

## CompuStar SHF 2W-AS

### USER'S GUIDE

**Firstech, Inc.** 230 E. Potter St. Suite #8, Anchorage, AK. 99518  
1-907-563-8648

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's authority to operate this device.

## INTRODUCTION

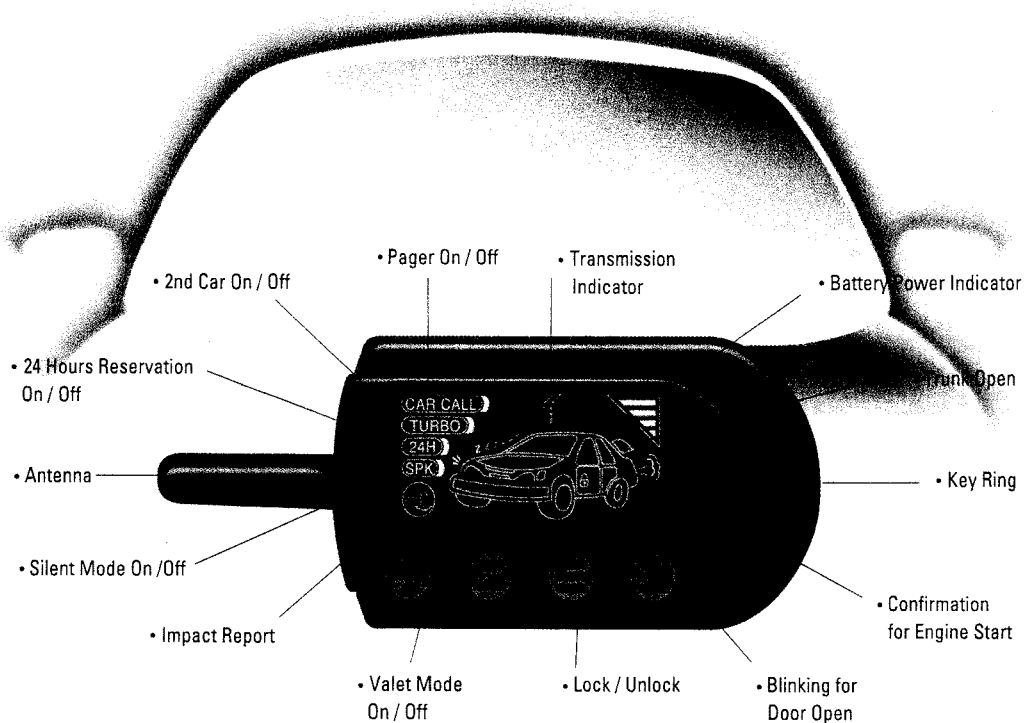
Thank you for choosing COMPUSTAR, a state-of-the-art TWO WAY alarm/remote start systems for your vehicle. We, at FIRSTECH, INC., are constantly researching and developing to make you and your vehicle safe and more comfortable. SECURITY & COMFORT, that's what FIRSTECH, INC. is all about.

## TABLE OF CONTENTS

1. Operation: Remote Functions For Automatic Transmission -----Page 4
2. Operation: Remote Functions For Manual Transmission ----- Page 5
3. By- Pass Switch-----Page 6
4. Neutral Safety Switch-----Page 7
5. Alarm Trigger-----Page 7
6. Transmitter Learning Procedure-----Page 7
7. Programming Options With Remote-----Page 7
8. Limited Lifetime Warranty-----Page 8
9. Registration Card-----Page 9

The only two way vehicle security and remote starter system  
that tells you what's happening in your vehicle.

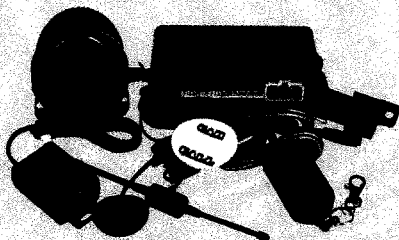
The only two way communication system between you and your vehicle with a  
complete information center built right in your LCD remote control.



