AS-2360TW
User Guide

Table of Contents

Introduction

This is a state-of-the-art remote car 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 your expectations from high-end commodity and security systems, without neglecting any standard feature commonly offered by entry-level starters.

Using the Remote Control

Your remote starter is equipped with a 5-button multi-channel remote control. It can operate two independent vehicles equipped with a remote starter (see **Multi-car operation** section on page 14). The functions of the transmitter are as follows:

LOCK: Locks the Doors and arms the STARTER KILL.

UNLOCK: Unlocks the Doors and disarms the STARTER KILL. Activates the AUX 2 output if Priority Door Access is configured.

TRUNK: Opens the TRUNK or activates the **AUX 3** output.

START/STOP: Remote start/stop. **Cold Weather Mode** by pressing the **SHIFT** button and then pressing and holding the **START/STOP** button for 3 seconds.

AUX. **SHIFT:** This button serves as a second function button. In combination with the other four buttons, this button allows to assign different functions to those buttons.

LED #1 LED #2 LED #3 LED #4
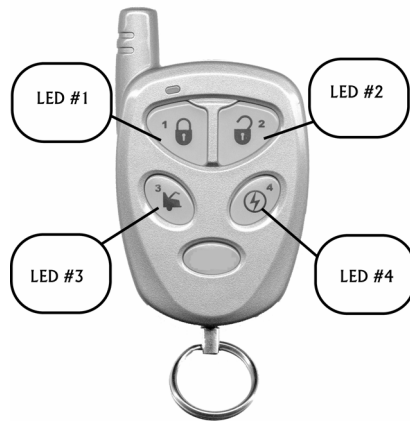
- Pressing and holding the LOCK button for more than 3 seconds will lock all doors and will send a constant pulse as long as the LOCK button is held down (maximum of 15 seconds). This constant pulse can be configured to activate certain functionalities such as rolling up the windows – **Please refer to your installer to see if your vehicle is compatible with this option.**

- Pressing and holding the UNLOCK button for more than 3 seconds will unlock all doors and will send a constant pulse as long as the UNLOCK button is held down (maximum of 15 seconds). This constant pulse can be configured to activate certain functionalities such as rolling down the windows – **Please refer to your installer to see if your vehicle is compatible with this option.**

Feature Confirmation Chart

Feature	LED #1	LED #2	LED #3	LED #4	Beep(s)
Lock	3 flashes	X	X	X	1
Unlock	X	3 flashes	X	X	2
Trunk	X	X	3 flashes	X	1
LED ON/OFF	3 flashes	3 flashes	X	X	1
Start	X	X	X	3 flashes	1
Running	X	X	X	3 flashes	3
Stop	X	X	X	3 flashes	2
Entering Cold Weather Mode	X	X	X	3 flashes	2
Exiting Cold Weather Mode	X	X	X	3 flashes	1
Home Valet	3 flashes	X	X	3 flashes	2
Valet Mode	3 flashes	X	X	3 flashes	1
Exit ValetMode	X	3 flashes	X	3 flashes	1
Fail Start Attempt	X	X	X	4 flashes	4

Vehicle Status Request

The status request feature allows the user to see the status of the vehicle —i.e.: if the doors are locked or unlocked or if the vehicle is in cold weather mode, home valet mode, in valet mode or how much time is left in the run time cycle. The following charts (Tables 1, 2, 3 and 4) indicate the confirmation sequences.

To retrieve the vehicle status:
Press and release the SHIFT button then press and release the TRUNK button (there will be a beep). The transmitter will then flash the corresponding sequence of LEDs depending on the vehicle's status.
- **If the engine is NOT running**, refer to Table 1.
- **If the vehicle is in or out of ready mode,** refer to Table 2
- **If the engine IS running under a remote start**, refer to Table 3 (if the doors are locked) or refer to Table 4 (if the doors are unlocked).

