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# User Manual

Applicable to the following remote(s)

**AR700R**

**FCC ID : VA5JR260A433**

This device complies with Part 15 of the FCC rules. Operation is subject to the following conditions;

- (1) This device may not cause harmful interference.
- (2) This device may accept any interference received, including interference that may cause undesired operation.

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

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## Introduction

Thank you for purchasing a Firstech AR700R system for your vehicle. In order to truly enjoy the benefits of this system, we recommend that you Read this entire manual. Please note that this manual applies to the AR700R 4 Button Remote. The AR700R can be used with the basic alarm, starter, or alarm and starter systems. There may also be features listed in this manual that require additional installation or programming before they can become active. If you have any questions, please contact your original place of purchase. For further information you may also contact our customer support center by calling 888-820-3690.

## Kit(s) Contents

- 2 X AR700R Remote
- Control Module
- 1 X ANT-AM Antenna
- 1 X Wiring Harness Kit

## Warranty Coverage



**Caution:** The Manufacturer's warranty will be voided if this product is installed by anyone other than an authorized Firstech dealer. For complete warranty details visit [www.compustar.com/warranty](http://www.compustar.com/warranty) or the last page of this manual.

Warranty registration can be completed online by visiting [www.compustar.com/warranty](http://www.compustar.com/warranty). Please complete the registration form within 10 days of purchase. We no longer include a mail-in warranty registration card with each unit - registration must be done online. To verify that an authorized dealer installed your system, we highly recommend that you keep a copy of the original proof of purchase, such as the dealer invoice in a safe place.

## Remote Reference

**AR700R** Applicable to the Following control modules.

- CM-600
- CM-600AS
- CM-1300

## Quick Reference

### Valet Mode

When servicing or loaning your vehicle to others, your remote start system should be placed in Valet mode. Valet mode prevents the system from remote starting and disables all alarm functions.

**IMPORTANT:** While in Valet mode the remote start will not activate.

With the CS600-A the alarm triggers will not function however the doors will still function.

**The system can be put into valet one of two ways:**



1. Turn the vehicle's key to the ignition "on" position and tap the Lock and Trunk buttons simultaneously for a half second. The parking lights will flash once to confirm the system is in valet mode. Repeat this process to take the system out of valet mode. Upon tapping the same buttons again the parking lights will flash twice to confirm the system is out of valet mode.
2. You can put the system into valet by turning the ignition key "on" and then "off" five times within 7 seconds. The parking lights will flash once to confirm the system is in valet mode. Shortly after the first flash, the parking lights will flash twice.

## Quick Reference

### Removing System Out of Valet

Tap the  for a half second to remove the system out of Valet. On starter and alarm/starter systems you can turn the key to the Ignition On position and tap the foot brake 10 times. This will take the system out of Valet Mode.

### Remote Maintenance—Battery Replacement









The only regular maintenance this system requires is remote control battery replacement. No programming is required when replacing the battery.

### One-Way Remotes: AR700R

First, remove the small Phillips screw located on the back of the remote. Once the screw has been removed, gently pull the remote apart being careful not to touch the circuit board. The AR700R requires one A23 battery. These specialty batteries can be purchased from your local Firstech dealer or an electronics store.




## Quick Reference

### 1 Way Remote Button Functions

Button	Duration	Additional Programming Required	Function / Description
	0.5 seconds	No	Locks doors and/or arms alarm.
	3.5 seconds	AS/A System Only	Panic/vehicle locator (flashes vehicle's parking lights and sounds siren and horn).
	0.5 seconds	No	Unlocks doors and/or disarms alarm.
	0.5 seconds	No	Aux 1. Triggers the auxiliary 1 output (most commonly used for sliding doors or rear lift gate).
	2.5 seconds	No	Trunk pop. Triggers the trunk release output and opens the vehicle's trunk.
	0.5 seconds	No	Triggers the auxiliary 2 output (most commonly used for sliding doors or rear lift gate).
	2.5 seconds	AS/S System Only	Activates the remote start. Repeat and remote start will shut off.
	0.5 seconds	AS/A System Only	Turns siren chirps on and off during arming and disarming of your system
	2.5 seconds	No	Option programming menu 1 - Installers Only.
	0.5 seconds	Must turn key to Ign position	Valet Mode - Bypasses system if loaning to others or servicing
	2.5 seconds	AS/A System Only	Shock Sensor On or Off - Holding these two buttons turns the shock sensor on and off.

