

AUTO SECURITY COMPUSTAR PRO

1W900FMR – PRO USER'S GUIDE



BUTTON FUNCTIONS

If you purchase a Starter or Alarm only system then you will not have all the functions listed below. An Alarm/Starter Combo system will have all of the functions listed below depending on vehicle.

Button	0.5 sec	2.5 sec	3.5 sec
	Locks and Arm		Lock then Panic (*8)
	Unlocks and Disarm		
	Aux 1	Trunk Release (*7)	
	Aux 2	Remote Start On/Off	
	Siren On/Off	Option Programming Menu #1 – Installer Only	
	Valet Mode On/Off (*2)	Shock Sensor On/Off	
	Drive Lock On/Off (*3)	Option Programming Menu #2 – Installer Only	
	Passive Arming On/Off		
	Timer Start On/Off (*4)		
	Turbo Mode On/Off (*5)	Query to activate Secure Aux (*1)	

Some of the button functions above require additional programming by the installer. Here is a list of options that you may want to review before installation. These are features that may not be normally set up at the time of installation. Therefore, there may be an extra charge for these features and installation. Please consult your installer if you would like any of these features. Some of these features require extra installation. You can match the function from the above menu with the option of the below menu by finding the corresponding starred numbers. Example: Valet Mode Function (*2) matches Option 3-10 (*2).

Option Number	Feature	Setting				Applicable To		
		Default(I)	Optional(II)	Optional(III)	Optional(IV)	Alarm / Starter	Starter	Alarm
1-3	Driver's priority unlock	Off	On			V	V	V
1-6	Reservation Lock (Manual transmission)	Locks When Reservation Mode is Set	Does Not Lock When Reservation is Set	Reservation Sets 10 Seconds After the Last Door is Closed		V	V	

1-7 (*7)	Unlock / Disarm With Trunk Release	Unlock, Factory Disarm, and Trunk Release	Factory Disarm, Trunk Release Only	Trunk Release Only		V	V	V
1-8	Locking while in Passive Arming	Passive locking w/ Passive Arming	No Passive Locking w/ Passive Arming			V	V	V
1-9 (*3)	Ignition controlled door locks	Off	On	RPM Locks (Remote Start Only)		V	V	V
1-10	Auto Relock (If a door is not opened within this amount of time.)	Off	30 sec	60 sec	5 min	V	V	V
2-2 (*5)	Turbo mode.	Off	2 Min	1Min	4 Min	V	V	
2-5 (*4)	Cold Start with Thermistor Assembly	Off	On			V	V	
2-6 (*4)	Timer Start, or, Minimum Interval Between Cold Starts	3 Hour (4 minute runtime, double for Diesel)	1.5 Hour(4 minute runtime, double for Diesel)			V	V	
2-7	Remote Start Runtime	15 Min	25 Min	45 Min	3 Min	V	V	
2-8 (*4)	Temperature of Cold Starting	Off	-10° C / 14° F	-5° C / 23° F	0° C / 32° F	V	V	
2-9 (*4)	Temperature of Hot Starting	Off	30° C / 86° F	35° C / 95° F	40° C / 104° F	V	V	
2-11 (*6)	Turbo, Remote Start Runtime Extension w/ #1 for 2 seconds	No	Yes			V	V	
3-1	Parking lights While Remote Started	Constant Output	Flashing Output	Off		V	V	
3-4	Starter-Kill relay.	Anti-Grind	Anti-Grind + Starter Kill	Anti-Grind + Passive Starter Kill		V	V	
3-5 (*8)	Anti-Jacking	Starter-kill	Ignition-Kill (no Anti-Grind)			V		V
3-6	Factory Alarm Option	Off	On (Starter Only)				V	
3-7	Siren Duration (Upon Alarm Trigger)	30 sec	60 sec	120 Sec	Chirps for 20 seconds	V		V
3-8	Horn Output	On Double Lock Only	On Lock and Unlock	On Lock, Unlock, and Start	On Double Lock and Start		V	
3-10 (*2)	Valet	Key 5 times, or Remote (I+III) while Ignition is On	Key 5 times or Remote (I+III)	Secure Valet(Default code 3,3)		V	V	V
4-5 (*1)	Secure Aux Output (1 and 2 Only)	On	Off			V	V	V



Lock Button (0.5 Sec.) – Tapping this button for a split second will lock/arm your CompuStar system. Your parking lights will flash once when you tap this button.



Lock Button (3.5 Sec.) – This button activates the panic mode on your system when held down for 3.5 seconds. Holding down the Lock button for 3.5 seconds will panic the siren. You can turn panic mode off by tapping the Unlock button. This Panic mode will also activate the Anti-Jack mode. The Anti-Jack mode will require additional installation. See Anti-Jacking under Additional Features below.



