AS-6850

User Guide

<table>
<tr><td rowspan="2"></td><td><u>WARNING</u></td></tr>
<tr><td>

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.
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Battery Low Voltage Warning

Once the battery is weak, the button pressed to transmit signals will cause the low voltage output of the battery. The LCD remote will display battery low voltage icon, and display "L-BAT" with 2 beeps to warn the user to change the battery.

Table of Contents

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 advanced functions, this product will satisfy any 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 6-button multi-channel remote control. It can operate two independent vehicles equipped with identical remote starters (see **Multi-car operation** section on page).

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:

Transmitter Part Number: AS-6601

Function Button:
. Turns ON the backlight
. Allows access to Multi-level functions

Auxiliary Button
. Activates **AUX 2**, stops the Engine, sets the Temperature, activates Panic Mode, activates CWM (if programmed)

TRUNK Button:
Activates the Trunk

LOCK Button:
Locks all Doors and arms the Starter Kill

UNLOCK Button:
Unlocks all Doors and disarms the Starter Kill

START/STOP Button:
. Starts or Stops the engine (Normal functions)
. Starts the engine ONLY (if the Auxiliary Button is programmed as STOP Button)

F button Functionality:
(By default)

F button	Press less than 3 seconds	LCD display	Press less than 1 second
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 the $\boxed{\textbf{F}}$ button (for more than 3 seconds and less than 5 seconds), to turn the Backlight **ON** for 3 seconds. If the $\boxed{\textbf{F}}$ button is pressed down for more than 5 seconds, the backlight will stay **ON** until the $\boxed{\textbf{F}}$ button is released. A quick way to access the backlight is to press the $\boxed{\textbf{F}}$ button quickly (for less than 1 second); the backlight will turn on until the **MENU** operation ends.

Button $\boxed{\textbf{F}}$	Backlight
Press for < 1 second	Backlight ON until **MENU** operation ends.
Press for > 3 seconds and < 5 seconds	Backlight ON for 3 seconds.
Press for > 5 seconds	Backlight will stay ON until button $\boxed{\textbf{F}}$ 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** *0 is flashing*	Adjusts parking hour (value from 0 to 12)
	Parking minute	**P 0:30** *30 is flashing*	Adjusts parking minute (value from 0 to 59)
	Toggle Parking countdown	**P -- ON +** 🔔 *Or* **P – OFF**	Enables or disables parking countdown. There is a beep 5 min. before the Parking countdown reaches 0.
2	**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**	
3	**Illumination Menu**	**ILLUM**	
	Toggle Illumination Mode	**ON** *Or* **OFF**	**ON** – basic operation with backlight illumination **OFF** – basic operation without backlight illumination
4	**Keypad Lock Time Menu**	**KELOC**	
	Keypad lock time	**05** **10** **20**	When the SECURE is ON, Keypad will be locked automatically 5 sec./10 sec./20 sec. after the MENU operation ends.

5	Side Button Program Menu	SBPRO	Aux Button Programming
	Side Button Programming	**TEMP** **STOP** **PANIC** **CWM** **AUX**	
6	**Language Menu**	**LANGU**	
	Language	**ENG** *Or* **FRAN**	English is default.
7	**Temperature Menu**	**TEMP**	
	Temperature	**CTEMP** *Or* **FTEMP**	Deg. Celsius or Fahrenheit Deg. Celsius is default.
8	**Clock Menu**	**CLOCK**	
	Clock hour	**12:00** 12 is flashing	Adjusts clock hour (value from 0 to 12)
	Clock minute	**12:00** 00 is flashing	Adjusts clock minute (value from 0 to 59)
9	Confirmation Mode Menu	CONFM	
	Confirmation Mode	**BZVIB** *Or* **BLITE**	Buzzer and Vibration option Red Backlight option for Alarm
	Toggle BZVIB	**BUZ** *Or* **VIB + vib ICON**	Buzzer Vibration
	Toggle BLITE	**ON** *Or* **OFF**	Red backlight flashing when alarm No red backlight flashing when alarm
10	**Backlight Color Menu**	**COLOR**	
	Backlight	There are 8 different colors. **C1-C8**	Blue light is default C1-C8 color.
11	**SECURE Menu**	**SECUR**	Locks the transmitter's keypad.
	Toggle lock remote	**ON** *Or* **OFF**	ON – lock the transmitter's keypad. OFF – unlock the transmitter's keypad.
12	**Time Start Menu**	**TSTAR**	
	Time start hour	T 12:00 12 is flashing	Adjusts time start hour (value from 0 to 12)
	Time start minute	**T 12:00** 00 is flashing	Adjusts time start minute (value from 0 to 59)
	Toggle time start	**T – ON +** 🔔 *Or* **T – OFF**	Enables or disables
13	**VALET Menu**	**VALET**	
	Valet Mode options	VLTAM VLTST CMVLT	Valet Alarm Mode Valet Start Mode Combo Valet Mode
	Toggle Valet Mode	**ON** *Or* **OFF**	

