AstroStart

REMOTE CONTROL ENGINE STARTER WITH INTEGRATED ALARM SYSTEM

USER MANUAL

Model 3106

For all automatic transmission gas- and diesel-powered vehicles.

LIMITED LIFETIME AstroStart WARRANTY

(FRANÇAIS AU VERSO)

CONSULT SAFETY PRECAUTION SECTION BEFORE USING THIS PRODUCT.

NEVER INSTALL THIS PRODUCT ON A MANUAL TRANSMISSION VEHICLE.

SOME FEATURES MAY REQUIRE ADDITIONAL MATERIAL (NOT INCLUDED).

PATENT NOS
CAN 1.130.426
USA 4.345.554 - 5.614.883
- 5.617.819 - 5.673.017
AND OTHER PATENTS PENDING

Manufactured in Canada by: Astroflex

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GOVERNMENT REGULATIONS

This device complies with the requirements of Industry Canada (IC) - Management of Radiofrequencies, as specified in document CNR-210. Its use is authorized only on a no-interference, no-protection basis; in other words, this device must not be used if it is determined that it causes harmful interference to services authorized by IC. In addition, the user of this device must accept any radio interference that may be received, even if this interference could affect the operation of the device.

This device complies with Part 15 of the FCC rules.

Operation is subject to the following two conditions:

(1) this device may not cause harmful interference and

(2) this device must accept interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television, which can be determined by turning the equipment OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

Warning:

Changes or modifications not expressly approved by <manufacturer> could void the user's authority to operate the equipment.

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SAFETY PRECAUTIONS

Before using this product, carefully read the following safety precautions.

- Immediately report any malfunction to the AstroStart dealer that performed installation.
- Under no circumstance can this product or its use be modified.
- Always turn off main switch when vehicle is parked in an enclosed, unventilated area or is in for servicing.
- Always turn off main switch when not using your Remote Starter for extended periods of time.
- Keep remote controls away from children.
- Have your engine tuned regularly to ensure optimum performance of your Remote Starter.
- Make sure your windshield wipers are turned off before leaving vehicle.
- Regularly check safety features that stop engine (see "SAFETY CHECKS" on page 16.)
- Make sure you comply with all local regulations which may prohibit leaving your engine running when vehicle is unattended in a public place.
- Always advise service personnel that your vehicle is equipped with a Remote Starter equipped with a starter cut function.
- We strongly recommend that you have your system checked annually.
  Contact the dealer in your area.

BEFORE USING YOUR REMOTE STARTER

Before leaving your vehicle, set the various controls in order to use your Remote Starter.

- Set heating/air-conditioning controls to desired position. (When the remote starter starts your engine, it will also turn on your climate control system.)
- Turn your windshield wipers to the "**OFF**" position.
- Make sure gearshift is in "**P**".

THE REMOTE CONTROL

Your remote control has been designed to fit the natural contours of your hands so that it is easier to use. It works off three long-life lithium batteries.

It can control two vehicles separately. Up to three additional remote controls can be assigned to your vehicle. See your dealer for replacement batteries or additional remote controls.

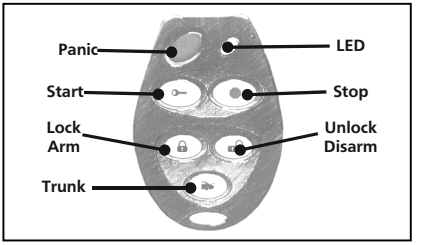
NOTE: The range of your remote control can be affected by a weak battery, interference from nearby metal structures, hydro poles, or crowded parking lots.

USING YOUR REMOTE CONTROL

Your remote control can transmit on two different channels, allowing control of two separate vehicles.

Only the "Panic" command is transmitted on both channels simultaneously.

Each command being transmitted is confirmed by both an audible and a visual signal (LED indicator).



CHANNEL 1 :

To transmit a command on channel 1, press desired button for two seconds.

CHANNEL 2 :

To transmit a command on channel 2, press desired button, then as soon as a tone is heard or LED flashes once, release the button for a moment then press it again and hold it down for two seconds.