## Quick Reference


### 1 Way Remote Button Functions

Button	Duration	Additional Programming Required	Function / Description
	0.5 seconds	Yes, See Installer	Ignition Controlled Door Locks
	2.5 seconds	No	Option programming menu 2 - Installers Only.
	2.5 seconds	Option 2-1	AS/S System Only Only: Activates Timer Start Mode. Timer Start Mode has multiple programmable settings: Vehicle can start every 1.5 or 3 hours.
	2.5 seconds	AS/A System Only	Secure Auxiliary - This feature prevents you from accidental trigger of your auxiliary outputs.

## General System Functions



The remote transmitter functions have been predetermined and programmed from the factory. The four button configuration allows for keyless entry, trunk release, and/or remote start functionality. These commands may require additional parts and labor. Please check with your place of purchase for more information.

### **Sending Commands**




When in range, and a button has been pressed, the remote's bright blue LED will illuminate and vehicle's parking lights will flash. For example, to send a remote start command from the AR700R hold down the  Button for 2.5 seconds. The remote bright blue LED will come on solid and then flash.

### **Active Lock/Arm and Unlock/Disarm**



Tap the  button for a half second to lock/arm your vehicle. Tap the  button to unlock/disarm your vehicle. The remote's bright blue LED will flash indicating the signal has been sent to the vehicle. This feature is optional and may require additional programming and/or installation. Please check with your place of purchase for details.



### **Alarm Triggers**

Only available with AS/A system. An alarm will trigger if a door, trunk, or option trigger is opened. It will also trigger if the shock sensor detects an impact. In the event that an alarm trigger is activated you can silence the siren by tapping the  or  buttons. To completely disarm and unlock vehicle, you may have to press the  button twice.

## General System Functions

### **Passive Lock/Arm**



The system can be configured to automatically lock and arm the vehicle 30 seconds after closing the last door. Place the system in passive by tapping ( + ) buttons simultaneously for a half (0.5) second. The vehicle will flash the lights once and/or siren chirp once to indicate the system is in passive lock and arming mode. Tap the same buttons again to turn passive mode off. The parking lights will flash twice and/or siren chirp twice to show it is off.

As an indicator that the vehicle is going to passively lock and arm, the remote and siren will chirp once and the parking lights will flash once at both 10 and 20 seconds prior to passively locking and arming. If you want the system to passively arm and not lock, ask your local dealer to turn Option 1-8 to setting III.

### **Only available with AS / S systems**

Hold the  button for 2.5 seconds to remote start an automatic transmission vehicle. If you are in range and if the vehicle is ready to remote start, the vehicle's parking lights will flash once.

If you are in range, the parking lights on the vehicle will flash three times followed by a certain number after that, there is a remote start error. Refer to the "remote start error diagnostic" for details.


Upon receiving confirmation that your vehicle is running, the parking lights will light solid. The remote start run time can be set for 3, 15, 25, or 45 minutes. This should be set at the time of installation. If not ask your place of purchase to adjust the option if you would like a run-time other than the default 15 minutes.

**IMPORTANT:** The vehicle's key must be inserted into the ignition and turned to the "on" position prior to driving your vehicle. If the foot brake is depressed prior to the key being in the "on" position, the vehicle will shut off.

## General System Functions

### Trunk Release







Hold button  for 2.5 seconds to release the trunk or hatch. If you are in range, the vehicle's parking lights will flash once and/or siren chirp once indicating that the trunk release command has been successfully transmitted.

