

# Model D9858L

## Owner's Guide

This product is intended for installation by a professional installer only! Attempts to install this product by a person other than a trained professional may result in severe damage to a vehicle's electrical system and components.

## Congratulations

Congratulations on the purchase of your AVITAL® system. Reading this Owner's Guide prior to using your system will help maximize the use of your system and its many features. For additional information please contact your Authorized Dealer or visit [www.avital.com](http://www.avital.com).

### **After installation is completed, you should receive:**

- One 2-Way LED remote control (P/N: 7858L)
- One 1-Way remote control (P/N: 7657L)
- Owner's Quick Reference Card



# Important Information

## Safety Information



Warning! Failure to heed the information in this guide 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 proof of purchase from your dealer, indicating the product was installed by an Authorized Dealer.

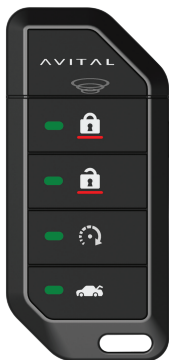
## Replacement Remote Controls

Please see your Authorized Dealer or visit us at [www.avital.com](http://www.avital.com) to order additional remote controls. Remote control part numbers are found on the back of the remote.

## System Maintenance

This system needs no specific maintenance beyond remote control battery replacement. See 'Battery Information' section for more details.

## 2-Way Remote Control



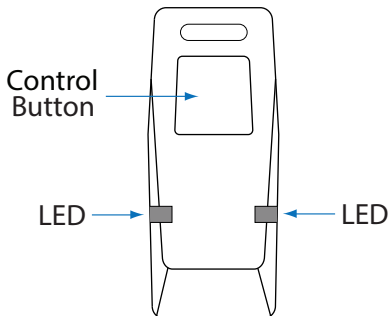
Feature	Description
Internal Antenna	Used for transmitting and receiving information.
Confirmations LED's	Each button has an associated LED next to it that is active during related operations.
Function ( <i>f</i> ) button	Used to access function levels for commands, configuration menus for programming, car selection, and to request reports.
Command buttons	Used to perform locking, unlocking, arming and disarming, remote starting, auxiliary channel and panic activation.
USB port	USB port is used to charge the remote battery.

# 1-Way Remote Control



Feature	Description
Internal Antenna	Used for transmitting information.
Transmit LED	Active when transmitting information.
Command buttons	Used to perform locking, unlocking, arming and disarming, remote starting, auxiliary channel and panic activation.
Function ( <i>f</i> ) button	Used to access function levels for commands, configuration menus for programming, car selection, and to request reports.

## Control Center









The Control Center, typically located on the upper part of the front windshield. It consists of:

- The In-vehicle system antenna, used for system and remote control communication.
- The Status LED, as a visual indicator of the system's status.
- The Control (or Valet) button, for placing the system into Valet Mode and performing various user functions.

\* See Valet Mode and Disarming without a Transmitter in the 'Using your System' section of this guide.

# Remote Control Command Table

Level Button	Basic Commands	<b>f</b> x1 LEVEL 1	<b>f</b> x1 LEVEL 2	<b>f</b> x1 LEVEL 3	<b>f</b> x1 LEVEL 4
	Arm/Lock (Panic)	Silent Arm/ Lock	Sensor Bypass	Sensor Silent Mode Arm	Full Silent Mode Arm
	Disarm/Unlock	Silent Disarm/ Unlock	Remote/ Alarm Valet	Car Finder	Start Valet
	Remote Start	Runtime Reset	Timer Start	Smart Start	Defogger
	AUX/Trunk	AUX 1	AUX 2	AUX 3	AUX 4
<b>f</b>	Advance Level, Change Car (Hold 3 sec.), Enter program- ming (Hold 8 sec.)	Temperature Check (2-way only)	Arm Status (2-way only)	Runtime Remaining (2-way only)	
 + 	Combo Valet (Both Start and Alarm/ System Valet)				

# 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 (when connected) and parking light flashes, and then by illuminated LED's and beeps or tones on the 2-Way remote control. A description of each feature is found in the following Basic command and Advanced command sections. Both the 2-Way remote control and the companion 1-Way remote control operate the same way, with the exception of confirmations and alerts which are only applicable to the 2-Way.