The status request feature is a two-step procedure:
- The first sequence of flashes denotes if the vehicle's doors are locked or unlocked.
- The second sequence of flashes (if applicable) denotes if the vehicle is *Cold weather mode*, *Home valet mode*, or, *Valet mode*.
- If there is no second sequence transmission, then the vehicle is none of the three (3) mentioned features (*Cold weather mode*, *Home valet mode* or *Valet mode*).

Status Request When the Engine IS NOT Running

STATUS	SEQUENCE	LED #1	LED #2	LED #3	LED #4	Beep(s)
Lock		3 flashes	X	X	X	1
Unlock		X	3 flashes	X	X	2
Cold Weather	1st sequence if locked	3 flashes	X	X	X	2
	1st sequence if unlocked	X	3 flashes	X	X	2
	2nd sequence	X	X	X	1 second	X
Home Valet	1st sequence if locked	3 flashes	X	X	X	2
	1st sequence if unlocked	X	3 flashes	X	X	2
	2nd sequence	1 second	X	X	1 second	X
Valet Mode	1st sequence if locked	3 flashes	X	X	X	1
	1st sequence if unlocked	X	3 flashes	X	X	1
	2nd sequence	1 second	X	X	1 second	X

Table 1

Ready Mode Status Request

STATUS	SEQUENCE	LED #1	LED #2	LED #3	LED #4	Beep(s)
In Ready Mode	if locked	3 flashes	X	X	X	1
	if unlocked	X	3 flashes	X	X	2
Out of Ready Mode	1st sequence if locked	3 flashes	X	X	X	1
	1st sequence if unlocked	X	3 flashes	X	X	2
	2nd sequence	X	X	X	4	4

Table 2

Status Request When the Engine IS Running

When the vehicle's doors are locked:

RUN TIME	SEQUENCE	LED #1	LED #2	LED #3	LED #4	Beep(s)
If there is more than 3/4 of run time cycle	1st sequence	3 flashes	X	X	X	3
	2nd sequence	ON for 1-sec	ON for 1-sec	ON for 1-sec	ON for 1-sec	X
If there is more than half of run time cycle	1st sequence	3 flashes	X	X	X	3
	2nd sequence	ON for 1-sec	ON for 1-sec	ON for 1-sec	X	X
If there is more than 1/4 of run time cycle	1st sequence	3 flashes	X	X	X	3
	2nd sequence	ON for 1-sec	ON for 1-sec	X	X	X
If there is less than 1/4 of run time cycle	1st sequence	3 flashes	X	X	X	3
	2nd sequence	ON for 1-sec	X	X	X	X

Table 3

When the vehicle's doors are unlocked:

RUN TIME	SEQUENCE	LED #1	LED #2	LED #3	LED #4	Beep(s)
If there is more than 3/4 of run time cycle	1st sequence	X	3 flashes	X	X	3
	2nd sequence	ON for 1-sec	ON for 1-sec	ON for 1-sec	ON for 1-sec	X
If there is more than half of run time cycle	1st sequence	X	3 flashes	X	X	3
	2nd sequence	ON for 1-sec	ON for 1-sec	ON for 1-sec	X	X
If there is more than 1/4 of run time cycle	1st sequence	X	3 flashes	X	X	3
	2nd sequence	ON for 1-sec	ON for 1-sec	X	X	X
If there is less than 1/4 of run time cycle	1st sequence	X	3 flashes	X	X	3
	2nd Sequence	ON for 1-sec	X	X	X	X

Table 4

How Run Time Cycles Work

RUN TIME CYCLE	LED #1 will turn itself off when ...	LED #2 will turn itself off...	LED #3 will turn itself off ...	LED #4 will turn itself off...
4-minute run time cycle	... the cycle will have ended.	... 3 minutes into the cycle.	... 2 minutes into the cycle.	...1 minute into the cycle.
9-minute run time cycle	... the cycle will have ended.	... 7 minutes into the cycle.	... 5 minutes into the cycle.	... 3 minutes into the cycle.
15-minute run time cycle	... the cycle will have ended.	...11 minutes into the cycle.	... 7 minutes into the cycle.	... 3 minutes into the cycle.
20-minute run time cycle	... the cycle will have ended.	... 15 minutes into the cycle.	... 10 minutes into the cycle.	... 5 minutes into the cycle.
25-minute run time cycle	... the cycle will have ended.	... 19 minutes into the cycle.	... 13 minutes into the cycle.	... 7 minutes into the cycle.
30-minute run time cycle	... the cycle will have ended.	... 23 minutes into the cycle.	... 16 minutes into the cycle.	... 9 minutes into the cycle.

