

AS-2460

User Guide

WARNING



It is the responsibility of the vehicle operator to ensure their vehicle is parked in a safe and responsible manner.

1. When leaving the vehicle, it is the user's responsibility to ensure that the gearshift lever is in "**Park**" in order to avoid accidents upon remote starting.
2. It is the user's responsibility to ensure that the remote starter is disabled or put into valet mode before servicing.

A note concerning the battery inside the transmitter:

Depending on your usage of the transmitter, the battery can last anywhere between 3 to 6 months. When the battery is low, the transmitter will produce two beeps in a repetitive cycle. **At that point you should replace your battery with a new one.** That is why we recommend that you keep a spare battery somewhere handy such as the glove compartment.

FCC USER NOTICE (U.S.A.):

*This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. **NOTE:** The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.*

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Introduction

This is a state-of-the-art remote starter system. The system is packed with advanced features such as priority access to the driver's door (commodity features) and the safe start children safety feature. With many an advanced function, this product will satisfy any one of your expectations from high-end commodity and security systems, without neglecting any standard feature commonly offered by entry-level starters.

Vehicle Presets

Heater & Heated Seat

When leaving the vehicle it is recommended to preset the accessory controls in preparation for the next remote start. Settings for the blower motor (fan), front and rear, as well as heated seats (if equipped) should not be left on **HIGH**. It is recommended to leave the settings on **LOW** or **MEDIUM** instead.

Windshield Wipers & Radio & Headlights

Certain vehicles require the radio and / or windshield wiper and / or headlight circuits to become energized while running under remote start. When leaving the vehicle you must ensure that the windshield wiper and headlight switches are **OFF**. Leaving the headlight switch **ON** on certain types of vehicles could cause them to remain **ON** even after remote starter shut down, resulting in a dead battery.

Using the Transmitter

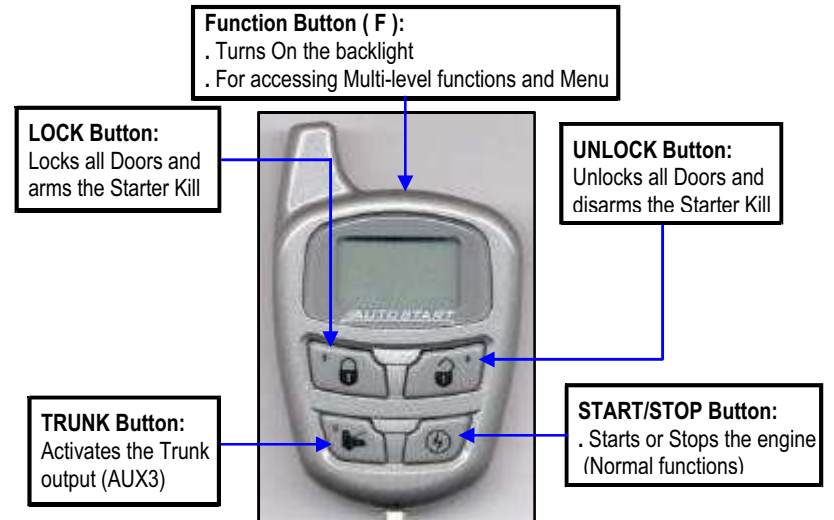
Your remote starter is equipped with a 5-button multi-channel remote control. It can operate two independent vehicles equipped with identical remote starters (see **Multi-car operation** section on page 13).

LCD Remote Functions

The transmitter offers several command-confirmation and timer features. This section explains some of the key functions available. The next section gives a summary of the button combinations used to access the functions.

Note: If you wish to exit a function while still in the process of accessing it, simply stop and wait at least 5 seconds: the transmitter will return to its normal state.

The functions of the transmitter are as follows:



F button Functionality:



(By default)

F button	Press less than 3 seconds	LCD display	Press more than 3 seconds
1x	Level 1	L - 01	Enable backlight
2x	Level 2	L - 02	Enable backlight
3x	Level 3	L - 03	Enable backlight
4x	Enters programming mode	MENU	Enable backlight








Note: The order of LEVELS and MENU can be re-arranged in the menu option **FBPRO**.

Backlight:

Press and hold **F** button (for more than 3 seconds and less than 5 seconds), to turn the Backlight **ON** for 3 seconds. If **F** button is pressed down for more than 5 seconds, the backlight will stay **ON** until **F** button is released. A quick way to access the backlight is to press the **F** button quickly (for less than 1second) and the backlight will turn on 3 seconds.

