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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 49 and “Status Screen Icons” on page 8 for more information about the battery.

Charging the remote control

- 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).
- Once fully charged the text field will display „FULL“.
- 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.
## Responder LC Remote Control

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal Antenna</td>
<td>Used for transmitting and receiving information</td>
</tr>
<tr>
<td>Display</td>
<td><strong>Status screen</strong> - the upper portion of the display contains status icons for the System, Siren, Alarm zones, Remote Start and Remote Control. <strong>Text field</strong> - the lower portion of display - shows the Clock, Runtime or Temperature during Remote Start, as well as Command confirmations, Page messages and programming menus</td>
</tr>
<tr>
<td>Command buttons (4)</td>
<td>Used to perform arming, disarming, auxiliary channel and remote start commands</td>
</tr>
<tr>
<td>Function button</td>
<td>Used to access function levels for commands, configuration menus for programming, Car Selection, and to request reports.</td>
</tr>
<tr>
<td>Mini-USB Port</td>
<td>The USB cable plugs into this port (located on remote control side).</td>
</tr>
</tbody>
</table>

## Control Center

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.

![Control Center Diagram](image_url)

* See “Remote and System Operations” on page 54 for details.
** See “Alarm Features” on page 41 for details.
### Status Screen Icons

The table below describes all the status screen icons.

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Beschreibung</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="lock.png" alt="lock" /></td>
<td>Armed: The system is Armed, the alarm is enabled.</td>
</tr>
<tr>
<td><img src="lock.png" alt="lock" /></td>
<td>Locked: The system is Locked in Valet, the alarm is disabled.</td>
</tr>
<tr>
<td><img src="lock.png" alt="lock" /></td>
<td>Disarmed: The system is Disarmed, the alarm is disabled.</td>
</tr>
<tr>
<td><img src="lock.png" alt="lock" /></td>
<td>Unlocked: The system is Unlocked in Valet, the alarm is disabled.</td>
</tr>
<tr>
<td><img src="siren.png" alt="siren" /></td>
<td>Siren is disabled for sensor triggers; remote is paged for all triggers (Sensor Silent Arm).</td>
</tr>
<tr>
<td><img src="siren.png" alt="siren" /></td>
<td>Siren is disabled for all triggers; remote is paged for all triggers (Full Silent Arm).</td>
</tr>
</tbody>
</table>

### Remote Start (5606V)

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Beschreibung</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="smart.png" alt="smart" /></td>
<td>Smart Start On; Remote Start On. Without arrow: Smart Start On; Remote Start Off.</td>
</tr>
<tr>
<td><img src="manual.png" alt="manual" /></td>
<td>Manual Transmission Start mode is enabled, the engine can be started.</td>
</tr>
<tr>
<td><img src="temp.png" alt="temp" /></td>
<td>Displays the vehicle interior temperature</td>
</tr>
<tr>
<td><img src="Defogger.png" alt="Defogger" /></td>
<td>On during Remote Start after performing the Defogger On command</td>
</tr>
<tr>
<td><img src="alarm_message.png" alt="alarm_message" /></td>
<td>On during Warn-away and Full Trigger message output</td>
</tr>
<tr>
<td><img src="trunk.png" alt="trunk" /></td>
<td>On during Trunk Zone Full Trigger output and Aux/Trunk channel activation</td>
</tr>
<tr>
<td><img src="fault_report.png" alt="fault_report" /></td>
<td>On during Fault Report to indicate the Trunk is open and bypassed when arming</td>
</tr>
<tr>
<td><img src="sensor_zone.png" alt="sensor_zone" /></td>
<td>On during a Sensor Zone Full Trigger output</td>
</tr>
<tr>
<td><img src="door_zone.png" alt="door_zone" /></td>
<td>On during Fault Report to indicate a Sensor is active and bypassed when arming</td>
</tr>
<tr>
<td><img src="trunk_zone.png" alt="trunk_zone" /></td>
<td>On during the Door Zone Full Trigger output</td>
</tr>
<tr>
<td><img src="hood_zone.png" alt="hood_zone" /></td>
<td>On during Fault Report to indicate a Door is open and bypassed when arming</td>
</tr>
<tr>
<td><img src="hood_zone.png" alt="hood_zone" /></td>
<td>On during a Hood Zone Full Trigger output</td>
</tr>
<tr>
<td><img src="fault_report.png" alt="fault_report" /></td>
<td>On during Fault Report to indicate the Hood is open and bypassed when arming</td>
</tr>
</tbody>
</table>
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 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

