

# AVISTART 3001

Remote Engine Starter System

## Owner's Manual



AVITAL

A DIVISION OF  CLIFFORD ELECTRONICS

FRONT COVER

 **WARNING** 

- ! Always exercise caution and common sense when operating your AviStart system.**
- ! This product is intended for vehicles with fuel-injection and automatic transmissions only. NEVER attempt to remote start a vehicle with a manual (stick shift) transmission. Serious injury may occur with improper use.**
- ! NEVER attempt to remote start the engine while anyone (including pets) is in the vehicle.**
- ! NEVER attempt to remote start the engine while the vehicle is in an enclosed area without sufficient ventilation.**
- ! NEVER attempt to remote start the engine while the keys are in the ignition.**
- ! Always be sure the gearshift selector is in "Park" and the emergency brake is on before attempting to remote start the vehicle.**
- ! Keep your AviStart remote controls out of the reach of children.**
- ! Whenever the vehicle is being serviced or valet parked, place the system in Protected Valet Mode to prevent accidental or unauthorized remote starting. See "Protected Valet Mode" on page 7.**

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## ***AviStart 3001***

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Congratulations! You have just purchased the AviStart 3001, a remote engine starter system manufactured by Avital Technologies, Inc. You are about to experience the convenience and luxury of being able to start your vehicle engine from the comfort of your home, office, department store or other remote location.

To fully benefit from the capabilities of your AviStart system, we encourage you to read the Owner's Manual thoroughly before using the system. If you have any problems or questions regarding your AviStart system, consult the dealer from whom you purchased this product.

### **Lifetime Warranty**

Avital guarantees the operation of your AviStart control unit and remote control for as long as you own your car. (Please refer to the back of this manual for complete terms and conditions.)

### **Remote Controls**

Included with your AviStart system is one 4-button/9-channel remote control. The remote control (remote) is a miniature transmitter powered by a small +12 volt battery. The RangeMaster™ super-heterodyne receiver (installed in your vehicle) allows your remote to command your system from up to ¼ mile away. Obstructions, electrical or radio interference, weather conditions, window tint or a weak battery can reduce this range. Your remote is the key to your AviStart system and can be used to lock and unlock your doors and start and stop your engine.

The AviStart system can accept up to four Avital remote controls. Additional remote controls and remote control batteries can be purchased from any authorized Avital dealer. To locate an authorized dealer, or for other product information, visit Avital's web site at [www.avital.com](http://www.avital.com).

### **Stealth Coding™ Technology**

Stealth Coding technology offers the most advanced protection available against "code-grabbing" devices which thieves may use to record the digital code transmitted by your remote control. When you leave the area, thieves can then play back the code to start or stop your system. Avital's remote controls with Stealth Coding randomly change the code every time you use them, and your system will not respond if any code is retransmitted. This technology makes code-grabbing devices useless.

**Electronic Scan Prevention (ESP)**

Your AviStart system also includes ESP, which blocks electronic scanner codes preventing unauthorized operation of your system.

**Instant Remote Control Code Deletion**

In the event of a lost or stolen remote control, all remote controls can be erased from the system memory preventing unauthorized system operation. (See the "Programming Table for Remote Controls" on page 9).

**One-Step Remote Control Code Learning**

The AviStart system allows you to add new remote controls in one step. (See the "Programming Table for Remote Controls" on page 9).

**Valet Switch**

The valet switch is a small hidden toggle switch which allows you to control all of the system programmable features. (See "User-Programmable Features" on page 9). This switch can only be controlled with the use of your ignition key.

***NOTE: Be sure to have your dealer show you where the valet switch is located.***

# Operating Your AviStart

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## Remote Engine Start - Safety and Counter-Theft



**CAUTION:** Be sure to read the "WARNING" bulletin on the inside cover of this manual before attempting to operate remote start.

### ***Automatic Safety and Counter-Theft Features***

Before remote starting your engine, the AviStart system will automatically perform a safety check to ensure the following conditions have been met:

- Brake pedal is not depressed.
- Engine and ignition are turned "OFF."
- Hood is closed.

After remote starting your engine, the AviStart system will shut off the engine immediately if the ignition is "OFF" and any of the following occurs:


- The hood is opened.
- The brake pedal is pressed.
- The remote control START button is pressed.
- The 20 minute run time expired.

### **Visual Fault Indication**

When you press the remote control button to start your engine, AviStart's built-in fault detection system will automatically scan all of the safety zones. If a fault is detected, the system will prevent your engine from remote starting and provides a visual indication to show where the fault has occurred. The parking lights will flash 1 time if a hood switch fault is detected, 3 times if a brake switch fault is detected and 4 times if the system is in "Protected Valet Mode" (see page 7 for a description of this feature). If this occurs, you may need to bring your vehicle to your authorized Avital dealer for service.


