

The background of the page is a high-contrast, black and white photograph of a textured metal surface. On the right side, there is a circular button with the word 'START' embossed on it. The lighting creates strong highlights and shadows, emphasizing the metallic texture and the three-dimensional quality of the button.

POWERstart

**USER MANUAL
for 2 WAYS systems**

INSTRUCTION FOR 2 WAYS REMOTE CONTROL.

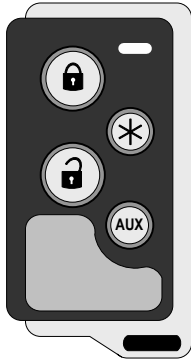
REMOTE CONTROL



2 WAYS
L.E.D.



2 WAYS
L.C.D.



VALET
1 WAY

BUTTONS DESCRIPTION FUNCTIONS

	LOCK / REARM
	UNLOCK / DISARM
	ENGINE START
AUX	AUXILIARY

GENERAL FUNCTION OF THE REMOTE CONTROL (VEHICLE REACTIONS FOR EACH FUNCTIONS)

	Key	1 Time	2 Times	2 Seconds	5 Secs or More
All Conditions		Lock doors & Rearm	Panic Mode <u>The Engine must be Stop</u>	Auxiliary #1 Select 2 nd Vehicle See Note #6 at page #4	POWER ON / OFF the remote control
		Unlock doors & Disarm	Temporary Valet Mode	Auxiliary #2	
	AUX	STATUS: displays the state of the vehicle	No Effect	Trunk Opener	
IGNITION ON	AUX	Turn ON / OFF the Audible Function <u>The System must be Disarmed first</u>	Turn ON / OFF the shock sensor <u>The System must be Disarmed first</u>	Trunk Opener	
ENGINE		Engine Start	Night Timer Mode	Auxiliary #3 Select 2 nd Vehicle See Note #6 at page #4	
	 RUNNING	Engine Stop	Reset the Running Time Timer	Auxiliary #3	

CONFIRMATION SOUNDS (RETURNED SIGNAL AFTER TRANSMITTING A COMMANDE)

	Key	1 Time	2 Times	2 Seconds	5 Secs or More
ENGINE STOP		1 beep	16 long beeps <i>and</i> vibration	3 beeps	To turn ON: 1 long beep To turn OFF: test sequence
		2 beeps	5 beeps	3 beeps	3 beeps
	AUX	1 beep	1 beep	3 beeps	3 beeps
		1 cricket type sound	4 cricket type sound	3 beeps	3 beeps
ENGINE RUNNING		1 cricket type sound	1 son type criquet lent	3 cricket type sound	To turn ON: 1 long beep To turn OFF: test sequence
		2 cricket type sound	5 cricket type sound	3 cricket type sound	3 cricket type sound
	AUX	1 cricket type sound	1 cricket type sound	3 cricket type sound	3 cricket type sound
		1 cricket type sound	2 cricket type sound	3 cricket type sound	3 cricket type sound

EVENTS SOUNDS (SIGNAL SENT FROM THE VEHICULE TO THE REMOTE CONTROL)

EVENTS	SOUNDS
Automatic arming or security rearm engaged	1 beep
Engine stopped via the remote, engine running time has expired, in valet mode or out of exit sequence (<i>for manual transmissions</i>).	3 long beeps
Alarm triggered	16 long beeps <i>and</i> vibration
Remote's battery low	3 cricket type sound slow

EVENTS	SOUNDS
Engine was started via the remote control and the doors were locked.	1 cricket type sound
Engine was started via the remote control and the doors were unlocked.	2 cricket type sound
Engine was started via the remote control and the trunk was open.	3 cricket type sound

INSTRUCTION FOR 2 WAYS REMOTE CONTROL.

TO TURN ON / OFF THE REMOTE CONTROL 2 WAYS L.E.D.



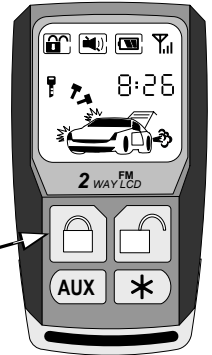
To turn the remote control **ON**, press the button and hold it for about 5 seconds, the icon will light on at the same time. After the 5 seconds, the remote control will run it's initial self test.

To turn the remote control **OFF**, press the button and hold it for about 5 seconds, the icon will light on and 2 chirps will be heard. After 5 seconds the remote control will emit a long chirp.

TO TURN ON / OFF THE REMOTE CONTROL 2 WAYS L.C.D.

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To turn the remote control **OFF**, press the button and hold it for about 5 seconds, 2 chirps will be heard. After 5 seconds the remote control will emit a long chirp.