**IMPORTANT:** Trunk release is an optional vehicle feature that may require additional parts and labor.

### Auxiliary Outputs / Window Roll-Down / Sliding Doors



Your system has the ability to use outputs that can be configured to control power sliding doors or a rear lift gate. These outputs some sort of data module. Your authorized Firsttech dealer can set these outputs up accordingly. Using auxiliary outputs to control additional vehicle functions will require additional parts and can be rather labor extensive.



Tap button  for a half second to trigger auxiliary output 1. Tap button  for a half second to trigger auxiliary output 2. The vehicle's parking lights will flash once indicating that the auxiliary outputs have been triggered. The system is in secure auxiliary mode, which requires you to hold buttons ( + ) for 2.5 seconds prior to triggering auxiliary 1 or 2.

### Silent Arm/Disarm



**Only available with AS/A systems.** Upon lock/arm and unlock/disarm, you can eliminate vehicle's audible confirmation by muting the siren. Normally, the siren will chirp once to indicate the system is locked/armed and twice to indicate the system is unlocked/disarmed. To mute the siren tap buttons ( + ) simultaneously for a half second.



**IMPORTANT:** Even when the siren is muted, it will still sound in the event the alarm is triggered.

## General System Functions

### Shock Sensor On/Off



**Only available with AS/A systems.**

Hold buttons ( + ) simultaneously for 2.5 seconds to turn the shock sensor on and off. The vehicle's parking lights will flash once and/or siren chirp once to confirm the shock sensor is off. The vehicle's parking lights will flash twice and/or siren chirp twice to confirm the shock sensor is on.

**IMPORTANT:** Turning off the shock sensor also turns off the optional sensor(s).

Adjusting the shock sensor sensitivity is done at the actual sensor, which is generally mounted somewhere under the vehicle's dashboard. The higher the number on the dial means greater sensitivity to impact. The recommended dial setting for most vehicle's is somewhere between 2 & 4. If you are testing your sensor, please note that the shock sensor does not recognize impact for 30 seconds after the system has been armed.

### Starter Kill

This optional feature is only available on the AS/A When installed it will disable the vehicle when it is armed/locked. This feature stops your vehicle from starting and may require additional installation and programming.

### ANTI Grind

**Only available with AS/S systems.**

The optional anti-grind/starter kill feature prevents you from accidentally grinding your vehicle's starter motor when taking over with the key. This feature requires additional installation and programming. Also your dealer can program a basic security feature that prevents your vehicle from starting when it is locked/armed. Please see your dealer for more details.

## General System Functions

### Timer Start Mode

#### TIMER

**Only available with AS/S systems.**

Timer start mode is used to cool or warm the vehicle without manually starting with the key or from the remote. While engaged, timer start will activate even while the remote is out of range. Hold buttons simultaneously for 2.5 seconds to activate timer start mode. Timer start mode will be cancelled any time the vehicle is started manually or remotely. To change from the default setting to optional settings, see your local Firsttech dealer.

**Default 1:** Will start every 3 hours for a 24 hour cycle, or until the vehicle is remote started or started by key, and run for whatever your remote start run time is set for.

**Option 2:** Will start every 1.5 hours for a 24 hour cycle, or until the vehicle is remote started or started by key, and run for whatever your remote start run time is set for.

### Drive Lock / Ignition Controlled Door Locks

**Only available with AS/A systems.**

Drive Lock/Ignition Controlled Door Locks all your power door locks after the vehicle is started and 30 seconds have passed. The door lock will unlock when you turn the vehicle's key off. You also have the option for the doors to only lock or only unlock.

This may require additional parts labor.

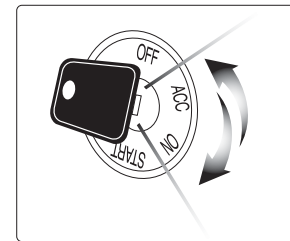
## Remote Coding / Programming Routine

**IMPORTANT:** The AR700Remotes are preprogrammed to your system. In the event you need to program your remotes follow this simple procedure below.

### Programming 600R/700R

**STEP 1:** Activate Valet/Programming mode by manually turning the ignition key on and off (between the Acc & On positions) five times within 7 seconds. The vehicle's parking lights will flash once with the successful completion of this step.