A command will not be executed if you do not press button long enough.

Only one command will be transmitted even if a button is pressed for more than two seconds except for the Panic button which repeats the command as long as the button is maintained.

The remote transmitter supplied in the kit may differ from the one illustrated above.

BATTERY REPLACEMENT

Your remote works off three 3-volt lithium CR-2016 batteries or equivalent.

We strongly recommend that you keep a replacement set in your glove compartment.

To replace the batteries, remove screw on back of remote case, remove old batteries and replace with new ones. Make sure that batteries point the right way; see illustration opposite.

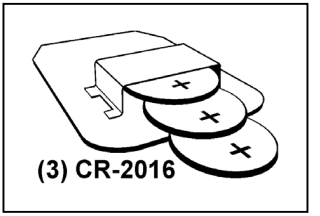


TABLE OF COMMANDS

COMMANDS	BUTTONS (PICTOGRAM)	CONFIRMATION		
		HORN	LIGHTS	SIREN
PANIC		30 / 60 SEC.	30 / 60 SEC.	30 / 60 SEC.
START / CONTINUOUS MODE		1 ❶	1 ❶	
STOP ❷			1	
LOCK / ARM		1 ❸❹	1 / 3 ❻	1 / 3 / X ❹❺❻❼
UNLOCK / DISARM ❽			2 / 4 ❾	2 / 4 / X ❺❼❾
TRUNK			3	
ACTIVATE / DEACTIVATE SENTINEL MODE			4 / 2 / 3 ❿	
ACTIVATE / DEACTIVATE UTILITY # 1			1	
ACTIVATE / DEACTIVATE UTILITY # 2			1	
RUNTIME ADJUSTMENT			1 - 4	
PRESET TEMPERATURE ADJUSTMENT			1 - 4	
CAR FINDER		7	3	
DISPLAY REMOTE START FAIL CODES			1 - 15	
DISPLAY ALARM ZONE CODES			1 - 7	

❶	THIS CONFIRMATION IS SENT ONLY IF START COMMAND IS REPEATED WHEN ENGINE IS ALREADY RUNNING		
❷	THIS COMMAND TERMINATES: RUNTIME, PANIC MODE AND ALARM CONDITION		
❸	WHEN CHIRPS OR ALARM IS DEACTIVATED	❹	WHEN "CONFIRMATION ON 2ND LOCK" IS ENABLED.
❺	THESE CONFIRMATIONS ARE PROGRAMMABLE AS ACTIVE/INACTIVE DURING INSTALLATION.		
❻	1 = NO ZONE IS IN VIOLATION DURING ARMING		3 = AT LEAST ONE ZONE IS IN VIOLATION DURING ARMING
❼	X = NO CHIRP WHEN VALET MODE IS ACTIVE OR WHEN ALARM IS PROGRAMMED AS DISABLED		
❽	TEMPORARY VALET MODE IS ACTIVATED IF COMMAND IS REPEATED DURING REARM CYCLE		
❾	2 = NO ZONE WAS IN VIOLATION WHILE ALARM WAS ARMED		4 = AT LEAST ONE ZONE WAS IN VIOLATION WHILE ALARM WAS ARMED
❿	4 = ACTIVATION	2 = DEACTIVATION	3 = SYSTEM NOT READY

CONFIRMATION

In all cases, your Remote Starter will confirm that command has been received properly. This will be done by either sounding horn and/or siren or flashing parking lights. In this manual, confirmation signals are written in an abbreviated form; for example:

(horn 1, lights: 2) Means that horn will sound once and parking lights will flash twice.

Parking light confirmations are mandatory. Horn confirmations are optional (programmable) and require an additional connection and equipment during installation.

Confirmations are explained in more detail under each command.

START COMMANDS

STARTING THE ENGINE

To start the engine, press button (horn: 0, lights: 1).

The system automatically adjusts ignition duration for your type of vehicle; parking lights flash once (duration: four seconds) then stay on all the time engine is running.

