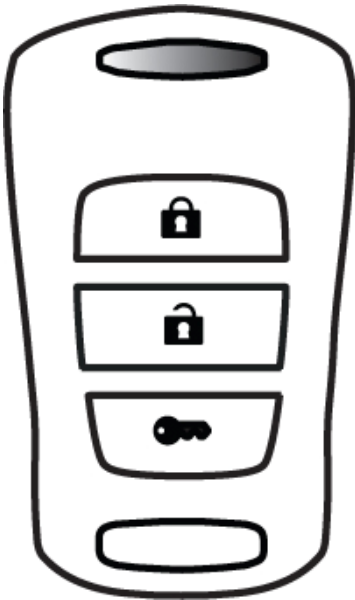


2-WAY REMOTE CONTROL
RF KIT

AstroStart®

USER MANUAL



MODEL AF-RFK623

2-WAY 3-button remote

(FRANÇAIS AU VERSO)

PATENT N^{OS}
CAN 1.130.426
USA 4.345.554 - 5.614.883
- 5.617.819 - 5.673.017
AND OTHER PATENTS PENDING

GOVERNMENT REGULATIONS



This device complies with the Industry Canada Radio Standards Specification RSS 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 to an outlet on a circuit different from the one the receiver is connected to.
- Consult the dealer or an experienced radio / TV technician for help.

Warning:

Changes or modifications not expressly approved by Directed Electronics Canada Inc. could void the user's authority to operate the equipment.



ELECTRONICS CANADA, INC.

Directed Electronics Canada Inc.

2750, Alphonse-Gariepy ave.

Lachine, QC, H8T 3M2,

Canada

WWW.ASTROSTART.COM

THANK YOU FOR CHOOSING ASTROSTART'S RF REMOTE KIT!
We take this opportunity to remind you to properly defrost your windows
and remove all the snow on your vehicle before driving on public roads.

Rolling igloos are extremely dangerous!

We wish you an excellent journey!

USER GUIDE FOR AF-RFK623 REMOTE SYSTEM.

Models AF-RFK5225 & AF-RFK623 are remote controls that offer basic start functions including all the features required to achieve safe remote starting. They also offer central locking features that allow you to control the door locks as well as releasing the trunk. Some functionalities and behaviours may not be available on certain vehicles.

Table of Contents

GOVERNMENT REGULATIONS	2
SAFETY PRECAUTIONS	4
PREPARING THE SYSTEM FOR REMOTE STARTING (FOR REMOTE-START CAPABLE SYSTEMS ONLY)	4
THE 2-WAY 3-BUTTON REMOTE CONTROL	5
USING YOUR REMOTE CONTROL	5
COMMANDS	5
OTHER COMMANDS	6
TABLE OF COMMANDS	6
CONFIRMATION	6
THE START / STOP COMMAND (FOR REMOTE-START CAPABLE SYSTEMS ONLY)	7
SAFETY CHECKS	7
HOOD SWITCH	7
GEARSHIFT CHECK APPLICABLE TO AUTOMATIC TRANSMISSION VEHICLES	7
GLOSSARY	8
WARRANTY	9

SAFETY PRECAUTIONS

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

GENERAL RULES

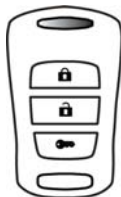
- Never perform a remote start when a person or animal is inside the vehicle.
- Do not allow any person or animal to remain inside the vehicle when the engine is running remotely (continuous mode).
- Immediately report any malfunction to the AstroStart dealer that performed the installation.
- Under no circumstance can this product or its use be modified.
- Keep remote controls away from children.
- Have the engine tuned regularly to ensure optimal performance of your remote system.
- Make sure that the windshield wipers and the headlights are turned off before leaving vehicle.
- Regularly check safety features that stop engine (see SAFETY CHECKS on page 7).
- Make sure you comply with all local regulations, which may prohibit leaving your engine running when the vehicle is unattended in a public place.
- Always advise service personnel that your vehicle is equipped with a remote system.
- We strongly recommend that you have your remote system checked annually. Contact a dealer in your area.
- All users of the vehicle should be aware of the safety precautions and operation procedures.
- Make sure that the warning sticker is present on the driver's window.