### SHF 2W-AS

### SHF 1W-AS

### SHF 1W-S



### Alarm Function

- Silent Mode - Remote Control
- Dual Shock Sensor
- Status LED
- Active / Passive Arming - Remote Control
- Valet - Remote Control
- Built in Starter Kill
- Door Trigger
- Panic Mode
- Trunk Output
- Anti Code Grabbing
- Door Lock / Unlock
- Ignition Controlled Door Locks

### Starter Function

- Superheterodyne Crystal Receiver
- Double Conversion Digital Processing
- Safety Shutdown
- Selective Runtime
- Programmable for Either Automatic or Standard Transmission
- Diesel - Glow plug Sensing
- Factory Arm / Disarm
- Parking Light Confirmation
- 24 Hour Reservation Mode
- One Remote - Two Car Operation

•FCC ID / N99 SYSTEM , N99 REMOTE FC

**FIRSTECH**

## 1. OPERATION: REMOTE FUNCTIONS FOR AUTOMATIC TRANSMISSION

Please take time to read the owners manual. If you have any question, please contact your authorized dealer.  
Also, refer to the FUNCTION printed on the back of your remote.

Button I. Press ½ Sec.  
Arm(Lock)/Disarm(Unlock)  
If there is no response, you are out of range.

All doors have to be closed: if not, the door in the LCD will flash.  
Factory setting: No ignition locks, Active Arming. The status LED will begin to flash after 3 seconds upon locking the doors. The Starter Kill (Optional feature, see your dealer) will take into effect. The shock sensor will be in Impact Watch Mode for 30 seconds upon arming. Upon disarming, if siren chirps more than two times, the system has been triggered while armed: 3 chirping by Shock sensor, 4 chirping by Door sensor. **Note:** The system also can be programmed for Passive Arming. The system will check the doors, and if the doors are all closed, the system will arm itself in 30 seconds. If the vehicle has a dome light delay circuit and you have to wait until the dome lights go off before you Arm(Lock) the car, consult your authorized dealer about **Passive Arming**.

**Warning:** Do not press Button I for more than ½ Sec. (See next)

Button I. Press 2 Sec. **Panic**  
To turn off Panic, press Button I for ½ second.  
Panic is also a Car Finder.

Button II. Press 2 sec. **Remote Start/Stop**  
Running time: 15 or 25 minutes (24/45 for diesel). Factory setting is 25minutes(45 for diesel). If there is no response, you are out of range.

If the door in the LCD flashes, check to see if a Door is open, the Hood is open, the by-pass switch is On or the Brake pedal is being pressed. The vehicle will remain running for until, Programmed time elapsed, Button II pressed for 2 seconds, Break Pedal pressed, Hood opened, or By-Pass Switch turned On.

Button III Press 2 Sec. **Trunk Release** (optional see dealer)  
When the Button III is pressed for 2 Sec., the trunk will open

and the system will also Disarm/Unlock the doors as well.

Button IV Press ½ Sec. **Query**  
The LCD will show the status of your vehicle.

**Note:** Nothing will happen if the Button IV is pressed more than ½ Sec.

The LCD in the remote displays 5 different Modes.

Button I+II Press ½ sec. **Mute Mode** (On/Off)  
When the Mute Mode is Off when **SPK** is indicated in the LCD.

Button I+III Press ½ Sec. **Valet Mode** (On/Off)  
Valet Mode will shut down the alarm and the remote starter system. Only the Lock/Unlock will work in valet mode. The Valet Mode can also be entered with the KEY. Turning KEY to ON from ACC three times within 3 seconds.  
**Note:** The LCD will not display the Zz. when the KEY is used to enter the Valet Mode. Press Button I+III to exit Valet Mode.

Button II+III Press ½ Sec. **Car Call/Paging mode** (On/Off)

Your remote will be paged when your vehicle is being tampered with. The LCD will tell you whether it was tampered by Impact Sensor (hammer flashing) or Door being opened (door flashing). You will save the battery by turning Off the Paging mode. CAR CALL will indicate in the LCD when this mode is on.  
**Note:** The Pager will not respond to the first stage of the Shock Sensor.