## **IMPORTANT:**

**\*This Transmitter Kit is compatible with multiple system types. Each system allows varying configuration options and may not support all features and functions referred to within this guide. Check with your installer for more information about your system configuration and compatible remote control functions.**

## **Performing Basic Commands (\*All Systems)**

- Perform Basic Commands by pressing a Command button.

## **Performing Advanced Commands (\*DS3/DS4 Only)**

- Perform Advanced Commands by first accessing Levels 1-4 using the **FUNCTION** button and then by pressing a Command button while within a Level.



Advanced command example: To send a 'Silent Arm' command:  
Press the **FUNCTION** button once to access Function Level 1.  
Press the **LOCK** button to perform the Silent Arm command.  
The Arm LED illuminates to confirm when the Silent Arm message from the system is received.

## **Fault Condition Alerts**

If, when performing a command, a condition exists that does not allow activation of an Alarm feature\* or Remote Start feature\*\*, a fault tone plays to alert of the fault condition.

\* Alarm feature is not available due to system status. (Example: Sensor bypass command is received when disarmed).

\*\* Remote Start feature is not available due to system status. (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 Faults' under the 'Remote Start Features'.

## Basic Commands (Direct Access)

### **Arm / Lock**

Press and release **LOCK**.

The doors lock. The system is armed if applicable.

### **Disarm / Unlock**

Press and release **UNLOCK**.

The doors unlock. The system is disarmed if applicable.

### **Remote Start**

Press and release **REMOTE START**.

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

Note: The factory setting is one press, but this can also be programmed for two presses (See your Authorized Dealer for the number of presses programmed).

Presses to activate remote start:\_\_\_\_\_.

### **Panic (DS3/DS4 only)**

Press and hold **LOCK**.

The panic feature is controlled by pressing this button for two seconds.

### **AUX / Trunk**

Press and hold **TRUNK**.

An optional auxiliary function, such as trunk release, can be controlled by pressing this button for 1.5 seconds.)

The Aux / Trunk output controls \_\_\_\_\_.

## Advanced Commands: (Level 1)

Press and release the **FUNCTION** button **(1)** time before pressing one of the following command buttons.

### **Silent Arm**

Press and release **LOCK**.  
Used to temporarily disable Arm chirps.

### **Silent Disarm**

Press and release **UNLOCK**.  
Used to temporarily disable Disarm chirps.

### **Runtime Reset**

Press and release **REMOTE START**.  
If more time is needed while remote start is active, runtime reset will reset the runtime counter to the pre-programmed setting.  
Note: Remote Start must be ON to use Runtime Reset.

### **AUX 1**

Press and release **TRUNK**.  
Activates (or if ON, deactivates) the AUX 1 output.

### **Temperature Request**

Press and hold **FUNCTION**.  
Requests the vehicle's interior temperature, and displays it by illuminating the confirmation LEDs as indicated in the table below.

Note: Actual temperature may vary with main unit mounting location.

LED count	Temperature indicated
1	Below 31°F
2	32°F – 56°F
3	57°F – 81°F
4	Above 82°F

## Advanced Commands: (Level 2)

Press and release the **FUNCTION** button (**2**) times before pressing one of the following command buttons.

### **Sensor Bypass**

Press and release **LOCK**.

Performing the Sensor Bypass command will incrementally bypass sensor operations and be confirmed as follows:

**Warn Away Bypass:** The parking lights flash two times. The Arm LED, one beep and one fault tone play to confirm. Sensors will be activated for Full Trigger levels of impact only.

**Warn Away & Full Trigger Bypass:** The parking lights flash three times. The Arm LED, one beep and two fault tones play to confirm. Sensors will not be activated for any level of impact.

**Sensor Bypass Off:** The parking lights flash one time. The Arm LED and one beep play to confirm. Sensors are fully operational.

Note: System must be armed to perform Sensor Bypass. Send arm command any time to turn Sensor Bypass Off.

## **Remote Valet (Alarm Valet)**

Press and release **UNLOCK**.

Enter/Exit Valet Mode. The Control Center LED turns on and off accordingly.

Note: The Disarm LED and Valet beeps play (one for ON, two for OFF) to confirm.

## **Timer Start**

Press and release **REMOTE START**.

Activates (or if ON, deactivates) Timer Start. The parking lights flash quickly four times for ON and slowly four times for OFF. The Remote Start LED and beeps play (one for on, two for off) to confirm.