**STEP 2:** Within a second after cycling the ignition for the 5th time, tap the Lock button once for a half second. The parking lights will flash once to confirm the transmitter has been coded.



**Programming Multiple Remotes:** After the confirmation flash given in STEP 2, code additional remotes by pressing the single button on remote. The parking lights will flash once confirming each additional remote. The CM-600, CM-600AS and CM-1300 can store up to three remotes.

**Exiting Programming:** Programming is a timed sequence. If you can not get the remote(s) to program then the system enters Valet Mode. The parking lights will flash twice signaling the end of programming

## Remote Start Error Diagnostic

### **Only available with AS/S system.**

If the remote start fails to start the vehicle, the parking lights will flash three times immediately. Following those three flashes the parking lights will flash again corresponding to the error table.

Number of Parking Light Flashes	Remote Start Error
1	Motor running
2	Key in ignition on position
3	Door open (manual transmission only)
5	Foot brake on
6	Hood open
7	Reservation off (manual transmission only)
8	Tach or voltage sensing failure
10	System is in Valet Mode

We recommend that you do not attempt any repairs on your remote starter. Contact your dealer or call us directly for product support.

## Limited Lifetime Warranty

Firstech, LLC Warrants to the original purchaser that this product shall be free of defects in material and workmanship under normal use and circumstances for the period of time that the original owner of this product owns the vehicle in which it is installed; except that the remote controller unit for the period of one year from the date of installation to the original owner of this product. When the original purchaser returns the product to the retail store where it was purchased or prepaid postal to Firstech, LLC., **21903 68th Avenue South, Kent, WA 98032**, USA within the warranty period, and if the product is defective, Firstech, LLC, will at its option repair or replace such.

TO THE MAXIMUM EXTENT ALLOWED BY LAW, ANY AND ALL WARRANTIES ARE EXCLUDED BY THE MANUFACTURER AND EACH ENTITY PARTICIPATING IN THE STREAM OF COMMERCE THEREWITH. THIS EXCLUSION INCLUDES BUT IS NOT LIMITED TO, THE EXCLUSION OF ANY AND ALL WARRANTY OF MERCHANTABILITY AND/OR ANY AND ALL WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND/OR ANY AND ALL WARRANTY OF NON-INFRINGEMENT OR PATENTS, IN THE UNITED STATES OF AMERICA AND/OR ABROAD. NEITHER THE MANUFACTURER OF ANY ENTITIES CONNECTED THEREWITH SHALL BE RESPONSIBLE OR LIABLE FOR ANY DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO, ANY CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, DAMAGES FOR LOSS OF TIME, LOSS OF EARNINGS, COMMERCIAL LOSS, LOSS OF ECONOMIC OPPORTUNITY AND THE LIKE. NOTWITHSTANDING THE ABOVE, MANUFACTURER DOES OFFER A LIMITED WARRANTY TO REPLACE OR REPAIR THE CONTROL MODULE AS DESCRIBED ABOVE.

Some states do not allow limitations on how long an implied warranty will last or the exclusion or limitation on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights, and you may also have other rights, which vary State to State.

Firstech, LLC. is not RESPONSIBLE OR LIABLE FOR ANY DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO, ANY CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, DAMAGES FOR LOSS OF TIME, LOSS OF EARNINGS, COMMERCIAL LOSS, LOSS OF ECONOMIC OPPORTUNITY AND THE LIKE that may or may not resulted from the operation of Compustar, Compustar Pro, Arctic Start, Vizion, or NuStart. NOT WITH STANDING THE ABOVE, MANUFACTURER DOES OFFER A LIMITED WARRANTY TO REPLACE OR REPAIR THE CONTROL MODULE AS DESCRIBED ABOVE.

### Your Warranty

The product's warranty is automatically void if the date code or serial number is defaced, missing or altered. This warranty will not be valid unless you have completed the registration card at [www.compustar.com](http://www.compustar.com) within 10 days of purchase.



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By Firstech LLC Version 2.0 (C-04)



# By Firstech, LLC.

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