• Press the button once to access Function Level 1, the text field will display „LEVEL 1“.
• Press the button while „LEVEL 1“ text is still on to perform the Silent Arm command.
• The Responder LC remote will display „SILENT ARMED“ in the text field and update the status screen icons.
**Responder LC Command table**

<table>
<thead>
<tr>
<th>Button</th>
<th>Direct Access</th>
<th>f x1 LEVEL 1</th>
<th>f x2 LEVEL 2</th>
<th>f x3 LEVEL 3</th>
<th>f x4 LEVEL 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arm/Lock (Panic)</td>
<td>Silent Arm</td>
<td>Sensor Bypass</td>
<td>Sensor Silent Arm</td>
<td>Full Silent Arm</td>
<td></td>
</tr>
<tr>
<td>Disarm/Unlock</td>
<td>Silent Disarm</td>
<td>Remote Valet</td>
<td>Car Finder</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remote Start</td>
<td>Runtime Reset</td>
<td>Timer Start</td>
<td>Smart Start</td>
<td>Defogger</td>
<td></td>
</tr>
<tr>
<td>Aux/Trunk</td>
<td>AUX 1</td>
<td>AUX 2</td>
<td>AUX 3</td>
<td>AUX 4</td>
<td></td>
</tr>
<tr>
<td>Advance Level Change Car (3s), Enter programming (8s)</td>
<td>Temperature Check</td>
<td>Runtime Remaining</td>
<td>Alarm Report</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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 57 for more details.

** Remote Start (only 5606V) feature not available when the Remote Start status is in correct 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 52 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
The Trunk opens (if connected) when this button is pressed for 2 seconds. The „TRUNK“ text and tones play to confirm.

Remote Start (only 5606V) – 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 reason.***

* See „Remote and System Operations“ on page 54 for details.
** See „Alarm Features“ on page 41 for details.
*** See „Remote Start Error“ on page 52 for details.
For Manual transmission vehicles see „Manual Transmission Start (MTS mode)“ on page 50 for more details.
**Advanced Commands: (Level 1)**

Press and release the 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**
Activates (or if On, deactivates) the Aux 1 output. The “AUX CHANNEL” text and On tones or Off tones play to confirm.

**Runtime Reset (only 5606V) – 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 this feature.

**Temp Request – Press and hold the -button**
Requests the vehicle’s interior temperature and temporarily displays it via status screen icon and text field.

---

* See “Remote and System Operations” on page 54 for details.
** See “Alarm Features” on page 41 for details.
Advanced Commands: (Level 2)

Press and release the $\text{f}$ button two times first, before pressing one of the following command buttons.

Sensor Bypass – Press and release $\text{f}$
The parking lights flash each time this command is received to indicate the Sensor bypass type. Two flashes indicates sensor Warnaway 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 $\text{f}$
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 $\text{f}$
Activates (or if On, deactivates) the Aux 2 output. The „AUX

Timer Start** (only 5606V) – Press and release $\text{f}$
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 (only 5606V) – Press and hold the $\text{f}$ 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.

* See “Valet Mode” on page 55 for more details.
** See “Advanced Start” on page 47 for more details.
Advanced Commands: (Level 3)

Press and release the 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 „AUX CHANNEL“ text and On tones or Off tones play to confirm.

**Smart Start** (only 5606V) – 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 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 41 for more details.
** See “Advanced Start” on page 47 for more details.
**Advanced Commands: (Level 4)**

Press and release the  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 „AUX CHANNEL“ text and On tones or Off tones play to confirm.

**Defogger** **(only 5606V) – 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 41 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  button.

- To scroll the menu lists in the text field use the  &  buttons.

To exit configuration: use the  or  buttons.

**Access menu items**

- Press and hold the  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).

- Release the  button to display the Main Menu item list,
“SETUP REMOTE” is displayed.

- 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 **SET** 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 **S** 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 (only 5606V)**
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.

**Runtime Alert (only 5606V)**
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 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**, **LT GRN**, **VIOLET**, **AQUA**, **RED**, **GREEN**, **BLUE**

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, Fahrenheit or Celsius.
• **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**  
• Open at least one of the vehicle’s doors.

• Turn the key to the On position.

• Within five seconds press and release one time the Control button on the Control Center.

• 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.

• 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**  
• Make sure the remote control is set for the desired Car 1 or Car 2 operation.
- Perform the steps under *Access menu items* section to access the Pair Remote mode.

- When the remote beeps three times and „PAIR“ is displayed the remote is ready to pair.

- Press the button.

- 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

- „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.