### **Remote-Controlled Door Lock/Unlock\***

#### ***To Lock the Doors***

Press the remote control  button for 1-2 seconds. The doors will lock and the parking lights will flash twice.

*\* If your system was installed with this door lock/unlock feature, all other door lock/unlock related features will apply.*


### ***To Unlock the Doors***

Press the remote control  button for 1-2 seconds. The doors will unlock and the parking lights will flash once.

### **Remote Engine Start - Operation**

Your AviStart system will start your vehicle engine with a touch of a button on your remote control. Before remote starting, ensure the vehicle is in "Park" and the key **is not** in the ignition. To cool or warm the interior of your vehicle, preset the climate control to your preference (heater, defrost or air conditioning). Set the fan to a medium speed (**not maximum**).


### ***To Remote Start the Engine***

1. Press the remote control  button for 1-2 seconds, 10-15 minutes before you enter your vehicle (this will allow the climate control time to heat or cool the interior.) The parking lights will flash 2 times, the engine will start and the parking lights will remain on as a visual indication that the engine is running.


If you have a diesel engine, the AviStart will be programmed to start 15 seconds after the parking lights flash 2 times or the vehicle glow plug light turns off. This will allow time for the glow plugs to heat up.

2. If the engine does not remote start, the AviStart system will attempt to start the engine two additional times.
3. If the vehicle is left unattended, the engine will run for 20 minutes and then shut off automatically.

### ***To Operate the Vehicle While Remote Started***

1. Press the remote control  button for 1-2 seconds. The doors will unlock and the parking lights will flash once.
2. Enter the vehicle (do not touch the brake pedal), turn the ignition key to the "ON" position and then press the brake pedal. Pressing the brake pedal will shut off the remote start and parking lights but the engine will remain running.
3. You can now drive the vehicle.

### ***To Shut Off Remote Start***

At any time after the engine has been remote started, you can shut off the engine with the remote control by pressing the remote control  button for 1-2 seconds. The engine and parking lights will shut off.



## User-Programmable Temperature-Controlled Starting



**CAUTION:** Do not activate Temperature-Controlled Starting while the vehicle is in an enclosed area.



The AviStart system can be programmed to monitor the air temperature inside your vehicle and automatically start the vehicle engine whenever the temperature inside reaches or drops below a preprogrammed temperature level. There are three temperature levels to choose from. (This feature is programmed OFF from the factory and must be programmed ON to operate. See the "Programming Table for System Features" on page 9.)

### To Activate

Press the remote control  and  buttons at the same time for 1-2 seconds. The parking lights will turn on for 3 seconds, turn off for 1 second, turn on for 3 seconds and then shut off. This will be your visual indication that you have activated the Temperature-Controlled Starting feature.

The AviStart will monitor the air temperature every 2.5 hours and will only start the engine if the temperature inside the vehicle has reached or dropped below the preprogrammed temperature level. The parking lights will flash 2 times, the vehicle will start and the parking lights will turn on. The vehicle will run for 10 minutes and then shut off. This will allow the engine to warm up and charge the battery.

### To Deactivate

Press the remote control  and  buttons at the same time for 1-2 seconds. The parking lights will turn on for 3 seconds and then shut off. This will be your visual indication that you have deactivated the Temperature-Controlled Starting feature.

**NOTE:** At any time, if the ignition key is turned "ON" or the vehicle is remote started, the Temperature-Controlled Starting feature will deactivate.

### Pit Stop Mode





**CAUTION:** Do not leave passengers or pets in the vehicle while the system is in Pit Stop Mode.


The Pit Stop Mode allows you to park the vehicle for short-term stops, remove the ignition key and leave the engine running.



### **To Activate**

1. While the vehicle engine is running with the ignition key turned "ON," press the remote control  button for 1-2 seconds. The parking lights will flash 2 times and stay on. (Make sure the vehicle is in "Park" and the parking brake is set.)
2. Turn the ignition key "OFF" and the engine will stay running.
3. Remove the ignition key and remote control and exit the vehicle.  
**Remember to keep the ignition key and remote control in your possession.**
4. Press the remote control  button for 1-2 seconds to lock the doors and secure the vehicle.

### **To Deactivate**

1. Press the remote control  button for 1-2 seconds to unlock the doors.
2. Enter the vehicle (do not touch the brake pedal), turn the ignition key to the "ON" position and then press the brake pedal. The parking lights will shut off and you will now be able to drive the vehicle.