Button 	Backlight
Press for < 1 second	Backlight ON for 3sec
Press for > 3 seconds and < 5seconds	Backlight ON for 3sec
Press for > 5 seconds	Backlight will stay ON until button  is released.

Selecting and adjusting Menu options:

- ◆ When in **MENU**, press  button to enter the menu.
- ◆ Press  button to move up in the menu or  button to move down in the menu.
- ◆ Press  button to select the option you would like to adjust
- ◆ Press  button to increase the value or to activate or deactivate a function or toggle through the selection.
- ◆ Press  button to decrease the value or to activate or deactivate a function or toggle through the selection.
- ◆ Press  button to move to the next sub-option or go back to the main menu.

Order	Menu Option	LCD display	Function
1	Parking Menu	PARK	
	Parking hour	P 0:00 <i>0 is flashing</i>	Adjust parking hour (value from 0 to 2)
	Parking minute	P 0:30 <i>30 is flashing</i>	Adjust parking minute (value from 0 to 60)
	Toggle Parking countdown	P -- ON Or P – OFF	Enable or disable parking countdown There is a beep 5min before the Parking countdown reaches 0.
2	Alarm Clock Menu	ALARM	
	Alarm hour	A 12:00 12 is flashing	Adjust alarm hour (value from 0 to 12)
	Alarm minute	A 12:00 <i>00 is flashing.</i>	Adjust alarm minute (value from 0 to 60)
	Toggle alarm	A -- ON Or A – OFF	Enable or disable alarm
3	CWM Menu	CWM	Cold Weather Mode
	Toggle CWM mode	ON Or OFF	
4	VALET Menu	VALET	
	Toggle valet mode	ON Or OFF	
5	Time Start Menu	TSTAR	
	Time start hour	T 12:00 <i>12 is flashing.</i>	Adjust time start hour (value from 0 to 12)
	Time start minute	T 12:00 <i>00 is flashing</i>	Adjust time start minute (value from 0 to 60)
	Toggle time start	T -- ON Or T – OFF	Enable or disable
6	SECURE Menu	SECUR	Lock the transmitter keypad
	Toggle lock remote	PRESF <i>when remote is locked.</i>	Selecting PRESF will unlock the transmitter keypad

Constant flashes for 25 sec.	<ul style="list-style-type: none"> • Panic Mode is triggered.
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- The shape of the roof and A-pillars brings about considerable radio-frequency deflection (in this case the signal from the remote control). As a result, the direction in which the vehicle is facing in relation to the remote control can affect the range. Straight on – standing in front of the vehicle – generally gives you the greatest range; the second best performance is from the back. Using the remote control from either side of the vehicle will usually give the lowest range.
- The range will be significantly lower in a crowded parking lot than in open space.
- Always hold the transmitter high, approximately at shoulder height. Holding the transmitter against your chin will also increase your range: your head acts as an antenna.
- The operating range will be somewhat lower on vehicles equipped with an aftermarket or factory alarm.

