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Vista, CA 92081
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OWNER'S GUIDE

M O D E L
3706X
RESPONDER[™]
LC3

Congratulations

Congratulations on the purchase of your state-of-the-art security 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 (US only).

Important information

Government Regulations and Safety information



Read the *Government Regulations* and *Additional Information* 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.

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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 41 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 mini-USB connector into the mini-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.
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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.

Responder LC Remote Control

Feature	Description
Display 	<p>Status screen - the upper portion of the display contains status icons for the System, Siren, Alarm zones, and Remote Control</p> <p>Text field - the lower portion of display - shows the Clock, Command confirmations, Page messages and Programming menus</p>
Command buttons (4) 	Used to perform arming, disarming, and auxiliary channel commands
Function button 	Used to access function levels for commands, configuration menus for programming, and car selection
Micro-USB Port	The USB cable plugs into this port (located on remote control side).



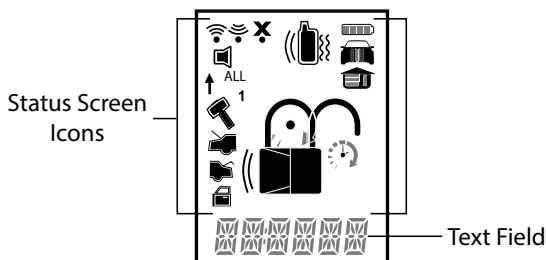
The Control Center, typically located on the upper part of the front windshield sends and receives commands or messages to and from your system. It consists of:

- The In-vehicle system antenna, for 2 way communication.
- The Status LED, as a visual indicator of the system's status.
- The Control button, for placing the system into Valet Mode* and to perform the Emergency Override** operation.

* See *"Remote and System Operations"* on page 30 for details.

















** See *"Alarm Features"* on page 26 for details.




Status Screen Icons



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).
		Siren is disabled for all triggers; remote is paged for all triggers (Full Silent Arm).
Zone Status		On during Warn-away and Full Trigger message 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

Icon	Description
Zone Status	 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
Remote Control Status	 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 *
	 Bars indicate battery level is Full, 3/4, 1/2, 1/4 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

Icon	Description
Text field	Displays the Clock, message text and feature menus
	On after the Garage Open** message has been received.
	On after the Garage Closed** message has been received.
	Remote start is active, the engine is running (with optional remote start module only).

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

** This icon not present until the remote is paired with an optional garage door opener.

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 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. Perform Advanced commands by first accessing one of the Function Levels and then pressing one of the command buttons while within a 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 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 x 1 LEVEL 1	f x 2 LEVEL 2	f x 3 LEVEL 3	f x 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*/ Aux 1/4**				
AUX	Aux/Trunk	AUX 1	AUX 2	AUX 3	AUX 4
f	Advance Level Change Car (3s), Enter programming (8s)			Alarm Report	

* Available only with optional remote start module installation.

** This button can command either aux 1 or aux 4 if turned on by an authorized Directed dealer.

Fault Condition Alerts

If, when performing a command, a condition exists that does not allow activation of an Alarm feature*, the **NOT AVAILABLE** text and a fault tone plays.

* 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 42 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 2 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.

More than 2 siren chirps and remote beeps indicate a trigger has occurred. The **DISARM** text is replaced by the Alarm report.**

AUX/Trunk


Press and hold AUX

The Trunk opens (if connected) when this button is pressed for 2 seconds. The **TRUNK** text and tones play to confirm.

Remote Start/Aux 1/Aux 4

Press and release

Remote Start ***

Activates (or if On, deactivates) the remote starter. The engine and parking lights turn on or off accordingly. The **REMOTE START ON** text and tones play, or the **REMOTE START OFF** text and tones play to confirm. The  icon is displayed in the status screen while the engine is running.

Aux1/Aux4****

Activates (or if on, deactivates) the aux 1 or aux 4 output. The programmed text and on tones or off tones play to confirm, (See *System Expansion Options*).

* See "Remote and System Operations" on page 30 for details.

** See "Alarm Features" on page 26 for details.

*** Available only with optional Remote Start module installation.

**** This feature must be turned on by an authorized Directed dealer.

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. The 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.

* See "Remote and System Operations" on page 30 for details.

** See "Alarm Features" on page 26 for details.

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. Two flashes indicates sensor Warn-away zones are bypassed. **BYPASS WARN**, one beep and one fault tone play to confirm. 3 flashes indicates sensor Warn-away and Full Trigger zones are bypassed. **BYPASS FULL**, one beep and two fault tone play to confirm. One flash indicates sensor bypass is Off, **BYPASS OFF** and one beep play 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. See *Valet Mode* for more details

AUX 2

Press and release 

Activates (or if On, deactivates) the Aux 2 output. The **PULSED** text and On tones or Off tones play to confirm.

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 

Activates (or if On, deactivates) the Aux 3 output. The **PULSED** text and On tones or Off tones play to confirm.

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.

* See "Alarm Features" on page 26 for more details.

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 4 times. The **FULL SILENT ARM** text and beeps play to confirm and the System and Siren Status icons update.

