

DIRECTED®

Owner's Guide

Models

4105V, 4105P

4105X, 4105A

4105L

Congratulations

Congratulations on the purchase of your state-of-the-art keyless entry and remote start system. Reading this Owner's Guide prior to using your system will help maximize the use of your system and its many features. For more information please visit us online (see back cover for URL). For any additional questions please contact your authorized Directed dealer or contact Directed at 1-800-753-0600. (U.S. only) or 1-800-361-7271 (Canada only). Additional support is also available at: <http://support.directed.com>

Your Warranty

Your system comes with a warranty. The warranty terms are detailed at the end of this guide. Make sure that you receive the proof of purchase from your dealer, indicating the product was installed by an authorized Directed dealer.

Replacement remote controls

Please see your authorized dealer or visit us at www.directedstore.com to order additional remote controls. Remote control part numbers are found on the back of the device.

Important information

Government Regulations and Safety information



Read the **Government Regulations** and **Warning! Safety First** sections of this manual prior to operating this system.




Warning! Failure to heed this information can result in death, personal injury or property damage and may also result in the illegal use of the system beyond its intended purpose.

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.

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Remote Control


Feature	Description
Internal Antenna	Used for transmitting information
Transmit LED	Active when transmitting information
Command buttons (4)	Used to perform:
	Locking
	Unlocking
	Remote Start
AUX	Silent mode/Auxiliary channel

Remote control functions

The remote buttons are used to send commands to the system. The buttons indicated below are for standard configuration.

Standard configuration

Button

The lock function is controlled by pressing  on the remote control for one second. When held for approximately two seconds, Panic is activated.

Button

The unlocking function is controlled by pressing  on the remote control for one second. You can also turn Panic off with this button.

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 before locking or unlocking. An optional auxiliary function such as trunk release may be controlled by pressing and holding **AUX** for approximately two seconds.

Button

The remote start function of your system is controlled by pressing this button for one second.

and **AUX Buttons**

Car Finder is controlled by pressing these two buttons.


and and **AUX Buttons**

When simultaneously pressed these buttons control the optional rear window defogger during remote starting. The parking lights flash three times to confirm activation. Once activated the defogger will turn on whenever the vehicle is remote started.

The parking lights flash twice when the defogger is deactivated. The defogger does not turn on when the vehicle is remote started.

Important note: Defogger is an optional feature. Additional parts and labor may be required. See your Directed dealer for details.

and **Buttons**


Timer mode is activated when these buttons are pressed simultaneously. When you activate timer mode the parking lights flash four times, after a one second delay the engine starts. To turn the engine off, without exiting timer mode press the .

The system remains in timer mode and will start every three hours for a maximum of six starts unless cancelled by turning on the ignition, or by activating any of the shutdown inputs to the system.

The parking lights flash four times indicating timer mode is exited.


Using the system

Locking

Pressing  for one second locks the system (if the door locks are connected). The horn honks and the parking lights flash once to confirm the system is locked. The Failsafe® Starter Kill also activates and prevents the vehicle's starter from cranking.

Important note: Horn honk and Failsafe are both optional features.

Unlocking

Pressing  for one second unlocks the doors (if connected). The horn honks twice and the parking lights flash twice to confirm unlocking of the system. The Failsafe Starter Kill is deactivated.




Disabling (optional) Starter Kill

If your remote control 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 button is located. Be sure to check with the installer for the location of the Valet button.

To override the starter kill, turn the ignition on and press and release the valet button within 10 seconds. 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 button: _____

Panic Mode

If you are threatened in or near your vehicle, you can attract attention by triggering the system with your remote control. Press  for approximately 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 , or  on the remote control.

Note: In order for Panic Mode to be effective, the vehicle's horn (or optional siren) and 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, and 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.



Warning! (1) Never remote start your vehicle when the keys are in the ignition, except when performing Valet Take-Over, and (2) Never start the vehicle if it is not in PARK or NEUTRAL

To remote start the vehicle:

1. Make sure the parking brake is set. Press the  button on the remote control once* (or the amount of times the system has been programmed to activate the remote start).
2. The parking lights flash to confirm that the vehicle is attempting to start. In gasoline vehicles the engine will start 4 seconds after the

parking lights flash, in diesel vehicles the engine starts after the WAIT-TO-START timer has expired.

