

DIRECTED.

The company behind Python® Auto Security Systems 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 Innovations Awards in the field of advanced electronic technology.

Quality Directed products are sold and serviced throughout North America and around the world.

Call (800) 876-0800 for more information about our products and services.



Congratulations

Congratulations on the purchase of your security and remote start system. This system has been designed to provide years of trouble-free operation. By carefully reading this owner's guide prior to using your system, you will maximize the use of this system and its features. For more information please visit us online at: www.pythoncarsecurity.com.

For any additional questions; please contact your authorized Directed dealer or contact Directed at 1-800-361-7271 (Canada only) or 1-800- 753- 0600 (U.S. only) Additional support is also available at: <http://support.directed.com>

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.

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.



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.

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Standard remote control configuration



control the Arm and Panic On/Off function.



control the Disarm and Panic Off function.

AUX control Silent Mode™ and Auxiliary trunk output.



control the Remote Start function.



and pressed together control the Timer mode.



and **AUX** pressed together control Temperature Start mode.



and pressed together control Turbo/Short Run.



and **AUX** pressed together control Auxiliary 2 output.



and **AUX** pressed together control Auxiliary 3 output.



and pressed together control Auxiliary 4 output.



and **AUX** press together control the Rear Defogger.

Remote control functions



The arming function is controlled by pressing this button for 1 second, if held for 2 seconds Panic is activated.



The disarming function is controlled by pressing this button for 1 second.



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

The auxiliary output controls _____.



The remote start function of your system is controlled by pressing this button for 1 second.



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

The auxiliary output controls _____.



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

The auxiliary output controls _____.



Activate Timer mode by pressing these buttons simultaneously.

and **AUX** Buttons

Activate Short-run Turbo mode by pressing these buttons simultaneously.

and and **AUX** Buttons

Press these buttons simultaneously to control the rear window defogger during remote starting.

and and **AUX** Buttons

Activate Temperature Start mode by pressing these buttons simultaneously after parking in a well ventilated area. The parking lights flash fast four times to confirm activation. The engine does not start once activated, it starts when the vehicle interior temperature drops below 0 degrees Fahrenheit.

Deactivate Temperature Start mode by pressing the same buttons again or turning the vehicle ignition on. The parking lights flash slowly four times to confirm deactivation.

and Buttons

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

The auxiliary output controls _____.

Using your system

Active arming

You can arm the system by pressing  on your remote control for one second. When the system arms, you will hear a short siren chirp and see the parking lights flash once. If the power door locks are controlled by the system, the doors will also lock. While the system is armed, the status LED will flash approximately once per second, indicating that the system is actively protecting your vehicle.

Note: If you hear a second chirp after arming and note that the status LED is flashing in groups, see the Diagnostics Section of this guide. This extra chirp is called Bypass Notification.

Passive arming

The system can be programmed to arm itself automatically (called passive arming). If the system is programmed for passive arming, it will automatically arm 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 countdown, the status LED will flash twice as fast as it does when the system is armed. At the 20-second point of the countdown, the siren will chirp to indicate that the system is about to arm. At the 30-second point, the parking lights will flash to indicate that the system is armed.

<p>Important: If any protected entry point (such as a door or a switch-protected trunk or hood) is open, the system will not passively arm (unless forced Passive Arming is programmed on. See Programming Options section).</p>

When armed your vehicle is protected as follows:

- Light impacts trigger the Warn Away® signal. When triggered, the siren chirps and the parking lights flash for a few seconds.
- Heavy impacts trip a Triggered Sequence. The sequence consists of the siren sounding continuously and the parking lights flashing for a pre-programmed period, which can range in duration from 1 to 180 seconds.

- If a door is opened, the system will immediately start chirping the siren and flashing the parking lights. Three seconds later, the siren output changes to a continuous blast. This progressive response gives you time to disarm the system with your remote control if you inadvertently open the door while the system is armed, while still providing instant response (even if the door is immediately closed).
- Turning on the ignition key will trip the same progressive response as opening a door.
- The optional starter kill prevents the vehicle's starter from cranking.