Diagnosics – Parking Light Flash Table

Flashes	Description	
1	<ul style="list-style-type: none"> • Doors locked, starter kill armed. • Run time has expired. • TRUNK button pressed. 	<ul style="list-style-type: none"> • Start signal received by the module. • Cold weather mode cancelled.
2	<ul style="list-style-type: none"> • Remote start attempt cancelled by remote. • Doors unlocked, starter kill disarmed. • Exiting ignition valet. 	<ul style="list-style-type: none"> • Exiting remote valet. • Power-up reset
3	<ul style="list-style-type: none"> • Entering cold weather mode. • Extended run time. • Entering or exiting Ready Mode 	<ul style="list-style-type: none"> • Entering ignition valet. • Entering remote valet. • Disabling LED
3 slow flashes...	...after a failed start attempt	The module did not detect a tach signal.
4	<ul style="list-style-type: none"> • +12 V detected on the brake input wire either while cranking or during run time. • Entering multi-speed tach programming. • Power ON to OFF 	
5 Slow	<ul style="list-style-type: none"> • Start attempt failed because no tach signal has been programmed. 	
5 Fast	<ul style="list-style-type: none"> • Tach signal programmed. 	
6	<ul style="list-style-type: none"> • A remote start was attempted while a tach-before-crank signal was detected before cranking. 	
8	<ul style="list-style-type: none"> • Unit reset: occurs when the unit is reset to the factory defaults 	
10	<ul style="list-style-type: none"> • A ground (-) signal was detected on the hood pin input wire. 	
1 —pause— 1—pause— 5 flashes	<ul style="list-style-type: none"> • Transmitter has been programmed. [During the transmitter programming procedure] 	
1 – pause – 2	<ul style="list-style-type: none"> • There was a remote start attempt while the vehicle was in valet mode. • Failed start: vehicle's low battery voltage. 	
ON SOLID for 3 seconds....	...followed by 1 flash	Exiting cold weather mode
	...followed by 3 flashes	Entering cold weather mode
ON continuously	<ul style="list-style-type: none"> • Idle mode: Idle mode is engaged • Run time: The vehicle has been remote started and is in run time. 	
ON continuously	While the brake pedal is pressed.	<ul style="list-style-type: none"> • Confirms that cold weather mode is engaged
ON 2 seconds	<ul style="list-style-type: none"> • The hood has been opened and a ground (-) signal has been detected on the hood pin input wire. 	
ON 4 seconds	<ul style="list-style-type: none"> • Locking or unlocking a door (with Door pulses configured to 4 sec.) 	
ON 20 seconds	<ul style="list-style-type: none"> • The hood pin has been flashed and you are now in the programming centre. 	

7	Backlight Color Menu	COLOR	
	Backlight	<i>There 8 different colors</i>	Blue lights is default
8	LCD On Menu	LCD	
	LCD on time	OFF 01 OFF 15 OFF 30 OFF 60 ON	1min, 15min, 30 min, 60min and ON 1 min is default.
9	Clock Menu	CLOCK	
	Clock hour	12:00 <i>12 is flashing.</i>	Adjust clock hour (value from 0 to 12)
	Clock minute	12:00 <i>00 is flashing.</i>	Adjust clock minute (value from 0 to 60)
10	Temperature Menu	TEMP	
	Temperature	CTEMP <i>Or</i> FTEMP	Deg Celsius or Fahrenheit Deg. Celsius is default
11	Language Menu	LANGU	
	Language	ENG <i>Or</i> FRAN	English is default.
12	F Button Function Menu	FBPRO	F Button Programming
	FB programming	1 2 3 M 2 3 1 M 2 1 3 M 3 1 2 M M 1 2 3	




Parking Countdown

This version of the countdown feature is particularly useful for keeping track of parking meter time: the user may quickly set up the countdown using the **Parking Menu**. The transmitter will beep once, 5min before the Parking countdown reaches 0.




Alarm Clock

The LCD remote control has a built-in alarm clock, which can be set up using the **Alarm Clock Menu**. Once the programmed time is reached, the remote will beep 6 times every minute until a button is pressed.

CWM menu:

When this feature is enabled, press  for 3sec to enter or exit Cold Weather mode. If disabled, press  →  button to enter or exit Cold Weather mode.

Valet menu:

When this feature is enabled, press  to enter Valet mode. When this feature is disabled, press  +  buttons simultaneously.


Time start menu:

This feature is used to remote start the car at a pre-programmed time. Once the pre-programmed time is reached, the remote will send a start command to the car module.

Secure Remote feature:

This feature is used to lock the keypad of the transmitter to avoid accidental button press. When the remote is locked and a button is pressed, the LCD will display "PRESF" for 1 second and goes back to the clock.

The transmitter keypad can also be locked as follows:

- Press **F** to go to Menu
- Within 3 seconds, press 

Press **F** for about 1sec, to unlock the transmitter keypad.

LCD ON menu:

If there is no activity within the programmed time, LCD will turn off. This feature maximizes the lifetime of the battery.


Clock Menu:

The Clock menu is used to set the current time on your remote control.

F Button Function Menu:

The order of LEVELS and MENU can be re-arranged using the F Button Function Menu.