**Power Off**
When an extended period of non-operation is anticipated, turning the power off will preserve the battery charge. Press the 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 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 button while EXIT is displayed.
### 1-way Companion Remote Control

<table>
<thead>
<tr>
<th>Button</th>
<th>Direct Access</th>
<th>f x1 LEVEL 1</th>
<th>f x2 LEVEL 2</th>
<th>f x3 LEVEL 3</th>
<th>f x4 LEVEL 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arm/Lock (Panic)</td>
<td>Silent Arm</td>
<td>Sensor Bypass</td>
<td>Sensor Silent Arm</td>
<td>Full Silent Arm</td>
<td></td>
</tr>
<tr>
<td>Disarm/Unlock</td>
<td>Silent Disarm</td>
<td>Remote Valet</td>
<td>Car Finder</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remote Start (only 5606V)</td>
<td>Runtime Reset (only 5606V)</td>
<td>Timer Start (nur 5606V)</td>
<td>Smart Start (nur 5606V)</td>
<td>Defogger (nur 5606V)</td>
<td></td>
</tr>
<tr>
<td>Aux/Trunk</td>
<td>AUX 1</td>
<td>AUX 2</td>
<td>AUX 3</td>
<td>AUX 4</td>
<td></td>
</tr>
<tr>
<td>Not Used</td>
<td>Used to access function</td>
<td></td>
<td></td>
<td>levels for Advanced Commands</td>
<td></td>
</tr>
</tbody>
</table>

#### 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 button one
to four times to access function \textit{x} \textbf{4} in the table for example implies pressing \textit{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.

\textbf{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 \textit{f} button followed by the \textit{button}, the buttons unlock and tones play to confirm.

\textbf{Car Select}
Car 2 must first be turned On (See Remote Features menu under “Programming” on page 44 to turn on). Press and hold the \textit{f} button for 3 seconds. The remote flashes the LED and beeps once or twice to indicate the selected Car is 1 or 2, release the button for Car Select or continue to hold for programming. Release the \textit{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.

\textbf{Programming}
To enter: Press and hold the \textit{f} button for eight seconds, the remote emits one long beep and turns the LED on, the programming main menu has been accessed (see menu listings below). To exit: Press and release the \textit{f} button once, then press and hold the \textit{f} button again. One short and one long beep is emitted for each step back, the LED turns off when programming is exited.

1. \textbf{Sensor Adjust}
To avoid unintended alarm triggers, it is recommended that an authorized Directed dealer perform all sensor adjustments.

2. \textbf{Remote Features menu}
After entering the programming mode: Press and hold the \textit{button}, two LED flashes and beeps indicate the remote features menu is accessed and can be set. Press buttons indicated below, 1beep and flash turns the feature on, 2 beeps and flashes turns the feature off.
- Autolock feature: Press \textit{button} to turn on/off.
- Remote Beeps: Press \textit{button} to turn on/off.
- Car 2 feature: Press \textit{button} to turn on/off.
To save and exit the remote feature programming, press the \textit{f} button once and then press/hold, the transmit LED shuts off confirming exit.

3. \textbf{Remote Learning}
Prepare the the vehicle system to be paired with a new remote:
- Open at least one of the vehicle’s doors
- Turn the key to the on position
- Within five seconds press and release 1 time the control button on the control center.
- 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.
- Release the control button and proceed below.
Prepare the 1-way remote to be paired with the system

• Make sure the remote control is set for the desired car 1 or car 2 operation.
• Press/hold the button on the remote for eight seconds, the transmit LED comes on, the programming main menu has been accessed.
• Press/hold the button until the transmit LED flashes and comes on solid.
• Press the button on the remote.
• 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 will chirp.

If pairing is not successful press and release the button once and then repeat steps 3 and 4.

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

• 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 button.

**Emergency Override**
The following procedure disarms the system when a pro-
grammed remote is not available. Number of presses_____

• Turn the ignition On.

• Press the control button on the Control Center the correct number of times (the default is one press).

• 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 un-
til 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 pro-
tect 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.

Table of Zones

<table>
<thead>
<tr>
<th>Zone (led flashes)</th>
<th>Zone Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Trunk</td>
</tr>
<tr>
<td>2</td>
<td>Shock Sensor</td>
</tr>
<tr>
<td>3</td>
<td>Door</td>
</tr>
<tr>
<td>4</td>
<td>Sensor 2</td>
</tr>
<tr>
<td>5</td>
<td>Ignition</td>
</tr>
<tr>
<td>6</td>
<td>Hood</td>
</tr>
</tbody>
</table>

* See “Nuisance Prevention (NPC)” on page 45 for more details.

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 Start Features (only 5606V)

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:

• Disarm the system and enter the vehicle, do not step on the foot brake.

• Insert the key, turn it to the run position, and then step on the foot brake, the remote start then turns off.

• 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.

• The vehicle is ready to drive.

