

# DIRECTED®

Models  
5105V, 5105P  
5105X, 5105A  
5105L

## Owner's Guide

# Congratulations

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Congratulations on the purchase of your state-of-the-art security/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.

**Note:** The system you have purchased is either a security or keyless entry system. This guide covers both, however, some features are applicable to security systems only. These features are indicated by "security only" next to the section and subsection headings.

## What's included

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- Two 4-button 1-way remote controls
- This owner's guide

# Important information

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## 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. Installing it in a standard transmission vehicle is dangerous and is contrary to its intended use. If your vehicle is equipped with a manual transmission cease use of this product and immediately return the vehicle to an authorized Directed dealer.

## 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 to order additional remote controls. Remote control part numbers are found on the back of the device.




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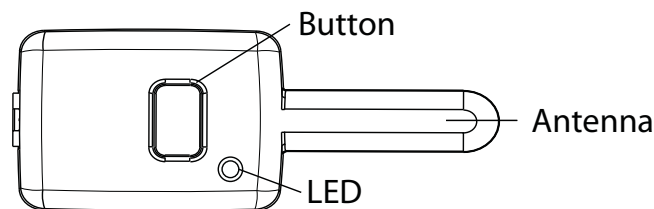
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# 1-way Remote Control

Feature	Description
Internal Antenna	Used for transmitting information.
Command buttons (4)   <b>AUX</b> 	Used to perform arming/locking, disarming/unlocking, auxiliary * channel and remote start commands.

\* On some remote controls, the  icon may exist instead of the **AUX** icon. Functionality is the same regardless of which one of these icons is used with your system.

## Control Center



The Control Center, typically located on the upper part of the front windshield receives commands from your system. It consists of:

- The antenna.
- The control center LED: a visual indicator of the system's status.
- The control center button: for placing the system into Valet Mode\* and to perform the Emergency Override\* operation.

\* See "Remote and System operations" on page 9 for details.

# Basic Commands

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## Arm/Lock

Press and release 

The alarm arms, doors lock (if connected), and the siren/horn sounds and parking lights flash once. If Valet mode\* is On, the doors lock with no chirp confirmations. Exit Valet mode to arm/lock the alarm normally.

## Panic

Press and hold 

The alarm Arms (or Locks in Valet) and, after two seconds, sounds the siren/horn and flashes the parking lights. Press and release  again to stop panic.

## Disarm/Unlock

Press and release 

The alarm disarms, doors unlock (if connected), and the siren/horn sounds and parking lights flash twice. Also turns panic off if on. If Valet mode\* is On, the doors unlock with no chirp confirmations. Exit Valet mode to disarm/unlock the alarm normally.

## Silent Mode™

Press and release **AUX** or 

Perform before the Arm/lock or Disarm/unlock command to use the remote control in **Silent Mode™**.

## For optional function (trunk release)

Press and hold **AUX** or 

Activates the auxiliary output, such as trunk release or an expansion function that you have added to your system.

The auxiliary output controls: \_\_\_\_\_

## Remote Start

Press and release ✱

Activates (or if On, deactivates) the remote starter. The engine and parking lights turn On.

**Note:** The factory setting is one press, but this can also be programmed for two presses (See your authorized Directed installer for the amount of presses programmed).

Record the amount of presses to activate remote start here: \_\_\_\_\_

\* See "Remote and System operations" on page 9 for details.



# Advanced Commands

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## Additional Auxiliary Functions.

Press  and **AUX** buttons simultaneously

Activates the optional auxiliary 4 convenience or expansion function that you have added to your system.

The auxiliary output controls: \_\_\_\_\_

Press  and **AUX** buttons simultaneously

Activates the optional auxiliary 5 convenience or expansion function that you have added to your system.

The auxiliary output controls: \_\_\_\_\_

Press  and  buttons simultaneously

Activates the optional auxiliary 6 convenience or expansion function that you have added to your system.

The auxiliary output controls: \_\_\_\_\_

## Timer Mode

Press  and  buttons simultaneously




There are two types of timer modes and the system can be programmed to perform either one or the other, the factory setting is timed mode. In timed mode, the system allows you to keep the engine warm by automatically activating the remote start every three hours for a maximum of six starting cycles.