Button Operation:

<i>Button</i>	<i>LCD</i>	<i>Sounder</i>
Lock button	Lock icon + LOCK	1 beep
Unlock button	Unlock icon + ULOCK	2 beep
Trunk button	TRUNK text for 1s	1 beep
Start button	START text for 1s	1 beep
Engine running	Run time +  icon + Blue backlight for 3s	3 beep
Engine stop	Red backlight on for 3s	2 beep
Unlock+Start button	Valet icon if pressed more than 3s	1 beep
Lock+Unlock button		1 beep
Trunk+Lock button (2nd car operation)	Lock icon + LOCK	1 beep
Trunk+Unlock button (2nd car operation)	Unlock icon + ULOCK	2 beep
Trunk+Start button (2nd car operation)	START text for 1s	1 beep
L --01 → Lock button		1 beep
L --01 → Unlock button		1 beep
L --01 → Trunk button	Temperature	
L --01 → Start button (pressed more than 3s)	CWM or MTF text for 1s	1 beep
L --02 → Lock button (2 nd car unlock)	LOCK and Lock icon	1 beep
L --02 → Unlock button (2 nd car unlock)	ULOCK and Unlock icon	2 beeps
L --02 → Trunk button(2 nd car trunk)	TRUNK text for 1s	1 beep
L --02 → Start button(2 nd car start)	START text for 1s	1 beep
L --03 → Lock button (Channel 1)		1 beep
L --03 → Unlock button (Channel 2)		1 beep
L --03 → trunk button (Channel 3)		1 beep
L --03 → Start button		1 beep

F > **F** > **F** > : customized feature 4

Accessing the Multi-Level Features and Other Transmitter Functions

- To access a Level 1 feature, press and release the **F** button and you will hear a “beep”; L-01 will be displayed. This display means that you are now in Level 1. Simply press the corresponding button to access the desired feature.
- To access a Level 2 feature, press and release the **F** button and you will hear a “beep”; L-02 will be displayed. This display means that you are now in Level 2. Simply press the corresponding button to access the desired feature.
- To access a Level 3 feature, press and release the **F** button and you will hear a “beep”; L-03 will be displayed. This display means that you are now in Level 3. Simply press the corresponding button to access the desired feature.

Your installer can customize the system as to personalize these multi-level features in an order that best suits your needs. Your options are:

Option 1:

- Level 1 (requires pressing the **F** button 1X) → Multi car operation
- Level 2 (requires pressing the **F** button 2X) → Basic features
- Level 3 (requires pressing the **F** button 3X) → Customized features

Option 2 (on by default):

- Level 1 (requires pressing the **F** button 1X) → Basic features
- Level 2 (requires pressing the **F** button 2X) → Multi car operation
- Level 3 (requires pressing the **F** button 3X) → Customized features



Option 3:

- Level 1 (requires pressing the **F** button 1X) → Customized features
- Level 2 (requires pressing the **F** button 2X) → Multi car operation
- Level 3 (requires pressing the **F** button 3X) → Basic features

Option 4:

- Level 1 (requires pressing the **F** button 1X) → Basic features
- Level 2 (requires pressing the **F** button 2X) → Customized features
- Level 3 (requires pressing the **F** button 3X) → Multi car operation

Example: If the multi-level features were set to option 3, the setup would be as follows: For “Basic features”:




- To access the aux. 2 feature, the user needs to press on the **F** button three (3) times followed by the  button.
- To access cold weather mode, the user needs to press on the **F** button three (3) times followed by the  button.

Troubleshooting Transmitting Range





Many factors may affect the operating range of the transmitter. Some of these are:


- The condition of the battery in the transmitter.
- The operating environment (for example: downtown radio-frequency noise, airports, cellular phone towers...)
- Metal: any type of metal will affect operating range. This includes the metal in the car.
- The shape of the vehicle can affect range as well; vans in general have an especially poor range.

Missing a Start or a Stop Confirmation



If you have not received a Start or the Stop confirmation after pressing the  button, simply press the  button. Pressing the  button will refresh the display and will confirm if the vehicle was started or stopped.



No Start Confirmation Was Received:

If after remote starting the vehicle no confirmation was received, simply press the  button, this will refresh the display. If the vehicle was started successfully, the  icon will appear as well as the run time countdown. Pressing the  button will also lock all doors (the lock icon will appear). If the doors were already locked prior to pressing the  button, there will be no change in the status of the doors—i.e. the doors will remain locked.

On models where starter kills were installed, pressing the  button will also activate the starter kill.

No Stop Confirmation Was Received:

If after remote stopping the vehicle no confirmation was received—i.e. the display did not return to its basic state—simply press the  button, this will refresh the display. If the engine was stopped, the  icon will disappear and the time will be displayed.



Pressing the  button will also lock all doors (the lock icon will appear). If the doors were already locked prior to pressing the  button, there will be no change in the status of the doors—i.e. the doors will remain locked.