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

## **AUX 2**

Press and release **TRUNK**.

Activates (or if ON, deactivates) the AUX 2 output.

## **Arm Status**

Press and hold **FUNCTION**.

The remote will generate an output using the LEDs and beeps/tones to display the systems Arm Status since its last update message or command operation. It will report status via confirmation LEDs, beeps, and tones as described in this section for Arm, Disarm, Valet Mode Arm, Valet Mode Disarm, Sensor Silent Arm, Full Silent Arm.

## Advanced Commands: (Level 3)

Press and release the **FUNCTION** button (**3**) times first, before pressing one of the following command buttons.

### **Sensor Silent Arm**

Press and release **LOCK**.

The alarm arms, doors lock, and the siren chirps and parking lights flash three times.

### **Car Finder**

Press and release **UNLOCK**.

The siren emits one long chirp and the parking lights flash for 10 seconds. The parking light flashes stop if armed or disarmed while Car Finder is in progress.

### **'Smart' Start (Feature)**

Press and release **REMOTE START**.

Activates (or if ON, deactivates) the 'Smart' Start feature. The parking lights flash quickly five times for ON and slowly five times for OFF.

Note: System needs to be armed or the vehicle will not start.

### **AUX 3**

Press and release **TRUNK**.

Activates (or if ON, deactivates) the AUX 3 output.

### **Runtime Remaining**

Press and hold **FUNCTION**.

Requests the remaining Remote start runtime and temporarily displays it in four increments using the confirmation LED's.

Note: Remote Start must be ON to use this feature.

LED count	% Time Remaining
1	Below 25%
2	25% - 50%
3	50% - 75%
4	Above 75%

## Advanced Commands: (Level 4)

Press and release the **FUNCTION** button (**4**) times first, before pressing one of the following command buttons.

### Full Silent Arm

Press and release **LOCK**.

The alarm arms, doors lock, and the siren chirps and parking lights flash four times.

### Garage Mode (Remote Start Valet)

Press and release **UNLOCK**.

Enter/Exit Garage Mode. The parking lights flash 9 times quickly entering and 9 times slowly exiting.

### Defogger

Press and release **REMOTE START**.

Activates the vehicle Defogger circuit (if connected) while Remote Start is activated and the parking lights flash three times. 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.

## AUX 4

Press and release **TRUNK**.

Activates (or if ON, deactivates) the AUX 4 output.

## Advanced Commands: (Direct Access)

### **Combo Valet (Alarm & Remote Start Valet)**

Press and release **LOCK** and **TRUNK** simultaneously.

Enter/Exit Combo Valet. This enables/disables both 'Alarm Valet' and 'Garage Mode' (Remote Start Valet) at the same time.

Note: Entering/Exiting Combo Valet will override any previously set valet mode.

## Remote Control Configuration

The 2-Way LED and 1-Way companion remote controls have operations that can be configured to a user's personal preferences. The following instruction directs you through the available programming options for both remote controls.

### **Remote Features**

To Enter Programming:

1. Press and hold the **FUNCTION** button for eight seconds until the transmit LED turns on, then release the button.
2. Within 30 seconds press and hold the **UNLOCK** button for two seconds until the transmit LED flashes then comes on solid, then release the **UNLOCK** button.



The remote is now ready for configuration. Press the buttons indicated in the tables below to set the desired feature options. To save the changes once the remote has been configured press the **FUNCTION** button once, and then press and hold again, the transmit LED will shut off to confirm exiting.

Note: To save changes and exit the remote feature programming mode, press and release the **FUNCTION** button once, then press and hold **FUNCTION**. The transmit LED shuts off confirming exit.

## 2-Way LED Remote Control

The confirmation LED's next to the button indicate the feature settings (\* indicates default setting).

Feature	Button	LED ON	LED OFF	LED Single Flash	LED Double Flash
Keypad Lock	LOCK	ON	OFF*		
Remote Beeps	UNLOCK	ON*	OFF	Triggers Only	
Car 2	REMOTE START	ON	OFF*		
Page Mode*	TRUNK	ON*	OFF	Power Save 1	Power Save 2

## 1-Way Companion Remote Control

The 1-Way remote will use the transmit LED to indicate the setting (\* indicates default setting).