14	CWM Menu	CWM	Cold Weather Mode
	Toggle CWM Mode	**ON** *Or* **OFF**	
15	Alarm Clock Menu	ALARM	
	Alarm hour	**A 12:00** **12 is flashing**	Adjusts alarm hour (value from 0 to 12)
	Alarm minute	**A 12:00** 00 is flashing	Adjusts alarm minute (value from 0 to 59)
	Toggle alarm	**A – ON +** 🔔 *Or* **A – OFF**	Enables or disables alarm

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, 5 min. 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 3 sec. to enter or exit Cold Weather Mode. If disabled,

press ⊞ (enter L-01)→ ⚡ button to enter or exit Cold Weather Mode.

Valet menu:

When this feature is enabled, press for 3 sec. 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 (except F button) is pressed, the LCD will display "PRESF" for 1 second and go back to the clock.

The transmitter keypad can also be locked as follows:

- Press ⊞ to go to Menu
- Within 3 seconds, press 🔒

Press ⊞ for about 1 sec to unlock the transmitter keypad. At the same time, the LCD screen will display "PRESb" for 1 sec. and then go back to the clock.

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:

Button	LCD	Sounder
Lock button	🔒 + LOCK	1 beep
Unlock button	🔓 + UNLOCK	2 beeps
Trunk button	TRUNK text for 1 sec.	1 beep
Start button	START text for 1 sec., + backlight user selected for 2 sec.	1 beep
Engine running	Run time + ⚡ icon + Blue backlight for 3 sec.	3 beeps
Engine stop	Red backlight on for 3 sec.	2 beeps
AUX Button	TEMP - displays temperature + backlight user selected for 3 sec. STOP - transmits Engine stop code PANIC - transmits PANIC Mode code CWM - transmits CWM code AUX - transmits AUX code	1 beep 2 beeps
Unlock+Start button	Valet icon if pressed more than 3 sec.	1 beep
Lock+Unlock button	Same as AUX button	-
Trunk+Lock button (2nd car operation)	🔒 + LOCK	1 beep
Trunk+Unlock button (2nd car operation)	🔓 + UNLOCK	2 beeps
Trunk+Start button (2nd car operation)	START text for 1 sec.	1 beep
L --01 → Lock button		1 beep
L --01 → Unlock button		1 beep
L --01 → Trunk button	Temperature + backlight user selected for 3 sec.	
L --01 → Start button (pressed more than 3s)	CWM or MTF text for 1 sec.	1 beep
L --02 → Lock button (2nd car unlock)	LOCK + 🔒	1 beep
L --02 → Unlock button (2nd car unlock)	UNLOCK + 🔓	2 beeps
L --02 → Trunk button(2nd car trunk)	TRUNK text for 1 sec.	1 beep
L --02 → Start button(2nd car start)	START text for 1 sec.	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 (Channel 4)		1 beep

Remote-Starting Your Vehicle

If your vehicle has an **automatic** transmission, simply press the **START/STOP** button to remote start or stop your vehicle. Skip the next steps on to "Remote-starting".

Warning: If you vehicle has an automatic transmission and the parking lights flash 15 times after pressing the **START/STOP** button, the parking brake is connected to ground. It is **imperative** that you see your installer and have him disconnect the wire.

Setting Your Vehicle Into Ready Mode

If your vehicle has a **manual** transmission you must read the following instructions. 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.
7. The ⓡ icon will appear on your screen.

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 approximately 1 second. The LCD will display "START" with the backlight ON for 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. If your vehicle is equipped with an automatic transmission, there will be 3 start attempts before the system gives up.

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 30 seconds after unlocking (the key sense feature must be installed).