Remote Start Safe-lock
Remote start safe-lock 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. Move the switch back to the On position to resume normal operation.

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 and 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.

* See “Remote Start Error” on page 52.
Timer Start operation
Activation begins a countdown timer as set by the installer (default 3 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:

- With the engine running, set the parking brake and release the foot brake.
• Press the button, the parking lights will turn on and the „REMOTE START ON“ message will play on the remote control.

• Turn the key to off, and remove it from the ignition, the engine continues running for the programmed runtime.

• Exit the vehicle and arm the alarm.

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

Manual Transmission Start (MTS mode)
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.

• With the engine running, press the foot brake then set the parking brake and leave the engine running. For Pit Stop or Turbo Timer mode (to leave the engine running after arming) open the driver door.

• Release the foot brake. As long as the engine is running there is no time limit to perform this step.

• 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 from the Advanced Start menu screen).

• 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.

• Turn Off and remove the key from the ignition switch, the engine remains running.

• Exit the vehicle, close all the doors and arm the system.

• 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.

• With the engine running, set the parking brake.

• Press the optional dash mounted activation button or perform the Timer Mode command (for manual transmission vehicle see previous MTS mode section).

• The parking lights turn on and the remote start activates the
ignition outputs. The „REMOTE START ON” text and beeps play to confirm.

• Turn Off and remove the key from the ignition switch, the engine remains running.

• Exit the vehicle, close all the doors and arm the system.

• The engine runs for the Turbo Mode runtime.

Note!

Turbo Timer must be turned on by an authorized Directed dealer. For Turbo Timer mode on manual transmission vehicles follow the directions in the Manual Transmission Start (MTS mode) section with the door open and in step 3 send the Timer Mode command from the remote control.

Remote Start Error

For user safety, the system must 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.

<table>
<thead>
<tr>
<th>Flashes*</th>
<th>Possible Fault</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Brake on</td>
<td>Release foot brake</td>
</tr>
<tr>
<td>6</td>
<td>Hood open</td>
<td>Close hood</td>
</tr>
<tr>
<td>7</td>
<td>After performing Remote Start command - MTS not enabled</td>
<td>Enable MTS mode</td>
</tr>
<tr>
<td></td>
<td>After performing Timer Start or Smart Start command</td>
<td>Check all Solutions</td>
</tr>
<tr>
<td>8</td>
<td>Toggle Switch off</td>
<td>Turn switch on</td>
</tr>
<tr>
<td>None</td>
<td>Alarm is triggered</td>
<td>Disarm or reset alarm</td>
</tr>
</tbody>
</table>

* 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.

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.

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

<table>
<thead>
<tr>
<th>Command</th>
<th>Cause</th>
<th>Reason / Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Runtime Reset</td>
<td>Remote Start is Off</td>
<td>Only available when Remote Start is On</td>
</tr>
<tr>
<td>Sensor Bypass</td>
<td>System is not armed</td>
<td>Only available when system is armed</td>
</tr>
<tr>
<td>Defroster</td>
<td>Remote Start is Off. Not configured for this.</td>
<td>Only available when Remote Start is On. Only available when configured for Defroster control.</td>
</tr>
</tbody>
</table>

LCD Remote Battery Run-Down
If the remote battery is down so far that the LCD will not come back on, even when plugged into the wall charger. The remedy for that is to press and hold the “F” (function) button while plugging it in and/or just leave it plugged in for 15 min or more and it will come back up.
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.

- 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 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.

Note!

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.

Note!

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 (PN CR-2032) that will last approximately one year under normal use.

Battery Replacement

- If present, remove the small screw on the back of the remote.
- 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.
- 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.
- 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

<table>
<thead>
<tr>
<th>Document Terminology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control Module</td>
</tr>
<tr>
<td>Responder LC (2-way Remote Control)</td>
</tr>
<tr>
<td>Companion Remote (1-way Remote Control)</td>
</tr>
<tr>
<td>Control Center</td>
</tr>
<tr>
<td>Status LED</td>
</tr>
<tr>
<td>Control Button</td>
</tr>
</tbody>
</table>
AMPIRE ELECTRONICS.

Seit der Firmengründung im Jahr 1987 hat AMPIRE ELECTRONICS nur das eine Ziel, dem Kunden die bestmöglichen Autoalarm-, Auto-hifi- und Multimediaprodukte zu liefern, die auf dem internationalen Markt erhältlich sind.

Alle Fertigungsstätten und Zulieferer sind nach ISO-9001 bzw. QS-9000 zertifiziert.
Die Qualitätsprodukte von AMPIRE werden weltweit verkauft.

Ein Kundenservice ist in vielen Ländern erhältlich.
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