Feature	Button	LED ON	LED OFF
Keypad Lock	LOCK	ON	OFF*
Remote Beeps	UNLOCK	ON*	OFF
Car 2	REMOTE START	ON	OFF*

Note: The remote control automatically exits the configuration mode if no buttons are pressed within 30-seconds.

### Keypad Lock (Quick Toggle)

In addition to turning 'Keypad Lock' ON/OFF in the 'Remote Control Configuration' menu, you can also do so using the "Quick Toggle" method without needing to enter the menu.

To toggle 'Keypad Lock' feature ON/OFF:

Press and Hold **LOCK** and **UNLOCK** simultaneously for 5-seconds. 1-Beep indicates ON. 2-Beeps indicates OFF.

### Keypad Lock

Options: OFF, ON

**OFF:** The buttons always perform a command when pressed.

**ON:** The remote buttons lock after a 20-second lapse between buttons presses to prevent unintentional operations. If a button is pressed when locked, the remote emits a fault tone.

### Using Your Remote Control with Keypad Lock ON:

To temporarily unlock the buttons, press and release the **LOCK** and **UNLOCK** buttons simultaneously. The remote plays tones to confirm unlocking. Once unlocked commands can be sent until the Keypad re-locks.

To re-lock the keypad before the 20-second timeout duration, press and release the **LOCK** and **UNLOCK** buttons simultaneously again.

### **Keypad Auto-Unlock**

After turning the ignition off, the 2-Way remote will unlock the keypad buttons until the next command is performed. This allows remote commands to be sent without unlocking the keypad manually. If Auto-Unlocking is not desired this can be turned off by an Authorized Dealer.

### **Page Mode**

Options: ON, OFF, Power Save 1, Power Save 2

Paging (2-Way communication) is how the 2-Way remote receives information from the system.

**ON:** 2-Way remote wakes up every few seconds to listen for pages from the system.

**OFF:** 2-Way remote 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.

**Power Save 1:** Extends battery life by turning paging off after one week if the remote control is not used during this period. Pressing any button will resume system normal 2-Way behavior.

**Power Save 2:** Provides maximum battery life by only monitoring the system when Remote Start is activated.

Caution: Alarm trigger messages will not be received when remote start is off.

## Car 2

Options: OFF, ON

**OFF:** The Car Select feature is not available. When set to ON the Car Select feature is enabled. See "Car Select" section of this guide for details on using a remote with two systems.

**ON:** The remote control can operate two systems independently.

## Remote Beep

Options: ON, OFF, Triggers Only

**ON:** The 2-Way Remote emits a beep as confirmation of button presses and command responses.

**OFF:** Beeps are not emitted for any operations except programming.

**Triggers Only:** Beeps will only be emitted for Full Trigger messages. For 1-way companion remote control, OFF will delete all beeps except when programming.

## Sensor Adjust

To avoid unintended alarm triggers; it is recommended that an Authorized Dealer performs all sensor adjustments.

## Alarm Features (Supported Systems)

### Normal Arm

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

**Starter Interrupt:** The starter interrupt relay prevents the engine from starting while the system is armed.

**Sensor Triggers:** The shock sensor can distinguish minor impacts from major impacts to the vehicle exterior.

Minor impacts causes the system to emit a Warn Away output by chirping the siren and flashing the parking lights for three seconds. Major impacts caused for example by a forcible entry attempt, results in a Full Trigger output.

The siren sounds and the parking lights flash for 30 seconds or longer. Both Warn Away and Full Triggers send a message to the remote control.

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

## **Sensor Silent Arm**

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**

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**

When the system sensors detect a Warn Away trigger, the siren chirps and parking lights flash for three seconds. No messages are sent to the 2-Way remote control for Warn Away triggers.

## **Full Trigger**

An alarm Full Trigger will sound the siren and flash the parking lights for 30-seconds while sending a Full Trigger message to the

2-Way remote control. The confirmation LED's flash and siren tones play for 30-seconds.

## **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 the Control Center button 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 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.

## **Alarm Report**

If the alarm was triggered while armed, it will be reported when the system is disarmed. 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 report output will repeat for each disarm operation until the ignition is turned ON.