PREPARING THE SYSTEM FOR REMOTE STARTING *(FOR REMOTE-START CAPABLE SYSTEMS ONLY)*

- When you exit the vehicle, you need to prepare the remote starter for its next use.
- Make sure that the automatic-transmission lever is in the "P" (Park) position.
- 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 to avoid strain on the mechanism should a start command be sent to the vehicle when, for example, snow prevents the wipers from moving.
- Make sure that the headlights are turned OFF.
- Be sure not to leave your keys inside the vehicle. Certain rearming functions can cause the doors to lock automatically.

THE 2-WAY 3-BUTTON REMOTE CONTROL

623 Front view



LED

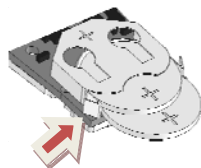
Lock button

Unlock button

Remote Start button

Your remote control works off two small 3-Volt lithium batteries (CR2016).

When replacing the batteries, make sure to place the new batteries in the upright position (see illustration). Make sure to put the small isolating strip back.



See your dealer for replacement batteries or additional remote controls.

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

With its electronic CODE LEARNING feature, up to four remote controls can be programmed for your vehicle.

USING YOUR REMOTE CONTROL

To ensure that commands are transmitted properly, press the desired button for 2 seconds. A command will not be executed if you do not press the button long enough.

The green indicator light will flash while transmitting the command.

The remote included in the kit may differ from the one illustrated.




COMMANDS


LOCK/UNLOCK COMMANDS

If your vehicle is equipped with electric door locks, several functions can be operated by remote control.

LOCK / ARM



Press the  button. Doors are locked and parking lights flash to confirm command has been received.

UNLOCK / DISARM

Press the  button. Doors are unlocked and parking lights flash to confirm command has been received.



If OEM-available, the "Unlock" function can be programmed 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).


TRUNK RELEASE

When OEM available, press the  and  buttons simultaneously: the trunk is released and the parking lights flash 3 times to confirm that the command has been executed.

PANIC

Panic mode is used to attract attention in a situation of emergency.



Press and hold the  or  button for at least 4 seconds to trigger the Panic mode of your vehicle. Refer to your vehicle's owner's manual for your available options.

Panic mode can be cancelled by pressing .

OTHER COMMANDS

UTILITY COMMAND











This command allows you to control one of the vehicle's accessories depending on its installed features (tailgate, defroster, etc.).

To activate this function, simultaneously press the  and  buttons.

The Utility command activates: _____

TABLE OF COMMANDS

Check all that apply

	Commands	Buttons
<input type="checkbox"/>	Stop (button held \geq 4 sec.)	
<input type="checkbox"/>	Start	
<input type="checkbox"/>	Panic (button held \geq 4 sec.)	 or 
<input type="checkbox"/>	Trunk	 
<input type="checkbox"/>	Unlock	
<input type="checkbox"/>	Lock	
<input type="checkbox"/>	Utility	 

CONFIRMATION


In all cases, the vehicle will confirm that a command has been received properly by flashing the parking lights.

The remote transmits a visual confirmation by means of an LED:

Immediately following a transmission, the LED will flash (single blink) green if the command is accepted by the system or red if the command is not accepted. In the case of a start command, the LED provides a first confirmation to acknowledge the command reception by the system then, a second confirmation is sent to indicate if whether the starting was successful or not.

THE START / STOP COMMAND (FOR REMOTE-START CAPABLE SYSTEMS ONLY)

START

To start the engine, press the  button.

The system automatically adjusts ignition duration for your type of vehicle; parking lights stay ON all the time engine is running.


UPON ENTERING YOUR VEHICLE...