Alarm Function

When an intrusion from door, hood, trunk, shock or ignition is detected, the remote will send beeps or vibrate for about 60 seconds. At the same time, the LCD remote will display "ALARM" and "DOOR/HOOD/TRUNK/SHOCK/real time" (depends on the type of alarm) alternately. The icon of door, hood, trunk or shock will be flashing and the red backlight will be flashing (when the BLITE is set ON).

Alarm Type	LCD Text	Icon	Sound or Vibration
DOOR	ALARM + DOOR	Car front view outline + door open and closed	60 seconds
HOOD	ALARM + HOOD	Car side view outline + hood up and down	60 seconds
TRUNK	ALARM + TRUNK	Car side view outline + trunk up and down	60 seconds
SHOCK	ALARM + SHOCK	Car front view outline + shock sensor flashing	60 seconds
IGNITION	ALARM + real time	NONE	60 seconds

If the **passive arming/single-stage disarm** was selected at the time of the installation, the user will be able to stop the siren AND disarm the system by pressing the LOCK or UNLOCK button **once**. If the **passive arming/dual-stage disarm** option was selected instead, the user will only stop the siren by pressing the LOCK or UNLOCK button once. In order to stop the siren AND disarm the system, they will have to press the LOCK or UNLOCK button **twice**.

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.

To leave the vehicle in Idle Mode if your vehicle has an <u>automatic transmission</u>:

1. With the engine running, press the or button (to unlock the doors) or the button on the remote control until the parking lights come on.
2. Remove the key and exit the vehicle. The engine will go on running.
3. Lock the doors if needed.

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

If your vehicle has a <u>manual transmission</u>, 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 Doors.

6.   Press the 🔰 button until the system is armed (the doors will be locked if remote door lock is installed). The remote will beep 3 times to confirm the engine running status.

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 that is in Idle Mode.

Valet Modes

There are 3 sorts of Valet Modes: Combo Valet, Valet Start and Valet Alarm. When your vehicle is in Combo Valet Mode, both the remote starter functions and the alarm functions are disabled. When your vehicle is in Valet Start Mode, the remote starter functions are disabled. When your vehicle is in Valet Alarm Mode, the alarm functions are disabled.

Ignition Valet

This feature will allow you to remotely put your system into Combo 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 into COMBO 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 A**V**S icon will appear on your LCD remote.

To put the system out of COMBO 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 A**V**S icon will disappear from your LCD remote.

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

Getting into Valet Mode using combined buttons

• Hold the 🔒 and ⚡ buttons simultaneously for 3 second.
• **The parking lights will flash 3 times.**
The LED will remain on solid.

— The A**V**S icon will appear on your LCD remote.

Getting out of Valet Mode using combined buttons

• Hold the 🔒 and ⚡ buttons simultaneously for 3 second.
• **The parking lights will flash 2 times.**
The LED will turn off.

— The A**V**S icon will disappear from your LCD remote.

Remote Combo Valet Mode

This feature will allow you to remotely put your system into Combo Valet Mode by using the transmitter.

Getting into Combo Valet Mode

- Press the $\boxed{\textbf{F}}$ go to the MENU.
- Press the 🔒 or 🔓 go to the VALET MENU.
- Press 🗝 go to the next stage MENU, Press the 🔒 or 🔓 to choose the CMVLT (COMBO VALET) Mode.
- Press 🗝 go to the next stage MENU, Press the 🔒 or 🔓 to choose the ON.
- Press and hold 🗝 for 5 seconds.
- **The parking lights will flash 3 times.**
— The $\textbf{A}\textbf{V}\textbf{S}$ icon will appear on your LCD remote.

Getting out of Combo Valet Mode

- Press the $\boxed{\textbf{F}}$ go to the MENU.
- Press the 🔒 or 🔓 go to the VALET MENU.
- Press 🗝 to go to the next stage MENU, Press the 🔒 or 🔓 to choose the CMVLT (COMBO VALET) Mode.
- Press 🗝 go to the next stage MENU, Press the 🔒 or 🔓 to choose the OFF.
- Press and hold 🗝 for 5 seconds.
- **The parking lights will flash 2 times.**
— The $\textbf{A}\textbf{V}\textbf{S}$ icon will disappear on your LCD remote.

> **Note**: With the remote valet activated, the remote starter and the alarm function will be disabled.

