PYTHON

SECURITY FOR THE BEST®

Congratulations

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

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.

G5706 2016-02

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.

Contents

Getting Started

Your Responder LC remote is powered by an internal rechargeable battery that can only be serviced by an authorized Directed dealer. Due to transit and storage time prior to your purchase, the battery charge may have depleted. To ensure proper operation, check the battery level and if not fully charged, use the provided cable to connect to the USB port on a computer. See *"Battery Information (Responder LC)" on page 53* and *"Status Screen Icons" on page 8* for more information about the battery.

Charging the remote control:

1. Plug the USB end of the provided USB cable into the USB port on a computer. Insert the micro-USB connector into the micro-USB port located on the side of the remote control. The text field will display **CHARGE** to indicate the remote control is charging (The remote remains operational while charging and can command the system).
2. Once fully charged the text field will display **FULL**.
3. The remote control is then ready for use. Disconnect the cable from the remote control end first.

Note	If the battery is excessively depleted when charging, functionality may be delayed while it charges to the minimum voltage required to operate the display, after which normal charging resumes.

Keys to using this manual

Specific actions (in bold type) and style conventions are used consistently throughout this manual, they are as follows:

- **Press:** implies pushing in and releasing a button.
- **Hold:** is used after Press actions when a button needs to be held in position for an extended period of time, typically several seconds.
- **ARMED** this style denotes the text which appears in the text field portion of the Display during operations described in the manual. If the text string is too long for the text field, it then plays and loops sequentially word by word.
- *Italicized* words denote section/sub headings in this guide and can be located through the table of contents.
- An asterisk (*) when used after a word or phrase denotes that additional details can be found in related sections usually noted at the bottom of the page or end of the section.

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Responder LC Remote Control

Feature	Description
Internal Antenna	Used for transmitting and receiving information
Display	Status screen - the upper portion of the display contains status icons for the System, Siren, Alarm zones, Remote Start and Remote Control. Text field - the lower portion of display - shows the Clock, Runtime or Temperature during Remote Start, as well as Command confirmations, Page messages and programming menus.
Command Buttons (4) 🔒 🗝 AUX 🔄	Used to perform Arming, Disarming, Auxiliary channel and Remote Start commands.
Function Button *f*	Used to access function levels for commands, configuration menus for programming, Car Selection, and to request reports.
USB Port	The USB cable plugs into this port (located on remote control side).

Control Center

LED → Control Center | Button

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

- The In-vehicle system antenna, for 2-way communication.
- The Status LED, as 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.

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* See *"Remote and System Operations" on page 41* for details.
** See *"Alarm Features" on page 31* for details.

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Status Screen Icons

Status Screen Icons

Text Field
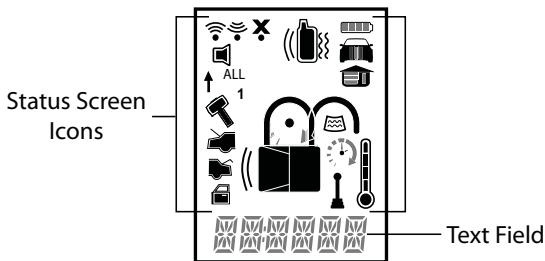
The table below describes all the status screen icons.

	Icon	Description
System Status	🔒	**Armed:** The system is Armed, the alarm is enabled.
	🔒	**Locked:** The system is Locked in Valet, the alarm is disabled.
	🔓	**Disarmed:** The system is Disarmed, the alarm is disabled.
	🔓	**Unlocked:** The system is Unlocked in Valet, the alarm is disabled.
Siren Status	◁	Siren is disabled for sensor triggers; remote is paged for all triggers (Sensor Silent Arm).
	◁ + ALL	Siren is disabled for all triggers; remote is paged for all triggers (Full Silent Arm).
Remote Start	⟳	Remote start is active, the engine is running.
	⟳	Timer Start is ON; Remote Start is ON. **Note:** When the icon is without an arrow head: Timer Start is enabled: Remote Start is OFF

	Icon	Description
Remote Start	🕐 + 🌡	Smart Start is ON; Remote Start is ON. **Note:** When the icon is without an arrow head: Smart Start is ON; Remote Start is OFF.
	🌡	Manual Transmission Start mode is enabled, the engine can be started.
	🌡	Displays the vehicle interior temperature.
	🌫	ON during Remote Start after performing the Defogger ON command.
Zone Status	((▶	ON during Warn Away and Full Trigger output.
	🗎	ON during Trunk Zone Full Trigger output and AUX/Trunk channel activation.
	⌐	ON during Fault Report to indicate the Trunk is open and bypassed when arming.
	🔨	ON during a Sensor Zone Full Trigger output.
	🔍	ON during Fault Report to indicate a Sensor is active and bypassed when arming.
	▣	ON during the Door Zone Full Trigger output.
	▢	ON during Fault Report to indicate a Door is open and bypassed when arming.
	🗎	ON during a Hood Zone Full Trigger output.
	⌐	ON during Fault Report to indicate the Hood is open and bypassed when arming.
	🚗	ON when remote is set to command the system programmed as Car 1*.
	🚗	ON when remote is set to command the system programmed as Car 2*.

	Icon	Description
Remote Control Status	▥▥▥	Bars indicate battery level is Full, ¾, ½, ¼ or Empty.
	🛜	ON while the remote control is transmitting a command.
	≋	ON while the remote control is receiving a message.
	✗	ON with Out of Range fault tone to indicate the remote failed to receive a command confirmation.
	▮	Pager ON: The remote will wake up to listen for messages.
	▯	Pager OFF: The remote will not wake up to listen for messages.
	⦚	The remote will Vibrate when messages are received.
	((	The remote will emit Beeps and Tones when messages are received.
	Text field	Displays the Clock, Runtime, Temperature, message text and feature menus.

*   This icon not present until the Car 2 is turned on in the Setup Remote configuration menu.

Using your System

Commands and Confirmations

Commands, Basic or Advanced, are used to activate system features and are performed by pressing one of the Command buttons. Basic commands control the most often used security and remote start features while Advanced commands control more specialized features and request reports.

Confirmations for Basic or Advanced commands are indicated first by siren chirps and parking light flashes, and then by Text, Icons and beeps or tones on the remote control. A description of each feature confirmation is found in the following Basic command and Advanced command sections.