On models where starter kills were installed, pressing the  button will also activate the starter kill.













Multi-Level Features (default state)

The multi-level features allow you to access different features of your vehicle or of a second car by pressing the shift button once, twice or three times. By default, the multi-level features are programmed as follows:

Basic Features (press the button 1X)

-  ➤  aux 2
-  ➤  cold weather







Multi-Car Operation (press the button 2X)

-  ➤  ➤  : 2nd car lock
-  ➤  ➤  : 2nd car unlock
-  ➤  ➤  : 2nd car start/stop
-  ➤  ➤  : 2nd car trunk

Customized Features (press the button 3X)

(May not be compatible with some vehicles)

Your installer can add customized features such as turning on the radio, opening sliding doors, etc.

-  ➤  ➤  ➤  : customized feature 1
-  ➤  ➤  ➤  : customized feature 2
-  ➤  ➤  ➤  : customized feature 3

Button (Channel 4)	LCD	Sounder

Remote-Starting Your Vehicle

Setting Your Vehicle Into Ready Mode

In order to start the vehicle by remote, the unit must first be set to Ready Mode. If the unit is not set to Ready Mode, it cannot remote-start the vehicle.

Once the system is set to Ready Mode, the vehicle can be remote-started and stopped at wish.

To set the system to Ready Mode:

1. Ensure that all the doors are closed and that the shifter is in the **NEUTRAL** position.
2. With the engine already running, apply the parking brake and release the brake pedal.
Make sure to release the brake pedal.
3. Within 20 sec. press **LOCK**, **UNLOCK** or **START/STOP** on the transmitter.
The parking lights will flash 3 times quickly and remain lit.
4. Remove the key: the engine will go on running.
5. Exit the vehicle and close the door.
6. Press and hold either:
 - a. **LOCK** to lock the doors and shut down the engine;
 - b. **UNLOCK** to unlock the doors and shut down the engine;
 - c. **START/STOP** to shut down the engine without affecting the doors.


Remaining In Ready Mode

Once the vehicle is in Ready Mode you can start and stop the vehicle at wish. However, should any of the following occur, the vehicle will exit Ready Mode – thus eliminating the remote start option until Ready Mode is restored:

- Door opened;
- Hood opened;
- Brake pedal pressed;
- Parking brake disengaged;
- Ignition key turned to the **IGNITION ON (RUN)** position.


Note: The unit will notify the user that it has exited Ready Mode by giving 3 slow flashes (parking lights).

Remote starting

Press the  button for approx. 1 second. The parking lights will come **ON** to inform you that the remote starter has received your signal. Approximately 5 seconds later, the engine will start. The parking lights will remain **ON** during the pre-programmed run time of the engine.

If the vehicle does not start at the first attempt, the system will shut down.

Driving Off

With the vehicle running under remote control, press the  button to disarm and unlock the doors. Enter the vehicle and do the following:



Turn the ignition key to the **IGNITION ON (RUN)** position. (**Do not turn the key** to the **CRANK** position while the engine is running. This would cause the starter motor to re-engage.)

Press the brake pedal to disengage the remote starter unit.

You are now ready to drive off.

Arming the Starter Kill

The starter kill (if installed) can be configured by the installer so as to arm automatically (passive mode) or not to arm automatically (active mode).

- To **disarm** the starter kill, press the  button on the transmitter. The parking lights will flash twice. If remote door locks are installed, this will also unlock the doors.
- To **arm** the Starter Kill, press the  button on the transmitter. The parking lights will flash once. If remote door locks are installed, this will also lock the doors.
- In **passive mode**, the starter kill will automatically arm if the ignition key is not inserted into the ignition switch within 1 or 3 minutes after unlocking (the key sense feature must be installed).


Remote Starter Features





Idle Mode

Convenience feature: Idle Mode allows you to keep the engine running and the doors locked while you stop, for example, at a convenience store or for a short delivery.

This feature allows you to let the remote starter take over control of the vehicle (i.e. no Key in the Ignition Switch) while the engine is running. For example, if you stop for a delivery or at a convenience store, lock your vehicle and leave it running for the length of a run cycle while you are away.

The engine will go on running until the user re-enters the vehicle or until the expiration of the Engine Run Time.

