



AUTOMATIC TRANSMISSION MULTI-CHANNEL REMOTE STARTER SYSTEM

AS-1221 / AS-1222

User Guide

WARNING



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

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

INDUSTRY CANADA USER NOTICE:

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that required for successful communication.

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

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

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Introduction

This Module is a state-of-the-art remote car starter system. With many advanced function, this product will satisfy any one of the user's expectations from high-end commodity systems, without neglecting the standard features commonly offered by entry-level starters.

Please note:

Button **I** is for **START** (by default).

Button **II** is for **STOP** (by default).

Buttons **I & II** (together) is for the **TRUNK** release function.

The LED is NOT included in this model.

The valet button is optional.

Transmitter Part Number: AS-2402

Receiver Part Number: SH 433-110

Vehicle Presets

Heater and 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 and 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 the remote starter shuts down, resulting in a dead battery.

Remote-starting Your Vehicle

Remote-starting

Press the **I** button for approx. 1 second. The parking lights will come on, informing you that the unit has received your signal. Approx. 5 seconds later, the engine will start. The parking lights will remain on during the pre-programmed run time.

If the vehicle doesn't start the first time, the system will shut down, wait a few seconds, and try to start the engine again. It will try to start the engine 3 times before giving up.

Driving Off

Enter the vehicle and do the following:

- Turn the ignition key to the **IGNITION ON (RUN)** position.
- Press the brakes to disengage the remote starter unit.

You are now ready to drive off.

Note: Press button **I** to **DISARM** the module and to **UNLOCK** the doors (if button **I** is programmed as **LOCK** or **UNLOCK** button).

Caution: do **not** turn the key to the **CRANK** position with the engine running. This will cause the starter motor to re-engage, unless your vehicle is equipped with the Start Kill / Anti-Grind Feature (Optional).

Remote Starter Features

Idle Mode

This feature allows the user to engage the remote starter to take over the vehicle while it is already running with the key in the **IGNITION** switch. The vehicle will keep running for the pre-programmed run time, or until it is shut down by remote.

Caution: Do not leave children or pets unattended in a car running in Idle Mode.

To activate Idle Mode:

To enable Idle Mode, press and hold button **I** on your remote transmitter while the engine is running.

Note: When enabling Idle Mode, pressing button **I** will automatically unlock the doors (if button **I** is programmed as **LOCK** or **UNLOCK** button.)

The parking lights will come on. Remove the key, exit the vehicle and lock the doors (if desired). The engine will continue running and will turn itself off when the pre-programmed run time expires.

Valet Modes

Ignition Valet

The system can be placed in Valet Mode to disable the remote starting capabilities. If the vehicle needs to be serviced, or if you park it indoors, Valet Mode will prevent the engine from being accidentally started by remote control.

To ENTER Valet Mode

1. With the key in the Ignition switch, turn the key to the **ON (RUN/IGNITION)** and then **OFF** positions 5 times within 10 seconds.
2. The Parking Light will flash 3 times indicating the Module is now in Valet Mode. The LED will turn on solid

To EXIT Valet Mode

1. With the key in the Ignition switch, turn the key to the **ON (RUN/IGNITION)** and then **OFF** positions 5 times within 10 seconds.

2. The Parking Light will flash twice indicating the Module is now out of Valet Mode. The LED will turn OFF.

Valet Mode Using the Valet Button

(Available only if the plug-in Valet switch is installed)

To put the system into Valet Mode:

1. Turn the key to the IGNITION ON (RUN) position.
2. Press (for at least 1 second) and release the Valet Button. The parking lights will flash 3 times and then turn the key to IGNITION OFF position. The L.E.D. will come on.

To take the system out of Valet Mode:

1. Turn the key to the IGNITION ON (RUN) position.
2. Press (for at least 1 second) and release the Valet Button. The parking lights will flash twice and the L.E.D. will go out.

The Valet button can only be used if the vehicle keys are in the IGNITION ON (RUN) position.

Panic Mode

Note: Panic mode can only be activated if the horn has been adequately configured by your installer and if button **I** is programmed as LOCK or UNLOCK button.

In an emergency situation, you can activate panic mode using the **I** button. This will:

- shut down the engine,
- unlock the doors (with the **I** button)
- or lock the doors (with the **I** button),
- disarm the Starter Kill and
- activate the horn for 25 sec.

Note: See the description of the starter kill option later in this Guide.