Performing Commands

Perform Basic commands by pressing one of the command buttons while in the Direct Access level. Direct access is available while the text field displays the Clock, Temperature or Runtime. Perform Advanced commands by first accessing a Function Level and then pressing one of the command buttons while within that level. Function Levels are available when the text field displays LEVEL 1,2,3 or 4.

Advanced command example: Silent Arm

1. **Press** the f button once to access Function Level 1, the text field will display **LEVEL 1** .
2. **Press** the button while **LEVEL 1** text is still on to perform the Silent Arm command.
3. The system will Arm, Lock the doors and flash the parking lights without siren chirps. The Responder LC remote will display **SILENT ARMED** in the text field and update the status screen icons.

Responder LC Command table

Level / Button	Direct Access	𝑓 × 1 LEVEL 1	𝑓 × 2 LEVEL 2	𝑓 × 3 LEVEL 3	𝑓 × 4 LEVEL 4
🔒	Arm/Lock (Panic)	Silent Arm	Sensor Bypass	Sensor Silent Arm	Full Silent Arm
🗝	Disarm/Unlock	Silent Disarm	Remote Valet	Car Finder	
🎛	Remote Start	Runtime Reset	Timer Start	Smart Start	Defogger
AUX	AUX/Trunk	AUX 1	AUX 2	AUX 3	AUX 4
𝑓	Advance Level Change Car (3 sec.), Enter programming (8 sec.)	Temperature Check (2-way only)	Runtime Remaining (2-way only)	Alarm Report (2-way only)	

Fault Condition Alerts

If, when performing a command, a condition exists that does not allow activation of an Alarm feature* or Remote Start feature**, the **NOT AVAILABLE** or **REMOTE START ERROR** text and a fault tone will play.

*   Alarm feature not available when the system status is incorrect upon receiving the command (example: Sensor Bypass command is received when disarmed).
    Refer to the notes included in the following command descriptions that address these faults or go to *"Feature not Available" on page 43* for more details.

**   Remote Start feature not available when the Remote Start status is

incorrect upon receiving the command. (Example: Runtime Reset command received when remote start is OFF).

Refer to the notes included in the command descriptions that address these faults or go to *"Remote Start Error" on page 40* for more details.

Basic Commands (Direct Access)

Arm
Press and release 🔒

The alarm arms, doors lock (if connected), and the siren
chirps and parking lights flash once. The **ARMED** text and beeps play
to confirm and the System Status Icons update. If Valet Mode* is ON,
the doors lock and the **VALET** text and tone play. Exit Valet Mode to
arm the alarm normally.
If a Trigger Zone Fault is detected the siren chirps once again and the
Trigger Zone Fault report** plays.

To Arm and Panic
Press and **hold** 🔒

The alarm Arms (or Locks in Valet) and, after two seconds, sounds
the siren and flashes the parking lights. The **PANIC** text and siren
tones play to confirm. **Press** the 🔒 or 🗲 button to stop the output.

Disarm
Press and release 🗲

The alarm disarms, doors unlock (if connected), and the siren chirps
and parking lights flash twice. The **DISARM** text and beeps play to
confirm and the system status icons update. If Valet Mode* is ON, the
doors unlock and the **VALET** text and tone play. Exit Valet Mode to
control the system normally.
An alarm report replaces the disarm output if the alarm was triggered.
The siren chirps four or five times and the **DISARM** text is replaced by
the Alarm report. **

AUX/Trunk
Press and hold ⒶⓊ

The Trunk opens (if connected) when this button is pressed for two seconds. The **TRUNK** text and tones play to confirm.

Remote Start
Press and release ⛢

Activates (or if ON, deactivates) the remote starter. The engine and parking lights turn on and the **REMOTE START ON** text and tones play, or the engine and parking lights turn off and the **REMOTE START OFF** text and tones play to confirm, the Remote Start status icons update. The ⛢ icon will display in the status screen and the text field will display the Runtime, Temperature or Clock as programmed. If Remote Start fails to activate, **REMOTE START ERROR** text and a fault tone play while the parking lights flash to identify the fault.***

Commands

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Advanced Commands: (Level 1)

Press and release the f button one time first, before pressing one of the following command buttons.

Silent Arm
Press and release 🔒

The alarm arms, doors lock (if connected), and the parking lights flash once. The **SILENT ARMED** text plays to confirm and the System Status icons update. Valet mode* or Trigger Zone Fault report** messages may be received.

Silent Disarm
Press and release 🔑

The alarm disarms, doors unlock (if connected), and the parking lights flash twice. The **SILENT DISARM** text plays to confirm and the System Status icons update. Valet mode* or Alarm report** may replace the Silent Disarm text.

AUX 1
Press and release (AUX)

Activates (or if ON, deactivates) the AUX 1 output. The **PULSED** text and ON tones or OFF tones play to confirm.

Runtime Reset
Press and release �

If more time is needed while remote start is active, runtime reset will reset the runtime counter to the pre-programmed setting. The **RUNTIME** text and tones play to confirm. The text field will update if set to display runtime.

Note	Remote Start must be ON to use Runtime Reset.

Temp Request
Press and **hold** the *f* button

Requests the vehicle's interior temperature and temporarily displays it via status screen icon 🌡 and text field.

Commands

Advanced Commands: (Level 2)

Press and release the f button two times first, before pressing one of the following command buttons.

Sensor Bypass
Press and release 🔒

The parking lights flash each time this command is received to indicate the Sensor bypass type.

- **Warn Away bypass**: Two flashes indicates sensor Warn Away zones are bypassed. **BYPASS WARN**, one beep and one fault tone play to confirm.
- **Warn Away and Full Trigger Bypass**: Three flashes indicates sensor Warn Away and Full Trigger zones are bypassed. **BYPASS FULL**, one beep and two fault tone play to confirm.
- **Sensor Bypass Off**: One flash indicates sensor bypass is OFF, **BYPASS OFF** and one beep plays to confirm.

Note   System needs to be armed to perform Sensor Bypass. Perform arm command any time to turn Sensor Bypass OFF.

Remote Valet
Press and release ◇

Enters (or if ON, exits) Valet Mode. The **VALET** text and beeps (one for ON, two for OFF) play to confirm and the System Status icons update and the Control Center LED turns on and off accordingly. See for more details.