Idle Mode can be activated through the same routine as that used for Ready Mode; at the last step, the  button is pressed instead of the other buttons:

1. Ensure that all the Doors are closed and that the Shifter is in the Neutral position.
2. With the Engine already running, apply the Parking Brake and release the Brake Pedal.
Make sure to release the brake pedal.
3. Within 20 sec. push ,  or  on the Transmitter.
The parking lights will flash 3 times quickly and remain lit.
4. Remove the key: the Engine will go on running.
5. Exit the vehicle and close the Door.
6. Press the  button until the system is armed (the doors will be locked if remote door lock is installed).

If the pre-programmed run-time expires or if the user shuts down the engine by remote control, the vehicle will get in Ready Mode.

Caution!!! Do not leave children or pets unattended in a vehicle standing in Idle Mode.

Valet Modes

Ignition Valet

This feature will allow you to remotely put your system into valet mode by using the ignition key instead of the valet button as above. Ignition valet can be used without a valet button installed.

To put the system i n t o valet mode:

Insert the ignition key into the ignition switch. Within 10 sec., turn the key 5 times successively into the **IGNITION ON / RUN** and **OFF** positions.

The parking lights will flash three times to indicate that the vehicle is now in valet mode. The L.E.D. will come **ON** solid.

— The  icon will appear on your LCD remote if you press **LOCK** or **UNLOCK**..

To take the system o u t o f valet mode:



Insert the ignition key into the ignition switch. Within 10 sec., turn the key 5 times successively into the **IGNITION ON / RUN** and **OFF** positions.











The parking lights will flash twice to indicate that the vehicle is now out of valet mode. The L.E.D. will go out.

Flashing LED OFF: the LED will not flash even when the module is armed (either under active or passive arming). Nevertheless, if the module enters valet mode, the LED will still remain lit without flashing as long as the ignition is off.

Multi-car Operation

This option allows the owner of two vehicles, both equipped with the same Remote Car Starter model, to control both systems with a single remote control. **To control the second vehicle:**
















Press **TRUNK + LOCK** buttons simultaneously:..... **LOCK**
 Press **TRUNK + UNLOCK** simultaneously:..... **UNLOCK**
 Press **TRUNK + START/STOP** simultaneously:..... **START**
 Press **TRUNK + START/STOP** simultaneously:..... **STOP**
 Press  >  > **TRUNK**:..... **TRUNK**

or
 Press  >  > **LOCK**:..... **LOCK**
 Press  >  > **UNLOCK**:..... **UNLOCK**
 Press  >  > **START/STOP**:..... **START**
 Press  >  > **START/STOP**:..... **STOP**
 Press  >  > **TRUNK**:..... **TRUNK**








Note: In order to access the 2nd car operations with the companion remote, Shift button must be pressed twice quickly and then one more time followed by **LOCK**, **UNLOCK**, **TRUNK** or **START/STOP**. If the multi-level features have been modified from their default state by your installer, the **SHIFT** button may have to be pressed once, twice or three times, according to the option you chose.

LCD Transmitter Operation and Confirmations (Second Car Control)

Basic Operations

Function	Button press	Icon	Sound
Lock	 + 		1 beep
Unlock	 + 		2 beeps
Start	 + 		Melody
Stop	 + 	None	Melody
Trunk	 >  > 		1 Beep

Start/Stop While in Safe Start Mode

Function	Button press	Icon	Sound	Description
Start on safe start mode	 +  x 2		Melody	Press  +  simultaneously twice within 3 seconds. Press for 1 sec- a beep will be heard- then press 1 sec and a melody will be heard again.
Stop on safe start mode	 + 	None	Melody	

Note: Once the Home Valet Mode is activated, the vehicle will not start by remote.

To take the system into Home Valet Mode:

Press the **LOCK** button.

Within 3 seconds, press the **START/STOP** and **LOCK** buttons simultaneously until the Parking Lights go **out**.

To take the system out of Home Valet Mode:

Turn the ignition key to the **IGNITION ON (RUN)** position.

The system will warn you if someone attempts to start your vehicle while it stands in Home Valet Mode. The parking lights will:

Go **ON** then **OFF**; then

Flash **twice**, pause; then

Flash **twice** again.

Turbo Mode

If Turbo Mode is configured at installation, it will allow a turbocharger to idle down after the user leaves the vehicle: the unit will take over the vehicle and keep it running for 60 seconds (or until it is shut down by remote control), then shut down the engine and set the Remote Car Starter to Ready Mode.

To activate Turbo Mode, follow all steps of the Ready Mode routine :

1. Ensure that all the doors are closed and that the shifter is in the neutral position.

With the engine already running, apply the parking brake and release the brake pedal.