3. Once the vehicle has started, it will run for the pre-programmed period of time (12, 24, or 60 minutes) or until a shutdown input is triggered.
- * The factory setting is one press but this can also be programmed for two or three presses maximum (See your authorized Directed installer for the amount of presses programmed).

Record the number of presses to activate remote start here: _____



Warning! It is unsafe to operate a vehicle's motor in a garage or other closed off area. Breathing the exhaust from the vehicle is hazardous to your health. Never activate the remote start in an enclosed space.

Key Takeover

When you are ready to drive the vehicle:

1. Unlock the doors.
2. Enter the vehicle. Do not step on the foot brake.
3. Insert the key, turn it to the run (not start) position. Step on the foot brake. The remote start is disabled and the parking lights turn off.
4. Disengage the parking brake and begin driving.

Note If your vehicle uses a Smart Key or PTS (Push-To-Start) system, please refer to the vehicle specific instructions included with the owner's guide of the interface module or consult your authorized dealer.

Safety Features


The following safety features will disable the remote start when activated or not allow the engine to start if not properly set before starting.

- Foot Brake is depressed
- Hood is opened
- Remote Start shutoff switch is OFF
- The pre-programmed run time (12, 24 or 60 minutes) has elapsed
- Remote Start activation procedure is repeated
- Parking brake is disengaged
- Engine over-rev protection (Tachometer mode only)

Pit Stop

This remote start can keep the engine running during short trips away from the vehicle.

To enable Pit Stop mode:

1. Park in a well ventilated area.
2. With the engine running set the transmission in the park position and ensure the parking brake is set.
3. Press and release the  button once (or the amount of times the system has been programmed to activate the remote start), the parking lights turn on to confirm.
4. Turn off the ignition and remove the key, the engine continues running.
5. Exit and secure the vehicle, the engine runs for the programmed runtime.


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

Note If your vehicle uses a Smart Key or PTS (Push-To-Start) system, please refer to the vehicle specific instructions included with the owner's guide of the interface module or consult your authorized dealer.

Car Finder

Car finder allows you to locate your vehicle, by having the system flash the parking lights.

To activate:

1. Press and release the  and **AUX** buttons at the same time.
2. The parking lights flash slowly several times, allowing you to locate your vehicle.

Optional Starter Anti-Grind Circuitry

This system includes an anti-grind circuit that can prevent damage to the starter motor if the key is turned to the start position while the remote start is ON.

Note: Anti-grind circuitry only works if an optional relay has been added and the remote is operating the motor.


Disabling the Remote Start System

When the Remote Start Shutoff switch is set to the OFF position, remote engine starting is defeated. DO this when the vehicle is being serviced or driven by someone unfamiliar with remote start system operations.

Location Of Shutdown Switch: _____

Remote Programming

Your system comes with the remote controls already programmed, however if you are replacing or adding additional remote controls, they must be programmed to the system prior to operating the system. To program the remote, you need to know where the valet button is located. If the horn honk is not connected, the main unit LED needs to be visible for visual confirmation. If you cannot locate or access the main unit, it is recommended that you visit your authorized dealer for remote programming. The system is capable of accepting up to four remote controls.

1. Turn key to the ON position
2. Within 10 seconds, press and release the valet button one time.
3. Within 10 seconds, press and hold the valet button. The LED on the module flashes one time and the horn (if connected) honks to confirm entry into remote programming. Do not release the valet button.
4. Press the  button on the remote control. The horn honks to confirm the remote has been programmed.
5. Release the valet button.
6. Turn the key to OFF position. The horn sounds one long honk to confirm that remote programming has been excited.

The programming routine exits if any of the following occurs:

- The ignition is turned off
- There is no activity for 30 seconds
- The Valet button is pressed too many times

Programming Options

Feature options will control your system's normal operation. Some options may require additional parts and installation labor. The following is a list of the programmable options with the factory settings in **bold**.

- **12 minute** to 60 minute runtime. Your system can be programmed to allow the vehicle to run for up to 60 minutes when remote started. This can be set up to minute increments by your installer.
- Parking lights flashing or **constant**. Your system can be programmed to flash the parking lights or have them come on constantly during the remote start operation.
- 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 will unlock when the ignition key is turned off.