AUX 2
Press and release (AUX)

Activates (or if ON, deactivates) the AUX 2 output. The **PULSED** text and ON tones or OFF tones play to confirm.

Timer Start*
Press and release ⟳

Activates (or if ON, deactivates) Timer Start. The parking lights flash quickly four times for ON and slowly four times for OFF. The **TIMER START ON** or **TIMER START OFF** text and beeps play to confirm and the Remote start status icons update.

Note	System needs to be armed or Timer Start will not start the engine.

Runtime Remaining
Press and hold the **f** button

Requests the remaining Remote start runtime and temporarily displays it in the text field.

Note	Remote Start must be ON to use this feature.

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* See *"Advanced Start" on page 36* for more details.

Advanced Commands: (Level 3)

Press and release the f button three times first, before pressing one of the following command buttons.

Sensor Silent Arm*
Press and release 🔒

The alarm arms, doors lock, the siren chirps and parking lights flash three times. The **SENSOR SILENT ARM** text and beeps play to confirm and the System and Siren Status icons update.

Car Finder
Press and release ◇

The siren emits one long chirp and the parking lights flash for 10 seconds. The **CAR FINDER** text and beeps play to confirm. The parking light flashes stop if Armed or Disarmed while Car Finder is in progress.

AUX 3
Press and release (AUX)

Activates (or if ON, deactivates) the AUX 3 output. The **PULSED** text and ON tones or OFF tones play to confirm.

Smart Start**

Press and release ⠐⠂⠆

Activates (or if ON, deactivates) Smart Start. The parking lights flash quickly five times for ON and slowly five times for OFF. The **SMART START ON** or **SMART START OFF** text and beeps play to confirm and the Remote start status icons update.

Note	System needs to be armed or Smart Start will not start the engine.

Alarm Report*

Press and **hold** the f button

Requests a report of the most recent triggers and temporarily displays it in the text field. The report clears when the ignition is turned on.

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* See *"Alarm Features" on page 31* for more details.

** See *"Advanced Start" on page 36* for more details.

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Advanced Commands: (Level 4)

Press and release the f button four times first, before pressing one of the following command buttons.

Full Silent Arm*
Press and release 🔒

The alarm arms, doors lock, and the siren chirps and parking lights flash four times. The **FULL SILENT ARM** text and beeps play to confirm and the System and Siren Status icons update.

AUX 4
Press and release (AUX)

Activates (or if ON, deactivates) the AUX 4 output. The **AUX CHANNEL** text and ON tones or OFF tones play to confirm.

Defogger**
Press and release ⋮⟲

Activates the vehicle Defogger circuit (if connected) while Remote Start is activated. The **DEFOG ON** text and beeps play to confirm and the Remote Start status icons update. For convenience, the Defogger circuit will also automatically activate 10 seconds after remote starting if the temperature is below 55°F.

Note	Remote Start must be active to use this feature.

* See *"Alarm Features" on page 31* for more details.
** This feature must be installed and turned on by an authorized Directed dealer.

Responder LC Configuration

Operations of the Responder LC and how it communicates messages are set in the configuration Main Menu.

Navigating Menus and Options
Navigating menus and features, changing options, and exiting are performed using the remote control buttons. The following instructions discuss how to access and configure the settings.

Button Operation
- To **access** menus, **set** options, and to **perform** actions that are displayed in the text field, use the f button.
- To **scroll** the menu lists in the text field use the (AUX) or :•) buttons.
- To **exit** configuration: use the 🔒 or 🗲 buttons.

Access Menu Items
1. **Press** and **hold** the f button for eight seconds, the remote will beep once, **MAIN MENU** is displayed. (If Car 2 is on, ignore the Car Select text and beep after three seconds).
2. **Release** the f button to display the Main Menu item list, **SETUP REMOTE** is displayed.
3. The Main Menu has been accessed and configuring can begin. Use the following process to view the Main Menu features, options and settings in the text field. The following actions are commonly used throughout the configuration operation.
   - **Press** the (AUX) or :•) buttons to change the feature or option that is displayed in the text field.
   - **Press** the f button to choose the feature in the text field and view its options. **Press** it when the desired feature or option is in the text field to set it as the new setting.

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Main Menu

The following Main Menu list of features is available for configuration of the remote control.

Setup Remote Menu:
Keypad Lock
Options: `OFF` , `AUTO`

When `OFF` , the buttons do not lock and always perform a command when pressed. When set to `AUTO` , the remote buttons lock after a 20 second lapse between buttons presses to prevent unintentional operations. If a button is pressed when locked a fault tone plays as an alert followed by unlock instructions in the text field.

To unlock the buttons, **press** the f button followed by the $\lessgtr$ button. The unlock tones play and `READY` is displayed in the text field, a command can now be performed.

Auto unlocking
After turning the ignition off, a message to the remote will unlock the keypad buttons the next command is performed. If Auto Unlocking is not desired this message can be turned off by an authorized Directed Dealer.

Page Mode
Options: `POWER SAVE` , `OFF` , `ON`

Paging is how the Responder LC remote monitors your system's messages. `POWER SAVE` extends battery life by turning Paging

OFF after one week if the remote control is not used during this period. Just press any button to resume system monitoring. When set to **ON** it wakes up every few seconds to listen for pages from the system. When set to **OFF** it does not wake up to receive remote start or alarm trigger pages.

Note: When **OFF**, responses are still received when a command is performed but alarm trigger pages will not be received.

Page Alert
Options: **TONE VIBE** , **TONE** , **VIBE** , **SCREEN ONLY**

There are several ways for the Responder LC to alert you when it has received a message from the system.
TONE VIBE will alert by both emitting tones and vibrating the remote. Select **TONE** to be alerted by tones that are unique for each message. Select **VIBE** and the Responder LC will silently alert you with a gentle vibration, or select **SCREEN ONLY** when you don't want to be interrupted.

Remote Start Info
Options: **RUNTIME** , **TEMP** , **CLOCK**

The text field can be set to display the information you prefer during remote start. **RUNTIME**: Remote Start Runtime, **TEMP**: vehicle interior Temperature, or the **CLOCK** will be displayed in the text field while Remote Start is on.

Configurations

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Runtime Alert
Options: **ON** , **OFF**

The main unit will send a page to alert you when the runtime is about to expire. When set to **ON** , an alert is generated when the Remote Start Time-out message is received. When **OFF** , no alert output is emitted for the message.