The temperature mode checks every three hours to see if the temperature threshold of 0°F has been met or exceeded. If met or exceeded, the vehicle then remote starts and runs for the programmed time, and will check again three hours after shutting off. However, if the threshold isn't met or exceeded, then the remote start does not activate, but

will check again later after another three hours have elapsed.

**Note:** The timer mode features are activated and deactivated the same way, with the temperature mode automatically exiting after 18 hours.

To activate:

1. Park the vehicle and set the parking brake.
2. Press the  and  buttons simultaneously.
3. The parking lights flash slowly four times.
4. The remote start activates and runs for the set duration. The system remains remote started unless shut down by pressing the  button on the remote.
5. Once the remote start shuts down, the vehicle will start every three hours for a maximum of six cycles or until timer mode is canceled by turning on the ignition or activating any of the shutdowns (the parking lights flash slowly four times to confirm Timer Mode is exited).

To deactivate timer mode, turn on the ignition or activate any of the remote start shutdowns (arming and disarming the system or pressing the  and  buttons on the remote will not exit the timer mode). The parking lights flash four times confirming timer mode is exiting.


**Note:** The feature exits (if active) when the vehicle is driven, so if timer mode is desired, it needs to be activated again.

## Short-run Turbo Mode

Press  and **AUX** buttons simultaneously

Short-run turbo mode keeps the engine running for a programmable period of time after arriving at your destination (check with your authorized Directed dealer for available run times). This allows the system's timer to conveniently cool down the turbo after you have left the vehicle.

To activate:

1. Park the vehicle and set the parking brake.
2. Remove your foot from the brake pedal and leave the engine running.
3. Press the  and **AUX** buttons simultaneously
4. The parking lights flash to indicate the remote start has entered the short-run turbo mode.
5. Turn the key to the off position and the engine will continue to run.
6. Exit and secure the vehicle.
7. The engine will shut off after the programmed runtime expires.

## Optional Rear Window Defogger

When the feature is programmed on, the rear defogger automatically activates during the remote start sequence if the temperature at the control module is below 55°F. If the temperature is greater than 55°F at the control module when the remote start is activated, the rear defogger does not turn on.

# Remote and System operations

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## Passive Arming/Locking

The system can be programmed to arm/lock itself automatically (called passive arming/locking). If the system is programmed for passive arming/locking, it will automatically arm/lock 30 seconds after the ignition is turned off and the system detects that you have left the vehicle by opening and closing a door. Whenever the system is in its 30-second passive arming/locking countdown, the status LED will flash twice as fast as it does when the system is armed/locked. At the 20-second point of the countdown, the siren/horn will sound to indicate that the system is about to arm/lock. At the 30-second point, the parking lights will flash to indicate that the system is armed/locked.

**Note:** If any protected entry point (such as a door or a switch-protected trunk or hood) is open, the system will not passively arm/lock (unless forced passive arming/locking is programmed on). See "Forced passive arming" under "Programming options" on page 21 of this guide.

## Warn Away® Response (security only)

A Warn Away Response consists of the alarm response described below.

- Shock Sensor - Light impacts to the vehicle will flash the vehicle lights and sound the siren/horn for a few seconds.



## Triggered Response (security only)


A Triggered Response can be activated by any of the triggers listed below. The default Triggered Response duration is 30 seconds but can be programmed from 1-180 seconds by your installer.


- Shock Sensor Trigger - Heavy impacts to the vehicle will instantly sound the siren/horn and flash the lights for the programmed duration and report Zone 2.
- Door Trigger - If a door is opened the siren/horn will sound and lights flash for three seconds, then the siren/horn will sound continuously and the lights will flash for the programmed duration and report Zone 3. The three seconds allow the user time to disarm/unlock the system with a minimum of noise should a door be opened inadvertently while the system is armed/locked.
- Hood Trigger - Opening the hood will sound the siren/horn, flash the lights for the programmed duration, and report Zone 6.
- Trunk Trigger - Opening the trunk (if connected) will instantly sound the siren/horn and flash the lights for the programmed duration and report Zone 1.
- Ignition Trigger - Turning on the ignition key will trip the same progressive response as the door trigger and report Zone 5.

## Multi-level Security Arming (security only)

Multi-Level Security Arming allows you to select which of the security system's inputs or sensors are active, or are bypassed when the system is armed. (See the "Table of zones" on page 19 of this guide).

Press  one time to arm the system, siren chirps one time. Pressing  again activates Multi-Level Security Arming.



