# AS-RFK2300

# User Guide

| | |
|---|---|
| ⚠️ | Available functionalities depend on vehicle. Consult your dealer for more information. |

Designed & engineered in Canada

# DIRECTED

**Note: Some functionalities and behaviours may not be available on certain vehicles. See dealer for available options.**

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# Government Regulations

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.

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 instructions, 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 reception, 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.

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 interferences to services authorized by IC. In addition, the user of this device must accept any radio interface that may be received, even if this interference could affect the operation of the device.

Warning! Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

# Using the Remote Control

Your remote system is equipped with a 5-button multi-channel remote control. The functions of the transmitter are as follows:

| | | |
|---|---|---|
| 🔒 | **LOCK:** Locks the doors and arms the STARTER KILL (if installed). | |
| 🔓 | **UNLOCK:** Unlocks the doors and disarms the STARTER KILL (if installed). Activates the **AUX 1** output if Priority Door Access is configured. | |
| 🔳 | **TRUNK:** Opens the **TRUNK** or activates the **AUX 3** output. **Note**: Trunk option must be installed. | |
| ⚡ | **START/STOP:** Remote starts or stops the engine. Gets the system into Cold Weather Mode by pressing the **AUX** button, then pressing and holding the **START/STOP** button for 3 seconds. **Note**: Icon may vary. | **(Image as reference only)** |
| ⩘AS (AUX) | **AUX:** This button serves as a second function button. This button allows assigning different functions to any of the other four buttons. | |

**N.B.:** Pressing ⩘AS then the **LOCK** button will activate the **AUX 1** output.

Pressing ⩘AS then the **UNLOCK** button will activate the **AUX 2** output.

Model: ASRF1501
FCC: EZSNAH1501
IC: 1513A-NAH1501

Product numbers:
ASRF-1501
GSRF-1501
ASRF-1503
GSRF-1503

# Vehicle Presets (only with remote starter)

## Heater

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, should not be left on **HIGH**. It is recommended to leave the settings on **LOW** or **MEDIUM** instead.

## Windshield Wipers, Radio & Headlights

Certain vehicles require the radio and / or windshield wipers and / or headlights circuits to become energized while running under remote start. When leaving the vehicle you must ensure that the windshield wipers and headlights switches are **OFF**. Leaving the headlights switch **ON** in certain types of vehicles could cause them to remain **ON** even after remote starter shutdown, resulting in a dead battery.

# Remote-Starting your Vehicle (only with remote starter)

## Remote-Starting

Press the ⚡ button for approximately 1 second. The remote will beep once to inform you that the vehicle has received your signal. Approximately 5 seconds later, the engine will start. The remote will confirm the remote starter's activation by beeping 3 times.

If your vehicle does not start at the first attempt, the system will shut down, wait a few seconds and try to start the engine again.

## Driving Off

With the vehicle running under remote control, press the 🔓 button to disarm and unlock the doors. Enter the vehicle and do the following:

- Turn the ignition key to the **IGNITION ON (RUN)** position. (**Do not turn the key** to the **CRANK** position while the engine is running.)
- Press the brake pedal to disengage the remote starter unit.

You are now ready to drive off.

# Remote System Features

## Remote Door Locks

**To LOCK your doors:**

1.  Press and hold the 🔒 button for approx. 1 sec.
2.  The remote will beep once to confirm locking of the doors and, if OEM available, arming the alarm.

**To UNLOCK your doors:**

1.  Press and hold the 🔓 button for approx. 1 sec.
2.  The remote will beep twice to confirm unlocking of the doors and, if OEM available, disarming the alarm.

## Remote Trunk Release

If your vehicle has the Remote Trunk Release option, you can open the trunk by pressing the 🔳 button until the remote beeps once.

## Idle Mode (only with remote starter)

**Convenience feature (compatible bypass module only):** Idle Mode allows you to keep the engine running and the doors locked while you stop, for example, at a convenience store or for a short delivery.

This feature allows you to let the remote starter take over control of the vehicle (i.e. no Key in the Ignition Switch) while the engine is running.

**Proceed as follows to set the system to Idle Mode:**

1. With the engine running, make sure to release the brake pedal and press the ⚡ button on the transmitter until the parking lights come **ON**.
2. Remove the ignition key from the ignition switch.
   **The engine will continue running.**
3. Exit the vehicle and close all doors, hood and trunk.
4. Press the 🔒 button to lock the doors and to arm the OEM style alarm if available.