Car 2
Options: **OFF** , **ON** , **HOME**

This remote can control two systems independently. When set to **OFF** , the Car 2 select option is not available. When set to **ON** the remote can be set to control two systems. The **HOME** option is for pairing to an optional garage door opener.

Screen Color
Options: **OFF** , **WHITE** , **CYAN** , **MAGENTA** , **BLUE** , **YELLOW** , **GREEN** , **RED** ,

The status screen backlighting can be **OFF** , or will illuminate with a selected color during output when set to one of the option colors.

Temp Unit
Options: **F** , **C**

Temperature can be displayed in your choice of temperature scales, **F**ahrenheit or **C**elsius.

Button Beep
Options: **ON** , **OFF**

When set to **ON** , the remote will emit a beep as confirmation of a button press. When set to **OFF** , beeps are not emitted for button presses.

System Type
Options: **SEC** , **RKE**

Selects the type of system, namely; **Sec**urity or **R**emote **K**eyless **E**ntry to which the remote has been paired, and adjusts the text and main menu accordingly. This has been pre-set by the factory for your system.

Clock Set
Options: **HOUR** , **MIN**

Review
Displays firmware version.

Exit
Exits and returns to the main menu.

Sensor Adjust:
If you feel your security system shock sensor is too sensitive or not sensitive enough, it is highly recommended that you contact your authorized Directed dealer and have the sensor adjusted for optimized security detection performance.

Configurations

Remote Pairing

Remote Pair is a process where the Responder LC and the system in the vehicle learn each others encrypted identification, securing their communication from intruders. Please note that your remote controls come already paired from the factory. However, if you wish to add a new remote control, the following instructions step you through pairing the LCD 2-way remote control to your system.

Note	Both the remote control and the vehicle need to be prepared to initiate pairing.

Prepare the New Remote to be Paired with the System

1. Make sure the remote control is set for the desired Car 1 or Car 2 operation.
2. **Press** and **hold** the f button for eight seconds. The remote beeps once, **MAIN MENU** is displayed (If Car 2 is on, ignore the Car Select text and beep after three seconds).
3. **Release** the f button to display the Main Menu item list, **SETUP REMOTE** is displayed.
4. Press the (AUX) or 💬 button until **PAIR REMOTE** is displayed in the text field.
5. **Press** and **hold** the f button until the remote beeps three times then release the f button.
6. The remote control is now ready for pairing.

Note: The remote will exit Pairing Mode if there is no activity within 30 seconds.

Prepare the Vehicle System to be Paired with a New Remote

1. **Open** at least one of the vehicle's doors.
2. **Turn** the key to the On position.

3. Within five seconds **press** and release the Control Center button on the Control Center once.
4. Within five seconds, **press** and **hold** the Control Center button. The status LED will flash one time and the siren will chirp once to confirm the system is ready for remote pairing.
5. **Release** the Control Center button and proceed below.
6. **Press** the ⌂ button on the remote control.
7. Wait several seconds for feedback as the remote generates a security encryption and sends it to the Control Center. If Pairing is successful the siren sounds and the remote emits several tones. The screen displays if the Pairing is successful or has failed with corresponding text. If pairing failed, repeat step 6.
8. Once the remote has been paired to the system, turn off the Ignition, the siren sounds to confirm the exiting of pairing mode.
9. To exit Pairing Mode on the remote control press the ⟩⟩ button

Pairing on the System will Exit if:
- The open door is closed.
- The ignition is turned off.
- There is no activity for 60 seconds.
- The Control Center button is pressed too many times.

Demo Mode
Demo Mode plays a pre-selected group of animations as a demonstration tool to show friends or family. Running Demo Mode shortens the battery life over time if used excessively.

- **SINGLE SILENT** : The remote will display a selection of icons on the status screen without beeps and tones then stop.
- **SINGLE SOUND** : The remote will display a selection of icons on the status screen with beeps and tones then stop.

Configurations

Power Off

When an extended period of non-operation is anticipated, turning the power off will preserve the battery charge. **Press** the *f* button while **POWER OFF** is displayed. The status screen icons clear as the power off tones play, the remote is turned off.

To turn the remote on, **Press** and **hold** the *f* button for three seconds, the status screen icons refresh as the power on tones play. The remote also turns itself on and begins charging when the battery charger is connected.

Exit

To return to normal operation, press the *f* button while EXIT is displayed.

Alarm Features

Normal Arm Protection

Status LED: The Control Center Status LED flashes as a visual indicator that your vehicle's security system is active.

Failsafe® Starter Disable: The Failsafe Starter Disable relay prevents the engine from starting.

Note	May require additional parts and installation.

Sensor triggers: The shock sensor can distinguish minor impacts from major impacts to the vehicle exterior. Minor impacts causes the system to emit a Warn Away output by chirping the siren and flashing the parking lights for three seconds. Major impacts caused for example by a forcible entry attempt, results in a Full Trigger output. The siren sounds and the parking lights flash for 30 seconds or longer. Both Warn Away and Full Triggers send a message to the remote control.

Point of entry triggers: Opening the hood or trunk causes a Full Trigger output, while opening a Door or turning on the Ignition causes the siren to chirp three seconds before beginning the Full Trigger output. This three second delay allows time to disarm and silence the siren in case of accidental trigger. The Full Trigger message is still sent to the remote.

Sensor Silent Arm Protection

Sensor Warn Away and Sensor Full Trigger activations only send messages to the remote, while the parking light flash and siren outputs are defeated. Point of entry triggers will activate the parking light flash, siren, and send messages normally.

Feature Details

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Full Silent Arm Protection

Sensor Warn Away, Sensor Full Trigger and Point of Entry activations will only send messages to the remote, with parking light flash and siren outputs defeated.

Sensor Warn Away Messages

When the remote receives a Sensor Warn Away message it emits 10 beeps (if on) and displays a sensor zone specific **SENSOR WARN** text for 30 seconds. Warn Away messages cannot be reviewed or displayed in reports.

Full Trigger Messages

A Full Trigger message generates a Full Trigger output of siren tones and zone specific **TRIGGER** text followed by an alert that consists of one long beep per minute for 10 minutes. To stop the output and alert, **press** a command button to perform a command, or **Press** the *f* button.