### **Protected Valet Mode**

You should place your system in Protected Valet Mode whenever your vehicle is being serviced by mechanics, car wash personnel or driven by valet parking attendants. While in the Protected Valet Mode, all remote start functions are bypassed to prevent unauthorized or accidental operation. If a remote start is attempted, the parking lights will flash 4 times and the vehicle will not start.

#### **To Turn on Protected Valet Mode**

1. Turn the ignition key to the "ON" position or start the engine.
2. Flick the valet switch to the "ON" position.
3. Turn the ignition key to the "OFF" position.

#### **To Turn off Protected Valet Mode**

1. Turn the ignition key to the "ON" position or start the engine.
2. Flick the valet switch to the "OFF" position.
3. Turn the ignition key to the "OFF" position.

## ***User-Programmable Features***

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All AviStart system and remote control programmable features are accomplished by turning the ignition key "ON" (or starting the engine) and flicking the valet switch on and off a preset number of times.















The AviStart also allows you to add new remote controls in one step, delete lost or stolen remote controls or rearrange the factory preset remote control functions.

1. Remove the system from Protected Valet Mode. Programming cannot be accessed while the system is in Protected Valet Mode.
2. Select the feature you wish to program from the "Programming Table for System Features" or the "Programming Table for Remote Controls" on page 9. Note the number of beeps associated with that feature.
3. Turn the ignition key to the "ON" position.
4. Within 10 seconds, begin flicking the valet switch on and off. The piezo beeper will beep once each time you flick the switch on then off.
5. Continue flicking the switch on and off, counting the number of beeps.  
***NOTE: Stop when you reach the number of beeps associated with your chosen feature.***
6. Follow the "Secondary Action." You will hear a number of beeps to confirm that you have changed the setting of that feature.
7. Turn the ignition key to the "OFF" position.
8. Repeat steps 1-7 for any other feature you wish to program.

### Programming Table for System Features

Feature	Factory Setting	No. of beeps	Secondary Action
Temperature-Controlled Starting OFF or 5 °F (-15 °C)	OFF	5	Wait 3 seconds. The piezo beeper will beep once for OFF, twice for 5°F (-15°C).
Temperature-Controlled Starting -7°F (-20 °C) or -22°F (-30 °C)	—	8	Wait 3 seconds. The piezo beeper will beep once for -7°F (-20°C), twice for -22°F (-30 °C).

### Programming Table for Remote Controls

Feature	Factory Setting	No. of beeps	Secondary Action
Door Lock	 Button	10	Press the  Button, the piezo beeper will beep 1 time.
Door Unlock	 Button	11	Press the  Button, the piezo beeper will beep 1 time.
Remote Engine Start	 Button	12	Press the  Button, the piezo beeper will beep 2 times.
Remote Engine Stop	 Button	13	Press the  Button, the piezo beeper will beep 3 times.
Temperature-Controlled Remote Engine Start	 +  Buttons	14	Press the  +  Buttons, the piezo beeper will beep 4 times.
One Step Remote Control Code Learning	 Button	15	Press the  Button, the piezo beeper will beep 1 time.
Instant Remote Control Code Deletion	—	16	Wait 3 seconds, the piezo beeper will beep twice. All codes are erased out of memory.

**Life time Limited Factory Warranty - Terms and Conditions**

Avital vehicle security systems and accessories require professional installation by an Authorized Avital Dealer. Unless the system is sold and installed by an Authorized Avital Dealer, all product warranties are void. As the manufacturer, Avital Technologies warrants to the original consumer purchaser, the system control unit and remote controls to be free from defects in material and workmanship for as long as you own the vehicle in which the system was originally installed. All other parts of the system and accessories to the system are warranted to be free from defects in material and workmanship for one (1) year from the date of purchase. Avital Technologies will repair or replace, at its option and free of charge during the warranty period, any system component that proves defective in material or workmanship under normal installation, use, and service, provided the product is returned to our factory by an Authorized Avital Dealer, transportation charges prepaid. Products returned to our factory must be accompanied by a photo copy of the purchase receipt. In the absence of such purchase receipt, the warranty period shall be one (1) year from the date of manufacture. Any damage to the product(s) as a result of misuse, abuse, neglect, accident, incorrect wiring, improper installation, destruction or alteration of the serial number, repair or alteration outside our factory, or any use violative of instructions furnished by us will void the warranty. This warranty is limited to defective parts and specifically excludes any incidental or consequential damages connected therewith. This warranty is not transferable. Avital Technologies makes no warranty against theft. This warranty is not to be construed as an insurance policy against loss. Warranty on installation labor, removal and reinstallation charges are not the responsibility of Avital Technologies, Inc.

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**Your system serial number is:**

**Place serial number sticker here**