Each time  is pressed consecutively, a different security level is selected, as described in the following table:

Press 	Siren chirps	Zone bypassed
2 times	2 times followed by 1 long chirp	2
3 times	3 times followed by 1 long chirp	4
4 times	4 times followed by 1 long chirp	2 & 4
5 times	5 times followed by 1 long chirp	all zones except 5



Each press of the  button ascends to the next security level.


Multi-Level Security Arming applies to a single arming cycle. The next time the system is armed, all the zones will be active again.

## Arming While Driving (security only)

Your security system can be armed while driving the vehicle. Press  on the remote control for two seconds while the vehicle is running. The siren/horn will sound once to indicate that the security system is armed, and then once more to indicate that the ignition is on. The system will not respond to any input except the door triggers, and the starter kill relay (if installed) will not be activated. Once you have arrived at your destination, the system will disarm when the ignition is turned off. The siren/horn will sound twice and the LED will then stop flashing. The system can also be disarmed at any time by pressing .

## High Security Disarm (security only)

High Security Disarm makes it possible to silence and reset the system when it is triggering, without disarming. If the system is triggered, and the siren sounds for longer than six seconds, pressing the  button will stop the trigger and return the system to an armed state. The system does not disarm, but rather reset. This prevents you from disabling the system should you want to disarm without visually checking the vehicle. Pressing the  button again after resetting the system, will disarm the

system. Pressing the  button during the first six seconds of the triggered sequence disarms the system immediately. The six second timer is provided for your convenience, in case you accidentally trigger the system.

## System (Emergency) Override

If your remote control is lost or damaged, you can manually disarm your vehicle security system or disable the optional starter kill. To disarm or disable the system without a remote control, you must have the vehicle's ignition key.

To disarm/disable the system:

1. Turn the ignition to the ON position.
2. Press and release the control center button the preset number of times (one to five times) within 15 seconds (the factory default setting is 1 press). After five seconds, the system will disarm/disable. If the system does not disarm/disable, you may have waited too long. Start over by turning the ignition off and on.

Number of Presses \_\_\_\_\_

**Important:** The control center button can be programmed to respond to 1-5 presses for the disarm/disable function. You must check with the installer to verify the programming for your individual unit.

## Valet® Mode




You can prevent your system from automatically arming/locking and triggering by using Valet Mode. This is very useful when washing the vehicle or having it serviced. In Valet Mode, the system/starter kill will not arm/enable, even with the remote control, but all convenience func-

tions (door locks, trunk release, 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 control center button within 10 seconds.

To enter or exit Valet Mode using the remote control:

1. Open any vehicle door.
2. Press .
3. Press  and then press  again.

The status LED lights solidly if you are entering Valet Mode, and goes off when you exit Valet Mode.


## 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.



**Warning!** (1) Never remote start your vehicle when the keys are in the ignition, except when performing Pit Stop mode, and (2) Never start the vehicle if it is not in PARK or NEUTRAL. (3) Do not activate the remote start if the vehicle has a manual transmission.

**To remote start the vehicle:**

- Ensure the parking brake is set, press  on the remote control once (or the amount of times the system has been programmed to



activate the remote start, see "Remote start" on page 5).

The parking lights flash to confirm that the vehicle will attempt to start. With gas vehicles the engine starts four seconds after the parking lights flash. With diesel vehicles the engine starts when the WAIT-TO-START indicator on the dashboard goes out or the programmed delay has ended.

Once the vehicle has started, it runs for the pre-programmed period of time (either 12, 24, or 60 minutes; See Programming Options section) or until a shutdown input is triggered.



**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.

### **When you are ready to drive the vehicle:**

1. Insert the ignition key and turn it to the On position.
2. Press the brake pedal.
3. Disengage the parking brake.
4. Place the vehicle in gear and drive to your destination.

**Note:** If the brake pedal is pressed or the parking brake is disengaged before the key is in the ON position, the engine will shut down.

While the vehicle is running during remote start operation, the system monitors the vehicle and automatically shuts down the engine if the system receives any of the following:


- The brake pedal is pressed
- The hood is opened
- The shutdown toggle switch is put into the Off position
- The parking brake is disengaged

- Runtime (12, 24, or 60 minutes) expires
- The remote start activation procedure from the remote is repeated.

