICLE

STARTS IN GEAR IS CONTRARY TO ITS INTENDED MODE OF OPERATION. OPERATING THE REMOTE START SYSTEM UNDER THESE CONDITIONS MAY RESULT IN PROPERTY DAMAGE OR PERSONAL INJURY. YOU MUST IMMEDIATELY CEASE THE USE OF THE UNIT AND SEEK THE ASSISTANCE OF AN AUTHORIZED DEI DEALER TO REPAIR OR DISCONNECT THE INSTALLED REMOTE START MODULE. DEI WILL NOT BE HELD RESPONSIBLE OR PAY FOR INSTALLATION OR REINSTALLATION COSTS.

Locking/Arming

Pressing for one second arms the system by activating the starter kill and locking the doors (if the door locks are 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.

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.

Disabling the Starter Kill Without a Transmitter

If your remote transmitter is lost or damaged, you can manually override the starter kill. 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 override the starter kill, turn the ignition on and press the Valet[®] switch within 10 seconds. The status LED will stop flashing



and the vehicle should start. If it does not start, you may have waited too long; turn the ignition off and repeat the process.

| LOCATION OF VALET® SV | VITCH |
|-----------------------|-------|
|-----------------------|-------|

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.
- 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 1.5 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 for contact on the transmitter.

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.

Remote Start

This feature allows you to remotely start and run your vehicle for a programmable period of time. This makes it possible to warm up the engine, as well as adjust the interior temperature of the vehicle with the climate control system. If interior heating or cooling is desired, the climate controls must be preset, and the fan blower must be set to the desired level prior to remote starting the vehicle.

IMPORTANT! (1) Never remotely start the vehicle with the vehicle in gear, and (2) Never remotely start the vehicle with the key in the ignition.

To remote start the vehicle:

- 2. The parking lights will flash to confirm that the vehicle will attempt to start.
- 3. Release the and buttons as soon as the parking lights flash. (In gasoline vehicles, the engine will start 4 seconds after the parking lights flash. In diesel vehicles, the engine will start when the WAIT-TO-START indicator on the vehicle's dash goes out.)
- 4. Once the vehicle has started, it will run for the pre-programmed period of time (either 12, 24, or 60 minutes see Programming Options section of this guide) or until a shutdown input is triggered.

When you are ready to drive the vehicle:



 Insert the ignition key and turn it to the ON (not the START) position.



2. Press the brake pedal.

NOTE: If the brake pedal is pressed before the key is in the ON position, the engine will shut down.

While the vehicle is running during remote start operation, the system will monitor the vehicle and will automatically shut down the engine if the system receives any of the following shut-down inputs:

- The brake pedal is pressed.
- The hood is opened.
- The shutdown toggle switch is put into the OFF position.
- The pre-programmed run time (12, 24, or 60 minutes) has elapsed.
- Transmitter buttons 🗟 and 🚭 are pressed again to start the vehicle.

To shut down the remote start and turn off the engine:

- Step on the brake pedal, or
- Press and for one second.

Valet[®] Take-Over

The Valet® Take-Over feature allows the vehicle to remain running after the key has been removed from the ignition. This feature is useful for occasions when you wish to exit and lock the vehicle for short periods of time, but would like to leave the motor running and the climate controls on.

To perform Valet® Take-Over:

- 1. Before turning off the engine, press and release and on the transmitter (or press and release the optional momentary switch).
- 2. Turn the ignition key to the OFF position. (The engine will stay running.)
- 3. The engine will run until the pre-programmed time elapses or a shut-down input is received. (See the previous Remote Start section for a complete list of shut-down inputs.)

NOTE: This feature will not work if the brake pedal is being pressed.

Timer Mode

Timer Mode automatically starts the engine and runs it for a pre-programmed time period, every three hours for a total of six operation cycles. This feature helps to ensure that your engine will start in the morning after a night of extremely cold temperatures.

IMPORTANT! This feature must only be used in open areas, never in an enclosed area such as a garage.

To enter Timer Mode:

- 1. Start the vehicle by pressing and releasing \triangle and \triangle .
- 2. Press and release AUX.
- 3. Within two seconds press and release 🔓 and 🚭 again.
- The engine will shut down and the parking lights will flash four times. The engine will then restart to confirm that Timer Mode has been entered.

The engine may be allowed to run for its pre-programmed time period, or it can be shut down while running during Timer Mode operation by pressing Buttons and again. In either case, the vehicle will restart every three hours for a total of six operation cycles. If the system receives a shut-down input while the engine is running in Timer Mode, the engine will stop, but will restart, on schedule, again in three hours!

To exit Timer Mode:

Timer Mode can be exited by turning the ignition on with the key any time the engine is not running. You can also exit Timer Mode with the remote transmitter by following these steps:

- 1. Start the engine by pressing \triangle and \triangle .
- 2. Press and release AUX.
- 3. Within two seconds press and release 局 and 🚭 again.
- 4. The engine will shut down and the parking lights will flash four times to confirm that Timer Mode has been exited. If the car has already been remote started, skip Step One.

Starter Anti-Grind Circuitry

Whenever the vehicle is remote started, advanced anti-grind circuitry prevents the starter from engaging, even if the key is turned to the start position. This prevents damage to the starter motor if the key is turned to the start position during remote start operation.

NOTE: Anti-grind circuitry only works when the remote start system is operating the motor and the Failsafe Starter Kill relay is installed.

Disabling the Remote Start System

This feature allows your system's remote start unit to be temporarily disabled to prevent the vehicle from being remote started accidentally. This feature is useful if the vehicle is being serviced or stored in an enclosed area. To disable the remote start, move the shutdown toggle switch to the OFF position. The switch can be installed in a location of your choice. Check with your installer for recommended locations.

LOCATION OF SHUTDOWN SWITCH_____

Rapid Resume Logic

This DEI® 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, VRS®, and Valet 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**:

- 12, 24, or 60 minute run time. Your system can be programmed to allow the vehicle to run for 12, 24, or 60 minutes when remote started or in Timer Mode.
- Parking lights flashing or constant. Your system can be programmed to either flash or to turn on the parking lights constantly during the entire remote start operation.
- 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 be programmed on, the horn must be connected to the system.

Glossary of Terms

Control Unit: 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 system functions.

Failsafe Starter Kill: 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 kill switch itself fails. Your system has feature-ready circuitry for the starter kill, however installation may require additional labor.

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

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

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

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 transmitter. 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, DEI*'s 522T trunk-release solenoid can often be added.

Power Window Control: Power window control is provided with DEI*'s 529T or 530T systems. The 529T system will roll up two win-

dows 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.

| | Notes | |
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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 of 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. Be sure to check with the installer for the location of the Valet[®] switch.

To remote start the vehicle

■ Press and simultaneously. The parking lights will turn on (if connected) and the vehicle will start and run for the programmed amount of time.

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 1.5 seconds.

To disable the remote start system

■ To disable the remote start, move the shutdown toggle switch to the OFF position.

| down Switch |
|--------------|
| :down Switch |

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, DEI 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.

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