

Model 4109L

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.

After installation is completed, you should receive:

- Two 1-Way remote controls (P/N: 7147L)
- 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.

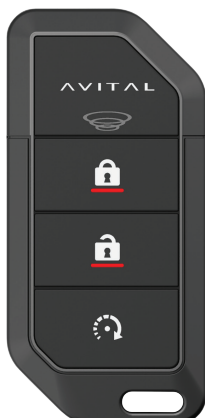
Replacement Remote Controls

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

System Maintenance

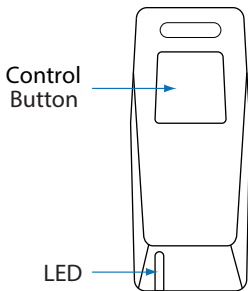
This system needs no specific maintenance beyond remote control battery replacement. See 'Battery Information' section for more details.

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, remote starting, auxiliary channel and panic activation.

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 Garage Mode and performing various user functions.

Remote Control Command Table

Basic Remote Functions

Button	Function
	LOCK / PANIC
	UNLOCK
	REMOTE START
	TRUNK / AUX

Advanced Remote Functions

Button	Function
 + 	TIMER MODE (PRESS Together)
 + 	CAR FINDER (PRESS Together)
 Then 	SILENT LOCK
 Then 	SILENT UNLOCK
 +  + 	REAR WINDOW DEFOGGER (PRESS Together)

Remote Control Functions

The remote control buttons are used to send commands to the system. The descriptions below reflect the standard configuration for this system.

Lock

Press and release **LOCK**.

The doors lock.

Unlock

Press and release **UNLOCK**.

The doors unlock.

Silent Mode

Silent Mode works by pressing the **TRUNK** button for less than one second before locking or unlocking.

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

Press and hold **LOCK**.

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

Note: Panic is an optional feature. Additional parts and labor may be required. See your Authorized Dealer for details.

Aux 1

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 1 output controls _____.

Car Finder

Press **REMOTE START** and **TRUNK** buttons simultaneously.

Parking lights will flash several times to help you locate your vehicle.

Timer Mode

Press **LOCK** and **UNLOCK** buttons simultaneously for two seconds.

When you activate timer mode the parking lights flash four times, after a one second delay the engine starts. To turn the engine off, without exiting timer mode press the **REMOTE START** button.

The system remains in timer mode and will start every three hours for a maximum of six starts unless cancelled by turning on the ignition, or by activating any of the shutdown inputs to the system.

The parking lights flash four times indicating timer mode is exited.

Rear Window Defogger

Press **LOCK**, **REMOTE START** & **TRUNK** buttons simultaneously. The parking lights flash three times to confirm activation. Once activated the defogger will turn on whenever the vehicle is remote started. The parking lights flash twice when the defogger is deactivated. The defogger does not turn on when the vehicle is remote started.

Note: Defogger is an optional feature. Additional parts and labor may be required. See your Authorized Dealer for details.

Silent Mode

If horn function is programmed ON (OFF by default), press **TRUNK** for less than one second before locking or unlocking, and the confirmation honk(s) will be eliminated for that one operation only. If you want the lock/unlock honks turned off permanently, your dealer can do this for you.

Panic Mode

If you are threatened in or near your vehicle, you can attract attention by triggering the system with your remote. Hold **LOCK** for approximately two seconds, to enter Panic Mode. The horn honks and the parking lights flash for the programmed duration. To stop Panic Mode at any time, press the **LOCK**.

Garage Mode

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 release the Control Center button once.
3. The Control Center LED turns on.

The parking lights flash:

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

Remote Start

This feature allows you to remotely start and run your vehicle for a programmable period of time. This makes it possible to warm up the engine, as well as adjust the interior temperature of the vehicle with the climate control system. If interior heating or cooling is desired, the climate controls must be preset, and the fan blower must be set to the desired level prior to remote starting the vehicle.



Warning! (1) Never remote start your vehicle when the keys are in the ignition, except when performing Pit Stop mode, and (2) Never start the vehicle if it is not in PARK or NEUTRAL. (3) Do not activate the remote start if the vehicle has a manual transmission.

To remote start the vehicle:

Ensure the parking brake is set, press **REMOTE START** on the remote control once (or the number of times the system has been programmed to activate the remote start).

The parking lights flash to confirm that the vehicle will attempt to start. With gas vehicles the engine starts four seconds after the parking lights flash. With diesel vehicles the engine starts when the WAIT-TO-START indicator on the dashboard goes out or the programmed delay has ended.

Once the vehicle has started, it runs for the pre-programmed period of time (either 12, 24, or 60 minutes; See Programming Options section) or until a shutdown input is triggered.



Warning! It is unsafe to operate a vehicle's motor in a garage or other closed off area. Breathing the exhaust from the vehicle is hazardous to your health. Never activate the remote start in an enclosed space.

When you are ready to drive the vehicle:

1. Turn the ignition ON.
2. Press the brake pedal.
3. Disengage the parking brake.
4. Place the vehicle in gear and drive to your destination.

Note: If the brake pedal is pressed or the parking brake is disengaged before the key is in the ON position, the engine will shut down.

While the vehicle is running during remote start operation, the system monitors the vehicle and automatically shuts down the engine if the system receives any of the following:

- The brake pedal is pressed
- The hood is opened
- The parking brake is disengaged
- Runtime (12, 24, or 60 minutes) expires
- The remote start activation procedure from the remote is repeated.

Pit Stop Mode

Pit Stop mode allows the vehicle to remain running after the key has been removed from the vehicle. This feature is useful for occasions when you wish to exit and lock the vehicle for short periods of time, but would like to leave the motor running and the climate controls on.

To perform Pit Stop mode:

1. Before turning off the engine, ensure that the parking brake is set.
2. Press and release **REMOTE START** on the remote the number of times the system has been programmed to activate the remote start (or press and release the optional momentary switch). Then wait five seconds.
3. Turn the ignition key to the OFF position, the engine will continue running.
4. Exit and secure the vehicle.

When returning to the vehicle simply unlock the vehicle and follow the previous "When you are ready to drive the vehicle" information.

Note: If you are away from the vehicle for an extended amount of time, the remote start will shut off after the programmed runtime expires or when a shutdown input is received (see the Remote Start section for a complete list of shutdown inputs).

This feature will not work if the brake pedal is being pressed or the parking brake is disengaged.

Rapid Resume Logic

If system power is lost and then reconnected, the system will recall the stored state from memory. This means if the unit is in Garage Mode and the battery is disconnected for any reason, such as servicing the car, when the battery is reconnected, the unit will still be in Garage Mode. This applies to all states of the system including Locked, Unlocked, and Garage Mode.



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.

Before remote starting a vehicle, be sure to:

- Leave the vehicle in PARK 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.

Caution: This product is designed for fuel injected vehicles only.

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

Government Regulations

FCC & IC Compliance

This device complies with Part 15 of the FCC Rules and with RSS(s) of Industry Canada. Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation.

Cet appareil contient un ou plusieurs émetteurs/récepteurs sans licence qui sont conformes aux CNR exemptés de licence d'Innovation, Sciences et Développement économique Canada. L'exploitation est soumise aux deux conditions suivantes :

1. Cet appareil ne doit pas causer d'interférences.
2. Cet appareil doit accepter toute interférence, y compris celles qui peuvent causer un fonctionnement indésirable de l'appareil.

Warnings / Avertissements:

1. The device must maintain a separation distance of at least 20cm from the person's body, except for the hands and wrists.
2. Any changes or modifications not expressly approved by the party responsible for compliance may void the user's authority to operate this 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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