ICONS DESCRIPTION OF THE REMOTE CONTROL 2 WAYS L.E.D.

NOTE	CONFIRMATION MODE	When a key is pressed a chirp is emitted. Within the next second the system will return an audible and visual confirmation of the command. The visual confirmation is the blinking, of one or several icons, 10 times within 15 seconds. <i>By pressing on the AUX key, one or several icons will blink 10 times within 15 seconds to indicate the STATUS of vehicle.</i>
	ALARM MODE	When an Alarm is emitted by the system, an audible and visual warning of 30 seconds is triggered on the remote control. One or several icons, will indicate the reason for this alarm. <i>By pressing on the AUX key, one or several icons will blink 10 times within 15 seconds to indicate the STATUS of vehicle.</i>

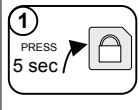
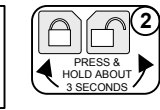

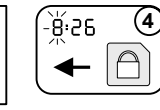

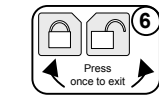
ICONS DESCRIPTION OF THE REMOTE CONTROL 2 WAYS L.C.D.

NOTE	CONFIRMATION MODE	When a key is pressed a chirp is emitted. Within the next second the system will return an audible and visual confirmation of the command. The visual confirmation is the changing of one or several icons on the L.C.D. display. <i>By pressing on the AUX key, one or several icons will be displayed on the L.C.D. screen to indicate the STATUS of vehicle.</i>
	ALARM MODE	When an Alarm is emitted by the system, an audible and visual warning of 30 seconds is triggered on the remote control. One or several icons, will indicate the reason for this alarm. <i>By pressing on the AUX key, one or several icons will be displayed on the L.C.D. screen to indicate the STATUS of vehicle.</i>

Icon	Function	Description
	_Light ON each time a key is pressed. _Indicates the Unlock and Disarmed Status.	When the remote control is turned OFF only this icon remains working, by pressing on the key.
	_Indicates the Door(s) Open Status.	
	_Indicates the Lock and Arm Status.	
	_Indicates the Triggred Shock Sensor Status.	
	_Indicates the Trunk or the Hood Open Status.	
	_Indicates the Engine Running Status.	
NOTE for Battery Charging		The battery can last between a month and a month and a half before recharging.
	_Indicates Low Battery Level. Needs to be Recharged.	Use the Charger provided with the system, The charging of the remote control is complete when the monitoring LED turns GREEN.

Icon	Function	Description
	_Will turn ON each transmission.	
	_Indicates the Door(s) Open Status.	
	_Indicates the Lock and Arm Status. _Indicates the Unlock and Disarmed Status.	
	_Indicates the Triggred Shock Sensor Status.	
	_Indicates the Trunk or the Hood Open Status.	
	_Indicates the Engine Running Status.	
	_Indicates that the Panic mode or the alarm is triggered.	
	_Indicates that the Valet mode is activated.	
	_Indicates that the 2nd Vehicle is selected.	
NOTE for Battery Charging		The battery can last between a month and a month and a half before recharging.
	_Indicates the battery level using lines in the battery icon.	Use the Charger provided with the system, The charging of the remote control is complete when the monitoring LED turns GREEN.




TO SET THE CLOCK ON THE L.C.D. REMOTE CONTROL

 <p>1 PRESS 5 sec</p>	<p>Turn ON the remote control by pressing the lock button 5 seconds.</p>	 <p>2 PRESS & HOLD ABOUT 3 SECONDS</p>	<p>Once turned ON, press & hold both the lock & unlock buttons until hearing a tone, then release the buttons.</p>	 <p>3</p>	<p>The Minutes will now flash and can be set by increasing it with the unlock button.</p>	 <p>4</p>	<p>By pressing the lock button, you switch to the hour digits.</p>	 <p>5</p>	<p>The hours will flash and can be set by increasing it with the unlock button.</p>	 <p>6 Press once to exit</p>	<p>To exit this mode press once on both the lock & unlock buttons or wait 30 seconds.</p>
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FEATURES AND OPERATIONS

Note 1 : Enable / Disable Audible

When the audible option is enabled, the system will chirp each time the system is armed or disarmed by the remote. To enable this option, the following steps must be performed :

1. Disarm the system by pressing the unlock button  .
2. Turn the ignition key to ON position (engine is not running).
3. If **disabled**, press once on the auxiliary button  to **enable** this option (confirmation 1 chirp / 1 flash).
If **enabled**, press once again on the auxiliary button  to **disable** this option (confirmation 2 flashes).