Emergency Override

The following procedure disarms the system when a programmed remote is not available. Number of presses ___

1. **Turn** the ignition On.
2. **Press** and release the Control Center button on the Control Center the correct number of times (the default is one press).
3. After a few seconds, the siren output ceases, and the system is disarmed.

Note	As a precaution, if programmed for Passive Arming or Auto re-arming the system should be placed into Valet Mode until a remote is available .

Trigger Zone Fault Report

When armed by remote command the system runs a status check of the alarm trigger zones. Faulty zones (usually caused by dome light delay or open trunk) are bypassed and reported via the control center LED and remote, while all other trigger zones remain active and are monitored to protect the vehicle. Should a faulty zone self correct (dome light turns off) it becomes active and is then monitored normally.

The siren chirps once again a few seconds following the arming chirps as an audible alert, the Control Center LED flashes in groups to indicate the zone number. The remote will emit a single fault tone and play zone specific text that identifies the faulty zones.

Alarm Report when disarming

The most recent alarm triggers (if any) are reported when the alarm is disarmed via the remote control, siren chirps, parking light and Control Center LED flashes. The siren chirps four times (or five times if NPC ON*), the parking lights flash three times, and the control center LED flashes in groups to indicate the last two zones that were triggered (see *Table of Zones*). The **DISARM** text is replaced by **ALARM REPORT** and text identifying the triggers.

Feature Details

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* See *"NPC (Nuisance Prevention Circuitry)" on page 34* for more details.

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Table of Zones	
Zone # (led flashes)	Zone Name
1	Trunk
2	Shock Sensor
3	Door
4	Sensor 2
5	Ignition
6	Hood

Alarm Report when requested

The Alarm Report displays the two most recent alarm triggers depending on the system state when requested. When disarmed, the report will display text to identify the two most recent triggers since the vehicle was last driven. When armed, the report will display text to identify the two most recent triggers since the system was armed.

Note	The Alarm Report clears when ignition is turned ON.

NPC (Nuisance Prevention Circuitry)

NPC monitors all alarm zones and, if any are triggered excessively, bypasses them until corrected. If a point of entry (trunk, hood, door) is left open following a forced entry, it is bypassed. It becomes active again only after being closed.

Bypassed sensors automatically reset after one hour and after the vehicle is driven. Disarming then re-arming the alarm does not reset bypassed sensors.

Remote Start Features

Key Takeover
When you are ready to drive.

The system keeps the engine running until the vehicle is ready to be driven. To perform Key Takeover:
1. **Disarm** the system and **enter** the vehicle, <u>do not</u> step on the foot brake.
2. **Insert** the key, **turn** it to the run position, and then **step** on the foot brake, the remote start then turns off.
3. The parking lights turn off to indicate remote start is off, and then after a few seconds the remote plays the **REMOTE START OFF** message.
4. The vehicle is ready to drive.

> Note   Some Push-to-Start vehicles will not allow the key takeover feature, check with your installer for more details.

Remote Start Safelock
Remote start safelock makes sure the doors are locked while the engine is running and after, even if they are unlocked when remote start is activated. Door locks may require additional parts and labor.

Disabling Remote Start
Remote start can be disabled by moving the Toggle Switch to the OFF position. If remote start is attempted while OFF, the engine will not start (see *"Remote Start Error" on page 40*). Move the switch back to the ON position to resume normal operation.

Feature Details

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Advanced Start

The Advanced start features Timer Start and Smart Start will automatically start the engine to maintain battery charge or combat extreme cold when parked for an extended period of time.

Precautions for the Advanced Start features:

- **Park** the vehicle in a well ventilated area away from windows and doors that lead into inhabited spaces.
- **Arm/Lock** the vehicle, the engine will not start unless the doors are locked.
- Only one Advanced Start feature can be enabled at any given time.
- For manual transmission vehicles MTS Mode must be enabled before Timer Start or Smart Start can be activated.
- Timer Start or Smart Start mode automatically exits when the vehicle is disarmed.

Timer Start operation

Activation begins a countdown timer as set by the installer (default three hours). When the timer expires the engine starts and the **REMOTE START ON** message is sent to the remote control. When the Remote start runtime expires the engine shuts off, the **REMOTE START OFF** message is sent to the remote control and the countdown timer restarts. This will repeat as many times as set by the installer (default 6 starts). Timer Start is exited after the final start.

Smart Start operation

Smart Start uses the settings for Timer Start in addition to temperature and battery level to automatically start the engine. Activation begins the countdown timer. When the timer expires the vehicle interior temperature and battery level is checked and, if the Temperature is above

100°F, below 0°F, or the battery level is below 10.5V, the engine will start and the **REMOTE START ON** message will be sent to the remote controls. When the Remote start runtime expires the engine shuts off, the **REMOTE START OFF** message is sent to the remote control and the countdown timer restarts. Smart Start is exited after the final start.

Note | The temperature and battery thresholds can be changed by an authorized Directed dealer if a higher or lower threshold is desired.

Temperature Reporting

During Remote start the vehicle interior is checked regularly for temperature changes. If a change in temperature is detected this report will be sent to the remote for display. Each time the remote receives this report it will beep, update, and display the newest temperature information using the Temperature Gauge icon.

Note | Temperature report must be turned on by an authorized Directed dealer.

Remote Start Time-out Alert

During remote start a message is sent three minutes before and again at one minute before the engine turns off. The **RUNTIME LOW** text plays with tones as an alert to reset the runtime if desired.

Pit Stop Mode

To exit vehicle with engine running.

The system keeps the engine running during short trips into the house or convenience store. To perform Pit Stop:

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Feature Details

1. With the engine running, **set** the parking brake and **release** the foot brake.
2. **Press** the ☼ button, the parking lights will turn on and the **REMOTE START ON** message will play on the remote control.
3. **Turn** the key to off, and **remove** it from the ignition, the engine continues running for the programmed runtime.
4. **Exit** the vehicle and **arm** the alarm.

Note | For Pit Stop Mode on manual transmission vehicles follow the directions in the *MTS Mode* (*Manual Transmission Start*) section with the door open.

MTS Mode (Manual Transmission Start)

When installed into a manual transmission vehicle, the system requires that the MTS Mode is properly set when parking. If MTS Mode is not properly set or is defeated after being properly set, the system will not start the engine and the **REMOTE START ERROR** text and tones play as an alert.