If more than one command is emitted, each successive start command resets runtime to the beginning, parking lights flash once to confirm command has been received and horn sounds once to let you know engine is already running.

Repeating this command will produce an audible confirmation that engine has started, which can be useful if vehicle is not in sight.

IF ENGINE FAILS TO START

If your system cannot start your engine at first attempt, it will wait for a few seconds and then try again (it could try again twice depending on reason for failure to start).

After three attempts, it will shut down automatically and wait for new command (see “Start fail Codes“ on page 15).

UPON ENTERING YOUR VEHICLE...

- Do not apply brakes; this will stop engine immediately.
- Insert ignition key and turn it to “**ON**” position.

DO NOT TURN IGNITION KEY TO “START” POSITION.

- Drive as usual.

ENGINE RUNTIME

Your engine will stop automatically after a preset time (see "Setting the runtime" on page 6). Parking lights will stay on as long as engine is running.

TRIGGER INPUT

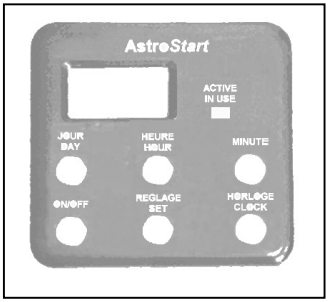
Your remote starter is equipped with a negative trigger (pulse) input.

This input can be connected to another remote control device or to an AstroStart RST-2 timer output (optional).

If this input is connected, consult this device's manual or ask your technician which command controls the Start/Stop function.

The Start/Stop commands received on this input are ignored while the engine is running on a remote start.

All Start/Stop functions controlled by this input behave in the same way as functions controlled by remote.



CONTINUOUS MODE

The Continuous Mode function lets you remove the key from ignition while leaving the engine running. This convenient feature allows you to leave vehicle for short periods of time while climate controls remain on.

To access Continuous Mode, send Start command while engine is idling. See “STARTING THE ENGINE“ on page 4.

Parking lights, engine and preset accessories will remain on for the duration of the programmed runtime (see “ Setting the runtime ” on page 6).

Remove key, exit vehicle and lock doors. All safety devices will remain active.

If you return to your vehicle before runtime has elapsed, just turn the key to the “**ON**” position and depress brake pedal.

WHAT STOPS THE ENGINE

For your safety, engine will not start or will stop if:

- Ignition key is in "RUN" position (prevents start);
- Remote control sends a stop command.
- Hood is open.
- Brakes are applied.
- Alarm is in infraction condition.
- Engine is over-revving.
- Main switch is **OFF**.

MAIN SWITCH

Main switch is usually mounted under dashboard. It is a toggle **ON**/**OFF** switch that is used to cancel start functions.

It does not disable other commands which remain active (alarm, door locking, etc).

STOP

When engine is kept running by Remote Starter, you can stop it with this command (lights: 1).

The stop command also ends panic mode and alarm condition.

LOW TEMPERATURE MODE

In Low Temperature (Sentinel) mode, system starts your engine automatically when temperature falls below a preset level.

Engine will run for programmed runtime, after which system will wait 2½ hours and then start engine again if temperature is still below preset level.

To activate/deactivate Low Temperature mode, press and buttons simultaneously.

When mode is activated:

Parking lights will flash 4 times, then, if temperature is below preset level, engine will start.

If temperature is above preset level, system waits until it goes below preset level before starting. If system cannot execute command (for example, hood is open), confirmation will be different (lights: 3)(see "Start Fail Codes" on page 15).

When mode is deactivated:

Parking lights will flash twice to confirm that mode is deactivated. Applying brakes also deactivates Low Temperature mode.

SETTING THE START TEMPERATURE

To change preset temperature at which you want your Remote Starter to start engine, press and buttons simultaneously (lights: 1 - 4).

Parking lights will flash from 1 to 4 times to indicate selected start temperature (see table opposite).

If you send command when ignition has been turned on (by Remote Starter or key), preset start temperature does not change. However, confirmation is still sent to indicate last selection.

