1WAM4R One-Way AM Remote

USER'S GUIDE

FCC ID : O44J1WAM4R

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.

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

By Firstech, Inc.
Website: www.compustar.org

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Safety Information

Please take these safety precautions into consideration, under the following conditions :

1. Servicing the vehicle

When servicing your automobile (i.e. changing the oil, washing your car), the CompuStar system should be in Valet Mode. There is a safety shutdown switch under the hood that deactivates the remote starter function if the hood is open.

However, if the switch has been damaged or the switch has been installed improperly, the vehicle may start when Button 🐾/⬤ is pressed for 2 seconds even if the hood is open.

2. Loaning your vehicle to others

Whenever you loan your vehicle to an individual who is not familiar with Compustar, please put the vehicle in Valet mode. This will prevent the vehicle loaner from acciden tally activating the CompuStar auto-security system.

3. For manual transmission vehicles

If the Compustar 1WAM4R is installed in a manual transmission vehicle, extra precautions are required because the Compustar does not monitor the gear shift :

Important! Under normal circumstances, Reservation Mode is cancelled when a door or hatchback opens. Please verify if the opening of any door or hatchback cancels Reservation Mode. If any of the doors or hatchback is not monitored by CompuStar because of improper installation or a faulty dome light switch, do not use the CompuStar and take your vehicle to the dealer immediately for repair. Do not set Reservation Mode when the window(s) are open or if there is anyone inside of the vehicle, including animals.

Remote : 1WFM4R

The model name, 1WAM4R, stands for
One Way AM 4 Button Remote.

Remote Button Functions

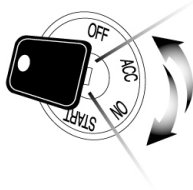|	Button	Press	Function
1	🔒/🔓	0.5 sec	Lock/ Unlock
2	❓	0.5 sec	Query Function
3	⚑/● —	2 sec	Auto -start Function - on/off
4	🚗 —	2 sec	Trunk Release - on/off
5	❓ —	2 sec	Panic, Press 🔒/🔓 to shut off.
6	(🔒/🔓 + ⚑/●)	0.5 sec	Siren Chirps - on/off
7	(🔒/🔓 + 🚗)	0.5 sec	Valet Mode - on/off
8	(⚑/● + 🚗)	0.5 sec	Passive Locking - on/off
9	(⚑/● + ❓)	0.5 sec	Timer Start Mode - on/off
10	(🚗 + ❓)	0.5 sec	Turbo Mode - on/off
11	(🔒/🔓 + ⚑/●) —	2 sec	Programming Menu 1- Installer Only
12	(🔒/🔓 + ❓) —	2 sec	Programming Menu 2- Installer Only

Note : " — " Meand pressing the button for 2 seconds.
"( )" Means simultaneously pressing the buttons.
"( )—" Means simultaneously pressing the buttons for 2 seconds.

Remote Learn Routine

The Compustar will allow up to three remotes to be programmed to one vehicle. Please perform the following procedure to add or reprogram additional remotes.

Step1: Activate Valet/ Programming mode by manually turning the ignition on and off five times (between Acc and On) with car key within a 7 second period.
The parking light will flash once with successful completion of this step.

Step2 : Within 7 second period after cycling the ignition for the 5th time, Press button 🔒/🔓 1/2 sec. The car parking lights will flash once to confirm that the transmitter has been programmed.
Continue programming the additional remotes. The parking lights will flash two times when the programming mode is expired.

Keyless Entry

You can lock or unlock the vehicle by pressing Button 🔒/🔓 for a 1/2 second.

Alarm Mode

You can arm or disarm alarm mode by pressing Button 🔒/🔓 for a 1/2 second. Press Buttons (🔒/🔓 + 🔦/●) for a 1/2 second to make your car siren mute when arming or disarming your vehicle. Keep in mind that your car siren will still activate for all other modes (i.e. panic, alarm, shock sensor) regardless of whether or not your car siren is in mute mode. The car siren will be mute only when arming or disarming your vehicle.

In alarm mode, the starter kill function (this maybe an optional feature provided by your installer) is activated. This feature disengages the starter mechanism on your car that prevents you from starting your car even with a manual key when your vehicle's alarm mode is activated.

Note : If you lose your remote after you have armed the vehicle, use your key to open the vehicle. The siren will go off. Turn on and off ignition 5 times with your key to shut off the siren and turn the system into valet mode. Cancel the valet mode with remote later. See Valet mode.

Note : (Siren duration is 30 to 60 sec depending on the options set at the time of initial installation.)

Auto-Start Function

Press Button 🔑/● for 2 seconds to auto-start an automatic transmission engine. Remember that actual key in the ignition is required to drive the car. In addition, the anti-grind circuit (this maybe an optional feature provided by your installer) prevents you from re-cranking the starter on a remote-started vehicle. Press Button 🔑/● for 2 seconds in order to turn off an auto-started car. For manual transmission vehicles, please use reservation mode.