1. With the engine running, **place** gear shifter in neutral position, **press** the foot brake, then **set** the parking brake and leave the engine running. For Pit Stop Mode (to leave the engine running after arming), **open** the driver door..
2. **Release** the foot brake. As long as the engine is running there is no time limit to perform this step.
3. Within 20 seconds of foot brake release, **press** any command button on the remote, after 20 seconds return to Step 2 (For Turbo Timer Mode, **press** the optional dash mounted activation button or send the Timer Mode command).
4. The parking lights flash five times to confirm MTS Mode enable and the remote start activates the ignition outputs. The

REMOTE START ON text and beeps play to confirm.

5. **Turn** OFF and **remove** the key from the ignition switch, the engine remains running.
6. **Exit** the vehicle, **close** all the doors and **arm** the system.
7. The engine turns off and after a few seconds, the **REMOTE START OFF** message plays to confirm. If the door is opened in Step 3 then the engine continues to run.

Turbo Timer Mode

The system keeps the engine running for the Turbo Timer runtime and can be activated by remote control or optional dash mounted activation button.

1. With the engine running, and car in neutral, **set** the parking brake.
2. **Press** the optional dash mounted activation button <u>or</u> perform the Timer Mode command (for manual transmission vehicle see previous MTS mode section).
3. The parking lights turn on and the remote start activates the ignition outputs. The **REMOTE START ON** text and beeps play to confirm.
4. **Turn** OFF and **remove** the key from the ignition switch, the engine remains running.
5. **Exit** the vehicle, **close** all the doors and **arm** the system.
6. The engine runs for the Turbo Mode runtime.

Note	Turbo Timer must be turned on by an authorized Directed dealer.

Note	For Turbo Timer mode on manual transmission vehicles follow the directions in the *MTS Mode* (*Manual Transmission Start*) section with the door open and in step 2 send the Timer Mode command from the remote control.

Feature Details

Remote Start Error

For user safety, the system <u>must</u> be properly configured or remote start will not activate. If the remote start fails to active, refer to the following table for the screens and parking light flashes that will identify the configuration issue and resolution.

Flashes *	Possible Fault	Solution
5	Brake ON	Release foot brake
6	Hood open	Close hood
7	After performing Remote Start command - MTS not enabled	Enable MTS mode
	After performing Timer Start or Smart Start command	Check all Solutions
8	Toggle Switch OFF	Turn switch ON
None	Alarm is triggered	Disarm or reset alarm

* Refers to the number of parking light flashes.

Remote and System Operations

Passive Arming*

Park and **exit** the vehicle. After the doors are closed the Passive Arming countdown begins. The led flashes quickly and upon reaching 20 seconds the siren then chirps once. At 30 seconds the system arms itself.

Anytime before the system arms you can re-enter the vehicle or open the trunk to load or unload items and, after closing passive arming resumes.

To stay secure in case of accidental disarming the system, if a door is not opened within 30 seconds the system re-arms itself and locks the doors.

Auto Re-arming*

Auto re-arm ensures the vehicle stays protected if it is not entered after disarming by remote control. After disarming by remote, the alarm automatically re-arms itself (and locks the doors if programmed on) in 30 seconds. Open any point of entry to stop the re-arm until the next disarm by remote.

Onetime Bypass*

Turn the ignition ON for one to three seconds and then OFF. The siren chirps once to confirm one-time bypass is enabled.

One-time bypass can be used to temporarily bypass the Passive arming operation for one cycle. It also bypasses the comfort closure and auxiliary channel outputs programmed to activate when arming. After the next disarm all operations return to normal.

Feature Details

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* These features must be turned on by an authorized Directed dealer.

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Valet Mode

Valet mode can be entered and exited by performing the Remote Valet command or manually using the vehicle key and the control button. When entered, the alarm functions are defeated while the convenience features still operate normally.

Arm and Disarm commands lock and unlock the doors while the **VALET** text and beeps play to confirm.

Use the following steps to manually enter and exit Valet Mode:
1. **Turn** the ignition switch ON and then OFF.
2. Immediately **press** and **release** the Control Center button once.
3. The Control Center LED turns on when entering, and off when exiting.

Power Save

To reduce power consumption the control center status LED modifies its output if the vehicle is parked for an extended period. If Armed the flashing is reduced after 24 hours. When Valet mode is ON, the LED will turn off one hour and will reset each time the ignition is turned off.

Rapid Resume

If power is disconnected by a mechanic or thief, the system will retain the last state that it was in when power is restored.

Automatic Remote Updates

The system sends a silent message to all remote controls after any major action has occurred. When the remote receives this message it updates the status screen icons. This way all users are able to quickly review the system status just by accessing the status screen.

Out of Range

Each time a command is performed the remote will expect a command confirmation from the system. If a command confirmation is not received the out-of-range icon (✖) and a fault tone will play as an alert.

No Remote Output

Occasionally when a command is performed the remote may not generate a command confirmation output or Out of Range output. This indicates that the system received the command but it was an incomplete command (e.g. AUX button pressed too short to activate the trunk release) or it was an illegal message (e.g. the command was corrupted due to local RF interference). These are temporary normal functions of the system and remote, perform the command again within 10 seconds to return to normal operation.

Feature not Available

The **NOT AVAILABLE** message is a generic one which varies in cause and solution depending upon the command used:

Command	Cause	Reason/Solution
Runtime Reset	Remote Start is OFF.	Only available when Remote Start is ON.
Sensor Bypass	System is not armed.	Only available when system is armed.
Defroster	Remote Start is OFF. Not configured for this.	Only available when Remote Start is ON. Only available when configured for Defroster control.

Car Select (LCD 2-way)

Car 2 OFF must first be turned ON (see *Remote Features Menu* under *"1-way Remote Control Configuration" on page 47* to turn ON).

1. **Press** and **hold** the f button for three seconds. The remote beeps once or twice and will display `CAR 1` or `CAR 2` in text to indicate the selected Car is 1 or 2.
2. **Release** the f button, then **press** and release once more while `CAR 1` or `CAR 2` text is displayed to perform Car Select. Once the car is selected a command can be performed by pressing one of the command buttons.

Note: If the f button is held for 12 seconds, the remote will enter the remote configuration mode.

