CompuStar 2WFMR (S)

Two-Way FM Remote

Starter Only

USER'S GUIDE

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 vehicle (i.e. changing the oil, tire rotation), 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 **II** 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 accidentally activating the CompuStar remote start system.

3. For manual transmission vehicles

If the Compustar 2WFMR(S) 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 being monitored by the CompuStar because of improper installation or a faulty dome light switch. Do not operate the CompuStar system, 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.

Firstech, Inc. will not be responsible for any damages resulting from improper installation or a faulty dome light switch.

Important Requirements to activate Reservation Mode

CompuStar does not monitor the location of the gear. It is your responsibility to leave the transmission in the neutral position before you remote start. If the reservation is set when the transmission is in gear or if you move the transmission gear after the reservation has been activated, the vehicle will move when the engine will start and Firstech will not be responsible for any damages.

Two Way Remote: 2WFMR(S)

The model name, 2WFMR(S), stands for **Two Way Frequency Modulation Remote for Starter only**. This transmitter will allow you to activate multiple functions of the Compustar by pressing a combination of 4 buttons on the unit in order to transmit signals.

Two Way Remote Button Functions

The button functions of the 2WFMR are very similar with the 2WFMR (Two Way Remote-Pager with LCD). The difference between 2WFMR(S) and 2WFMR is that the 2WMFR(S) is **not** a remote pager. If you are using 2WFMR(S) for an alarm/starter combo unit, please consult your dealer for more button functions.

Note: This remote, 2WFMR(S), will not confirm a zone being violated when used with a Compustar alarm or alarm/starter controller module. (i.e. Open door or shock sensor

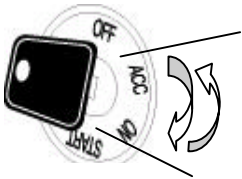|	Button	Pressed For	Function
1.	I	1/2 sec	Lock/Unlock, Anti-Grind – on/off
2.	II-	2 seconds	Auto-start on/off
3.	III-	2 seconds	Trunk Release
4.	IV	1/2 sec	Query Function
5.	(I+III)	1/2 sec	Valet Mode – on/off
6.	(II+III)	1/2 sec	Passive Lock – on/off
7.	(II+IV)	1/2 sec	Timer Start Mode - on/off
8.	(III+IV)	1/2 sec	Turbo Mode - on/off
9.	(I+III) -	2 sec	Shock Sensor – on/off
10.	(I+II) -	2 sec	Programming Menu 1 – Installer Only
11.	(I+IV) -	2 sec	Programming Menu 2 – Installer Only

Note:
- Represents pressing the button for 2 seconds.
( ) Represents simultaneously pressing the buttons
( ) – Represents simultaneously pressing the buttons for 2 seconds

Two Way Remote Learning Procedures

If you replace or add additional remotes, you can program up to three remotes, please perform the following procedure:

Step 1: Activate Valet/Programming mode by manually turning the ignition on and off five times (**between Acc and On**) with the car key within a 10 second period. The parking lights will flash once with successful completion of this step.

Step 2: Within a 10 second period after cycling the ignition for the 5th time, press button I for ½ second. The vehicle parking lights will flash once to confirm that the transmitter has been programmed. Continue program the additional remotes. The parking lights will flash two times when the third remote has been programmed or programming mode is expired.

Lock/Unlock Mode

You can lock or unlock the vehicle by pressing Button **I** for a ½ second or 2 seconds. If you install the optional anti-grind function, this feature disengages the starter mechanism on your car that prevents you from re-cranking the starter with a manual key, while the engine is running by the remote start function.

Auto-Start Function

Press Button **II** for 2 seconds to auto-start an automatic transmission engine.

Remember that a manual key in the ignition is required to drive the vehicle. 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 **II** 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 45 min for diesel) depending on preset options at the time of installation and then shut off. If your remote-pager has a problem starting the vehicle, CompuStar will try 2 additional times. If the engine does not start after the third attempt, please call your authorized CompuStar dealer.

Continuation Mode:
While your vehicle is running with your key in the ignition, press button II 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 from the ignition. With this mode, the engine will continue running without the key during your quick stop (i.e. at the grocery store).

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

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

Reservation Mode (manual transmission only)

In order to auto-start your manual transmission vehicle, 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
CompuStar does not monitor the location of the gear. It is your responsibility to leave the transmission in the neutral position before you remote start. If the reservation is set when the transmission is in gear or if you move the transmission gear after the reservation is set, the engine will start and Firstech will not be responsible for any damages.