Multi-level security arming

Multi-Level Security Arming allows you to select which of the system's inputs or sensors will be active and which will be bypassed when the system is armed. (See Table of Zones section of this guide.)

Pressing  again (in Standard Configuration only) within five seconds of arming the system will activate the Multi-Level Security feature. Each time  is pressed a different security level is selected. The security levels are selected as follows:

- Press  once: The siren chirps once. The system is armed.
- Press  a second time within five seconds: The siren chirps two times followed by a long chirp. Zone 2 is now bypassed.
- Press  a third time within five seconds: The siren chirps three times followed by a long chirp. Zone 4 is now bypassed.
- Press  a fourth time within five seconds: The siren chirps four times followed by a long chirp. Zones 2 and 4 are now bypassed.
- Press  a fifth time within five seconds: The siren chirps five times followed by a long chirp. All input zones, except the ignition, are now bypassed.

Important: Multi-Level Security Arming only applies to a single arming cycle. Once the system is disarmed and then re-armed, all the zones will be active again.

Arming while driving

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 will chirp 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 will chirp twice and the LED will then stop flashing. The system can also be disarmed at any time by pressing .

Disarming

To disarm the security system, press . You will hear two chirps, and the parking lights will flash twice.

If the power locks are controlled by the system, the doors will also unlock. The siren chirping either four or five times when disarming indicates Tamper Alert, which is described in the Diagnostics Section of this guide.

High security disarm

This security system offers High Security Disarm. High Security Disarm is a feature that makes it possible to silence and reset the system while it is triggering, without disarming the system. If the system is triggered and the siren has been sounding for longer than six seconds, pressing  on the remote control will stop the trigger and return the unit to the armed state. The system will not disarm, but rather reset. This prevents you from disabling the system should you wish to disarm it without visually checking the vehicle.

Pressing  after resetting the system will disarm the system; pressing this button during the first six seconds of the triggered sequence will disarm the security system immediately. The six second timer is provided for your convenience, in case the system is accidentally triggered.

Disarming without a remote control

If your remote control is lost or damaged, you can manually disarm your vehicle security system. To disarm the system without a remote control, you must have

the vehicle's ignition key and know where the Valet® switch is located. Be sure to check with your installer at the time of installation for both the location and the preset response (1-5 presses) of the Valet® switch. The factory default setting is 1 press.

To disarm the security system, turn the ignition to the ON position.



Press and release the Valet button the preset number of times (one to five times) within 15 seconds. After five seconds, the system will disarm. If the system does not disarm, you may have waited too long; turn the ignition off and on, and then try again.



Location of Valet Button _____

Number of Presses _____

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

Silent mode

To temporarily turn off the arm or disarm chirps, use Silent Mode™. Press **AUX** for less than one second before arming or disarming, and the confirmation chirp(s) will be eliminated for that one operation only. If you want the arm/disarm chirps turned off permanently, your dealer can do this for you. The Warn Away® response to lighter impacts is bypassed if the system is armed using Silent Mode. This ensures that no chirps will be emitted by the siren in an area you want chirp-free. The system is still fully capable of triggering. Only the Warn Away® response is bypassed.

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 two seconds, and you will enter Panic Mode.

The siren sounds and the parking lights flash for the programmed siren dura-

tion. To stop Panic Mode at any time, press  on the remote control again.

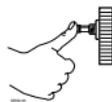
Valet mode

You can prevent your security system from automatically arming and triggering by using Valet Mode. This is very useful when washing the vehicle or having it serviced. In Valet Mode, the security system will not arm, even with the remote control, but all convenience functions (door locks, trunk release, etc.) will continue to work normally.

To enter or exit Valet Mode:



1. Turn the ignition On, and then Off.
2. Press and release the Valet button.



The status LED will light solidly if you are entering Valet Mode, and it will go out if you are exiting Valet Mode.

To enter or exit Valet Mode using the remote control:

1. Open any vehicle door.
2. Press , and then **AUX**.
4. Press  again.

The status LED will light solidly if you are entering Valet Mode, and it will go out if you are exiting Valet Mode.

Remote start

You can 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.



Never remote start your vehicle when the keys are in the ignition, except when performing Valet Take-Over - and Never start the vehicle if it is not in PARK or NEUTRAL.