Table of Zones

Zone # (led flashes)	Zone Name
1	Trunk
2	Shock Sensor
3	Door
4	Sensor 2 / Instant trigger / Tilt
5	Ignition
6	Hood
7	Other Sensor (DS4 Only)

### **NPC (Nuisance Prevention Circuitry)**

NPC monitors all alarm zones. If any zones are triggered excessively, NPC 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.

Note: Bypassed sensors automatically reset after one hour and after the Ignition is cycled. Disarming, then re-arming the alarm does not reset bypassed sensors.

### **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. Any time 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.

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.

## **One-time 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. After the next disarm all operations return to normal.

\*These features must be turned on by an Authorized Dealer.

## **Remote Valet (Alarm Valet)**

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 disabled while the convenience features still operate normally.

Arm and Disarm commands lock and unlock the doors.

### To manually enter and exit Valet Mode:

1. Press **FUNCTION** button two times.
2. Press and release **UNLOCK**.

The Control Center LED turns on and off accordingly.

Note: The Disarm LED and Valet beeps play (one for ON, two for OFF) to confirm.



# Remote Start Features (Supported Systems)

## **Key Takeover**

While remote started, 'Key Takeover' must be completed to keep the engine running while the vehicle transitions from Remote start to normal Key operation.

### To perform Key Takeover:

1. Disarm the system and enter the vehicle (Do not step on the foot brake).
2. Turn the ignition ON.
3. Step on the foot brake.

The remote start then turns off and vehicle remains running. 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.

Note: The 'Key Takeover' procedure may vary by vehicle and installation. Some Push-to-Start vehicles do not allow the key takeover feature, check with your installer for more details.

## **Garage Mode (Remote Start Valet)** (DS3/DS4 Systems)

Disabling the Remote Start System/Garage Mode

Garage Mode is a safety feature that disables the remote start system if the vehicle is parked in a garage, being serviced, or used by someone unfamiliar with remote start systems.

When Garage Mode is ON, any attempt to start the engine, activate Timer Mode, or enter Pit Stop mode is denied and remote start diagnostics flashes the parking lights nine times.

## Turn Garage Mode ON or OFF:

1. Turn the ignition ON then OFF.
2. Within 10 seconds, press and hold the Control Center button for 5-seconds.
3. The Control Center LED turns on.

### The parking lights flash:

- Nine times quickly when turning on.
- Nine times slowly when turning off.

## Garage Mode (DB3/RSR Systems)

### Turn Garage Mode ON or OFF:

This must be done by manually positioning the installed Valet toggle switch ON or OFF. Ask your installer for additional information. The Valet switch is located:\_\_\_\_\_.

## Advanced Start

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

### Precautions for the Advanced Start features:

- Park the vehicle in a well-ventilated area away from windows and doors that lead into inhabited spaces.
- Arm/Lock the vehicle, the engine will not start unless the doors are locked.

Only one Advanced start feature can be enabled at any given time. For manual transmission vehicles MTS mode must be enabled before Timer Start or Smart Start can be activated. Timer Start or Smart Start mode automatically exits when the vehicle is disarmed.

## **Timer Start Operation**

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

## **'Smart' Start Operation (Temp/Voltage Starting)**

'Smart' Start (not to be confused with DIRECTED SMARTSTART mobile App / Telematics) 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. The Remote Start ON message will be sent to the 2-Way remote control. When the Remote start runtime expires the engine shuts off, the Remote Start OFF message is sent to the 2-Way 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 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 and display the temperature as described for the 'Temperature Request' in the Advanced Commands section Level 1.

Note: Temperature report must be turned on by an Authorized Dealer.

## **Remote Start Time-out Alert**

While the Remote Start is ON, a message is sent three minutes before and again at one minute before the engine turns off. The Function LED and Remote Start LED flash and several tones play as an alert to reset the runtime if desired.

## **Pit Stop Mode**

Pit Stop mode keeps the engine running during short trips into the house or convenience store.

### To perform Pit Stop:

1. With the engine running, and vehicle in PARK. Set the parking brake. Do not press the foot brake at any time.
2. Press the **REMOTE START** button. The parking lights will turn on and the 2-Way Remote will confirm Pit Stop is active.
3. Turn the ignition OFF.  
Exit the vehicle and arm the alarm.  
The engine continues running for the programmed runtime.

Note: Pit Stop Mode procedure may vary by vehicle and installation. Check with your installer for more details.