DO NOT TURN IGNITION KEY TO START POSITION

- To avoid turning the engine off when taking place behind the steering wheel, do not apply the brakes until you have placed the key in the ignition and turned it to the RUN position.
- Drive off as usual.

STOP

When engine is running remotely, you can stop it by pressing the  button for more than 4 seconds.

SAFETY CHECKS

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

HOOD SWITCH

- Remote start your vehicle.
- Open the hood.

The engine should stop as soon as the hood is opened.

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

GEARSHIFT CHECK APPLICABLE TO AUTOMATIC TRANSMISSION VEHICLES

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

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

- Make sure that the parking brake is applied.
- Put the gearshift in gear (D).
- Remain in the vehicle and be ready to apply the brakes.
- Start the vehicle with the remote starter.
- Repeat these steps with the gearshift in every position other than Park and Neutral.

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

- Make sure that the parking brake is applied.
- With the gearshift in "P" (Park), start the vehicle with the remote starter.
- Remain in the vehicle and be ready to apply the brakes.

- Without applying the brakes, move the gearshift out of “P”.

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

GLOSSARY

DOMES LIGHT DURATION

The system may turn the vehicle dome light on for 30 seconds upon the unlocking command or when the engine is stopped by the ignition key (depends on vehicle).

TWO (2) YEARS WARRANTY ON THE RECEIVER AND THE TRANSMITTERS

ASTROSTART® RECEIVER & TRANSMITTERS -- (COMPONENT)

Directed Electronics Canada, Inc. warrants to the original end-user purchaser that any **AstroStart** Receiver or Transmitter (Component) part provided contemporaneously with the main Product (Module) shall be free of defects in materials and/or workmanship for a period of two (2) years from the date of purchase, provided the original end-user purchaser owns the vehicle that the main Product (Module) the Component was provided for, remains continually installed in the vehicle. In accordance with the terms of this warranty, Directed Electronics Canada, Inc., at its expense, shall repair or replace (subject to exceptions stipulated therein-after) the Components which are proven defective.

WARRANTY LIMITATIONS

- The warranty period begins on the date the Module, Component or Accessory was purchased. In the event the date of purchase cannot be verified by the purchase invoice, the manufacturer's date indicated on the Product, Component or Accessory covered by this warranty shall be the date the warranty period begins.
- Installation or service of any Module, Accessory or Component covered by any of the Directed Electronics Canada, Inc. warranties, must be performed by an authorized Directed Electronics Canada, Inc. technician.

WARRANTY IS VOID IF

- The manufacturing date sticker is removed or damaged.
- The Product (i) is defective or has been damaged due to accident, neglect, fire, misuse, flood, lightning, shipping and handling, or any other condition beyond the control of Directed Electronics Canada, Inc., (ii) has been altered in any way, (iii) has been installed or repaired by anyone other than an authorized technician, or (iv) has been installed or used in an inappropriate manner.

WARRANTY DOES NOT COVER

- Any damage to the unit caused by the removal, installation or maintenance of the Product, Accessory or Component, any labour cost for the removal, re-installation or maintenance of the Product, Accessory or Component, shipment of the defective Product, Accessory or Component to Directed Electronics Canada, Inc., return of the repaired or replaced Product, Accessory or Component.
- Wires, cables or switches.
- Batteries.
- Remote transmitter cases or the rubber button membrane from wear or damaged in use.

OWNER'S RESPONSIBILITIES FOR ALL WARRANTY RETURNS

For all problems, the customer is asked to present themselves to an authorized Directed Electronics Canada, Inc. dealer with the following

- **A clear copy of the sales receipt, of the Product, Accessory or Component showing all the following:**
 - Date of purchase
 - Customer's full name and address
 - The authorized dealer's company name and address.
 - The type of product installed.
 - The year, make, model and color of the vehicle.
 - The vehicle license number and/or the vehicle identification number.