Remote Valet Start Mode

This feature will allow you to remotely put your system into Valet Start Mode by using the transmitter.

Getting into Valet Start Mode

- Press the $\boxed{\textbf{F}}$ go to the MENU.
- Press the 🔒 or 🔓 go to the VALET MENU.
- Press 🗝 go to the next stage MENU, Press the 🔒 or 🔓 to choose the VLTST (VALET START) Mode.
- Press 🗝 go to the next stage MENU, Press the 🔒 or 🔓 to choose the ON.
- Press and hold 🗝 for 3 seconds.
- **The parking lights will flash 3 times.**
- The $\textbf{V}\textbf{S}$ icon will appear on your LCD remote.

Getting out of Valet Start Mode

- Press the $\boxed{\textbf{F}}$ go to the MENU.
- Press the 🔒 or 🔓 go to the VALET MENU.
- Press 🗝 go to the next stage MENU, Press the 🔒 or 🔓 to choose the VLTST (VALET START) Mode.
- Press 🗝 go to the next stage MENU, Press the 🔒 or 🔓 to choose the OFF.
- Press and hold 🗝 for 3 seconds.
- **The parking lights will flash 2 times.**
- The $\textbf{V}\textbf{S}$ icon will disappear on your LCD remote.

Remote Valet Alarm Mode

This feature will allow you to remotely put your system into Valet Alarm Mode by using the transmitter.

Getting into Valet Alarm Mode

- Press the **F** go to the MENU.
- Press the 🔓 or 🔒 go to the VALET MENU.
- Press ↩ go to the next stage MENU, Press the 🔓 or 🔒 to choose the VLTAM (VALET ALARM) Mode.
- Press ↩ go to the next stage MENU, Press the 🔓 or 🔒 to choose the ON.
- Press and hold ↩ for 3 seconds.
- **The parking lights will flash 3 times.**
- The **A∨** icon will appear on your LCD remote.

Getting out of Valet Alarm Mode

- Press the **F** go to the MENU.
- Press the 🔓 or 🔒 go to the VALET MENU.
- Press ↩ go to the next stage MENU, Press the 🔓 or 🔒 to choose the VLTAM (VALET START) Mode.
- Press ↩ go to the next stage MENU, Press the 🔓 or 🔒 to choose the OFF.
- Press and hold ↩ for 3 seconds.
- **The parking lights will flash 2 times.**
- The **A∨** icon will disappear on your LCD remote.

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/siren. You can stop the horn/siren 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/siren by pressing the 🔒 or 🔓 buttons but it will not lock or unlock the doors.

Furthermore, the Panic Mode can be stopped 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.

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 **F** 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 ᴬ⚡ 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 $\boxed{\mathbf{F}}$ 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 ᴬ🗲 *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	$\boxed{\mathbf{F}}$ + 🗲	ᴬ🗲	Beep	Press $\boxed{\mathbf{F}}$ and hold 🗲 for 3 seconds.
To exit Cold Weather Mode	$\boxed{\mathbf{F}}$ + 🗲	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 starter was designed with flexibility and OEM integration in mind. With its program-mable 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 starter.

Remote Door Locks

If your remote starter was installed with the remote door locks option, you will have the convenience of remote keyless entry. See section **Arming the Starter Kill**, on page 8, for further instructions on remote door locking and unlocking.

Priority Door Access

If the priority door locks option is installed on your vehicle, this safety feature allows you to unlock solely the driver's door with a single press of the 🔒 button on the transmitter; upon a second press of the 🔒 button, all the other doors will unlock.

Ignition-Controlled Door Locks

This is an added security feature. If your remote 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 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 the next time the brake pedal is pressed.

Secure Lock

Before it can remote-start your vehicle, the remote 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 ⬆ button for 3 seconds on the remote transmitter or by pressing the ⬆ button twice within 3 seconds.

The Starter Kill and 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 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 Mode

If this feature is enabled, the user must press the ⚡ 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.

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

How to access Safe Start Mode

Function	By pressing	Icon	Sound	Instructions / description
Start on Safe Start Mode	⚡ x 2	⏳ + ⚡	Melody	Press ⚡ twice within 3 seconds. Press for 1 sec-melody-then press 1 sec.
Stop on Safe Start Mode	⚡	None	Melody	

Installer-programmable Valet Modes

Valet Mode Using the Valet Switch (*if installed*)

When your vehicle is in Valet Mode, the remote starter functions are disabled. If the vehicle needs to be serviced, or if you park it indoors, the Valet Mode will prevent the engine from being remote-started accidentally.