Important: The door lock option must be installed for the ignition controlled door lock feature to work.

Rapid Resume Logic

This Directed system stores its current state to non-volatile memory. If the power to the system is disconnected and then reconnected, the system recalls the stored state from memory.

Battery Information

The remote control is powered by two 3V, CR2016 batteries. When the battery begins to weaken, operating range is reduced and the LED on the remote control dims.

Replacing the Battery

1. Use a small flat blade screw driver and insert it into the slot located along the bottom of the remote, near the key ring. Carefully pry open the case.
2. Remove the old batteries from the holding clip. Orient the new batteries for the correct polarity and insert into the holding clip.
3. Reposition the case parts, then snap together by pressing firmly and evenly on the front and back.

Battery Disposal



Directed cares about the environment. If you need to dispose of the battery, please do so in accordance with your municipal requirements for battery disposal.

Patent Information

This product is covered by one or more of the following United States patents:

Remote Start Patents:

5,349,931; 5,872,519; 5,914,667; 5,952,933; 5,945,936;
5,990,786; 6,028,372; 6,467,448; 6,561,151; 7,191,053;
7,483,783

Vehicle Security Patents:

5,467,070; 5,532,670; 5,534,845; 5,563,576; 5,646,591;
5,650,774; 5,673,017; 5,712,638; 5,872,519; 5,914,667;
5,952,933; 5,945,936; 5,990,786; 6,028,505; 6,452,484

Other patents pending

Government Regulations

This device complies with Part 15 of FCC rules. Operation is subject to the following two 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.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television, which can be determined by turning the equipment OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

This device complies with the Industry Canada Radio Standards Specification RSS 210. Its use is authorized only on a no-interference, no-protection basis; in other words, this device must not be used if it is determined that it causes harmful interference to services authorized by IC. In addition, the user of this device must accept any radio interference that may be received, even if this interference could affect the operation of the device.

Warning:

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

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 Directed dealer.

Remote Start Capable

When properly installed, this system can start the vehicle via a command signal from the remote control. 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 devices to assure that the system does not unintentionally remote start the vehicle. **THE USER MUST INSTALL A CARBON MON-OXIDE 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 Directed 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 Directed 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 Directed 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 Directed DEALER TO REPAIR OR DISCONNECT THE INSTALLED REMOTE START MODULE. DIRECTED WILL NOT BE HELD RESPONSIBLE OR PAY FOR INSTALLATION OR REINSTALLATION COSTS.

This product is designed for fuel injected vehicles only. Use of this product in a standard transmission vehicle must be in strict accordance with this guide. This product should not be installed in any convertible vehicles, soft or hard top with a manual transmission. Installation in such vehicles may pose certain risk.

Interference

All radio devices are subject to interference which could affect proper performance.

Upgrades

Any upgrades to this product must be performed by an authorized Directed dealer. Do not attempt to perform any unauthorized modifications to this product.

Water/Heat Resistance

This product is not designed to be water and/or heat-resistant. Please take care to keep this product dry and away from heat sources. Any damage from water or heat will void the warranty.

Limited lifetime consumer warranty

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 during the lifetime of the vehicle provided the following 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 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. ALL PRODUCTS RECEIVED BY DIRECTED FOR WARRANTY REPAIR WITHOUT PROOF OF PURCHASE FROM AN AUTHORIZED DEALER WILL BE DENIED. This warranty is non-transferable and is automatically void if: 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 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, DAMAGE TO VEHICLE, 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 SUBJECT TO THE CONDITIONS AS DESCRIBED HEREIN. 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, NEGLIGENCE, IMPROPER SERVICE, OR OTHER CAUSES NOT ARISING OUT OF DEFECT IN MATERIALS OR CONSTRUCTION.

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 warranty is only valid for sale of product(s) within the United States of America and in Canada. Product(s) sold outside of the United States of America or Canada are sold "AS-IS" and shall have NO WARRANTY, express or implied.

For further details relating to warranty information of Directed products, please visit the support section of Directed's website at: www.directed.com

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.

The company behind this system is Directed

Since its inception, Directed has had one purpose, to provide consumers with the finest vehicle security and accessories available. The recipient of nearly 100 patents and Innovation Awards in the field of advanced electronic technology.

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

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