## **MTS Mode (Manual Transmission Start)**

When installed into a manual transmission vehicle, the system requires that the MTS Mode is properly set when parking. If MTS Mode is not properly set, or is disabled after being properly set, the system will not start the vehicle.

### To set MTS:

1. With the engine running, place gear shifter in neutral position.
2. Press and hold the foot brake (do not release).
3. Set the parking brake and leave the engine running.
4. Release the foot brake.
5. Within 20-seconds of foot brake release, press any command button on the remote (after 20 seconds return to Step 2).

The parking lights flash several times and the 2-Way remote confirms MTS mode is set.

6. Turn the ignition OFF (engine remains running).
7. Exit the vehicle and close all the doors.
8. Arm the system.

The engine turns off and after a few seconds and the 2-Way remote confirms shutdown.

Note: MTS Mode procedure may vary by vehicle and installation. Check with your installer for more details.

### **Turbo Timer Mode**

'Turbo Timer Mode' keeps the engine running for a short duration when the ignition is turned OFF. This function can be activated by remote control or optional dash mounted activation button.

### To activate Turbo Timer:

1. With the engine running, set the parking brake.
2. Press the optional dash mounted activation button or perform the Timer Mode command.

The parking lights turn on and the remote start activates.

3. Turn the ignition OFF (engine remains running).
4. Exit the vehicle and close all the doors.
5. Arm the system.

The engine runs for the duration of Turbo Mode runtime.

Note: Turbo Timer and Turbo Timer runtime must be configured by an Authorized Dealer.

Note: For Turbo Timer Mode on manual transmission vehicles follow the directions in the MTS Mode (Manual Transmission Start) section with the door open in step 3, press the optional dash mounted activation button or send the Timer Mode command from the remote control.

## **Remote Start Faults**

For user safety, the system must be properly configured, and the vehicle must meet several conditions, or the remote start will not activate. If the remote start command fails, the 2-Way remote will emit a 'Remote Start Fault' tone.

Ensure that all point of entry zones are closed and that the alarm has not been triggered. If remote start commands continue to fail, see your Authorized Dealer.

## **System Features (Supported Systems)**

### **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 turns off after one hour and resets 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.

## System Status Updates

The system sends a message to the 2-Way remote control after any major action has occurred. When the remote receives this message, it updates the Remote/System status.

## Out of Range

Each time a command is performed the 2-Way remote will expect a command confirmation from the system. If a command confirmation is not received LEDs flash and a long fault tone plays as an alert.

## Feature Not Available

The 'Feature Not Available' output is a generic notification which varies in cause and solution depending upon the command used:

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

## Car Select

Car 2 remote control option must first be turned ON.

1. Press and hold the **FUNCTION** button for three seconds. The remote flashes the LED and beeps once or twice to indicate the selected vehicle is Car 1 or Car 2.  
Note: Continuing to hold will leave car selection and enter the remote menu.
2. Release the **FUNCTION** button.
3. Press and release **FUNCTION** to toggle between Car 1 and Car 2.

## System Expansion Options

### Owner Recognition\*

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

### Comfort Closure\*

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

### Siren Output Duration\*

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

### 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.

\*Note: These features are not compatible with all vehicles. Additional parts and labor may be required and will vary by vehicle and installation. Check with your installer for more details.

### **AUX (Auxiliary) Channels**

The AUX channel outputs of this system can activate many of the convenience features such as:

- Trunk/Rear Hatch Release
- Motorized Hatch/Tailgate
- Windows open/close
- Left Sliding door open/close
- Right Sliding door open/close
- Sunroof open/close
- Audio System
- Headlights



### **Warning! Safety First**

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

### **Installation**

Due to the complexity of this system, installation of this product must only be performed by an Authorized Dealer. If you have any questions, ask your Authorized Dealer or contact Customer Service at 1-800-753-0600.

### **Remote Start Notice**

When properly installed, this system can start the vehicle via a command signal from the remote control transmitter. Therefore, never operate the system in an enclosed area or partially enclosed area without ventilation (such as a garage). When parking in an enclosed or partially enclosed area or when having the vehicle serviced, the remote start system must be disabled using 'Garage Mode'. It is the user's sole responsibility to properly handle and keep out of reach from children all remote control transmitters to assure that the system does not unintentionally remote start the vehicle. THE USER MUST INSTALL A CARBON MONOXIDE DETECTOR IN OR ABOUT THE LIVING AREA ADJACENT TO THE VEHICLE. ALL DOORS LEADING FROM ADJACENT LIVING AREAS TO THE ENCLOSED OR PARTIALLY ENCLOSED VEHICLE STORAGE AREA MUST AT ALL TIMES REMAIN CLOSED. These precautions are the sole responsibility of the user.