## Panic Mode

In an emergency situation, you can activate panic mode by pressing and holding the ⧦AS button for more than 3 seconds, until the horn starts honking. If the vehicle is running remotely, the engine will shutdown automatically before setting off the horn. You can stop the horn by pressing:

🔒 (This will unlock your doors and deactivate panic mode).

**Note: Panic Mode will automatically shut down after 30 sec.**

# Feature Confirmation Chart

| Feature | LED #1 | LED #2 | LED #3 | LED #4 | Beep(s) |
|---------|--------|--------|--------|--------|---------|
| Lock | 3 flashes | X | X | X | 1 |
| Unlock | X | 3 flashes | X | X | 2 |
| Trunk | X | X | 3 flashes | X | 1 |
| Start | X | X | X | 3 flashes | 1 |
| Running | X | X | X | 3 flashes | 3 |
| Stop | X | X | X | 3 flashes | 2 |

## AUX 1 & AUX 2

**Note: These Auxiliary outputs can be used for many different applications**

**Sliding door(s):**

These commands allow you to control most of the vehicle's accessories depending on what was connected during the installation (headlights, defroster, sliding door, etc.). For more information, check with your technician.

# Vehicle Status Request

The status request feature allows the user to see the status of the vehicle —i.e.: if the doors are locked or unlocked, etc. The following charts indicate the confirmation sequences.

To retrieve the vehicle status:

Press and release the ⧦AS button then press and release the 🔧 button (there will be a beep). The transmitter will then flash the sequence of LED's depending if the vehicle's doors are locked or unlocked.

## Status Request When the Engine IS NOT Running

| STATUS | SEQUENCE | LED #1 | LED #2 | LED #3 | LED #4 | Beep(s) |
|--------|----------|--------|--------|--------|--------|---------|
| Lock | | 3 flashes | X | X | X | 1 |
| Unlock | | X | 3 flashes | X | X | 2 |

Status Request When the Engine is Running

**When the vehicle doors are locked:**
LED # 1 will flash 3 times to denote that the vehicle's doors are locked.
**When the vehicle doors are unlocked:**
LED # 2 will flash 3 times to denote that the vehicle's doors are unlocked.

| RUN TIME | Beep(s) | LED #1 | LED #2 | LED #3 | LED #4 |
|---|---|---|---|---|---|
| If there is more than 3/4 of run time cycle | 3 | ON for 1 sec | ON for 1 sec | ON for 1 sec | ON for 1 sec |
| If there is more than half of run time cycle | 3 | ON for 1 sec | ON for 1 sec | ON for 1 sec | X |
| If there is more than 1/4 of run time cycle | 3 | ON for 1 sec | ON for 1 sec | X | X |
| If there is less than 1/4 of run time cycle | 3 | ON for 1 sec | X | X | X |

# Troubleshooting Poor Transmission Range

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 vehicle itself.
- The shape of the vehicle can affect range as well (vans in general have less 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.
- The operating range will be somewhat lower on vehicles equipped with an aftermarket or factory alarm.

# Abridged Command Table

Note: Some functionalities and behaviours may not be available on certain vehicles. See dealer for available options.

| | Command | Sequence |
|---|---|---|
| ❑ | Lock | 🔒 |
| ❑ | Unlock | 🔓 |
| ❑ | Trunk | 🗝 |
| ❑ | Start | ⚡ |
| ❑ | Stop | ⚡ |
| ❑ | AUX 1 | *AS* then 🔒 |
| ❑ | AUX 2 | *AS* then 🔓 |
| ❑ | Panic Mode | Hold 🔒 <br>(🔓 to cancel) |
| ❑ | Idle Mode | When engine is running through ignition :<br>I. *AS*<br>II. Remove the key<br>III. Close all doors<br>IV. 🔒 |
| ❑ | Arming OEM alarm | (see dealer) 🔒 |
| ❑ | Disarming OEM alarm | (see dealer) 🔓 |
| ❑ | Priority door access | (see dealer) 🔓 |
| ❑ | Unlocking all doors | (see dealer) 🔓 x2 |
| ❑ | Status request | *AS* then 🗝 |