To remote start the vehicle:

1. Press  on the remote control for 1 second.
2. The parking lights flash to confirm that the vehicle is attempting to start.
3. In gasoline vehicles, the engine starts 4 seconds after the parking lights flash. In diesel vehicles, the engine starts when the WAIT-TO-START indicator on the vehicle's dash goes out or the programmed delay has ended.
4. Once the vehicle has started, it runs 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.



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. 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. Begin driving.

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

During remote start operation, the system monitors the vehicle and will automatically shut down the engine if any of the following occurs.

- 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.
- Remote control button  is pressed for 1 second.

Rear defogger

To turn the rear defogger output OFF:

1. Simultaneously press & release the  +  + **AUX** buttons on the remote control.
2. The lights will flash 2 times.
3. The rear defogger output will no longer activate when the vehicle is remote started.

Important: When remote start is activated, the parking lights turn off then flash 2-times before returning to their normal output. Defogger output, if active, turns off.

To turn the rear defogger output ON:

1. Simultaneously press & release the  +  + **AUX** buttons on the remote control.
2. The lights will flash 3 times.
3. The rear defogger output will once again activate when the vehicle is remote started.

If the remote start is on, the lights turn off then flash 3-times before returning to normal output. The defogger activates as programmed.

If the temperature is greater than 55° F when remote start is activated, the rear defogger does not activate for that start.

Pit Stop

The Pit Stop 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, press and release  for 1 second - or press and release the optional momentary switch, then wait five seconds.
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.)

Pit Stop mode does not work if the brake pedal is pressed.

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

Timer mode

When you activate timer mode the system automatically starts the vehicle every three hours for a maximum of 6 starts. The pre-programmed engine runtime is 12 minutes.

- Press  and  to activate timer mode. The parking lights flash four times, and after a 1 second delay, the engine starts.
- To shutdown the engine, press the remote start button . The system remains in timer mode and will continue to start every 3 hours unless cancelled by turning on the ignition or by activating the brake, or moving the shutdown toggle switch to the Off position.
- The parking lights flash 4 times indicating timer mode is exited.

Important! Timer Mode should be used only in open areas. Never start and run the vehicle in an enclosed space such as a garage or carport.

Short-run/turbo

Short run turbo mode keeps the engine running after arriving at you destination for a programmable period of 1, 3, 5 or 10 minutes. 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 parking brake.
2. Remove your foot from the brake pedal and leave the engine running.
3. Press and release the  and **AUX** buttons at the same time. The lights flash to indicate the remote start has entered short run turbo.
4. Turn off the key, the engine will keep running.
5. Exit and secure the vehicle.
6. The engine will turn off after the programmed run time.

Safety features

This system has several important safety features to ensure proper operation of the motor and prevent accidental damage to the engine or its components.

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.

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_____

Shut down inputs

This security system uses several inputs to shut down the remote start operation of the motor or prevent remote start if certain inputs are active. The two most important are hood and brake inputs. The hood input will prevent the motor from starting, as well as shut it down, any time the hood is opened. The brake pedal will shut down the motor at any time during remote start operation, as well as preventing the remote start from activating while it is being pressed.

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, airport noise, etc.

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 security system while it is being bypassed, the 60-minute bypass period will start over. This ensures that a sensor that is continually being triggered will remain bypassed.

The vehicle doors are protected by NPC differently. If your security system is triggered by an open door for three full cycles, the system will bypass the doors until the trigger ceases.

Arming and disarming the system does not reset this function. The only ways to reset a bypassed zone are for it to not trigger for 60 minutes, or to turn on the ignition. 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 on.

Diagnosics

The microprocessor at the heart of your system is constantly monitoring all of the switches and sensors connected to it. It is designed to detect 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 sections of this guide for diagnostic information.

Arming diagnostics

If the security system is armed at the same time that an input is active (such as a door opening or sensor triggering), you will hear one siren chirp to indicate arming and a second siren chirp to indicate Bypass Notification.