To put the system into COMBO Valet Mode:
1. Turn the ignition key to the **IGNITION ON (RUN)** position.
2. Within 3 sec., press the valet button.

3. The parking lights will flash three times to indicate that the vehicle is now in Valet Mode. Turn the ignition key to OFF position.

To take the system out of COMBO Valet Mode:
1. Turn the ignition key to the **IGNITION ON (RUN)** position.
2. Within 3 sec., press and release the valet button (the L.E.D. will come **OFF**).
3. The parking lights will flash twice to indicate that the vehicle is now out of Valet Mode.

> **Note**: Once Valet Mode using Valet Switch is activated, the remote starter and the alarm function 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.

> **Note:** Once the Home Valet Mode is activated, the vehicle will not start by remote but the OEM alarm functions will still be enabled.

To take the system i n t o Home Valet Mode:
- Press the 🔒 or 🔒 button.
- Within 3 seconds, press the 🔒 and ⚡ buttons simultaneously until the parking lights go out.
- The **Vs** icon will appear on your LCD remote.

To take the system o u t o f 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:
> 1- Turn **ON** then **OFF**; then
> 2- Flash twice, pause; then
> 3- Flash twice again.

How to Access Home Valet™ Mode

Function	By pressing	Icon	Sound	Instructions / description
To enter Home Valet™ Mode	**Step 1 :** 🔒 or 🔒 **Step 2 :** 🔒 + ⚡ simultaneously within 5 sec.	**Vs**	1 beep	Press 🔒 or 🔒 . Within 5 seconds, press 🔒 +⚡ . The transmitter will display **Vs** and there will be 1 beep.
To exit Home Valet ™ Mode	None	None	None	Insert key in ignition switch and turn to the on position. The icon will disappear.

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.

If your vehicle has an automatic transmission, proceed as follows to set the system in Turbo Mode:

> With the engine already running, press the 🔒 button on the transmitter until the parking lights come **ON**.
> 2. Remove the ignition key from the ignition switch. **The engine will go on running.**
> 3. Exit the vehicle and close the door.
> 4. **Press the 🔒 button to lock the doors; the engine will shut down after 60 seconds of Turbo Mode.**

If your vehicle has a manual transmission, follow all steps of the Ready Mode routine, to activate Turbo 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 🔒 , 🔓 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 and hold either:

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

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

   c. ⚡ to shut down the engine immediately, without affecting the doors
   (this will bypass Turbo Mode).

   d. 👞 TO SET THE VEHICLE INTO IDLE MODE

Engine Run Time

If you have a gas engine, your remote 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 starter can be programmed to run the engine for 8, 20, or 30 minutes (20 minutes default).

How to Access to Run Time Status (Indication purpose only)

Function	By pressing	Icon	Gasoline	Diesel
Engine runtime	⚡	⚡	3 minutes	8 minutes
	⚡	⚡	15 minutes	20 minutes
	⚡	⚡	25 minutes	30 minutes

Temperature Request (If ACC-Temp-101 installed)

The user can request the temperature in the vehicle if a Temperature Sensor Module (ACC-Temp-100) is installed:

- Press the 🄵 button for 1 second and release; you will hear a beep. L-01 will appear on the screen.
- Immediately press the 👞 button and hold it until the temperature is displayed on the LCD screen.

Note: to change the temperature from Celsius to Fahrenheit, the user needs to refer to the menu.

Horn Chirp Timing

The pulse duration can be configured by your installer (from 5 ms. to 200 ms.).

Pager Function

This function will help you find the remote. By pressing the valet button for 3 seconds, you will trigger the pager function. The remote will beep to inform you of its location. User can press the LOCK or UNLOCK button to stop the beeping of the remote once it is found.

Multi-car Operation

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

Note: Your remote control must be configured for second car operation by the installer.