Unlock Button (0.5 Sec.) – Tapping this button for a split second will lock/arm your CompuStar system. Your parking lights will flash twice when you tap this button.



Trunk Button (0.5 Sec.) - Tapping the Trunk button activates Aux 1. These can be used to activate side doors, window modules, etc. By default, the Key button can only be activated as Secure Aux to prevent accident activation. Click IV before you activate the Trunk button. This can be changed – ask your installer. You may want to keep Secure Aux if you connect Aux to open side doors.



Trunk Button (2.5 Sec.) – When you hold the Trunk button for 2.5 seconds you can release your trunk. By default when you release the trunk the CompuStar will also disarm and unlock the doors.



Key Button (0.5 Sec.) - Tapping the Key button activates Aux 2. These can be used to activate side doors, window modules, etc. By default, the Key button can only be activated as Secure Aux to prevent accident activation. Click IV before you activate the Key button. This can be changed – ask your installer. You may want to keep Secure Aux if you connect Aux to open side doors.



Key Button (2.5 Sec.) – Holding the Key Button for 2.5 seconds activates the remote start feature on your system. The vehicle will flash the parking lights once. Once the vehicle is remote started then the parking lights will come on solid. You have the option of having your parking lights flash during remote start. Holding the Key Button again for 2.5 seconds while your vehicle is remote started will deactivate the remote start and flash the parking lights twice.



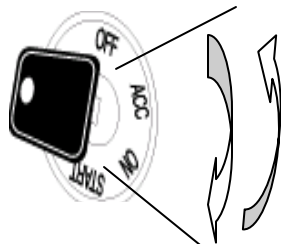
Lock Button + Unlock Button (0.5 Sec.) – Siren On/Off – Tapping these two buttons at the same time will mute the siren chirps during arm/lock and disarm/unlock. This feature will also mute the siren when the siren is set to 20 chirp silent siren. Your parking lights will flash once when you tap this button to turn this feature off and twice to turn this feature on.

Valet Mode - There are three different ways to enter Valet mode.



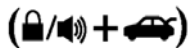
1) Lock and Trunk Buttons together for a half second while the vehicle's ignition is on. Your installer can change these settings so that you do not have to turn ignition on. Your parking lights will flash once when you tap these buttons to turn this feature on and twice to turn this feature off.

2) Ignition On and Off for 5 times with key



3) Secure Valet – Consult your installer for this feature. If your installer turns on Secure Valet option, you can put the system into Valet mode with the valet/LED button by following steps 3-5 below. You can change the valet code numbers as follows:

1. Your installer must program Option 3-10 to Setting 3.
2. Turn key to the ignition on position.
3. Hold down valet switch for 1.5 seconds. LED on switch will begin to flash rapidly.
4. Tap the button on the switch to enter first number of 2-digit code. LED will flash the first number slowly.
5. Once the LED begins flashing rapidly tap the button on the switch to enter the second number.
6. Turn ignition off and Valet Switch is now programmed.
7. To enter valet mode follow steps 3 to 5



Lock + Trunk Button (2.5 Sec.) – When you hold these two buttons together for 2.5 seconds you can disable your shock sensor. Your parking lights will flash once when you tap these buttons to turn this feature on and twice to turn this feature off. This also disables any other added sensors such as radar, proximity or tilt sensors.

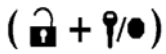


Lock + Key Button (0.5 Sec.) – Drive Lock On/Off – Tapping the Lock and Key Buttons at the same time will turn on the “Drive Lock” feature on your system. Your parking lights will flash once when you tap these buttons to turn this feature on and twice to turn this feature off.

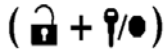
Your CompuStar dealer must also set this option in the option menu. This feature locks your vehicle when you turn the ignition on and press the foot brake or accelerate. The CompuStar will unlock your vehicle when you turn the key off or set the emergency brake. (manual transmissions only)



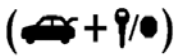
Unlock + Trunk Button (0.5 Sec.) – Passive Arming On/Off – Tapping the Unlock and Trunk Buttons at the same time turns Passive mode on. Your parking lights will flash once when you tap these buttons to turn this feature on and twice to turn this feature off. With Passive mode on, your vehicle will lock and arm 30 seconds after the door is opened and closed. The parking lights will flash and/or siren will chirp every 10 seconds up to 30.