Number of Flashes	Preset start temperature
1	-5°C (23°F)
2	-15°C (5°F)
3	-20°C (-7°F)
4	-30°C (-22°F)

SETTING THE RUNTIME

Press buttons and simultaneously (parking lights: 1 - 4).

Parking lights flash one to four times to indicate selected runtime (see table opposite).

If you send this command while the ignition circuits are activated (by remote or key), runtime does not change but confirmation is sent to indicate last selection.

If Low Temperature (Sentinel) mode is already activated when this command is sent, the command sets or indicates Low Temperature mode runtime.

Note: Runtime is doubled for a diesel engine.

Number of flashes	Runtime
1	2 minutes [1]
2	4 minutes
3	8 minutes
4	18 minutes

[1] A runtime of 2 minutes (4 min. for a diesel engine) is not recommended for most vehicles unless you intend to drive off immediately after the remote start. This selection is not available in Low Temperature mode.

SECURITY SYSTEM

PROTECTION ZONES

Your security system can use up to six different monitoring devices simultaneously to protect your vehicle.

These devices are connected to the system on different inputs called protection zones.

One of these zones can send an audible warning (7 chirps), while the other five generate an alarm condition if system is armed.

PROTECTION ZONES	FUNCTIONS
Warning (pre-shock)	Siren chirps (7 times)
Doors Hood Additional sensor Shock sensor Ignition (key)	Siren "ON" for 30 or 60 second period, which can be repeated up to 4 times depending on initial programming and whether violated zone is corrected or not. Each period is separated by a 5 second pause. (45 seconds for "Door" zone).

DETERRENTS

ACTIVE

When one of the monitoring devices detects a violation, system reacts by activating the following deterrents, depending which is connected.

System can activate up to four deterrents simultaneously: **siren**, **parking lights**, **dome light** and/or **horn**.

PREVENTIVE

Indicator light shows different alarm conditions (see "ZONE CODES" on page 10).
It can also act as a deterrent if installed in a place visible from outside vehicle.

ALARM MODES

WARNING

Warning signal is 7 siren chirps.

If a two-level shock sensor is connected to system, warning sounds every time vehicle is subjected to a light shock when alarm is armed.

PRE-ALARM

If you set off alarm by accident and don't want to alarm (or disturb) the whole neighborhood, "pre-alarm" mode cuts in three seconds before alarm condition to give you time to disarm system.

In this mode, parking lights, siren and dome light go on and off intermittently for three seconds.

ALARM CONDITION

When system is in alarm condition, it activates deterrents connected to the alarm module.

Alarm condition remains active for 30 or 60 seconds depending on initial programming, then system pauses for five seconds (45 seconds for "Door" zone).

During this pause, it checks the protection zones again and restarts alarm cycle if a zone is still in violation.

This cycle can be repeated up to four times. If situation that caused the violation is corrected in mid-cycle, alarm stops at end of current cycle.

OPERATION

Your alarm system has three different operating modes, **active**, **semi-passive rearming** and **passive rearming** depending on initial programming. See the relevant paragraph for mode your system was configured for during installation.

ACTIVE

In active mode, the alarm must be **armed** and **disarmed** using the remote (see Table of Commands on page 3).

Alarm is armed as soon as command is received, even if a zone is in violation when command is received.

However, violated zone cannot trigger the alarm unless it was in a normal condition beforehand.

This mode is always available even if, during installation, your system was not configured for it.

SEMI-PASSIVE REARMING

In semi-passive mode, alarm must be **armed** and **disarmed** using the remote (see Table of Commands on page 3).

In this mode, alarm rearms automatically 25 seconds after disarming (rearming cycle) if doors are all closed. Indicator light flashes rapidly to indicate that system is in rearming cycle.

Note: If vehicle is equipped with power locks interfaced with the system, a device can be added to prevent doors from locking during rearming if key is still in ignition. If applicable, this device allows system to be armed but cancels locking.

Key detection device **is** ☐, **is not** ☐ installed on this vehicle.

Following table shows effect of each zone on rearming cycle.