Press 🔨 + 🔒 simultaneously: .... **LOCK**

Press 🔨 + 🔓 simultaneously: .... **UNLOCK**

Press 🔨 + ⚡ simultaneously: .... **START**

Press 🔨 + ⚡ simultaneously: .... **STOP**

Press **F** ➤ **F** ➤ 🔨: .... **TRUNK**

or

Press **F** ➤ **F** ➤ 🔒 : .... **LOCK**

Press **F** ➤ **F** ➤ 🔓 : .... **UNLOCK**

Press **F** ➤ **F** ➤ ⚡: .... **START**

Press **F** ➤ **F** ➤ ⚡: .... **STOP**

Press **F** ➤ **F** ➤ 🔨: .... **TRUNK**

Basic Operations

Function	Button press	Icon	Sound
Lock	🔑 🔓	🔒	1 beep
Unlock	🔑 🔒	🔓	2 beeps
Start	🔑 + ⚡	run time + ⚡	3 beeps
Stop	🔑 + ⚡	None	2 beeps
Trunk	F ≻ F ≻ 🔑		1 Beep

Start/Stop While in Safe Start Mode

Function	Button press	Icon	Sound	Description
Start on Safe Start Mode	🔑 + ⚡ x 2	run time + ⚡	3 beeps	Press 🔑 + ⚡ simultaneously twice within 3 seconds. Press for 1 second - a beep will be heard - then press 1 second and a melody will be heard again.
Stop on Safe Start Mode	🔑 + ⚡	None	2 beeps	

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* F button *1X)*

| F | ≻ | 🔒 | .... aux 2 |
| F | ≻ | ⚡ | .... cold weather |

Multi-Car Operation (*press the* F button *2X)*

F	≻	F	≻	🔒 :	.... 2nd car lock
F	≻	F	≻	🔓	.... 2nd car unlock
F	≻	F	≻	⚡ :	.... 2nd car start/stop
F	≻	F	≻	🔑 :	.... 2nd car trunk

Customized Features (*press the* F 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.

F	≻ F ≻	F ≻	🔒 :	customized feature 1
F	≻ F ≻	F ≻	🔓 :	customized feature 2
F	≻ F ≻	F ≻	🔑 :	customized feature 3
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.

- 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.

Intrusion Codes through Chirps

If there has been an intrusion in the vehicle while it was locked and armed, the OEM alarm will provide in intrusion code matching the type of intrusion that took place. Disarm the alarm (**UNLOCK**) to identify the intrusion.

Diagnostics – Chirps Table

Chirps	Description
1	• Power OFF, power ON
2	• Door
3	• Shock
4	• Hood
5	• Panic
6	• Ignition
7	• Trunk

Diagnostics – Parking Light Flash Table

Flashes	Description	
1	• Doors locked, Starter Kill armed. • Run time has expired. • **TRUNK** button pressed.	• Start signal received by the module. • Cold Weather Mode cancelled.
2	• Remote start attempt cancelled by remote. • Doors unlocked, Starter Kill disarmed. • Exiting Ignition Valet.	• Exiting Remote Valet. • Power-up reset. • Board set from manual to automatic; power ON. • Power ON to OFF (**automatic transmission**).
2 quick flashes continuously	• Starter Kill ON / Alarm OFF.	
3	• Entering Cold Weather Mode. • Extended run time. • Entering or exiting Ready Mode.	• 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	• +12 V detected on the brake input wire either while cranking or during run time. • Entering multi-speed tach programming. • Board set from automatic to manual; power ON. • Power ON to OFF (**manual transmission**).	
5 Slow	• Start attempt failed because no tach signal has been programmed.	
5 Fast	• Tach signal programmed.	
6	• A remote start was attempted while a tach-before-crank signal was detected before cranking.	
8	• Unit reset: occurs when the unit is reset to the factory defaults.	
10	• A ground (-) signal was detected on the hood pin input wire.	
When pressing START/STOP 15 quick flashes…	• The parking brake is connected to ground (**automatic transmission**).	
1 —pause — 1—pause — 5 flashes	• Transmitter has been programmed. [During the transmitter programming procedure.]	
1 – pause – 2	• 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	• **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.	•Confirms that Cold Weather Mode is engaged.
ON 2 seconds	• The hood has been opened and a ground (-) signal has been detected on the hood pin input wire.	
ON 4 seconds	• Locking or unlocking a door (with Door pulses configured to 4 sec.).	
ON 20 seconds	• The hood pin has been flashed and you are now in the programming centre.	
Constant flashes for 25 sec.	• Panic Mode is triggered.	