1-Way Companion Remote Control

Level Button	Direct Access	f × 1 LEVEL 1	f × 2 LEVEL 2	f × 3 LEVEL 3	f × 4 LEVEL 4
🔒	Arm/Lock (Panic)	Silent Arm	Sensor Bypass	Sensor Silent Arm	Full Silent Arm
🔑	Disarm/ Unlock	Silent Disarm	Remote Valet	Car Finder	
⟳	Remote Start	Runtime Reset	Timer Start	Smart Start	Defogger
AUX	AUX/Trunk	AUX 1	AUX 2	AUX 3	AUX 4
f	Not Used	Used to access function levels for Advanced Commands (f with multiplier in top row implies button presses)			

Using the 1-Way Companion Remote

The companion 1-way remote commands the system features as shown in the previous table, but without the message display of the Responder LC remote. Siren chirps and parking light flashes are used to indicate that a command has been received and activated as described in the *Basic* and *Advanced Command* sections.

Accessing Commands

Similar to the Responder LC remote, Basic commands are performed when a command button is pressed directly. To perform Advanced Commands **press** the f button one to four times to access function levels, f x4 in the table for example implies pressing f four times. The LED flashes in groups for a few seconds to indicate the level. **Press** the desired command button <u>while</u> the LED is flashing to perform the command.

1-Way

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Button Auto Lock

When ON, the remote control buttons lock if more than 20 seconds lapses between button presses. If a button is pressed when locked, a fault tone is emitted. To unlock the buttons; **press** the f button followed by the $\widehat{\diamondsuit}$ button, the buttons unlock and tones play to confirm.

Note: If the button beeps have been turned OFF on the 1-way remote control, then the remote will not respond to any button presses other than the unlocking sequence. It is recommended to keep the button press beeps programmed ON.

Car Select

Car 2 <u>must</u> first be turned ON (see *Remote Features Menu* under *"1-way Remote Control Configuration" on page 47* to turn ON).

1. **Press** and **hold** the f button for three seconds. The remote flashes the LED and beeps once or twice to indicate the selected Car is 1 or 2.
2. **Release** the f button, then **press** and **release** while the LED and beeps continue to perform Car Select. Once the car is selected a command can be performed by pressing one of the command buttons.

Note: If the f button is held for 12 seconds, the remote will enter the remote configuration mode.

1-Way Remote Control Configuration

The remote controls have operations that can be configured to a user's personal preferences. The following instruction will direct you through the available configuration and programming options for the 1-way remote control.

Remote Features:

Enter programming

1. **Press** and **hold** the f button for eight seconds, the transmit LED turns on, **release** the f button.
2. Within 30 seconds, **Press** and **release** the 🖐 button for two seconds, the transmit LED flashes then turns on solid.
3. The remote is now ready for configuration. **Press** the buttons shown in the tables below to set the desired feature options.

The 1-way remote flashes the transmit LED to indicate the setting.

Feature	Button Press	LED on	LED off
Keypad Lock	🔒	Auto	Off*
Remote Beeps	🖐	Beeps On*	Beeps Off
Car 2	🌙	Car 2 On	Car 2 Off*

* Indicates default setting.

4. To save the changes once the remote has been configured, **press** the f button twice, the transmit LED will shut off to confirm exiting.

Note: The remote automatically exits the configuration mode if no buttons are pressed for 30 seconds, allowing the remote exit programming this way does not save any of the feature changes.

Feature Descriptions:

Keypad Lock
Options: **Off**, Auto

When Off, the buttons do not lock and will always perform a command when pressed. When set to Auto, the remote buttons will lock after a 20 second lapse between button presses to prevent unintentional operations. If a button is pressed when locked a fault tone plays as an alert.

To unlock the buttons, press the f button followed by the $\lozenge$ button. Tones will play to confirm unlocking.

Note: If the button beeps have been turned off on the 1way remote then the remote will not respond to any button presses other than the unlocking sequence. It is recommended to keep the button press beeps programmed on.

Remote Beeps
Options: **On**, Off, Triggers Only

The Responder LE and companion remotes emit a beep as confirmation of button presses this also applies to command responses and trigger alerts for the 2way remote control.

When set to Off, beeps will not be emitted for any operations except for programming (including alarm triggers for the 2way remote if applicable).

Triggers Only, beeps will only be emitted for Full Trigger Messages on the 2way remote (if applicable).

Car 2
Options: **Off**, On

The Responder LE and 1way companion remote controls can control

two systems independently. When set to Off, the Car Select feature is not available. When set to On, the Car Select feature is enabled. See "Car Select" (under Remote and System Operations) for detail on using a remote with two systems.

Remote Pairing
Please note that your remote controls come already paired from the factory. However, if you wish to add a new remote control, the following instructions step you through pairing the 1-way remote control to your system.

Note: Both the remote and the vehicle will need to be prepared to pair a remote to the system.

Prepare the remote for pairing:
1. Make sure the remote control is set for the desired Car 1 or Car 2 operation.
2. **Press** and **hold** the f button for eight seconds, the transmit LED will turn on, release the f button.
3. Within 30 seconds **press** and **hold** the ☼ button for two seconds, the transmit LED flashes then comes on, **release** the ☼ button.
4. The remote is now ready for pairing.

Prepare the vehicle system for pairing:
1. **Open** at least one of the vehicle's doors.
2. **Turn** the key to the ON position.
3. Within five seconds, **press** and release the Control Button on the Control Center one time.
4. Within five seconds, **press** and **hold** the Control Button. The status LED will begin flashing and the siren will sound one time to

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confirm the system is ready for pairing.

5. **Release** the control button.
6. **Press** the 🔒 button on the remote. The siren will sound to confirm pairing.
7. Once the remote has been paired to the system, **turn** off the Ignition, the siren will sound to confirm the exiting of pairing mode.
8. To exit the pairing mode on the remote, **press** the *f* button twice, the transmit LED will shut off to confirm exiting.

Pairing on the system exits if:
- The open door is closed
- The ignition is turned off
- There is no activity for 60 seconds
- The control button is pressed too many times

System Expansion Options

> **Note** These features must be turned on by an authorized Directed dealer.

Controlling Two Vehicles (Car Select)

The Responder LC and 1way companion remote can control systems in two different vehicles saving the need for multiple remote controls. This feature also allows for customized system configurations on each vehicle that has more than one driver. See *Owner Recognition* for details.