Note 2 : Panic Mode



The panic mode allows you to activate the horn or siren for a period of 30 seconds to scare away anyone prowling around your vehicle. In some instances, it may also be used as a car finder. To activate this option, the following steps must be performed :

1. The engine should not be running.
2. Press 2 times (quickly) on the lock button  . You will hear the horn or siren be triggered.

To deactivate the panic mode, press on any button (will deactivate the panic mode and execute the button function).

Note 3 : Temporary Valet Mode


When the temporary valet mode is activated, the system will ignore the passive arming mode (see the definition of passive arming at page 6). It may be useful when you fill up some gaz or work on your vehicle and you don't want the system arm by itself. To activate the temporary valet mode, the following steps must be performed:

1. Disarm the system by pressing on the unlock button  .
2. Press 2 times (quickly) on the unlock button  . The parking lights will flash 5 times to confirm the entry to this mode.

By pressing on lock  or unlock  button, you will cancel this function.

Note 4 : Night Timer Mode




This mode is practical when a very cold night is forecasted. The engine will start every 3 hours for a period of 3 minutes (4 times maximum). To activate this mode, the following steps must be performed :

1. The engine should not be running and the system should not be in valet mode.
2. Press 2 times (quickly) on the start button  . The parking lights will flash 4 times to confirm the entry to this mode.



This mode is deactivated if the vehicle is started by the key or the remote.

Note 5 : Enable / Disable The Shock Sensor

Disabling the shock sensor could be useful when the sensor is defect or you're in an area with a lot of vibration. This mode allows you to disable the shock sensor to avoid the alarm to trigger for nothing. To enable or disable this mode, the following steps must be performed :


1. Disarm the system by pressing on the unlock button  .
2. Turn the ignition key to ON position (engine is not running).
3. If **disabled**, press 2 times (quickly) on the auxiliary button  to **enable** this option (confirmation 1 bip / 1 flash).
If **enabled**, press 2 times (quickly) again on the auxiliary button  to **disable** this option (confirmation 2 flashes).

Note 6 : To select the 2nd vehicle:

Each remote 2 way can be programmed on 2 vehicles with 2 different identifications. To toggle from one vehicle to the other, press and hold both the  and  buttons. You will then hear 1 cricket type sound followed by 1 or 2 beeps to indicate which vehicle has been chosen.

Remote starter with MANUAL transmission


For safety, you must perform an "Exit Sequence" to be able to start the engine by remote later. The following steps must be performed :


1. You are seated in the vehicle, the engine is running with the key in the ignition and the system is not in valet mode.
Make sure all doors, the hood and the windows are closed.
2. Place the gear shifter in NEUTRAL position.
3. Set the emergency brake (hand brake).
4. Release the brake pedal. **If the option #14 (Automatic Sequence) is enable, go to step 6.**
5. Press on start button  .
6. The parking lights will flash once and stay ON. Remove the key from the ignition. The engine should keep on running.
7. Open the door(s) and exit the vehicle.
8. The engine will automatically shut down 3 seconds after the last door is closed. The system is now ready to start by the remote. (Exit Sequence Activated)

Note :

Opening any door or the hood after the "Exit Sequence" is activated, will cancel it. If you try to start the engine by the remote, the parking lights will flash 8 times and the engine will not start. In that case, you must perform the "Exit Sequence" again.

Remote Engine Starter:

To press on the start button  will activate the remote engine starter. Parking lights will turn ON for 2 seconds, the engine will start 6 seconds later. Parking lights will stay ON as long as the engine is running 3, 6, 12 or 24 minutes (depending on setting). If the engine does not start, the system will try a second time. If after the second try, the engine refuses to start, the system will shut down completely. You may be experiencing a mechanical problem.

To turn the engine off while the engine is running, press on start  button again.

Arming and Lock the doors:

To arm the system will also enable the starter kill and lock the doors (if installed). If you try to arm the system and you'll hear 4 (hood), 5 (doors) or 6 (trunk) chirps, one of the protected zones is opened. The system will ignore the defective zone and force the system to arm. Consult your installer to verify your system.

Disarming and Unlock the doors:

To disarm the system will also disable the starter kill and unlock the doors (if installed). If you hear 5 chirps when you disarm the system, it means that the alarm has been triggered while you were away.

Passive Arming:

If option #13 is set to "Passive Arming", the system will arm automatically 30 seconds after the last door is closed.