Protection zone	Effect on rearming cycle	
Hood Additional sensor Shock sensor	These three zones prolong rearming cycle as long as they remain in violation.	
Ignition	Activated by ignition key:	Cancels rearming
	Activated by remote starter:	No effect
Doors [2]	This zone cancels rearming completely.	
Warning	No effect	

Applying brakes or activating Temporary Valet Mode cancels rearming.

PASSIVE REARMING

In passive rearming mode, opening a door triggers rearming cycle.

Alarm will be armed 30 seconds after checking that all protection zones are in normal condition.

This 30 second period is called "rearming cycle".

If a zone detects a violation during rearming cycle, countdown stops and restarts at 30 seconds when all zones are back in normal condition.

During rearming cycle, indicator light flashes rapidly.

After five seconds, system sends an audible confirmation (siren chirps once), indicating that system will arm after 25 seconds.

After this delay, alarm is armed and sends a second confirmation (siren chirps once and parking lights flash once) to indicate that system is armed.

If you wish to remain in vehicle without driving off, you can cancel rearming cycle by applying brakes.

[2] If vehicle is equipped with a factory security system and runtime expires during rearming cycle, factory security system is reactivated but not AstroStart security system because opening a door is simulated for factory system rearming.

When you exit the vehicle, cycle resumes and system arms automatically (see also "TEMPORARY VALET MODE").

If you disarm the system and do not open the door within 60 seconds, it rearms itself automatically.

The following table shows the effect that each zone has on the rearming cycle.

Protection zone	Effect on rearming cycle
Hood Doors Additional sensor Shock sensor	These four zones prolong rearming cycle as long as they remain in violation.
Ignition	Activated by ignition key: Cancels rearming Activated by remote starter: No effect
Warning	No effect

Applying brakes or ignition key in "ON" position cancels rearming (until a door is opened, which causes rearming cycle to restart from the beginning).

See also "TEMPORARY VALET MODE" and "DOME LIGHT DURATION".

You can **disarm** only with remote control by pressing button (see Table of Commands on page 3).

System is disarmed immediately and restarts rearming cycle from the beginning.

TO TERMINATE ALARM CONDITION

You can terminate alarm condition by pressing button, which also disarms system, or by pressing either of the or buttons, which terminates alarm condition without disarming system.

CONFIRMATION

When the alarm is armed, one chirp of the siren and/or flash of the parking lights means that all protection zones are in normal condition and system is ready.

Three chirps or flashes means that one or more zones are in violation (e.g. at least one door is opened).

Once the zone is corrected (e.g. door closed), the system sends another confirmation (one chirp or flash if all zones are in normal condition, three chirps or flashes if another zone is in violation).

If a zone is in violation when system is armed manually (using remote) and the cause of the violation is not corrected, the alarm will still arm but this zone will not be able to generate an alarm condition. See also "DOME LIGHT DURATION".

When you disarm the alarm, two chirps or flashes indicate that no one tried to break into or do anything to your vehicle, and four chirps or flashes indicate that an alarm condition occurred during your absence.

The following table summarizes this section.

CONFIRMATION	MEANING
1 chirp or flash	System armed, no zone in violation.
2 chirps or flashes	System disarmed, no violation detected.
3 chirps or flashes	System armed with zone in violation. Indicator light indicates which zone.
4 chirps or flashes	System disarmed with violation detected. Indicator light indicates cause of alarm condition.

INDICATOR LIGHT

Indicator light flashes a specific number of times (see table below) to indicate different alarm conditions when arming and disarming the system.

It can also act as a deterrent if installed in a place visible from outside the vehicle.

DURING ARMING Indicator flashes codes for zones in violation (e.g. at least one door is opened).

Only one code is shown at a time. If more than one zone is in violation during arming, code changes when zone shown is corrected (example: door closed).

DURING DISARMING Indicator flashes code for last zone that generated alarm condition.

Code is shown when you press button.

This code is repeated until you apply the brakes.

The following table shows the meaning of zone codes (number of flashes).