Make sure to release the brake pedal.

Within 20 sec. press **LOCK**, **UNLOCK** or **START/STOP** on the transmitter.

The parking lights will flash 3 times quickly and remain lit.

Remove the key: the engine will go on running.

Exit the vehicle and close the door.

Press and hold either:

LOCK to lock the doors and shut down the engine after 60 sec.;

UNLOCK to unlock the doors and shut down the engine after 60 sec.;

START/STOP to shut down the engine immediately, without affecting the doors (this will by-pass Turbo Mode).

TRUNK TO SET THE VEHICLE INTO IDLE MODE

Engine Run Time

If you have a gas engine, your Remote Car Starter can be programmed to run the engine for 3, 15, or 25 minutes (15 minutes by default). If you have a diesel engine, the Remote Car Starter can be programmed to run the engine for 8, 20, or 30 minutes (20 minutes default).

Flashing LED

The user may decide to turn on or off LED flashing at any moment. To do so, press and hold the **LOCK** and **UNLOCK** buttons for 3 seconds:

Flashing LED on: the L.E.D. will flash at all times (either under active arming or under passive arming) to indicate that the starter kill is active.

Active Arming: the LED will flash normally.

Passive Arming: the LED will not flash during the countdown preceding the activation of the Starter Kill. Once the Remote Car Starter is armed, the LED will flash at a normal rate.

In Valet Mode: the LED will remain lit without flashing.



— The  icon will disappear from your LCD remote if you press **LOCK** or **UNLOCK**.

Note: With the Ignition valet activated, the remote starter will be disabled.

Remote Valet Mode


This feature will allow you to remotely put your system into valet mode by using the transmitter instead of the valet button as above.

Getting into valet mode



- Hold the  and  buttons simultaneously for 3 second.

- **The parking lights will flash 3 times.**

The LED will remain on solid.

— The  icon will appear on your LCD remote.

Getting out of valet mode

- Hold the  and  buttons simultaneously for 3 second.



- **The parking lights will flash 2 times.**



The LED will turn off.

— The  icon will disappear from your LCD remote.



Note: With the remote valet activated, the remote starter will be disabled.

Panic Mode

In an emergency situation, you can activate panic mode by pressing and holding the **LOCK** or **UNLOCK** button for 3 seconds. If the vehicle is under a remote start, the engine will shutdown automatically before setting off the horn. You can stop the horn by pressing  (this will lock your doors) or by pressing  (this will unlock your doors).

If the car is not running, you can stop the horn by pressing the  or  buttons but it will not lock or unlock the doors.

Furthermore, the panic mode can be stop by activating one of the following three (3) features:

- a) Remote valet (pressing  and  for 3 seconds)
- b) Ignition valet (turning the key inside the ignition switch from off to on 5 times in a row)
- c) Turn the key in ON position, then press the valet switch (if included).

Panic mode will automatically shut down after 25 sec.

Note: Panic mode can only be activated if the horn has been adequately configured by your installer.


Quick Lockout™


(Also called **secure panic**.) For fast protection in emergency situations, the system will **LOCK** all doors when you **press the brake pedal while you hear the sound signal**. (**Quick lockout** is only available when **panic mode** has been set off.)

Cold Weather Mode

When cold weather mode is active, the engine starts every 2 hours and runs for 3 minutes (or for 8 or 20 minutes with diesel engines). Cold weather mode automatically ends after 24 hours.

To enter Cold Weather Mode:



Press and release the  button and you will hear a beep, L-01 will appear on the display, then

press and hold the  button for 3 seconds until the parking lights flash three times.

The remote control will beep once and the  icon will appear on the display.

To exit Cold Weather Mode, do any one of the following actions:





- Open the hood.
- Start the engine by remote.
- Turn the ignition key to the **IGNITION ON (RUN)** position.

- Press and release the **F** button and you will hear a beep. L-01 will appear on the display. Then press the  button for 3 seconds (the parking lights will flash once).
When the system exits cold weather mode, the remote control will beep once and the  icon will disappear.


To verify whether the system is in cold weather mode:

Press the brake pedal: If the vehicle is in cold weather mode, the parking lights will stay on while the pedal is pressed.