## Pit Stop Mode

The Pit Stop mode 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 Pit Stop mode:

1. Before turning off the engine, ensure the parking brake is set, then press and release  on the remote control the amount of times the system has been programmed to activate the remote start (or press and release the optional momentary switch). Then wait five seconds.
2. Turn the ignition key to the OFF position, the engine will continue running.
3. Exit and secure the vehicle.
4. When returning to the vehicle simply disarm the system and follow the previous "When you are ready to drive the vehicle" information.

**Note:** If you are away from the vehicle for an extended amount of time, the remote start will shut off after the programmed runtime expires or when a shutdown input is received (see the previous Remote Start section for a complete list of shutdown inputs).

This feature will not work if the brake pedal is being pressed or the parking brake is disengaged.

## Nuisance Prevention Circuitry

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

For example, if the alarm triggers three times within a 60 - minute period and each time the same sensor or switch triggers the alarm, NPC will interpret those triggers as false alarms. After the third trigger, NPC 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 starts over. This ensures that a sensor that continually triggers will remain bypassed.

Doors are covered by NPC differently - if the alarm is triggered by an open door for three full cycles, the doors are bypassed until the trigger ceases.

NPC is On/Off programmable, except doors are always covered whether on or off. See your dealer and the Programming section of this guide for more information.

Arming and disarming the system does not reset this function. In order to reset a bypassed zone, the same zone must not trigger for 60 minutes, or when ignition is turned on. If testing your system, it is important to remember that the NPC programming can cause zones to be bypassed and appear to stop working. If five chirps are heard when disarming, NPC has been engaged. If you wish to clear the NPC memory, turn the ignition key on.

# Power Saver Mode

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Your system will automatically enter Power Saver mode while armed or in Valet mode, after a period of time in which no operation has been performed. This lowers the current draw to the vehicle's battery. Power Saver Mode takes over under the following conditions:

- Power Saver when the system is armed: After the system has been armed for 24 hours, the control center LED will flash at half its normal rate, decreasing the system's current draw.
- Power Saver in Valet Mode: When the system enters Valet Mode the control center LED illuminates steadily. If the vehicle is not used (ignition is not turned on) for a period of one hour while the system is in Valet Mode, the LED will shut off. If the system remains in Valet Mode, the LED will come back on the next time the ignition is turned on and then back off.

# Diagnostics (security only)

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The microprocessor at the heart of your security system is constantly monitoring all of the switches and sensors that are 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. Refer to the System Status Chirps and Table of Zones charts for diagnostic information.

## Arming Diagnostics

If the system is armed while an input is active - door open, sensor triggering - the unit will chirp once when arming and then one more time a few seconds later. This is called Bypass Notification.

Bypass Notification will not occur when using Silent Mode or if chirps have been programmed OFF. The security system will continually ignore the zone that was active until the input stops. Three seconds after the input stops, the system monitors that input normally. For example, if your vehicle has interior light exit delay, and you arm it before the interior light goes out, you may hear Bypass Notification chirps. Once the light shuts off, the doors are monitored normally.

## Disarming Diagnostics

Extra disarm chirps are the Tamper Alert. If four chirps are heard when disarming, the system was triggered in your absence. If five chirps are heard, a zone was triggered so many times that Nuisance Prevention® Circuitry has bypassed that zone (see "Nuisance prevention circuitry" on page 14 of this guide).

The control center LED indicates which zone was involved (see "Table of Zones" on page 19). The system retains this information in its

memory, and continues to chirp four or five times each time it is disarmed, until the next time the ignition key is turned on.

## Table of Zones

A zone is represented by the number of control center LED flashes used by the system to identify a particular type of input. Standard input assignments are listed in the following table, along with spaces to write in any optional sensors or switches that have been installed.

Zone	Description	Dealer installed options
1	Trunk Pin	
2	Instant trigger: a heavier impact detected by the shock sensor	
3	Door switch trigger	
4	Instant trigger: for optional sensors	
5	Ignition trigger	
6	Hood Pin	

## Interpreting Zone Diagnostics

Warn Away responses are not reported by arming or disarming diagnostics. If you receive a Bypass notification when arming or a Tamper Alert notification when disarming, look at the LED in the vehicle. Active or triggered zones will be indicated by a pattern of blinks by the LED.

**For example:** If zone 3 was active or triggered, the LED will blink three times with a two-second pause. Then it will blink three times again, and repeat until the ignition is turned on.

