

**2-WAY / 1-WAY REMOTE
CONTROL RF KIT**

AstroStart®

USER MANUAL



MODEL AF-RFK722

2-WAY 1-button remote



MODEL AF-RFK712

1-WAY 1-button remote

(FRANÇAIS AU VERSO)

DIRECTED®

PATENT N^{OS}
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AND OTHER PATENTS PENDING

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GOVERNMENT REGULATIONS

This device complies with Part 15 of 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 undesirable 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 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.

To satisfy FCC RF exposure compliance requirements, this device should be used in hand-held, hand operated configurations only. The device and its antenna must maintain a separation distance of 20 cm or more from the person's body, except for the hand and wrists, to satisfy RF exposure compliance. This device is designed to be used in a person's hands and its operating configurations do not support normal transmissions while it is carried in pockets or holsters next to a person's body.

Canada Statements

This device complies with Industry Canada licence-exempt RSS standard(s). 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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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-RFK712-722 REMOTE SYSTEM.

Models AF-RFK712 & AF-RFK722 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.**

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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 1-WAY / 2-WAY 1-BUTTON REMOTE CONTROL

721-TX



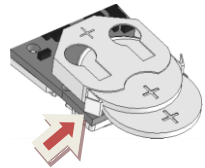
711-TX



Unlock button
Remote Start/Stop

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

721-TX: the remote control determines the commands to be transmitted depending on the amount of time the button is pressed. Refer to the table below.

Indicator light will flash (orange for 721-TX) while transmitting the command.

Remote included in kit may differ from the one illustrated.



COMMANDS

AF-RFK712 (1-way remote)				
COMMAND	Engine status	Step	Remote LED confirmation	Remote sound confirmation
Unlock	ON	Press and hold for 2 seconds	— — — — —	N/A
Start	OFF	Press and hold for 2 seconds	— — — — —	N/A
Stop	ON	Press and hold for 5 seconds	— — — — —	N/A


AF-RFK722 (2-way remote)

COMMAND	Engine status	Step	Remote sound confirmation
Unlock	ON	Press and hold until the remote beep once	Start melody
Start	OFF	Press and hold until the remote beep once	Start melody
Stop	ON	Press and hold until the remote beep twice	Shutdown melody

Note: UNLOCK command is only available if the engine is running under a remote start.

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

START

To start the engine, press the  button. Refer to COMMAND section in this guide for more details.


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. Refer to COMMAND section in this guide for more details.

SAFETY CHECKS

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

HOOD SWITCH

Do the following test if your vehicle is equipped with a hood pin safety switch:

- Remote start your vehicle.
- Open the hood.

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

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

DOMELIGHT 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 thereafter) 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, reinstallation 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.

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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.