Button II+IV Press ½ Sec. **24Hr. Timer Mode** (On/Off)  
Your car will automatically start every One, Two or Three Hours. Factory Setting: 3 hrs. If you want to change the Factory Settings, see programming section.

Button III+IV Press ½ Sec.  
**Mode** (2<sup>nd</sup> car on/off)

### **Turbo**

Control Two vehicles with One Remote. Why is it called Turbo? This mode is used in different ways in other countries. Factory Setting: The remote control has been programmed to work either Turbo On /Off indicated in the LCD.

**Note:** If you want to program more than one remote to a vehicle, every time you program a remote, you must program the 2<sup>nd</sup> and 3<sup>rd</sup> remote at the same time. Up to three remotes to a vehicle.

## 2. OPERATION: REMOTE FUNCTIONS FOR MANUAL TRANSMISSION

Please take time to read the owners manual. If you have any question, please contact your authorized dealer.

Also, refer the FUNCTION printed on the back

Button I. Press ½ Sec.  
Arm(Lock)/Disarm(Unlock)

If there is no response, you are out of range.

All doors have to be closed: If not, the door in the LCD will flash. Factory setting: No ignition lock, Automatic Arming(Lock) upon completion of reservation and Active Arming. The status LED will begin to flash after 3 seconds upon locking the doors. The Starter Kill (Optional feature, see your dealer) will take into effect. The shock sensor will be in Impact Watch Mode for 30 seconds upon Arming. Upon Disarming, if siren chirps more than Two times, the system has been triggered while armed. 3 chirping by Shock sensor, 4 chirping by Door sensor. If the vehicle has a dome light delay circuit and you have to wait until the dome lights go off before you Arm(Lock) the car, consult your authorized dealer.

**Note: Passive Arming.** The system also can be programmed for Passive Arming. The system will check the doors. If the doors are all closed, the system will arm itself in 30 seconds.

Warning: Do not press Button I for more than ½ Sec. (See next)

Button I. Press 2 Sec. **Panic**  
To turn off Panic, press Button I for ½ second.  
Panic is also a Car Finder.

Button II. Press 2 sec. **Remote Start/Stop**  
Running time: 15 or 25 minutes (24/45 for diesel). Factory setting is 25minutes(45 for diesel). Also, the factory setting is automatic Arming(Lock) upon completion of reservation. If there is no response, you are out of range.

If the door in the LCD flashes without starting the vehicle, when the **Reservation Mode** has not been set. Also, check to see if a Door or the Hood is open, the by-pass switch On or the Parking Break released. The vehicle will remain running for until; Programmed time has elapsed, Button II pressed for 2 seconds, Parking Brake released, Hood opened, or by-pass Switch turned On.

### IMPORTANT

1. The vehicle must be in the NEUTRAL position.
2. The vehicle windows must be rolled up.
3. Do not set the reservation mode with any people in the vehicle.
4. Do not remote start with any people in the vehicle.

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

**Reservation Mode** must be set for Manual Transmission vehicles to Remotely Start.

**Steps1:** After arriving at the destination, and before turning the engine OFF, shift the transmission to the Neutral position.

**Step 2:** Activate your parking brake.

**Step 3.** Remove the key from the ignition. The engine will remain running.

**Step 4.** Exit the vehicle and close the door within Two minutes from step 3. Then, the engine will shut Off and Reservation Mode is now complete.

Your vehicle is now ready for remote starting. However, the reservation mode will be cancelled if Door has been opened or CompuStar has been put in Valet mode after Step 4, in which cases you have to start the vehicle with the key and repeat the above 4 steps if you want to restore the Reservation Mode.

**Note:** If you try to remote start the vehicle when the Reservation Mode has not been set or cancelled, the system will not start. The parking light will flash Three times and the Door in the LCD will start flashing to inform you that the Reservation Mode has been cancelled or not been set.