ZONE CODES

FLASHES	ZONE INDICATED
1	System is armed.
2	A door is/was open.
3	Hood is/was open.
4	Alarm condition is/was detected on shock sensor input.
5	Key is/was in ignition position (IGN).
6	Alarm condition is/was detected on additional sensor input Additional sensor monitors status of ……..
7	Loss of power (+12V battery supply was removed).

Indicator can show two other conditions:

CONSTANT DIM LIGHT	Indicates that alarm is permanently disarmed. See "VALET MODE" on page 11.
RAPID FLASHES	Indicates that system is in rearming cycle. See "PASSIVE REARMING" and "SEMI-PASSIVE REARMING" on page 8.

SECONDARY FUNCTIONS

ANTI-LOCK

When connected to ignition key cylinder, this function prevents system from locking the doors during automatic rearming if key is in the ignition.

It can also be connected to a switch to select automatic locking as ACTIVE or INACTIVE.

TEMPORARY VALET MODE (ALARM)

This mode is used to cancel automatic rearming for an indefinite period of time.

You will find this mode useful when fuelling up or working on your vehicle.

To activate Temporary Valet Mode, press button during rearming cycle (indicator light flashes rapidly).

When light stops flashing, it confirms that Temporary Valet Mode has been activated.
To cancel this mode, place ignition key in "RUN" position then remove it; passive rearming is reactivated when you open a door.

You can also arm the system using the remote, which cancels Temporary Valet Mode.

VALET MODE

This mode is used to deactivate alarm permanently when you take your vehicle in for servicing for example.

Valet switch activates Valet Mode or terminates alarm condition when your **remote control is not available** (lost, batteries dead, etc.).

This switch must be installed in a hidden place known only to regular users of the vehicle.

Ask your installer to tell you where it is.

TO ACTIVATE VALET MODE, place ignition key in "ON" position then press Valet switch (for about 3 seconds) until indicator light comes on at half-brightness.

TO DEACTIVATE VALET MODE, place ignition key in "ON" position then press Valet switch (for about 3 seconds) until indicator light goes out.

Notes:

If you perform both sequences one after the other, you need to pause for 3 seconds between the two sequences.

Valet Mode is automatically deactivated when key is turned to the "ON" position and/or engine is remote-started for the tenth time. This is to prevent Valet Mode from being left on for long periods of time.

GLOSSARY

SIREN

Siren has six different sounds, i.e., it chirps repeatedly and has six different melodies.

It chirps intermittently (short repeated chirps) during a pre-alarm and continuously during an alarm condition.

It can confirm arm and disarm commands with short chirps; see table in CONFIRMATION section.

This function is programmable as active or inactive during installation.

HORN

Horn beeps intermittently (short repeated beeps) during an alarm condition.

This function is optional and may require the installation of additional material.

Ask your installer for more details.

PARKING LIGHTS

Parking lights flash intermittently (repeated flashes) during a pre-alarm and alarm condition.

Parking lights also confirm that commands have been received.

See table in CONFIRMATION section.

VIOLATION

Violation means a situation that causes a protection zone to generate an alarm condition; example: a door was opened, etc.

DOME LIGHT DURATION

The system turns vehicle dome light on for 30 seconds upon unlocking command (not applicable in "semi-passive rearming" mode).

In "passive rearming" mode, system ignores the "Door" zone while dome light is on, which prolongs rearming cycle by 30 seconds.

On some vehicles, dome light may remain on after all doors have been closed.

If this option applies to your vehicle, rearming cycle is prolonged by the number of seconds during which dome light is kept on by vehicle's factory system.

Special condition

If during dome light duration, a "Lock" command is sent when a door is opened, system arms and ignores door violation; if door is still open 45 seconds after dome light duration ends, system recognizes door violation and changes to alarm condition.

LOCK/UNLOCK COMMANDS AND ALARM SYSTEM ARMING/DISARMING

If your vehicle is equipped with electric door locks, several functions can be operated by remote control. These features are optional and may require purchasing additional equipment. Consult your dealer for advice.