Your system stores the last two triggered zones in memory. If your system has been triggered but the LED has been reset by turning on the ignition, your dealer can still recall the last two zones that were triggered. Contact your authorized dealer for details.

# Owner Recognition

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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 remote control that is used with the system. Then, whenever a specific remote control is used, the system will recall the settings assigned to that remote control. 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.

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

# Rapid Resume Logic

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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 vehicle, 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.

# Programming Options

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Programming options control what your system does during normal operation, and require few or no additional parts. However, some may require additional installation labor.

The following is a list of the program settings, with the factory settings in **Bold**:

- **Active arming** (only with the remote) or passive arming (automatic arming 30- seconds after the last door has been closed).
- Arming/disarming confirmation siren chirps **On** or off.
- The ignition controlled door lock feature On or **Off**: With this feature on, the doors will lock three seconds after the ignition is turned on, and the doors are closed, and unlock when the ignition is turned off. With this feature off, the system will not lock the doors when the ignition is turned on and will not unlock the doors when the ignition is turned off. Ignition lock and unlock are independent features and can be programmed separately, when using the Bitwriter.
- Passive door locking (with passive arming) or **active door locking** (only when arming with the remote). Passive locking allows the vehicle's doors to lock when the security system passively arms (after the 30 second countdown). This feature only works if passive arming has been programmed. When programmed for passive arming and active lock, if the system is disarmed without a door being opened, the system will re-lock the doors when it passively rearms.



- Panic mode **enabled**/disabled with the ignition on: Some states have laws against siren capability in a moving vehicle.
- Forced passive arming **On** or off: If your system is programmed for passive arming and the forced passive arming feature has been programmed on, the system will passively arm after one hour, even if a protected entry has been left open. This feature is useful if a door has been left ajar when leaving the vehicle. Forced passive arming ensures that the security system will be armed in every situation.

When the system passively arms after one hour, the entry point that has been left open, and anything connected to the same zone, is bypassed and cannot trigger the system. However, the remaining inputs to the system are fully operational.

- Automatic Engine Disable (AED) on or **Off**: The purpose of this feature is to protect the vehicle from being stolen at all times, regardless of whether or not the alarm is armed. If AED is programmed on, the starter of the vehicle will be disabled 30 seconds after the ignition is turned off. Once the key is turned off, the in-vehicle LED will flash slowly (one-half its normal armed rate) to indicate the AED arming cycle. Thirty seconds later, the starter of the vehicle will be disabled.

To start the vehicle, it will be necessary to disarm the system with the remote. It is also possible to disarm the AED feature by turning the ignition key to the RUN position and pressing the Control center button the programmed number of times. AED is disabled when the system is in Valet Mode. This feature only functions if the Failsafe® Starter Kill relay has been installed.

- Full trigger response **30** or 60 seconds: This determines how long the full triggered sequence lasts. Some states have laws regulating how long a security system can sound before it is considered a nuisance. If your installer is programming the security system with the Directed Bitwriter, the full triggered response can be programmed for any duration ranging from 1 to 180 seconds.
- Nuisance Prevention Circuitry **On** or off: Please refer to the NPC section of this manual for a complete explanation of how NPC operates. If NPC is programmed off, the security system will respond to inputs from any sensor indefinitely.  
Because many states have laws regulating security systems, programming NPC® off may cause your system to violate state laws.
- Progressive door trigger **On** or off: When the system is armed and a door is opened, the system responds with ten chirps prior to beginning the full triggered sequence. If an instant trigger is desired, the progressive door trigger can be programmed off.
- Valet pulse count: The number of presses of the control center button required to disarm the security system or AED, the system can be programmed from one to five presses.
- **Comfort Closure:** Windows will close upon arming the system.

# Security & Convenience Expansions

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Listed are some of the many expansion options available. Please contact your dealer to find out about all the convenience options available to you.

**Audio Sensor:** Metal on glass, cracking glass, and breaking glass each produce distinctive acoustic signatures. The 506T audio sensor uses a microphone to pick up sounds, and then using proprietary acoustic software, analyzes the sounds to determine if the glass was struck.

**Backup Battery:** The 520T keeps the system armed, triggers the alarm and keeps the starter kill active if main battery power is disconnected.

**Field Disturbance Sensor:** An invisible dome of coverage is established by installing the 508D "radar" sensor. Your security system can then react to any intrusions into this field with the triggered sequence.