#### **Canceling Reservation Mode**

If you do not want to set the reservation mode, shut off the engine before you exit the vehicle. The engine will shut off if (a) you do not activate your Parking brake when you turn your key to Off position, (b) release your Parking brake while engine is running, or if (c) you press Button II between step 3 and 4.

**Note:** The Reservation Mode will cancel if the Door opens or CompuStar has been put in Valet mode after Step 4, in which cases you have to start the vehicle with the key and repeat the above 4 steps if you want to restore the Reservation Mode.

Button III Press 2 Sec. **Trunk Release** (optional see dealer)

When the Button III is pressed for 2 Sec. The trunk will open and the system will also Disarm/Unlock the doors as well.

Button IV Press ½ Sec. **Query**  
The LCD will show the status of your vehicle.

**Note:** Nothing will happen if the Button IV is pressed for more than ½ Sec. long.

The LCD in the remote shows 5 different Modes.

Button I+II Press ½ Sec. **Mute Mode** (On/Off)

When the mode is Off when **SPK** is indicated in the LCD.

Button I+III Press ½ Sec. **Valet Mode** (On/Off)

Valet Mode will shut down the alarm and the remote starter system. Only the Lock/Unlock will work in Valet Mode. The Valet Mode can also be entered with the KEY. Turning KEY to ON from ACC three times within 3 seconds.

Note: The LCD will not display the Zz. when the KEY is used to enter the Valet Mode. Press Button I+III to exit Valet Mode.

Button II+III Press ½ Sec. **Car Call/Paging mode** (On/Off)

Your remote will be paged when your vehicle is being tampered with. The LCD will tell you whether it was tampered by Impact Sensor (hammer flashing) or Door being opened (door flashing). You will save the battery by turning off the Paging Mode. CAR CALL will indicate in the LCD when this Mode is On.

**Note:** The Pager will not respond to the first stage of the Shock Sensor.

Button II+IV Press ½ Sec. **24hr. Timer Mode** (On/Off)

Your car will automatically start every One, Two or Three Hours. Factory Setting: 3 Hrs. If you want to change the Factory Settings, see programming section.

Button III+IV Press ½ Sec. **Turbo Mode** (2<sup>nd</sup> car On/Off)

Control Two vehicles with One Remote. Why is it called Turbo? This mode is used in different ways in other countries. Factory Setting: The remote control has been programmed to work either Turbo On/Off indicated in the LCD.

**Warning:** If you want to program more than One remote to a vehicle, each time when you program a remote, you must program the 2<sup>nd</sup> and 3<sup>rd</sup> remote at the same time. Up to three remotes to a vehicle.

#### **3.BY-PASS SWITCH**

To shut Off the Remote Starter System, by putting the by-pass switch to On position. By-Pass switch on the Off position activates remote starting function.

#### 4. NEUTRRAL SAFETY SWITCH

Your vehicle should starts only in Parked or in Neutral position with the key. If the vehicle starts in any other position, the **Manual Transmission Mode has to be activated.** (Consult your dealer).

#### 5. ALARM TRIGGER

Your alarm will be triggered in the following ways:

**A.** Light Impacts will trigger the 1<sup>st</sup> stage of the Shock Sensor, the siren will chirp 4 times and the parking lights will flash for a few seconds. The LCD will not show anything for 1<sup>st</sup> stage of the Shock Sensor.

**B.** Heavy impacts will trigger the system with 30 Sec. of constant siren and flashing of the parking lights. The Hammer in the LCD will show up and flash 6 times if it is in the Paging Mode.

**C.** If a Door is opened, the siren will go off and the parking lights will flash for 30 Sec. The door in the LCD will flash 30 times if it is in the Paging Mode.

**D.** Optional starter kill prevents the vehicle's starter from cranking.

#### 6. TRANSMITTER LEARNING PROCEDURE

**Steps 1:** Put the system in Valet mode with key: Ignition On and Off Three times with key within 3 Sec. The parking light will flash once, when it enters the Valet Mode.