Arming and disarming the security system also controls Lock/Unlock functions.

Following systems can be controlled:

- Door locks.
- Trunk or hatchback release.
- Interior lights.

LOCK / ARM

Press the button, doors are locked and alarm system is armed, parking lights flash once and siren chirps once to confirm command has been received and that none of the protected zones are in violation.

Parking light confirmation is sent as many times as command is repeated so you are sure that system has received the command. Audible confirmation is also repeated (siren or horn depending on programming) if option "Confirmation on 2nd lock" is activated (during installation).

If a zone is in violation during arming, confirmation is different (3 flashes or chirps) to warn you. See table of alarm codes to know which zone is in violation.

UNLOCK / DISARM

Press the button, doors are unlocked and alarm is disarmed, parking lights flash and siren chirps twice to confirm command has been received and that no alarm condition was generated during your absence.

If there was a violation, confirmation is different (4 flashes or chirps) to warn you. See table of alarm codes to know which zone generated alarm condition.

The “Unlock“ function can be programmed and connected in such a way that the first Unlock command only unlocks the driver's door, while a following Unlock command unlocks the other door(s).

Dome light will turn on for 30 seconds every time Unlock command is sent (not applicable in semi-passive mode).

This 30 second duration is cancelled when Lock command or Trunk command is sent, brakes are applied or key is inserted in ignition and turned to "**ON**" position.

TRUNK RELEASE

Press button. Trunk is released and parking lights flash three times to confirm command has been received.

Trunk cannot be released if ignition key is in "**ON**" position or when alarm is armed. In this case, parking lights flash once to confirm that command has been received but trunk could not be released.

If you are not sure you have received confirmation, repeat command. System will repeat confirmation as often as you wish.

Remember to rearm alarm after trunk is closed ("Lock" command).

AUTOMATIC LOCK/UNLOCK

Programmable as **Active** or **Inactive** during installation.

This function locks the doors when ignition key is in "**ON**" position, engine is running and brakes are applied. Doors are unlocked when key is turned from "**ON**" to "**OFF**" or when Continuous Mode is activated.

If "Unlock" function is set to unlock only driver's door on the first command, the "Automatic Unlock" function will unlock driver's door only. If dome light is connected to system, it is activated when an automatic unlock occurs.

This function is : Active ☐ Inactive ☐.

OTHER COMMANDS

ANTITHEFT (CIRCUIT DISABLER)

Programmable as **Active** or **Inactive** during installation.

Your Remote Starter is equipped with an Antitheft system. This system consists of an output that controls a relay that disables all circuits required to operate your vehicle (optional connection).

"PASSIVE ARMING" TYPE ANTITHEFT

This type of Antitheft system arms automatically when ignition key is turned from "**ON**" to "**OFF**" and remains "**OFF**" for one minute. It can also be armed manually by sending a "Lock" command (unless ignition key is in "**ON**" position).

DISARMING

Antitheft system is disarmed for one minute when you send "Unlock" command.

If ignition key is not turned to "**ON**" position within one minute, system automatically rearms, thus preventing an intruder from starting your vehicle, even with the ignition key.

It can be connected so that horn sounds if an intruder tries to start your vehicle when it is in the active state.

"ACTIVE" TYPE ANTITHEFT

This type of Antitheft system arms by sending the "Lock" command (unless ignition key is in "**ON**" position) and disarms by sending the "Unlock" command.

VALET MODE (CIRCUIT DISABLER)

The circuit disabler function can be deactivated for the same reasons and in the same way as the Antitheft system. See "Valet mode" details on page 11.

CAR FINDER

Press and buttons simultaneously (lights: 3, horn: 7). This function sounds **horn** (short tune) and flashes **parking lights** to help you locate your vehicle in a large parking lot.

PANIC

Press button « » . This command activates all deterrents that are connected to the system, **parking lights**, **horn**, **siren** and **dome light** for 30 sec. ☐ or 60 sec. ☐ depending on programming made during installation.

Panic mode is used to attract attention if you are experiencing difficulties. This command will not be executed if engine is kept running by ignition key.