Table 5

Example: If the vehicle was programmed with a run time cycle of 15 minutes and the engine was running (under a remote start) for 5 minutes (meaning there is 10 minutes left in the run time cycle), LEDs #1 #2 and #3 would light up. LED #3 will turn itself off when there will be 8 minutes or less left in the run time cycle.

Multi-Level Features (*default state*)

Basic features (*press the SHIFT button 1X*)

SHIFT	➤	**LOCK**:	aux 2
SHIFT	➤	**TRUNK**:	status request
SHIFT	➤	**START/STOP**	cold weather

Multi-car operation (*press the SHIFT button 2X*)

SHIFT	➤	SHIFT	➤	**LOCK**:	2nd car lock
SHIFT	➤	SHIFT	➤	**UNLOCK**:	2nd car unlock
SHIFT	➤	SHIFT	➤	**START/STOP**:	2nd car start/stop
SHIFT	➤	SHIFT	➤	**TRUNK**:	2nd car trunk

Customized features (*press the SHIFT button 3X*)

(*May not be applicable for certain vehicles*)

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

SHIFT	➤	SHIFT	➤	SHIFT	➤	**LOCK**:	customized feature 1
SHIFT	➤	SHIFT	➤	SHIFT	➤	**UNLOCK**:	customized feature 2
SHIFT	➤	SHIFT	➤	SHIFT	➤	**TRUNK**:	customized feature 3
SHIFT	➤	SHIFT	➤	SHIFT	➤	**START/STOP**:	customized feature 4

Setting transmitter features (*press the SHIFT button 4X*)

SHIFT ➤ SHIFT ➤ SHIFT ➤ SHIFT:

LOCK:	full beep	(LED #1 flashes)
UNLOCK:	half beep	(LED #2 flashes)
START/STOP:	disable beep	(LED #4 flashes)
TRUNK:	save modifications	(LED #3 flashes)

By default, the multi-level features are programmed as follows:
- Level 1 (Basic Features)
- Level 2 (Multi car operation)
- Level 3 (Customized Features)

- To access a feature that is programmed as level 1, press the SHIFT button once followed by the desired function.
- To access a feature that is programmed as level 2, press the SHIFT button twice followed by the desired function.
- To access a feature that is programmed as level 3, press the SHIFT button three times followed by the desired function.

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

Option 1:

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

Option 2:

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

Option 3:

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

Option 4:

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

Example: If the multi-level features were set to option 3, the setup would be as follows:
- Level 1 → Customized feature
- Level 2 → Multi car operation
- Level 3 → Basic features

The **"Basic features"** are now programmed as level 3 and therefore:
- To access the **aux.2** feature, the user needs to press on the SHIFT button **three** (3) times followed by the LOCK button.
- To access the **status request** feature, the user needs to press on the SHIFT button **three** (3) times followed by the TRUNK button.
- To access **cold weather mode**, the user needs to press on the SHIFT button **three** (3) times followed by the START/STOP button.

Remote-Starting Your Vehicle

Setting Your Vehicle into Ready Mode

This product is designed for vehicles with a **manual** transmission only. 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. The system will exit Ready Mode if a door or the hood is opened, if the brake pedal is pressed, if the parking brake is disengaged or if the ignition key is turned to the IGNITION ON (RUN) position.

To set the system to Ready Mode:

1. Ensure that all the doors are closed and that the gear selector 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.

Should any of the above occur, Ready Mode will be cancelled.

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

Remote-starting

Press the START/STOP button for approx. 1 second. The parking lights will come ON to inform you that the Remote Car 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, wait a few seconds and try to start the engine again. There will be 3 start attempts before the system gives up.