WARRANTY TEXT:

ASTROSTART SECURITY SYSTEMS ARE DETERRENTS AGAINST POSSIBLE THEFT. DIRECTED ELECTRONICS CANADA, INC. IS NOT OFFERING A GUARANTEE OR INSURANCE AGAINST VANDALISM, DAMAGE OR THEFT OF THE VEHICLE, ITS PARTS OR CONTENTS; AND HEREBY EXPRESSLY DISCLAIMS ANY LIABILITY WHATSOEVER, INCLUDING WITHOUT LIMITATION, LIABILITY OF THEFT, DAMAGE AND/OR VANDALISM. DIRECTED ELECTRONICS CANADA, INC. DOES NOT AUTHORIZE ANY PERSON TO CREATE FOR IT ANY OTHER OBLIGATION OR LIABILITY IN CONNECTION WITH THIS SECURITY SYSTEM.

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, WHETHER ORAL, WRITTEN, EXPRESS OR IMPLIED. TO THE MAXIMUM EXTENT ALLOWED BY LAW, ALL WARRANTIES, INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF NON-INFRINGEMENT OF INTELLECTUAL PROPERTY, ARE EXPRESSLY EXCLUDED, AND DIRECTED ELECTRONICS CANADA, INC. NEITHER ASSUMES NOR AUTHORIZES ANY PERSON OR ENTITY TO ASSUME FOR IT ANY DUTY, OBLIGATION OR LIABILITY IN CONNECTION WITH ITS PRODUCTS. DIRECTED ELECTRONICS CANADA, INC. DISCLAIMS AND HAS ABSOLUTELY NO LIABILITY FOR ANY AND ALL ACTS OF THIRD PARTIES INCLUDING ITS AUTHORIZED DEALERS OR INSTALLERS. DIRECTED ELECTRONICS CANADA, INC.'S WARRANTY OBLIGATIONS AND PURCHASER'S REMEDIES HEREUNDER ARE SOLELY AND EXCLUSIVELY AS STATED HEREIN.

THIS WARRANTY DOES NOT COVER ANY LABOUR COSTS FOR MAINTENANCE, REMOVAL OR REINSTALLATION OF THE UNIT OR ANY CONSEQUENTIAL DAMAGES OF ANY KIND IN THIS RESPECT. IN THE EVENT OF A CLAIM OR A DISPUTE INVOLVING DIRECTED ELECTRONICS CANADA, INC. OR ITS SUBSIDIARY; THE PROPER VENUE SHALL BE IN THE PROVINCE OF QUEBEC. QUEBEC PROVINCIAL LAWS AND APPLICABLE CANADIAN FEDERAL LAWS SHALL APPLY AND GOVERN THE DISPUTE. THE MAXIMUM RECOVERY UNDER ANY CLAIM AGAINST DIRECTED ELECTRONICS CANADA, INC. SHALL BE STRICTLY LIMITED TO THE AUTHORIZED DIRECTED ELECTRONICS CANADA, INC. DEALER'S PURCHASE PRICE OF THE UNIT. DIRECTED ELECTRONICS CANADA, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO, ANY CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, DAMAGES FOR THE LOSS OF TIME, LOSS OF EARNINGS, COMMERCIAL LOSS, LOSS OF ECONOMIC OPPORTUNITY AND THE LIKE. THE WARRANTY FROM DIRECTED ELECTRONICS CANADA, INC. SOLELY AND EXCLUSIVELY APPLIES TO THE PRODUCT ITSELF. A CLAIM SETTLEMENT DOES NOT CONSTITUTE AN ACKNOWLEDGEMENT OF LIABILITY FROM DIRECTED ELECTRONICS CANADA, INC. OR ANY OF ITS AUTHORIZED DEALERS OR INSTALLERS.

Some states or provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. Similar exclusions or limitations, including those as to non-assignment, may be applicable in some Canadian provinces. This warranty gives you specific legal rights and you may also have other rights which vary from state to state or province to province. This warranty contains the entire agreement relating to warranty and supersedes all previous and contemporaneous representations or understandings, whether written, implied or oral.