A Bypass Notification chirp means that the security system ignores the input that was active when the system was armed, until that input ceases. Three seconds after that input ceases, the security system will resume normal monitoring. For example, if your vehicle has an interior light exit delay and you arm your security system before the interior light turns off, you may hear a second Bypass Notification chirp. Once the light turns off, however, the security system resumes normal monitoring.

Note: Bypass Notification does not occur when the system is in Silent Mode or if the notification chirps have been programmed off by the installer.

Disarming diagnostics

Extra chirps that are heard when disarming the system are the Tamper Alert. If four chirps are heard when disarming the system, then the security system was triggered in your absence.

If five chirps are heard when disarming the system, a zone was triggered so many times that the Nuisance Protection® Circuitry has bypassed that zone. In either case, the status LED will indicate which zone was involved (see Table of Zones section). The security system will retain this information in its memory and chirp four or five times each time it is disarmed, until the next time that the ignition is turned on.

System status chirps

The siren will chirp when arming/disarming the system. The pattern of chirps will audibly report the system's status as described below.

Action	Number of Chirps	Description
Arm	1	System armed
Arm	1 (3-second delay), 1	System armed with Bypass Notification
Disarm	2	System disarmed
Disarm	4	System disarmed with Tamper Alert
Disarm	5	System disarmed NPC active

Table of zones

A zone is represented by the number of 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 (LED Flashes)	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. Active or triggered zones will be indicated by a pattern of blinks by the LED.

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 dealer for details.

Code hopping

The receiver and remote controls use a mathematical formula called an algorithm to change their code each time the remote control is used. This technology has been developed to increase the security of the unit. The control unit knows what the next codes should be. This helps to keep the remote control “in sync” with the control unit even if you use the remote control out of range of the vehicle. However, if the remote has been pressed many times out of range of the vehicle, or the battery has been removed, it may fall out of sync with the control unit and fail to operate the system. To re-sync the remote press  several times within range of the vehicle. The alarm will automatically re-sync and respond to the remote controls normally.

Owner recognition

Owner Recognition is a feature available only from Directed. Using a Directed Bitwriter[®], 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.

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

Rapid resume logic

This Directed system will store its current state to non-volatile memory. If power is lost and then reconnected the system will recall the stored state from memory. This means if the unit is in Valet Mode and the battery is disconnected for any reason, such as servicing the car, when the battery is reconnected the unit will still be in Valet Mode. This applies to all states of the system including arm, disarm, and Valet Mode.

Power saver mode

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 on 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 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 LED illuminates steadily. If the vehicle is not used (ignition is not turned on) for a one hour period 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.

Remote programming

1. Open at least one of the vehicle's doors and turn key to the ON position
2. Within 10 seconds, press and release Valet button one time.
3. Within 10 seconds, press and hold the Valet button. The LED on the module flashes one time and the siren sounds to confirm entry into remote programming. Do not release the valet button.
4. Press the  button on the remote control. The siren sounds to confirm the remote has been programmed.
5. Release the Valet button.
6. Turn the key to the Off position. The siren emits one long chirp to confirm that remote programming has been exited.

The programming routine exits if any of the following occurs:

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

Programming options

Programming options control your system's normal, operational set-up. Most options do not require additional parts, but some may require installation labor. The following is a list of the programmable options, with the factory settings in Bold.

- **Active arming** (remote control only) or passive arming (automatic arming 30 seconds after the last door has been closed).
- Arming/disarming siren **chirps on** or off.
- The ignition controlled door lock feature on or **off**: When this feature is programmed on, the doors will lock three seconds after the ignition is turned on, and unlock when the ignition is turned off. If your installer is programming the security system with the Directed Bitwriter[®], ignition lock and unlock are independent features that can be programmed separately.

Note: the vehicles doors must be closed for the ignition controlled lock feature to work.

- Passive door locking (with passive arming) or **active door locking** (only when arming with the remote control). 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.
- Panic mode **enabled**/disabled when the ignition is turned on. (Some states have laws against sirens sounding in moving cars.)
- Forced passive arming **on** or off. If your security 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. Forced passive arming ensures that the system will be armed if a door has accidentally been left ajar when leaving the vehicle.

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.