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.

Driving Off

With the vehicle running under remote control, press the UNLOCK 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.

Using the Remote Car Starter

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). See section **Passive or active arming**, later in this guide, for more details on Passive Mode and Active Mode.

- To **disarm** the Starter Kill, press the UNLOCK 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 LOCK 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).

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. Idle Mode can be activated through the same routine as that used for Ready Mode; at the last step, the TRUNK 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 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 the TRUNK 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.

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.
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 after 60 sec.;
   b. UNLOCK to unlock the doors and shut down the engine after 60 sec.;
   c. START/STOP to shut down the engine immediately, without affecting the doors (this will by-pass Turbo Mode).
   D. TRUNK TO SET THE VEHICLE INTO IDLE MODE

Valet Mode

When your vehicle is in valet mode, the remote starter functionalities 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.

When the vehicle is set to valet mode, the LED remains ON (it does not flash). The LED will turn itself off <u>ONLY</u> when the ignition key is turned to the IGNITION ON position.

Valet Mode Using the Valet Switch (if installed)

To put the system i n t o 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 o u t o f 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 and alarm functions will be disabled.

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 once the ignition key is removed.

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 in Valet Mode. The L.E.D. will go out.

> **Note**: With the Remote Valet activated, the remote starter and alarm functions 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 UNLOCK and START/STOP buttons simultaneously for 3 second.
- **The Parking Lights will flash 3 times.**
The LED will remain on solid.

Getting out of Valet Mode

- Hold the UNLOCK and START/STOP buttons simultaneously for 3 second.
- **The Parking Lights will flash 2 times.**
The LED will turn off.

"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.

To take the system i n t o 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 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:
- Go ON then OFF; then
- Flash **twice**, pause; then
- Flash **twice** again.

Panic Mode

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

In an emergency situation, you can activate panic mode by pressing and holding the SHIFT button for 3 seconds. If the vehicle is under a remote start, you can shutdown the engine, stop the horn and lock your doors by pressing the LOCK button:

If the car is not running, you can stop the horn by pressing the LOCK or UNLOCK 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 UNLOCK and START/STOP for 3 seconds)
   b) Ignition valet (turning the key inside the ignition switch from OFF to ON 5 times in a row)
   c) By pressing the valet switch (if included).

Panic Mode will automatically shut down after 30 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 4 minutes (or for 9 or 20 minutes with diesel engines). **The System must be in Ready Mode in order to enter Cold Weather Mode.** Cold Weather Mode automatically ends after 24 hours.

To enter Cold Weather Mode:
- Press the SHIFT button and then press and hold the START/STOP button for 3 seconds
   until the parking lights flash three times.

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 the brake pedal.
- Press and hold the START/STOP button for 3 sec. **(the parking lights will flash once)**.
  When the vehicle exits Cold Weather Mode, the Parking Lights will flash once.

If Safe Start is enabled, you can activate Cold Weather Mode by
- Pressing and releasing the SHIFT button, then
- Pressing and holding the START/STOP button until the parking lights flash 3 times

Advanced Features: Installation-programmable Options

The remote car starter was designed with flexibility and OEM integration 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.

The installation-programmable options are as follows:
- Remote Door Locks
- Priority Door Access
- Passive or Active Arming
- Starter Kill / Anti-grind feature
- Horn Chirp Timing
- Safe Start
- Home Valet ™

- Ignition-controlled Door Locks
- Ignition Re-lock
- Secure Lock
- Turbo Mode
- Remote Trunk Release
- Engine Run Time
- Multi-car Operation

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 and Disarming the Remote Car Starter**, 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.

Active or Passive Arming
The Starter Kill can be configured either to Passive Mode (so as to arm automatically) or Active Mode (so as to require user intervention for arming). By default, your Remote Car Starter is configured to **Passive Mode**. In Passive Mode, the Starter Kill will automatically arm **60 seconds** after the last door is closed. The Remote Car Starter will not arm if a door is left open, or if you re-open a door within the 60-second delay.