AUX 4

Press and release 

Activates (or if On, deactivates) the Aux 4 output. The **PULSED** text and On tones or Off tones play to confirm.

* See "Alarm Features" on page 26 for more details.





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  or  buttons.
- To **exit** configuration: use the  or  buttons.

Access menu items

1. **Press and hold** the **f** button for 8 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  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.

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  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**

These options are only available when the 2-way remote control is paired to a Directed remote start/keyless entry or remote start/security system.

Runtime Alert

Options: **ON**, **OFF**

These options are only available when the 2-way remote control is paired to a Directed remote start/keyless entry or remote start/security system.

Car 2

Options: **OFF**, **ON**, **HOME**

This remote can control two systems independently. When set to **OFF**, the Car2 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 a home security system.

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**

These options are only available when the 2-way remote control is paired to a Directed remote start/keyless entry or remote start/security system.

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; **Security** or **Remote Keyless Entry** 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/professional and have the sensor adjusted for optimized security detection performance.

Pair Remote:


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 pre-programmed from the factory.

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 one time the Control button on the Control Center.
4. Within five seconds, **press** and **hold** the Control 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 button and proceed below.

Note: If pairing does not result within 60 seconds, the system will exit and the siren will chirp.

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. Perform the steps under *Access menu items* section to access the Pair Remote mode.
3. When the remote beeps three times and **PAIR** is displayed the remote is ready to pair.
4. **Press** the  button.
5. Wait several seconds for feedback as the remote generates a security encryption and sends it to the Control Center. If Pair is successful the siren sounds and the remote emits several tones. The screen displays if the Pairing is successful or failed with corresponding text. If pairing failed, repeat step 4.

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

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

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.

Starter Kill: The Failsafe starter kill relay prevents the engine from starting

Note	May require additional parts and installation
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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 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.

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 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.

* See "Nuisance Prevention (NPC)" on page 29 for more details.

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.
-------------	---

Nuisance Prevention (NPC)

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 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.

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

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 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 ever disconnected by a mechanic or thief, the system will resume the state it was in at the time of disconnection, when power is reconnected.

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
Sensor Bypass	System is not armed	Only available when system is armed

Vehicle Recovery System (VRS)

In case your vehicle is stolen or carjacked, VRS sounds the siren and flashes the parking lights to persuade the thief to abandon the vehicle, and when the ignition is turned off, activates the starter kill to prevent the engine from restarting.

To arm VRS: Perform the silent arm command while driving, or while

the ignition is turned on. The siren chirps and parking lights flash once to confirm arming. The **ARMED** text and beeps play, and the system status icons update to confirm arming.





If valet mode is on, the **NOT AVAILABLE** text and tone plays, exit valet mode before arming VRS.

Once armed, VRS triggers if any door is opened then closed while the ignition remains on, and if the vehicle is parked while armed, VRS triggers when driving resumes. See trigger description below.

When triggered, the control center LED begins flashing after fifteen seconds. Within 45 seconds perform the silent disarm command to disarm VRS. If not disarmed, the siren begins chirping for 60 seconds and then becomes a constant siren blast with flashing parking lights for several minutes. This output will continue and be repeated each time the ignition is turned on until VRS is disarmed.

To disarm: Perform the silent disarm command anytime before VRS has been triggered, or within one minute after it has been triggered and before the the siren begins to chirp. If not disarmed before the siren begins to chirp, the emergency override procedure must be used to disarm VRS.

1-way Companion Remote Control

Level Button	Direct Access	f x 1 LEVEL 1	f x 2 LEVEL 2	f x 3 LEVEL 3	f x 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/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 or confirmations 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 while the LED is flashing to perform the command.

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 remote control.




Remote Features

To Enter Programming:

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

1-way companion remote control

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

Feature	Button Press	LED single flash	LED double flash
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 turns off to confirm exiting.

Note: The remote control will automatically exit the configuration mode if no buttons are pressed for 30 seconds, letting the remote exit programming on its own will 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 button. Tones will play to confirm unlocking.

Note: If the button beeps have been turned off on the 1-way 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 2-way remote control.

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

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

Car 2

Options: Off, On



The Responder LE and 1-way 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

The following instructions will step you through remote pairing of the 1 way remotes 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. Press and hold the **f** button for 8 seconds, the transmit LED will turn on, release the **f** button.
2. Within 30 seconds press and hold the  button for two seconds, the transmit LED flashes then comes on, release the  button.
3. 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 horn (if connected) will sound one time to confirm the system is ready for pairing.

5. Release the control button.
6. Press the  button on the remote. The horn (if connected) will sound to confirm pairing.
7. 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 will exit 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

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* following 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.

Alarm output duration

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

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.

Auxiliary Channels

The Auxiliary 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 only through an authorized Directed 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 1way 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.
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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 (PN 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

Document Terminology

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 provide message display..
Control Center	The control center contains the system’s radio-frequency antenna, the control 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 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.

Additional Information



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.

Interference

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

Upgrades and Batteries

Any upgrades to this product and/or installation of batteries must be performed by an authorized dealer. Do not attempt to perform any unauthorized modifications to this product.

Water/Heat Resistance

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

Limited lifetime consumer warranty

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.