Use the stop command to abort panic mode or depress brake pedal.

UTILITY COMMANDS

Two additional commands control most of your vehicle's accessories, depending on which were connected during installation (headlight, defroster, etc.). For details, consult your technician.

COMMAND #1

To activate this function, press and buttons simultaneously (lights: 1).

The accessory associated with this command (_____) is then activated for 1 second ☐, 1 minute ☐ or 8 minutes ☐, depending on programming.

This duration can be cancelled by repeating command (lights: 1).

COMMAND #2

To activate this function, press and buttons simultaneously (lights: 1).

The accessory associated with this command (_____) is then activated for 1 second ☐, 1 minute ☐ or 8 minutes ☐, depending on programming.

This duration can be cancelled by repeating command (lights: 1).

START FAIL CODES

When a remote start attempt fails, it is possible to determine what caused the failure to start.

Press the and buttons simultaneously.

The number of times the parking lights flash corresponds to the start fail code.

The table below lists the various start fail codes.

Code	Failure to start details
1	Module has received a Stop command (remote or timer).
2	Brakes were applied during or after start sequence or module overload occurred.
3	Stopped by alarm.
4	Engine does not crank when starting sequence is initiated.
5	Start command ignored because hood is open.
7	Start command ignored because key is in ignition (in “Run” position).
8	Remote starter main switch is "OFF" or output overload.
9	Runtime has elapsed.
10	Remote starter attempted to start engine three times unsuccessfully.
11	Remote starter sensed engine was already running.
12	Engine is over-revving (RPM > 3000).
13	Engine not cranking fast enough during start sequence.

If any of these start fail codes persist, consult your dealer.

ALARM CONDITION CODES

Use this command to identify which zone is in violation during arming or which generated alarm condition.

Press and buttons simultaneously: parking lights will flash number of times corresponding to code for protection zone in violation.

If more than one zone is in violation, code for the zone with highest priority is shown (1 = highest priority).

See table of codes below.

Code	Protection Zone	Priority
1	System is armed.	7
2	A door is/was open.	5
3	Hood is/was open.	3
4	Alarm condition is/was detected on shock sensor input.	1
5	Key is/was in ignition position (IGN).	4
6	Alarm condition is/was detected on additional sensor input. Additional sensor monitors status of ……	2
7	Loss of power (+12V battery supply was removed).	6

SAFETY CHECKS

In order to maintain a high safety standard, proceed with the following checks every month.

HOOD SWITCH

- Remote start your vehicle.
- Open hood.

Engine should stop as soon as hood is opened.

If engine does not stop immediately, turn main switch to **OFF** position **and leave it off until situation is rectified.** Contact your service center.

GEARSHIFT CHECK

If key must be in ignition for gearshift to be moved out of **P**, your vehicle is safe as long as keys are kept away from children.

If, on the other hand, gearshift can be put in gear without key being in ignition, proceed with this simple check.

- Put gearshift in gear.
- Remain in the vehicle and be ready to apply brakes.
- Start vehicle with remote starter.
- Repeat these steps with gearshift in every position other than **Park** and **Neutral**.

If starter reacts within 90 seconds (which would not be safe), turn main switch to OFF position **and leave it off until situation is rectified**. Contact your service center.

- With gearshift in **P**, start vehicle with remote starter.
- Remain in vehicle and **be ready to apply brakes**.
- **Without applying brakes**, move gearshift out of P.

If, without applying brakes, engine does not stop immediately (which would not be safe), turn main switch to **OFF** position **and leave it off until situation is rectified.** Contact your service center.

REPLACING OR BOOSTING VEHICLE BATTERY

If you have to replace or boost your battery for any reason, turn main switch to **OFF** position **and leave it OFF until battery is replaced or fully charged.**

Reversing polarity when boosting your battery could permanently damage your remote starter.

Note: If alarm is armed when battery is disconnected, siren will sound when battery is reconnected if a zone is in violation.

To avoid this, put system in Valet Mode before disconnecting battery.