> **Important note:** When the Remote Car Starter re-arms automatically, you can disarm the When the Remote Car Starter by simply pressing the UNLOCK button.

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.

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.
- **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.

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 SHIFT and then LOCK. The AUX 2 output can be activated by pressing the START/STOP button.

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.

Turbo Mode
When left in Turbo Mode, the Remote Car Starter will keep the engine running for 60 seconds before shutting it down. This is to allow a turbocharger to idle down after the user leaves the vehicle. See **Turbo Mode** section earlier in this Guide.

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.

Engine Run Time

If you have a gas engine, your Remote Car Starter can be programmed to run the engine for 4, 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 9, 20, or 30 minutes (20 minutes default).

Extended Run Time

With the vehicle running under a remote start, pressing and holding the START/STOP button for more than 1 second will reset the run time counter to zero and restart the run time cycle from the beginning.

To stop the vehicle, at any moment, simply press the START/STOP button. This procedure can only be carried out once per remote start.

Example: if your Module is programmed for a run time of 4 minutes and your vehicle has been running for 3 minutes already, pressing the START/STOP button will reset the counter to zero and the Engine will run for another cycle (in this case, 4 minutes).

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, simultaneously press the TRUNK button and the button of the function you wish to use.

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

- Press SHIFT ➢ SHIFT ➢+ LOCK button simultaneously: .... LOCK
- Press SHIFT ➢ SHIFT ➢ + UNLOCK: .... UNLOCK
- Press SHIFT ➢ SHIFT ➢ + START/STOP: ....START
- Press SHIFT ➢ SHIFT ➢ + START/STOP: .... STOP
- Press SHIFT ➢ SHIFT ➢ + TRUNK: .... TRUNK

Troubleshooting Poor 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.

Diagnostics — Parking Light Flash Table

Flashes	Description
1	- Doors locked, Starter Kill armed. - End of Run Time. - TRUNK button pressed - Start signal received by the Remote Car Starter. - Cold Weather Mode cancelled. - Cannot start after maximum number of attempts is reached.
2	- Doors unlocked, Starter Kill disarmed. - Remote start attempt cancelled by remote. - Exiting remote valet - Exiting ignition valet
3	- Entering **Cold Weather Mode**. - Entering or Exiting **Ready Mode**. - Entering Extended Run Time. - Entering remote valet - Entering ignition valet
4	+12 V where detected on the brake line and cranking was cancelled. - Entering Tach-programming Mode
5	- New Transmitter programmed. - Tach programmed.
6	A remote start was attempted while a Tach or a vacuum signal was detected before cranking.
8	Unit reset: occurs when the Unit is reset to the factory defaults.
10	The Hood Switch line went to ground during cranking or Run Time.
1 – pause – 2	There was an attempt to start the vehicle while the Remote Car Starter was in Valet Mode.
2 – pause – 2	There was an attempt to start the vehicle while the Remote Car Starter was in Home Valet Mode.
4 – pause – 3	The vehicle went out of Ready Mode: +12 V detected on the Brake Line.
10 – pause – 3	The vehicle went out of Ready Mode: the Hood Pin-switch went to ground.
ON 2 sec.	The Hood is up and the Hood Switch line went to ground. This is step one of the Programming Centre procedure.
ON 3 sec.	First press of the START button under Safe Start.
ON 4 sec.	Locking or unlocking a Door (with Door pulses configured to 4 sec.)
ON 25 sec.	- The Hood Pin-switch has been pressed twice: the Unit went into step 1 of the Programming Centre procedure, and no Transmitter activity was detected for 20 seconds. **Or** the Unit went into step 1 of the Transmitter Programming procedure and no activity was detected for a few seconds. The Unit has exited the Transmitter Programming procedure.
Irregular	If the unit gives irregular signals (1 to 10 flashes followed by a pause, followed by further flashes), the system is playing back Start Failure Codes. This occurs when the Hood Pin-switch is pressed three times.
Constant flashes up to 30 sec.	Panic Mode was triggered.