The engine will run 15 or 25 minutes (25 or 40 min for diesel) depending on preset options at the time of installation, and then shut off. If your vehicle has a problem starting with the remotestart, the CompuStar will try 2 additional times. If the engine does not start after the third attempt, please contact your authorized CompuStar dealer.

Continuation Mode : (Stop and Go feature)

While your vehicle is running with your key, press button 🔑/● for 2 seconds, you are now in the continuation mode. Your engine will continue running for the preset time even if you take your key out of the ignition.
Example: For that quick in and out of the vehicle, with out restarting.

Diagnosing problems with Auto-Start

If there is a problem in auto-starting your car, wait for few seconds and the cause for the error will be indicated by the number of times the car parking lights flash.

Error Number (# of times the car chirps & parking lights flash)	Error Reason
1	Engine On
2	Key On
3	Door Open
4	Trunk Open
5	Brake On
6	Hood Open
7	Reservation Off (Manual Transmission Only)

Reservation Mode (manual transmission only)

In order to auto-start your manual transmission car, you must first set the CompuStar system to Reservation Mode before leaving your vehicle. The purpose of Reservation Mode is to leave the transmission gear in the neutral position when you leave your vehicle. Reservation mode is intended for use in MANUAL TRANSMISSIONS ONLY and NOT FOR AUTOMATIC TRANSMISSIONS. Reservation Mode must be engaged each and every time you leave your manual transmission car in order to auto-start the vehicle.

Note : The system is not recommended for vehicles with removable tops.

◦· Important Requirements to activate Reservation Mode

　　¶ʊThe transmission must be in the NEUTRAL position.
　　¶ʊThe vehicle windows must be rolled up.
　　¶ʊDo not set the reservation mode with people in the vehicle.
　　¶ʊDo not auto-start the car with people in the vehicle.

◦· Activating Reservation Mode (MANUAL TRANSMISSION ONLY)

Step1 : After arriving at your destination, and <u>BEFORE TURNING YOUR ENGINE OFF</u>, place the transmission in the Neutral position.

Step2 : Remove your foot from the foot brake.

Step3 : Activate the parking brake.

Step4 : Remove the key from the ignition. The engine will remain running.

Step5 : Exit the vehicle and close the door within two minutes after activating the parking brake. The engine will shut off and reservation mode for the remote starter is now complete.

Your vehicle is now ready for auto-starting. However, the reservation mode will be cancelled if the door or hatch is opened or the CompuStar system is put in Valet mode after the reservation has been set. Once cancelled, you will have to start the vehicle with the manual key and repeat the above 5 steps if you want to restore reservation mode.

Important! If you try to auto-start the vehicle when reservation mode has not been set or turned on, the auto-start feature will not work. When you press the auto-start button, the car parking lights will flash two times. A couple of seconds later, the cause for the error will be indicated by the number of times the car chirps and parking lights flash. See the following chart for error messages.

Canceling Reservation Mode

If you do not want to set reservation mode, shut off the engine before you exit the vehicle. The engine will shut off for the following reasons :

‧ You did not activate the parking brake or pressed the foot brake when you turned the manual key to the off position.

‧ You released the parking brake while the engine was running.

‧ You entered Valet Mode after the Reservation Mode has been completed.

■ Error Messages

If there is a problem in auto-starting your car, you will hear three chirps when you attempt to auto-start the car. Wait for 2 seconds and the cause for the error will be indicated by the number of times parking lights flash.

Error Number (# of times the car chirps & parking lights flash)	Error Reason
1	Engine On
2	Key On
3	Door Open
4	Trunk Open
5	Brake On,
6	Hood Open
7	Reservation Off (Manual Transmission Only)

Trunk Release

Press Button ⬤ for 2 seconds in order to unlock and release your trunk door. Note that the trunk release function will not only release the trunk but will unlock the all doors as well.

Note : This option must be installed.

Query Function

Query Function allows the owner to visually monitor the status of your car.
Press Button ⑦ for a 1/2 second to activate the Query Function. You will notice the parking lights flash as follows :

Parking Lights Flash	Arming/ Engine Status
Once	Armed, Engine Off
Twice	Disarmed, Engine Off
Three Times	Armed, Engine On
Four Times	Disarmed, Engine On

Panic Mode

Press Button ⑦ for 2 seconds to enter Panic Mode. In this mode, the car will arm if not armed already and the siren will activate and the parking lights will flash. In order to disengage Panic Mode, press Button 🔒/🔓 for 1/2 second. Then, press Button 🔒/🔓 for a 1/2 second to unlock/ disarm your vehicle.
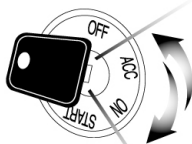
If **Anti-Jacking** option has been programmed (ask your dealer if you like to have this option) and the Ignition-Kill has been installed , the Panic Mode works as Anti-Jacking if the car key in the ignition. In Anti-Jacking mode is activated while key is in the ignition,

a) Siren will go off for 1.5 minutes, and b) Ignition-Kill will be activated after the first 30 seconds. That is to give warning to the hijacker for the first 30 seconds and then to disconnect the ignition to stop the vehicle

Valet Mode

While the vehicle is in valet mode, the only features that will function will be the keyless entry and optional auxiliary functions.