- 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.
- Siren chirp volume. The chirps can be either full volume or **6 decibels quieter than the full alarm blast**.
- **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. Can be set up to minute increments by your installer.
- **3, 6, 9, or 12** minute timer mode run time. Your system can be programmed to allow the vehicle to run for 3, 6, 9, or 12 minutes when remote started in timer mode. Can be set up to 16 minutes by your installer.
- While the remote start system is running the engine, the parking lights of the vehicle can flash on and off or come on and **light steadily**.
- Comfort closure **Off**: A programming option which closes the vehicle's windows after remote locking.

Security & convenience expansions

Listed below are expansion options available to you. Please consult your dealer for a complete explanation of all the options available to you.

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

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

Power Locks: This system offers lock outputs that can control some manufacturers’ power door lock systems. For other systems, additional parts may be required.

Power Trunk Release: The accessory output of the system can operate a factory power release for the vehicle’s trunk or hatch. If the factory release is not power-activated, Directed®’s 522T trunk release solenoid can often be added with an optional relay (not included).

Power Window Control: Automatic power window control is provided with the 529T and 535T systems. Your windows will roll up automatically when the system is armed, or up and down when needed.

Glossary of terms

Control Unit: The “brain” of your system. Usually hidden underneath the dash area of the vehicle. The control unit houses the microprocessor which monitors your vehicle and controls all system functions.

Input: A physical connection to the system. An input can be provided by a sensor, pinswitch or by existing systems in the vehicle, such as ignition or courtesy lights.

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

Shock Sensor: This system has a dual zone shock sensor mounted in the vehicle. It is designed to pick up impacts to the vehicle or glass.

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

Trigger or Triggered Sequence: When an alarm “goes off” or “trips.” The triggered sequence of your system consists of the siren sounding and parking lights flashing for the programmed duration.

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

Warning Zone Response: Lighter impacts to the vehicle will generate the Warning Zone response. It consists of several seconds of siren chirps and parking light flashes.

Zone: A zone is a separate input that the alarm can recognize as unique. Each input to the system is connected to a particular zone. Often two or more inputs may share the same zone.

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.

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.

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 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.

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.

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.

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.



Quick reference guide

- **Arming**
To arm, press . When the system arms, you will hear a short chirp, and the parking lights will flash once.
- **Arming while driving**
To arm the system while driving, press  on your remote control while the vehicle is running. The system will chirp once and then once more to indicate that the ignition is on.
- **Disarming**
To disarm, press . You will hear two chirps, and the parking lights will flash twice.
- **High security disarm**
For high security disarm, press  on your remote control and the siren will stop sounding. To completely disarm the security system, press again and the system will chirp 4 or 5 times (reporting the trigger).
- **Disarming without a remote control**
Turn on the ignition. Press and release the Valet button the preset number of presses (1-5) within 15 seconds. The system should disarm. If it does not, you may have waited too long. Turn the ignition Off and On, then try again.
- **Silent Mode**
Pressing **AUX** briefly before arming or disarming will eliminate the confirmation chirp(s) for that one operation only.
- **Panic Mode**
Press  for 2 seconds, and you will enter Panic Mode. The siren will sound and the parking lights will flash for 30 seconds. To stop Panic Mode at any time, press  on the remote control again.



- Timer mode

Press  and . The parking lights flash 4 times, after a 1 second delay the engine starts and runs for specified duration. The system will continue to start the engine every three hours (for a maximum of 6 starts) until timer mode is cancelled.

- To remote start the vehicle

Press  for 1 second. The parking lights will turn on (if connected) and the vehicle will start and run for the programmed period of time.

- To disable the remote start system

Move the shutdown toggle switch to the OFF position.

Location of Shutdown switch _____

- Valet Takeover

While the vehicle is running, press  for 1 second, then release. Turn the ignition key to the OFF position. The vehicle runs for the pre-programmed period of time (12, 24, or 60 minutes).

- Rear Window Defogger

Press the  and  and **AUX** buttons simultaneously to turn the defogger on or off when remote starting. When a remote start is initiated, the parking lights will flash 2-times if the defogger is set to off, and will flash 3-times if the defogger is set to on.