FEATURES AND OPERATIONS

Keyless Running Mode

The keyless running mode allows to keep the engine running without the key in the ignition. To activate this mode, the following steps must be performed :

Automatic Vehicle:

1. You are seated in the vehicle, the engine is running with the key in the ignition and the system is not in valet mode. Make sure the hood is closed and do not press on the brake pedal.
2. Press on the start button *****. The parking lights will flash once and stay ON to confirm this mode.
3. Remove the key from the ignition. The engine should keep on running.
4. Exit the vehicle, close and lock all doors. The engine should keep on running for 3, 6, 12 or 24 minutes (depending on setting).

Manual vehicle :

1. You are seated in the vehicle, the engine is running with the ignition key and the system is not in valet mode. Make sure all doors, hood and windows are closed.
2. Place the gear shifter in NEUTRAL position.
3. Set the emergency brake (hand brake).
4. Release the brake pedal. **If the option #14 (Automatic Sequence) is enable, go to step 6.**
5. Press on the start button *****.
6. The parking lights will flash once and stay ON. Remove the key from the ignition. The engine should keep on running.
7. Open the door(s) and exit the vehicle. During the door(s) is/are opened, press on the start button *****.
8. Close and lock all doors. The engine should keep on running for 3, 6, 12 or 24 minutes (depending on setting).

Deactivate the Starter Kill and Alarm (Permanently VALET Mode)

The valet mode allows you to deactivate alarm and starter kill and allows anyone to start and drive the vehicle with the key in the ignition. In valet mode, lock, unlock and remote trunk release are still functional. **Remote car starter and the alarm are not functional. This may be practical in the following cases :**

- You have lost the remote.
- The remote's battery is empty.
- You leave your vehicle to be serviced
- You leave your vehicle to a valet service.

To enable the valet mode, there are 2 procedures:

Procedure A

1. Turn the ignition key to ON position (engine is not running). You have to perform the step #2 within 15 seconds. If 15 seconds is expired, turn the ignition key OFF and redo this operation.
2. **Depress 4 times the brake pedal, within 15 seconds after the ignition key is turned to ON.** The LED lights on the antenna will stay ON confirming that the system is in permanently valet mode. (2 chirps / 2 flashes)

Procedure B

1. Turn the ignition key to ON position (engine is not running). You have to perform the step #2 within 15 seconds. If 15 seconds is expired, turn the ignition key OFF and redo this operation.
2. **Press and hold the button found on the antenna for 3 seconds.** The LED lights on the antenna will stay ON confirming that the system is in permanently valet mode. (2 chirps / 2 flashes)

Note :

In the permanently valet mode, the starter kill function is deactivated . You cannot start your vehicle by remote. If you press on start button *****, the parking lights will flash 2 times and the engine will not start. **To cancel the permanently valet mode, repeat steps 1 and 2. This time, the confirmation will be 1 chirp, 1 flash and the LED lights will turn off.**

Parking Lights flashing chart

Parking lights reactions to the different events.

Key	Parking lights	Functions / Events
	1 Flash	Lock doors & Rearm
IGNITION ON AUX	1 Flash	Audible Mode ON
IGNITION ON AUX 2X	1 Flash	Chock Sensor ON
	2 Flashes	Unlock doors & Disarm
IGNITION ON AUX	2 Flashes	Audible Mode OFF
IGNITION ON AUX 2X	2 Flashes	Chock Sensor OFF
*	2 Flashes	Valet Mode ON
ENGINE ON * 2X	2 Flashes	Reset the Running Time Timer (while remote starter active)
	3 Flashes	Lock doors & Rearm with a dome light delay set
AUX 2 sec	3 Flashes	Trunk Opener triggered
*	3 Flashes	Remote Starting Refused (hood open)
	4 Flashes	Lock doors & Rearm (hood open)
* 2X	4 Flashes	Night Timer Mode ON (engine must be OFF)
* 2 sec	4 Flashes	AUX #3 Triggered (when programmed)
2 sec	5 Flashes	AUX #2 Triggered (when programmed)
	5 Flashes	Unlock doors & Disarm (an alarm was recorded)
	5 Flashes	Lock doors & Rearm (door(s) open)
2 sec	6 Flashes	AUX #1 Triggered (when programmed)
	6 Flashes	Lock doors & Rearm (trunk open)
*	8 Flashes	Exit Sequence cancelled (manual transmission only)
*	12 Flashes	Ignition ON while trying to remote start
2X	Flashing for 30 secs	Panic Mode ON
ALARM	Continues Flashing	An alarm was triggered
ENGINE running	Parking Lights ON	System Remote Started, in running time or in keyless running mode

WARRANTY

The manufacturer guarantees to the purchaser of origin the remote starter and alarm to be free of defect material and labor. However, if it is proven that the product is defective, inside the two year period as from the original date of purchase, the manufacturer will repair or replace, without expenses towards the purchaser, any part (excluding any expenses incurred to deliver the product to the manufacturer) remote starter or alarm which the manufacturer considers defective. After the initial warranty period of 2 years, the manufacturer must repair or replace the defective products with a forwarding costs of 30.00\$US. All the guarantees apply to the original purchaser and ONLY to the vehicle in which it is initially installed. Repairs or replacement of the defective modules must remain at the discretion of the manufacturer. All the other parts, components, accessories or optional equipment relating to the remote starter and alarm are not included in the guarantee of the manufacturer. This guarantee is nontransferable. The original receipt must accompany a request for guarantee of service of any authorized retailer in factory. The fact of not conforming to these conditions can result in cancellation of the guarantee.