To activate panic mode:

- Press and hold the **I**, button for approximately 3 sec. until the sound signal starts and the parking lights flash: this will unlock the doors before the sound signal starts.
- **Or** press and hold the **I**, button for approximately 3 seconds until the sound signal starts and the parking lights flash: this will lock the doors before the sound signal starts.

Panic Mode will automatically shut down after 25 sec.

Note: To stop panic mode before the end of its delay, press the **I** button until the sound signal stops.

Cold Weather Mode

When Cold Weather Mode is active, the engine starts every 2 hours and runs for 3 minutes (or for 20 minutes with Diesel engines); the routine goes on for a period of 24 hours.

To enter Cold Weather Mode:

- Press and hold button **II** until the parking lights flash 3 times.

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

- Open the hood.
- Start the engine using the remote control.
- Turn the ignition key to the IGNITION ON (RUN) position.
- Press and hold button **II** for 3 seconds (until the parking Lights flash once)
- Set the vehicle to Valet Mode.

Advanced Features: Installation-programmable options

The system was designed with flexibility and OEM integration in mind. With its programmable options, this unit can control nearly any electrical system in your vehicle.

Note: The programming of these features should be left to a professional. Changing any one of the settings may adversely affect the operation the Module.

Arming the Starter Kill

Note: Can only be activated if button **I** is programmed as **LOCK** or **UNLOCK** button.

If installed, the Starter Kill can be programmed to arm in Active Mode (will not arm automatically) or in Passive Mode (will arm automatically).

- To **disarm** the Starter Kill in Active or Passive Mode, press button **I** on the transmitter. The parking lights will flash twice. (If Remote Door Locks were installed, this will also unlock the doors.) In Passive Mode, the system will automatically rearm 1 or 3 minutes after the doors were unlocked.
- To **arm** the Starter Kill in Active or Passive Mode, press and hold button **I** on the transmitter. The parking lights will flash once. (If Remote Door Locks were installed, this will also lock the doors). In Passive Mode, the system will automatically arm 1 or 3 minutes after the engine is shut down.

Remote Door Locks

Note: Can only be activated if button **I** is programmed as **LOCK** or **UNLOCK** button.

If your system was installed with the Remote Door Locks option, you will have the convenience of remote keyless entry.

To **LOCK** your doors and **ARM** the Starter Kill:

1. Press and hold button **I** for approx. 1 sec.
2. The parking lights will flash once and the L.E.D. will flash slowly to confirm that the doors have been locked and that the Starter Kill feature is enabled if it was installed.

To **UNLOCK** your doors and **DISARM** the Starter Kill:

1. Press and hold button **I** for approx. 1 sec.
2. The parking lights will flash twice and the L.E.D. will go out to confirm that the doors have been unlocked and that the Starter Kill feature is disarmed if it was installed.

Note: If installed and configured in Passive Mode at installation, the Starter Kill feature will rearm automatically 60 seconds after the doors are unlocked. For that reason, you may have to unlock your doors a second time if some time elapses before you actually start the engine.

Ignition-controlled Door Locks Option

This is an added security feature. If your system was installed with the Ignition-controlled Door Locks option, the doors will automatically be locked as soon as the user presses the brakes while the ignition key is in the **IGNITION ON (RUN)** position.

When the key is turned to the Ignition **OFF** position, the doors will automatically be unlocked. (Only available if remote Door Lock Option is installed)

Secure Lock Option

Before it can remote-start your vehicle, the module must first disarm the factory security system.

The Secure Lock feature may be required on certain vehicle models with factory security systems that automatically unlock the doors when the security system is disarmed.

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

Once the engine run cycle ends, Secure Lock will rearm your factory security system.

Remote Trunk Release Option

If your system was installed with the remote trunk release, you can open your trunk by pressing buttons **I & II** simultaneously on the remote transmitter. Vehicles must have an electric trunk switch or a remote trunk button on the vehicle's OEM transmitter for this option to be compatible with the module.

Starter Kill / Anti-Grind

This added security feature will immobilize your vehicle when the system is armed (LOCKED). If your Module was installed with the Starter Kill option, you will not be able to start your vehicle with the key unless the system has been disarmed first (UNLOCKED).

The Starter Kill option can be programmed to be **ACTIVE** (will not arm automatically) or **PASSIVE** (will arm automatically). In **PASSIVE** Mode, your installer can program it to arm automatically in 1 minute. Note that in Mode 1- Function 3- Option 3, pressing button **I** will always give an Unlock pulse during 1minute passive arming timeout.