- ?? **The transmission must be in the NEUTRAL position.**
- ?? **The vehicle windows must be rolled up.**
- ?? **Do not set the reservation mode with people in the vehicle.**
- ?? **Do not use the auto-start with people in the vehicle.**
- ?? **Do not set the reservation mode if the vehicle has a problematic door pin or dome light system.**

Activating Reservation Mode (MANUAL TRANSMISSION ONLY)

Step 1: After arriving at your destination, and <u>BEFORE TURNING YOUR ENGINE OFF</u>, place the transmission in the Neutral position.
Step 2: Remove your foot from the foot brake.
Step 3: Activate the parking brake.
Step 4: Remove the key from the ignition. The engine will remain running.
Step 5: 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 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 remote will beep three times and the vehicle parking lights will flash five times. A couple of seconds later, the cause for the error will be indicated by the number of times the vehicle parking lights flash. See Page 4 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, you 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 vehicle, you will hear three chirps when you attempt to auto-start the vehicle. Wait for 2 seconds and the cause for the error will be indicated by the number of times the vehicle parking lights flash.

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

Trunk Release

Press Button **III** 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 all the doors as well.

Query Function

Query Function allows the owner to monitor the status of your car. Press Button **IV** for a ½ second to activate the Query Function.
Remote will beep:
Once if the engine is off and door locked, Twice if the engine is off and door unlocked,
Three times if the engine is on and door locked, Four times if the engine is on and door unlocked.
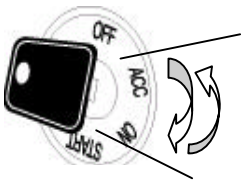
Panic Mode

Press Button **IV** for 2 seconds to enter Panic Mode. In this mode, the vehicle will lock if not locked already and the parking lights will flash. In order to disengage Panic Mode, press Button **I** for ½ second. Then, press Button **I** for a ½ second to unlock your vehicle.

Valet Mode

The only feature operating in valet mode is the keyless entry function and optional auxiliary functions. Valet Mode is very useful when washing your vehicle or having it serviced.

In order to enter Valet mode, press Buttons **(I+III)** simultaneously for a ½ 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 10 seconds

You can exit Valet Mode only by pressing Buttons **(I+III)** simultaneously for a ½ second.

Timer Start Mode

In Timer Start Mode, your vehicle 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 vehicle with either your manual key or remote-pager. In order to enter Timer Start Mode, press Buttons **(II+IV)** simultaneously for a ½ second.

Also, note that 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 system has several shut down safety features. The following actions will shut down the engine or prevent the vehicle from auto-starting: Opening of the car engine hood, Pressing of the brake or Valet mode is turned on.

OPTIONAL PROGRAMMABLE FEATURES

These additional programmable features can 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 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 **(II+III)** for a ½ second.
1. When set to passive locking, your doors will lock automatically 30 seconds after all the vehicle 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 **(III+IV)** for a ½ second.

Under this mode, the 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.

OPTIONAL INSTALLATION FEATURES

The CompuStar 2WFMR(S) 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 vehicle will automatically start 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 **(II+IV)** for a ½ second.

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 pre-paid postage to Firstech, Inc., 801 E. 82nd Ave Bldg. B 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 OR 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 ECOMONIC OPPORTUNITY AND THE LIKE that may or may not result from the operation of Compustar. NOTHWITHSTANDING 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.

REGISTRATION CARD

A 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 purchase to the following address: 801 E. 82nd St., Suite 1. Anchorage, AK 99518

Last Name_____ First Name_____

Address_____

City_____ State _____Zip_____

E-mail_____ Home telephone(   )_____

Work telephone(   )_____Purchase Place_____

Date of Purchase_____ CompuStar Model_____ Purchase Price_____

Vehicle Make_____ Model_____

CompuStar Serial #_____

How did you hear about this product?

___Magazine Ad   ___TV Ad   ___Radio Ad
___Internet   ___Friend/Family   ___Auto security/stereo dealer
___ Auto Trade Show   ___Other (please specify)_____

What of the following best describes your annual income?

___Less than $10,000   ___$40,000-$50,000   ___$80,000-$90,000
___$10,000-$20,000   ___$50,000-$60,000   ___$90,000-$100,000
___$20,000-$30,000   ___$60,000-$70,000   ___More than $100,000
___$30,000-$40,000   ___$70,000-$80,000

Which of the following best describes the work that you do?

___K-12 Student   ___K-12 Faculty/Administrator   ___University Student
___University Faculty/Administration   ___Federal/State Government   ___Self-Employed
___Engineering   ___Manufacturing/Operations   ___Food Services
___Professional Services (e.g. doctor, lawyer, consultant)   ___Sales/Marketing/Business Development
___Other (please specify)_____