In order to enter Valet mode, press Buttons (🔒/🔓 + 🚗) simultaneously for 1/2 second. In order to manually enter Valet Mode, insert your car key into the ignition and turn the ignition on and off (between ACC and ON) five times within 7 seconds

You can exit Valet Mode only by pressing Buttons (🔒/🔓 + 🚗) simultaneously.

Timer Start Mode

In Timer Start Mode, your car automatically starts every 1.5 or 3.0 hours depending on preset options during the time of installation for a 24-hour period. This mode is deleted automatically after 24 hours or once you start your car with either your manual key or remote. In order to enter Timer Start Mode, press Buttons (🔑/● + ⑦) simultaneously for a 1/2 second.

Please note : Timer Start Mode becomes Cold Start Mode once an optional temperature sensor is installed.

Important! Timer Start Mode should be used only in open areas. Never start and run the vehicle in an enclosed space such as a garage or carport.

Safety Shut Down Features

CompuStar 1WAM4R system has several shut down safety features. The following actions will shut down the engine or prevent the car from auto-starting : Opening of the car engine hood, pressing of the brake or

OPTIONAL PROGRAMMABLE FEATURES

These additional features may be programmed to the CompuStar system by your authorized CompuStar dealer.

Ignition Lock

Automatic Transmission Vehicle : This programmable option enables your vehicle to automatically lock the doors upon starting the vehicle with a key. In addition, the vehicle will automatically unlock the doors upon pulling the key out from the ignition. This option must be chosen at the time of installation.

Manual Transmission Vehicle or Turbo Mode : This programmable option will locks the doors with in 5 seconds after starting the vehicle with a key and the emergency brake is released.

Passive Locking

You can turn this function on or off by pressing Buttons (🔑/● + 🚗) for a 1/2 second. When set to passive locking, your system will lock automatically 30 seconds after all the car doors are closed.

Turbo Mode

If this optional Turbo Mode has been programmed at the time of installation, you can turn this feature on and off by pressing Buttons (🚗 + ⑦).

Under this mode, engine continues running for 2 minutes after key has been taken out from the ignition if emergency brake was on when the key is taken out.
To utilize this mode, the emergency brake sensing wire has to be connected to the emergency brake wire of the vehicle. Consult the authorized dealer for this mode.
This option is ideal for turbo charged vehicles.
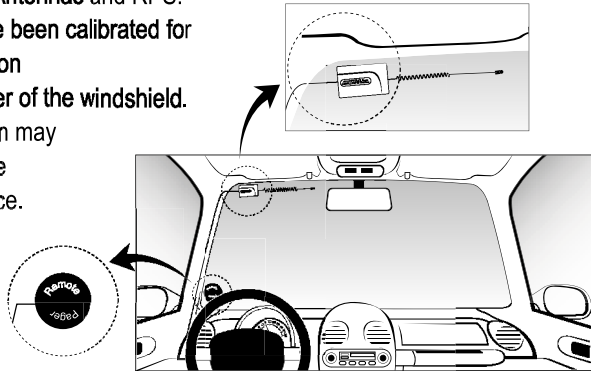
OPTIONAL INSTALLATION FEATURES

The CompuStar 1WAM4R remote has additional features and expansion possibilities that require additional parts and labor.

Cold Start Mode

If the optional temperature sensor has been installed, Timer Start Mode becomes Cold Start Mode. Under this mode, your car automatically starts if the temperature of the inside of the vehicle goes below the preset temperature. The minimum interval between the starts will be 1.5 or 3.0 hours depending on preset options during the time of installation. Cold Start Mode is activated or deactivated by pressing Buttons (⚷/● + ⑦) for a 1/2 second.

AM Antennas

Installation of AM Antennas and RPS.
The antennas have been calibrated for horizontal installation
at the left-top corner of the windshield.
Different installation may
adversely affect the
transmitting distance.

Limited Lifetime Consumer Warranty

Firstech, Inc 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, Inc., 801 E. 82end Ave Suite 1 Anchorage, Alaska 99518, USA within the warranty period, and if the product is defective, Firstech, Inc, 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, Inc. 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.
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 its date code or serial number is defaced, missing or altered. This warranty will not be valid unless you have completed the registration card and mailed it to Firstech, Inc., within 10 days after the purchase to the address listed on the registration card.

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