**Headlight and Parking Light Automation:** The 545T Nite-Lite will automatically turn on your parking and headlights when it gets dark. In addition, the 545T will turn your headlights on whenever the windshield wipers are used. A remote control function can also be used to turn on your parking and headlights for a programmed time.

**Power Trunk Release:** The trunk release output of the system can operate a factory power release for the vehicle's trunk or hatch. (An additional relay may be required.) If the factory release is not power activated, then Directed's 522T trunk release solenoid can often be added.

**Power Window Control:** Automatic power window control is provided with the 529T and 535T systems.

**Tilt Sensor:** The 507M tilt sensor can be added to your system to protect your vehicle when its parked. An alarm is triggered if the vehicle is lifted, to protect expensive rims.

**Ultrasonic Sensor:** Provides a field of protection inside your vehicle, the 509U Ultrasonic sensor, protects your belongings.

## System Maintenance

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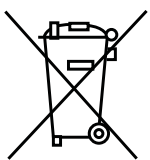
This system needs no specific maintenance beyond remote control battery replacement. Depending on your remote control type, the remote is powered by either two 3V, CR2016 batteries or one 3V CR2032 battery (see back of remote control for details on battery type used).

### Battery replacement

1. Using a small flat-head screwdriver, insert into the slot located along the edge of the remote control and carefully pry the unit open.
2. Turn unit over and carefully remove rear housing. Remove the battery from holder and replace with a new one.
3. Reassemble all parts and snap together.

**Note** Verify that the battery polarity is correct when replacing.

### 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.

# Glossary of Terms

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## Document Terminology

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<b>Control Module (unit)</b>	The “brain” of your system. Usually hidden under the dash area of the vehicle. It houses the microprocessor which monitors your vehicle and controls all of the system’s functions.
<b>Control Center</b>	The Control Center, typically located on the upper part of the front windshield houses the antenna. It receives commands from your remote control.
<b>Control Center Button (also called: Control button or Valet switch)</b>	A small push button on the control center, also called the valet switch or valet button. It is used to override disarm the alarm when a remote is not available, to enter or exit Valet Mode, and to program the system.
<b>Control Center LED (also called: Status LED)</b>	A light mounted on the control center, used to indicate the status of your system such as triggers and faults in the system or sensors.
<b>FailSafe Starter Kill</b>	A switch controlled by the security system which once activated prevents the vehicle’s starter from cranking, when 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 fails. Installation may require additional labor.
<b>Input</b>	A physical connection to the system. Input may be provided by a sensor, a pin-switch or through an existing system in the vehicle, such as ignition or courtesy lights.
<b>Remote Control 1-way</b>	A hand-held remote control, also called transmitter that commands and operates the various functions of your system but does not provide feedback.
<b>Siren</b>	Noise generating device usually installed in the engine compartment of the vehicle. It generates the “chirps” and the tones you hear when the alarm is triggered.

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## Document Terminology

<b>Trigger or Triggered Sequence</b>	When the alarm “goes off” or “trips”, the system triggers a sequence of siren sounding and parking lights flashing for a programmed duration.
<b>Warn Away®</b>	Lighter impacts to the vehicle generate a Warning Zone response, several seconds of siren chirps and parking light flashes.
<b>Zone</b>	Input that the alarm recognizes as unique. Each input is connected to a particular zone. Two or more inputs may share the same zone.

## Patent Information

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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

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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

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Please read the safety warnings below before proceeding. Improper use of the product may be dangerous or illegal.

## Installation

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 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 menu wheel. 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.

## Manual Transmission Vehicles

Remote starters on manual transmission vehicles operate differently than those with automatic transmission because you must leave your car in neutral. You must read this Owner's Guide to familiarize yourself with the proper procedures regarding manual transmission remote starters.



Before remote starting a manual transmission vehicle, be sure to:

- Leave the vehicle in neutral and be sure no one is standing in front or behind the vehicle.
- Only remote start on a flat surface
- Have the parking brake fully engaged

**WARNING!** It is the responsibility of the owner to ensure the parking/emergency brake properly functions. Failure to do so can result in personal injury or property damage. We recommend the owner have the parking / emergency brake system inspected and adjusted by a qualified automotive shop biannually.

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. OPERAT-

ING 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 and Batteries**

Any upgrades to this product and/or installation of batteries must be performed by an authorized 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

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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.