CompuStar 2000AS

USER'S GUIDE

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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.

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, uses 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.

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.

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1. Transmitter Button Functions

Channel	Button	Press for	Function	Factory Setting
1.	I	1/2 sec	Arm/Disarm; VPS on/off	
2.	II	1/2 sec	Aux 1	
3.	III	1/2 sec	Aux 2	
4.	IV	1/2 sec	Query	
5.	I -	2 sec	Panic	
6.	II -	2 sec	Remote Starting - On/Off	
7.	III-	2 sec	Trunk	
8.	IV-	2 sec	CompuGlo Back Light On/Off	On
9.	(I+II)	1/2 sec	Siren Chip - On/Off	On
10.	(I+III)	1/2 sec	Valet Mode - On/Off	Off
11.	(I+IV)	1/2 sec	Shock Sensor On/Off	On
12.	(II+III)	1/2 sec	Transmitter Beep - On/Off	On
13.	(II+IV)	1/2 sec	Timer Mode 1.5 hour - On/Off	Off
14.	(III+IV)	1/2 sec	2nd Car	Off
15.	(I+II)-	2 sec	Option Programming 1	
16.	(I+III)-	2 sec	Option Programming 2	

2. Alarm Function

Upon arming, your alarm will be triggered by:

- Light Impact (first stage shock sensor). The siren will chirp 4 times and the parking lights will flash for a few seconds. The transmitter will be paged and the vibration icon will appear in the LCD.
- Heavy impacts (second stage shock sensor). The siren will go off and the parking lights flash for 60 Seconds. The transmitter will be paged and the Hammer in the LCD will appear.
- Door opened. The siren will go off and the parking lights will flash for 60 Seconds. The transmitter will be paged and the door icon will appear in the LCD.
- If you have installed the Optional starter kill function, your vehicle will not start with key when system is armed.

> **Note:** (Siren duration 30Sec. or 60Sec. refer to programming section)

3. Panic

In Case of an emergence and you want to track attention. Press Button I for 2 Seconds and you will enter Panic Mode. The siren will go off and the parking light will start flashing. To disengage Panic Mode. Press Button I for ½ Second.

4. Start Function

Press Button II for 2 Seconds to start the engine. The engine will start and give you a confirmation on the Remote-pager. The engine will run 15 minutes (25 min for diesel) or 25 minutes (40 min for diesel) . If the engine has a problem starting the system will retry 2 more times. If the engine dose not start after the 3rd attempt, please call you Authorized Dealer.

       Note: Runtime, please consult you Authorized Dealer.

5. Safety Shut Down

System has several Shut Down inputs. That will shut down the engine or prevent from remote starting.
- the Hood is opened,
- the Brake is pressed,
- the Valet is entered, or
- the Valet switch is turned on.

6. VPS(Vehicle Paging System)

VPS is turned on upon arming. If the VPS sensor is triggered by an impact such as knocking on the VPS module, the transmitter will be paged.

7. Aux 1 & Aux 2

The system has Aux 1 & Aux 2 output to be utilized with optional features. (Consult your Authorized Dealer)

8. Valet Mode and Valet Switch

To enter Valet mode, press Buttons I & III simultaneously for ½ Second or insert the key into the ignition and tuned the ignition on and off five times within 10 seconds. In Valet mode, the system will only activate Locks, Trunk, and the Auxiliary only. To exit Valet Mode press Button I & III simultaneously for ½ Second.

9. Shock Sensor

Dual Stage Shock Sensor will activate 30 Sec. after the system is Armed (Locked). When 1st stage is triggered the siren will chirp 4 times and Remote-pager will receive a notification of the violation.(Vibration Icon will appear) When 2nd stage is triggered the siren will activate and Remote-pager will receive a notification of the violation.(Hammer will appear)

10. Timer Mode

To enter the Timer Mode press Buttons II & IV simultaneously for ½ Second. The system will start every 1.5 Hrs. till Timer Mode is deactivated and automatically canceled if the vehicle is started with the Key or Remotely. To Exit Timer Mode press Button II & IV simultaneously for ½ Second again.

11. 2nd Car Mode

System is able to operate 2nd vehicle. Press Buttons III & IV simultaneously for ½ Second. Feature may be different for 2nd vehicle regards to options. To Exit 2nd Car press Button III & IV simultaneously again. (Consult your Authorized Dealer)

12. Transmitter Learning Procedure

Your transmitter has been programmed at the factory. However, if you replace or add additional Remote-pager, follow this procedure.

Steps 1: Put the system in Valet mode with key: Ignition On and Off Five times with key within 10 seconds. The parking light will flash once.

Step 2: Within 6 seconds, press any button for a half-second.

Step3: The parking light will flash twice to confirm **Step 2.**

Step 4: Program 2nd transmitter or 3rd transmitter by pressing any button. The system will program up to 3 transmitters. The parking light will flash once to confirm **Step 3.**

13. Programming Options with Transmitter

Each unit comes with factory setting. If you want to change any of those settings, follow this procedure.

Step one: Press Buttons I+II simultaneously for 2 seconds to change any of the **Option #1** options or Press Buttons I+III simultaneously for 2 seconds to change any of the **Option #2** options. Confirmed by chirp and parking light - one time.

Step two: Within 2 seconds press Button IV for the same number of time as the option number you wish to change.   Confirmed by chirp and parking light - same number of time of the option number.

Step three: Press Button I a ½ second to change to the factory setting - confirmed by chirp and parking light by one time. Press Button II a ½ second to change to the option setting - confirmed by chirp and parking light by two times. If you hear one second chirp, it means the unit did not receive any signal in this step – repeat **Step one** again.

Option #1: Option Programming (Press I and II simultaneously for 2 seconds)

No	Options	Factory Setting	Option Setting
1.	Factory Arm/Disarm/Rearm with Transmitter Copier	No	Yes
2.	The duration of Lock/Unlock pulse	0.5 sec	2.5 sec
3.	Extended Cranking Time by .2 sec	No	Yes
4.	Safety Unlock (Lock/Unlock/Unlock)	No	Yes
5.	Double Pulse Unlock	No	Yes
6.	Passive Arming	No	Yes
7.	Passive Locking	No	Yes
8.	Disarm with Trunk Unlock	Yes	No
9.	Duration of the Siren Output	60 sec	30 sec
10.	Factory Rearm with Dome-light	No	Yes

Option #2: Option Programming (Press I and III simultaneously for 2 seconds)

No	Options	Factory Setting	Option Setting
1.	Harness #1, #5 Wire	Ignition	2nd Starter
2.	Aux 1 Output	.5 sec	See Note 1
3.	Aux 2 Output	.5 sec	See Note 2
4.	Ignition Lock	No	Yes
5.	Siren	Activation	Deactivation

Note 1: Aux 1 continues output until Button II is pressed for 1/2 sec. again or Key On whichever comes first.

Note 2: Aux 2 continues output until Button III is pressed for 1/2 sec. again or Key On whichever comes first.

14. Option Resetting: To Reset to the factory default settings.

Step 1: Press Buttons I+II simultaneously or I+III simultaneously for 2 seconds. Confirmed by chirp and parking light - one time.

Step 2: Press Button III three times. Confirmed by chirps and parking lights - three times.

15. 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 AHY AND ALL WARRANTY OF NON-INFRINGEMENT OF PATENTS, IN THE UNITED STATES OF ANERICA 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 ECOMONIC OPPORTUNITY AND THE LIKE. NOTHWITHSTANDING 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.

<u>16. Registration Card</u>

<u>Name</u>_____

<u>Address</u>_____

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?_____

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