**Step 2:** Once in the Valet Mode, within 6 Sec. choose one of the Lock options by pressing:

**Button I** for ½ Sec. for normal locks.

**Button II** for 2 Sec. for double pulse unlock

**Button III** for 2 Sec. for lock pulse after Ignition turns Off for those vehicles that has factory Ignition control Door Lock and Unlocks the Door when the Ignition is turned Off.

**Button IV** for ½ Sec. for 4-second door lock pulse.

The parking light will flash twice to confirm step 2.

**Step 3:** Program 2<sup>nd</sup> remote or 3<sup>rd</sup> remote by pressing any button. The system will program up to 3 remotes. The parking light will flash once to confirm step 3.

**Note:** Step 3 will remove any of the previous programming of the remotes. Each time when you program a remote, you have to program the 2<sup>nd</sup> or 3<sup>rd</sup> remote also even if it was programmed previously.

#### 7. PROGRAMMING OPTIONS WITH REMOTE:

**Step 1:** Place the key in the Ignition, and turn to the ON potion (vehicle not running.) (This means that there should be **12v at IG1 and nothing at the Tach sensing wire or Alternator sensing wire.**)

**Step 2:** Press the buttons I and IV for ½ Sec. The siren will chirp once, now you are in the Programming Mode.

**Step 3: Option 1-** Ignition Lock (locks all doors after starting.)

Press button I for ½ Sec. to select Option 1. Press button IV for ½ Sec. to not select Option 1.

(Two chirps, confirming step 3.)

**Step 4: Option 2-** locks all doors after reservation (**Manual Transmission only**).

Please go over the procedure for Reservation Mode for the Manual transmission. If you choose Option 2, the doors will lock when you exit the vehicle and close the door.

**Option 2 is recommended.**

Press button I for ½ Sec. to select Option 2.

Press button IV for ½ Sec. to not select Option 2. (Three chirps, confirming Step 3.)

**Step 5: Option 3- A.** (Passive Arming) After the last door is closed the system will chirp every 10 seconds and Arm itself after 3 warning chirps. Press Button I for ½ Sec.

**Option 3- B.** (Semi-passive arming) The system will Arm itself after disarm like Option 3-A, except if a door has been opened after disarm, the system will not Passively arm. Press Button II for 2 Sec.

**Option 3- C.** (Active arming) System wills arm/disarm only by the remote. Press Button IV for ½ Sec.

(Four chirps, confirming step 5.)

**Step 6: Option 4-A.** If you enter 24Hr mode, the system will start the vehicle every hour. Press Button I for ½ Sec.

**Option 4- B.** In 24Hr mode, every 2 hour. Press button II for 2 Sec.

**Option 4- C.** In 24Hr mode, every 3 hour. Press Button III for 2 Sec. **Option 4-D.** Not to program 24Hr Mode. Press button IV for ½ sec Five chirps, confirming step 6.

**NOTE:** Go through the procedures Step by Step. If the system dose not give the confirmation chirps, go through the Programming Option again.

## LIMITED LIFETIME 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 postal to Firstech, Inc., 230 E. Potter Suite 8, 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 OF PATENTS, IN THE UNITED STATES OF AMERICA AND/OF 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 of incidental or consequential damages. This warranty gives you specific legal rights, and you may also have other rights, which vary State to State.

### IMPORTANT NOTE:

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 warranty card and mailed it to Firstech, Inc., within 10 days after purchase to the address listed on the card.



Registration Card

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Phone Number: Home (    ) \_\_\_\_\_ Office (    ) \_\_\_\_\_  
Place of Purchase \_\_\_\_\_ Date of Purchase \_\_\_\_\_  
Purchase Model \_\_\_\_\_ Purchase Price \_\_\_\_\_  
Vehicle Make \_\_\_\_\_ Model: \_\_\_\_\_  
How did you hear about this product? \_\_\_\_\_

Firstech Inc.  
230 E. Potter Suite 8  
Anchorage, AK 99518

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