### **Manual Transmission Notice**

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

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

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

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

Use of this product in a manner contrary to its intended mode of operation may result in property damage, personal injury, or death. (1) Never remotely start the vehicle with the vehicle in gear, and (2) Never remotely start the vehicle with the keys in the ignition. The user must also have the neutral safety feature of the vehicle periodically checked, wherein the vehicle must not remotely start while the car is in gear. This testing should be performed by an Authorized Dealer in accordance with the Safety Check outlined in the product installation guide. If the vehicle starts in gear, cease remote start operation immediately and consult with an Authorized Dealer.

OPERATION OF THE REMOTE START MODULE IF THE VEHICLE STARTS IN GEAR IS CONTRARY TO ITS INTENDED MODE OF OPERATION. OPERATING THE REMOTE START SYSTEM UNDER THESE CONDITIONS MAY RESULT IN PROPERTY DAMAGE OR PERSONAL INJURY. YOU MUST IMMEDIATELY CEASE THE USE OF THE UNIT AND SEEK THE ASSISTANCE OF AN AUTHORIZED DEALER TO REPAIR OR DISCONNECT THE INSTALLED REMOTE START MODULE. DIRECTED by VOXX LLC WILL NOT BE HELD RESPONSIBLE OR PAY FOR INSTALLATION OR REINSTALLATION COSTS.

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

### **Upgrades**

Upgrades must be performed by an Authorized Dealer. Do not perform any unauthorized modifications to this product.

## Battery Information

When the remote control battery begins to weaken, the operating range will be reduced.

### **Battery Replacement:**

If communication range is diminished, or the remote control ceases to function, the remote battery should be replaced. It is recommended to have your battery replaced by an Authorized Dealer. To gain access to the battery, the rear case will need to be separated from the transmitter. In some cases, remotes may have a small security screw(s) that needs to be removed prior to separating.

Note: USB-Rechargeable remote control batteries are not intended to be replaced. If your remote fails to charge, contact your Authorized Dealer.

**IMPORTANT:** Improper remote disassembly may result in injury or damage to the remote and or battery.

## Battery Disposal



We care about the environment. If you need to dispose of the battery, please do so in accordance with your local municipal requirements for battery disposal.

## Patent Information

This product may be covered by one or more of the patents found on our website. For a full list of patents, please visit: [www.voxxintl.com/company/patents](http://www.voxxintl.com/company/patents)

## Government Regulations

### **FCC Compliance**

This device complies with Part 15 of the FCC rules and with RSS-210 of Industry Canada. 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 any interference that may cause undesired operation.

### **Warning!**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

# Warranty Information



## LIMITED LIFETIME WARRANTY

DIRECTED by VOXX LLC (the Company) warrants to the original purchaser of this product that should this product or any part thereof, under normal use and conditions, be proven defective in material or workmanship within the Lifetime from the date of original purchase in the original vehicle, such defect(s) will be repaired or replaced with new or reconditioned product, (at the Company's option) without charge for parts or repair labor. A transmitter for a vehicle security or remote start system is warranted for 12 months from the date of original purchase.

To obtain repair or replacement within the terms of this Warranty, the product is to be delivered with proof of warranty coverage (e.g. dated bill of sale), authorization number, specification of defect(s), transportation prepaid, to an approved warranty station. This warranty is not transferable.

This Warranty does not cover damage to the vehicle's electrical system or costs incurred for the installation, removal or reinstallation of the product. This Warranty does not cover batteries, broken LCD transmitter display screens, nor apply to any product or part thereof which, in the opinion of the Company, has suffered or been damaged through alteration, improper installation, mishandling, misuse, abuse, neglect, accident, or by removal or defacement of the factory serial number/bar code label(s).

This Warranty is in lieu of all other express warranties or liabilities. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY.

ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 24 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY. No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

The company does not warrant that this product cannot be compromised or circumvented. THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT WITHOUT INSTALLATION LABOR.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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