Once the vehicle has been remote started, the Anti-Grind feature prevents the starter motor from re-engaging when the ignition key is accidentally turned to the **CRANK** position.

Note: Automobile insurance companies sometimes offer a rebate for vehicles with a passive starter kill device.

Engine Run Time

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

Troubleshooting Poor Transmitting Range Issues

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.
- Windows and windshields tinted with lead or metallic tints will decrease the operating range.

LIMITED LIFETIME WARRANTY

REMOTE STARTERS:

As the manufacturer, 160031 Canada Inc. ("Autostart") warrants to the original consumer purchaser only (**non-transferable**) that the remote starter module (control box) shall be free from defects in materials and workmanship **for as long as the original consumer purchaser continuously owns the vehicle in which the remote starter was originally installed**, as specified below:

- 1) For the first year after the date of manufacture, as specified by the serial number on the module, Autostart will replace the remote starter module free of charge with a new remote starter module.
- 2) For the second year after the date of manufacture, as specified by the serial number on the module, Autostart will replace the remote starter module free of charge with a repaired or refurbished remote starter module.
- 3) For the third year and any consecutive year after the date of manufacture, as specified by the serial number on the module, Autostart will provide to the original consumer purchaser a repaired or refurbished remote starter module, for a repair charge of \$35.00 plus applicable taxes.

In all cases, the consumer must return the remote starter module to the point of purchase, and must provide a copy of the proof of purchase to said retailer. A remote starter module will be returned to the retailer for the consumer to claim within a 4 (four)-week period. For case (3), a cheque in the amount of \$35.00 plus applicable taxes must accompany the remote starter module, or the retailer may refuse the return.

ACCESSORIES:

Autostart warrants to the original consumer purchaser only (**non-transferable**) that it will replace any Autostart accessory part for a one-year period from date of purchase. Accessories will only be replaced if proven defective in material or workmanship, and if, when the accessory is returned to the point of purchase, the retailer is provided with a copy of the proof of purchase. The accessory will be sent to the retailer for the consumer to claim within a 4 (four)-week period.

THE WARRANTY IS VOID IF:

- 1) The product has been damaged, altered in any way or tampered with, without the explicit written consent of an Autostart technician. For remote starter modules, this includes the opening or removal of the plastic covering of the module, or the removal or alteration of the barcode label on the plastic covering of the module.
- 2) The product is damaged due to accident, fire, flood, shipping and handling, misuse, neglect, or other conditions beyond the control of Autostart.
- 3) The product has been installed or repaired by anyone other than a certified technician.
- 4) The product has been improperly installed or used.

THE WARRANTY DOES NOT COVER:

- 1) Batteries.
- 2) Scratched or worn transmitter cases.
- 3) Installation and/or removal charges for all remote starter modules and accessories.
- 4) Shipping and handling charges incurred for product exchange or replacement.
- 5) Any material damages other than to the product itself.
- 6) Harnessing, L.E.D. lights, switches, inverters, relays, etc.

THIS LIMITED LIFETIME WARRANTY SHALL CONSTITUTE THE SOLE LIABILITY OF AUTOSTART FOR OUR PRODUCTS, AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. THERE ARE NO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. NO PERSON, FIRM OR CORPORATION IS AUTHORIZED TO ASSUME FOR AUTOSTART ANY OTHER LIABILITY WITH RESPECT TO THE SALE OR USE OF OUR PRODUCTS. AUTOSTART'S LIABILITY, WHETHER BASED ON CONTRACT, TORT, WARRANTY, STRICT LIABILITY, OR ANY OTHER THEORY, SHALL NOT EXCEED THE PRICE OF THE INDIVIDUAL UNIT WHOSE DEFECT FOR DAMAGE IS THE BASIS OF THE CLAIM. UNDER NO CIRCUMSTANCE WILL AUTOSTART, ITS DISTRIBUTORS OR THEIR AGENTS BEAR ANY LIABILITY WHATSOEVER FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

The parties hereto elect that any dispute regarding the present document be submitted to the appropriate Court located in the Province of Quebec, District of Montreal. The parties hereto agree that this document is governed by and interpreted in accordance with the law of Quebec. If the purchaser is located in a province of Canada other than Quebec, all matters dealing with the warranty of quality will be governed by and interpreted in accordance with the law of Ontario. If the purchaser is located outside Canada, all matters dealing with the warranty of quality will be governed by and interpreted in accordance with the United Nations Convention on Contracts for the International Sale of Goods (the "Vienna Convention").