This guarantee does not cover the following elements: expenses for labor of removal or reinstallation, transport charges, abuse, misuse or accidental damage of the remote starter and the alarm or parts of the latter. This guarantee is cancelled in the event of amendments, repairs or deteriorations of any part of the product. The manufacturer does not guarantee or does not insure against the loss of the vehicle or its contents. The models of alarm are used only as dissuasion against any possible loss. This alarm can be considered for a reduction of the insurances; premiums please contact your insurance agent for more details. The manufacturer should not be held responsible for any consequent damage connected to a violation of this or any other guarantee express or implicit. This guarantee gives you specific statutory duties. These rights vary according to the area in which you reside.

CERTAIN DAMAGE IS EXCLUDED. The manufacturer declines any responsibility for additional damage caused by the product, including a financial loss, loss of use of the product, hiring of vehicle or all other expenses connected to the maintenance and the guard of the product. The manufacturer declines any responsibility for any additional damage caused by the product or resulting from his use, including the expenses of repair or replacement of other goods damaged or caused by his use, even if the product functions correctly. This product is designed to dissuade from an unauthorized use of the vehicles in which it is installed. The manufacturer does not guarantee that the product is proof against loss and vandalism and the human error or an inadequate use. The manufacturer does not accept any responsibility for any damage occurring any kind that it is caused by a vehicle in which the product is installed or resulting from damage from its use. The manufacturer does not accept any responsibility for any damage resulting from the loss of the vehicle or its contents, caused or claimed caused, directly or indirectly, by a failure of the product.

STARTER WITH MANUAL SHIFT – the installation of a remote starter MUST be carried out with an indicated manual transmission remote starter. It is the sole responsibility of the operator of the vehicle to make sure that the vehicle is left with the transmission in neutral when the remote starter is used. The manual transmission remote starter is designed as supplementary measure of safety ONLY! The manufacturer does not guarantee or does not insure against any damage or loss of life, which can result from remote starting the remote starter when the vehicle is in gear. The models for manual transmission are only designed to act as a preventive measure against starting in gear; it remains the sole responsibility of the operator or the owner of the vehicle to make sure the transmission is in neutral.

INSTALLATION NOTES

Indicate your programming selection in the table below:

OPT.	FUNCTION				AUX
1	TACH Fine Tuning	TACH is set to: _____ chirps			
2	Cranking Adjustment	◇			
3	Selection of Vehicle Transmission & Alarm		◇		
4	Running Time Duration			◇	
5	12V Programmable Power Out			◇	
6	Glow Plug Waiting time before starting (Diesel Motor Only)	◇			
7	Starter Cut (negative)	◇			
8	Parking Lights Positive	◇			
9	Rearm Output	◇			
10	Lock / Unlock Pulse	◇			
11	Brake to Lock	◇			
12	Passive Lock		◇		
13	Starter Cut / Alarm Arming			◇	
14	Automatic Sequence (Manual Vehicle Only)		◇		
15	Horn / Siren	◇			
16	Dome Light Delay	◇			
17	Horn Pulse Duration	◇			
18	Door Lock / Unlock configuration	◇			
19	Trigger Input Select (negative)	◇			
20	Transmitter Code Learning	Number of remote: _____			
21	AUX1 Output (negative)	◇			
22	AUX2 Output (negative)	◇			
23	AUX3 Output (negative)		◇		
24	AUX4 Output (negative)		◇		
25	Factory Default reset				

Vehicle's make			
Vehicle's model			
Year of mfg.			
Vehicle's color			
Vehicle's identification			
Transmission's type	Automatic <input type="checkbox"/>	Manual <input type="checkbox"/>	
Installer			
Installation date & location			
Number of remote			
Type of remote			
Type of bypass	None <input type="checkbox"/>	1 key <input type="checkbox"/>	Module data, type:
Data interface module	None <input type="checkbox"/>	Yes <input type="checkbox"/>	type:
P8U revision	Rev#: _____		
Comments			