Owner Recognition

The system can be configured to recognize the remote used when disarming and change selected features to match the remote users preferences. Memory seat adjustment, siren chirps, passive arming, remote button auto unlocking, alarm output duration can all be custom set for each remote user at the time of installation.

Comfort Closure

Comfort Closure emulates turning the key in the door cylinder or holding the lock button of an OEM keyless entry. It will automatically close the windows and sunroof on vehicles with this type of OEM convenience feature.

Siren Output Duration

The length of time the siren sounds can be adjusted from 1 to 180 seconds at the time of installation.

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Arming and Warn Away Chirp Control
The system Arm, Disarm and Sensor Warn Away chirps can be configured for those that prefer a custom silent alarm operation.

Driver Door Priority Unlocking
The door unlocking operation can be configured to emulate an OEM style of driver priority unlocking for added security during disarming.

AUX (Auxiliary) Channels
The AUX Channel outputs of this system can activate many of the convenience features found in today's vehicles. Once a command is performed to activate a convenience feature the Responder LC displays text that matches the feature. The system installer can clarify if any of the below listed features are compatible with your vehicle.

- Trunk release
- Windows open/close
- Left Sliding door open/close
- Right Sliding door open/close
- Rear Hatch open/close
- Sunroof open/close
- Audio system
- Headlights

Battery Information (Responder LC)

The Responder LC remote control is powered by an internal rechargeable battery that can be serviced <u>only</u> through an authorized Directed Electronics dealer. The information and precautions in this section can help maximize your battery's life and usage in providing your Responder LC remote control with many years of trouble free operation.

> ⚠️ **Warnings!** NEVER use a cable other than the one provided or plug into an unspecified source. Injury, severe damage or explosion may occur when connected to any other products or used in a way not intended.
>
> Charging the battery when the temperature is below 32°F (0°C) or above 113°F (45°C) may cause severe battery damage and/or reduce battery life. Avoid placing the remote control in areas exposed to extreme cold or heat (direct sunlight) when charging the battery.

Low Battery

After a command is performed the Responder LC and 1-way companion remote controls check their battery level and, when the level requires attention, will begin generating alerts. Once the alerts begin they will continue to command the system for several days but should be charged at the earliest opportunity or failure to control the system may occur.

Low Battery Alerts

When disarming the system using a remote with a low battery the

siren will emit one additional chirp as an alert. If confirmation chirps are programmed OFF, the system will still emit one chirp as an alert when disarming. After performing a command, **LOWBAT** and several beeps play on the Responder LC remote to indicate the battery needs to be charged.

Important	To preserve power at critically low battery levels the Responder LC turns the pager off and stops receiving messages from the system. It will continue to command the system until the battery can be charged.

Battery Life

The Responder LC remote control has many features that make it one of the most unique remote controls on the market today, including superior long range communication with the system. The default feature settings provide for excellent battery charge duration. However, to maximize this duration between charges, the following suggestions will help:

- Turn the remote OFF: When not in use and/or out of range of the vehicle the remote can be turned off in the Main Menu.
- Turn Paging OFF: The remote will not wake up to check for messages with Paging off in the Setup Remote Menu. **Caution!** The remote will not receive trigger messages from the system.
- Turn Beeps OFF: The Button beeps can be turned off in the Setup Remote Menu. The command beeps still play normally.

Battery Information (1-Way)

The 1-way companion remote is powered by one 3V coin cell lithium battery (RPN: CR-2032) that can be purchased at most retailers. When the battery begins to weaken, the operating range is reduced.

Battery Replacement

1. If present, **remove** the small screw on the back of the remote.
2. Use a small flat blade screwdriver and **insert** it into the slot located along the bottom of the remote, near the key ring. Carefully **pry** open the case.
3. Gently **slide** out the used battery to remove it from the holding clip. **Orient** the new battery for the correct polarity and **insert** into holding clip.
4. **Reposition** case parts, and **snap** together by pressing firmly and evenly on the front and back. **Reinstall** screw (if applicable).

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

Control Module	The "brain" of your system. Usually hidden underneath the dash area of the vehicle. It houses the microprocessor which monitors your vehicle and controls all of the system's functions.
Responder LC (2-way Remote Control)	A hand-held, remote control which operates the various functions of your system and receives messages and pages from the system.
Companion Remote (1-way Remote Control)	A hand-held, remote control which operates the various functions of your system but does not receive messages and pages from the system.
Control Center	The Control Center contains the system's radio-frequency antenna, the Control Center button, and the Status LED. For maximum remote-control range, the control center is usually located at the top of the windshield, centered near the rear-view mirror.
Status LED	A light used to indicate the status of your system. It is located on your system's Control Center.
Control Center Button	A small push button located on your system's Control Center. It is used to override (disarm) the alarm when a remote is not available or to enter or exit Valet Mode.

Patent Information

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

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

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

Other patents pending.

Government Regulations

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesirable operation.

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

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

Remote Controls
To satisfy FCC RF exposure compliance requirements, this device should be used in hand-held, hand operated configurations only. The device and its antenna must maintain a separation distance of 20 cm or more from the person's body, except for the hand and wrists, to satisfy RF exposure compliance. This device is designed to be used in a person's hands and its operating configurations do not support normal transmissions while it is carried in pockets or holsters next to a person's body.

Control Center

To satisfy FCC RF exposure compliance requirements, the device and its antenna must maintain a separation distance of 20 cm or more from the person's body, except for the hand and wrists, to satisfy RF exposure compliance.

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

⚠️ 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. If you have any questions, ask your retailer or contact Directed directly at 1-800-753-0600.

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 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.

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. If you have any questions, ask your authorized Directed dealer or contact Directed at 1-800-753-0600.

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

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

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

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

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

Limited lifetime consumer warranty

Directed Electronics. ("Directed") promises to the original purchaser to repair or replace (at Directed's election) with a comparable reconditioned model any Directed unit (hereafter the "unit"), excluding without limitation the siren, the remote transmitters, the associated sensors and accessories, which proves to be defective in workmanship or material under reasonable use during the lifetime of the vehicle provided the following conditions are met: the unit was purchased from an authorized Directed dealer, the unit was professionally installed and serviced by an authorized Directed dealer; the unit will be profession¬ally 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, NEGLECT, 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.