How to access cold weather mode

Function	Button pressed	Icon	Sound	Instructions /description
To enter cold weather mode	F + 		Beep	Press F and the press and hold  for 3 seconds.
To exit cold weather mode	F + 	None	Beep	

Extended Run Time

While the vehicle is running under a remote start, **pressing and holding the  button for more than 3 seconds** will reset the run time counter to zero and restart the run time cycle from the beginning. There will be one beep —a pause— three more beeps; the parking lights will flash three times and the horn (if configured) will honk once. **The extended run time procedure can only be carried out once per remote start.**

To stop the vehicle, at any moment, simply press the  button.

Example: If your remote car starter is programmed for a run time of 3 minutes and your vehicle has been running for 2 minutes already, pressing the  button will reset the counter to zero and allow the engine to run for another cycle (in this case, 3 minutes).

Advanced Features: Installation-programmable Options

The remote car starter was designed with flexibility in mind. With its programmable options, this unit can single-handedly control nearly any electrical system in your vehicle.

Caution: The programming of your system should be left to a professional. Changing any one of the settings may affect the operation of your Remote Car Starter.

Remote Door Locks

If your Remote Car Starter was installed with the Remote Door Locks option, you will have the convenience of remote keyless entry. See section **Arming the Starter Kill**, earlier in this Guide, for further instructions on remote door locking and unlocking.

Priority Door Access

If the Remote Door Locks option is installed on your vehicle, this safety feature allows you unlock solely the driver's door with a single press of the **UNLOCK** button on the transmitter; upon a second press of the **UNLOCK** button, all the other doors will unlock.

Ignition-controlled Door Locks

This is an added security feature. If your Remote Car Starter was installed with the Ignition-Controlled Door Locks option, the doors will automatically be locked as soon as the ignition key is turned to the **IGNITION ON (RUN)** position while the brakes are pressed. When the key is turned to the **OFF** position, the doors will automatically be unlocked.

Ignition Re-lock

On Remote Car Starters of this series, when Ignition-controlled Door Locks are enabled and the ignition key is in the **IGNITION ON (RUN)** position, should any door be unlocked and opened, all doors will be relocked next time the brake pedal is pressed.

Secure Lock

Before it can remote-start your vehicle, the Remote Car Starter must first disarm the factory security system. The Secure Lock feature may be required on certain vehicle models with factory security systems that automatically unlock the doors when the security system is disarmed.

To keep your vehicle protected when the factory security system is disarmed for a remote start, Secure Lock will relock your doors as soon as the vehicle has started. Once the engine run cycle ends, Secure Lock will rearm your factory security system.

Remote Trunk Release

If your system was installed with the remote trunk release option, you can open your trunk by pressing the **TRUNK** button for 3 seconds.

The Starter Kill and the Anti-grind Feature

With this added security feature, the system will prevent your vehicle from starting with the ignition key when the Starter Kill is armed. If your Remote Car Starter was installed with the Starter Kill option, one will not be able to start your vehicle with the key unless the system has been unlocked and disarmed first, or put into Valet Mode.

Note: If the Starter Kill is installed, your vehicle will benefit from a protection against starter motor damage that could occur after remote-starting the engine should the user, by force of habit, turn the ignition key to the **CRANK** position.

Safe Start

If this feature is enabled, the user must press the **START/STOP** button 2 times within 3 seconds to remote-start the vehicle. This will eliminate accidental remote starts, e.g. when children are playing with the transmitter.

1. Press and release the **START/STOP** button.

The parking lights will turn on.

2. Within 2 seconds of the parking lights turning on, press and release **START/STOP** again (before the parking lights turn off).

If **Swap Start Mode** is selected, to remote-start your vehicle press **F** and then **LOCK**. The **AUX 2** output can be activated by pressing the **START/STOP** button.

Installer-Programmable Valet Modes

Valet Mode Using the Valet Switch (if installed)

To put the system into Valet Mode:

- Turn the ignition key to the **IGNITION ON (RUN)** position.
- Within 3 sec., press the valet button, the parking lights will flash three times and the L.E.D. will come on solid once the ignition key is removed.

To take the system out of Valet Mode:

- Turn the ignition key to the **IGNITION ON (RUN)** position.
- Within 3 sec., press and release the valet button, the parking lights will flash twice the L.E.D. will turn itself off.

Note: Once Valet Mode is activated, the remote starter will be disabled.

“Home Valet™” Mode

If configured at installation, this feature will remotely set the vehicle to a no-remote-start mode: if the vehicle is parked indoors there is no danger of it starting accidentally by remote control.