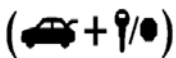
Unlock + Key Button (0.5 Sec.) – Timer Start On/Off – By activating this feature, you turn on the time start or hot/cold starting. Your parking lights will flash once when you tap these buttons to turn this feature on and twice to turn this feature off. This must be set after you close the vehicle door. If you remote start or start the vehicle with the key then it cancels this mode. Consult your installer.



Timer Start – Your installer can give you 2 choices – 1.5 or 3 hours. Example: If your installer programs 3 hours and you turn on this option with Unlock + Key Button, your car will start every 3 hours for 4 minutes until cancelled by turning the Timer Start off.



Trunk + Key Button (0.5 Sec.) - Turbo Mode On/Off – By tapping the Trunk and Key buttons simultaneously you activate Turbo Mode. Your parking lights will flash once when you tap these buttons to turn this feature on and twice to turn this feature off. By activating this function you can run your vehicle for 1, 2 or 4 minutes after you set your emergency brake. You must manually arm your CompuStar once you shut your door. This feature and run time must be programmed by your CompuStar dealer.



Trunk + Key Button (2.5 Sec.) - Query - Holding this button down for 2.5 seconds will initiate the Query function on your system. This is used to activate Secure Aux on your system. You cannot accidentally activate Aux 1 or Aux 2 unless you Query your system first.

DIAGNOSTIC MESSAGES

1. Whenever the system fails to remote start, the vehicle provides you with diagnostic error messages: # of times parking lights flash. The vehicle will first flash the parking lights 3 times followed by the remote start error.

Number of Parking Light Flashes	Remote Start Error
1	Motor running
2	Key in ignition on position
3	Door open (manual transmission only)
4	Trunk open
5	Foot brake on
6	Hood open
7	Reservation off (manual transmission only)
8	No tach signal or voltage sensing failure (please see your CompuStar installer)

2. When the vehicle is disarmed, siren chirp will indicate which zone has been triggered while armed:

a) Parking Light & Chirps 4 times - Optional Sensor Triggered	b) 5 Times – Shock Sensor triggered
c) 6 Times: Door, Hood, or Trunk was triggered	

3. When armed, the LED will blink slowly. While siren is going off, however, the LED will indicate what caused the alarm triggered.

Priority	Situation	LED On Duty
1	Door/Hood/Trunk/Key Triggered	2 flash, rest, then repeat
2	2 nd Shock Triggered	3 flash, rest, then repeat
3	2 nd Auxiliary Triggered	4 flash, rest, then repeat
4	Panic	5 flash, rest, then repeat

MANUAL TRANSMISSION VEHICLES

To use the remote-start function on a manual transmission vehicle, you must first set Reservation Mode. Reservation mode sets the vehicle up to safely start the next time you use the remote-start. To set Reservation Mode, follow these steps:

1. Completely stop the vehicle and put it in NEUTRAL.
2. Set the emergency brake and remove your foot from the foot brake.
3. A few seconds later you should hear a "click".
4. Turn the key off and remove it from the ignition. The vehicle will stay running.
5. Exit the vehicle and close the door.
6. The vehicle will shut off, the system will arm, and the doors will lock.

Reservation Mode has now been set. The following actions will cancel Reservation Mode; opening the hood, doors, or trunk, turning on the ignition, releasing the emergency brake, turning on the ignition, or triggering the alarm. If reservation mode is cancelled, you will need to get in the vehicle and repeat the setup process.

ADDITIONAL FEATURES

A. Reservation Lock (Manual Transmission Only)

With this option on and when setting up your vehicle for remote start, the vehicle would shut down and arm once all the doors are closed. This option sets reservation 10 seconds after all the doors on your vehicle are closed. You are given 10 seconds to open another door to retrieve groceries or a child in the back seat.

B. Auto Relock (This differs from Auto Mode as it is available on all CompuStar systems)

This setting monitors the system and automatically relocks/rearms your CompuStar if the doors have not been open and system accidentally disarmed. Auto relock is also useful if you disarm your system and have to go back inside but forget to rearm. You have the option of waiting 30 sec., 60 sec. or 5 minutes before your system will relock/rearm.

C. Remote Start Runtime

The runtime must be set by your CompuStar dealer. You have the option of having your vehicle run for 3 minutes, 15 minutes, 25 minutes, or 45 minutes. Your vehicle will run for the set time but you can also reset the run time.

D. Dome Light Supervision

Additional installation may be required for this feature. With this feature on you have dome light illumination for 45 seconds. The dome light will only come on upon disarm of your CompuStar.

E. Starter Kill

Additional installation may be required for this feature. This feature disables the vehicle when the CompuStar is armed and alarm triggered. When starter kill is enabled you are unable to start the vehicle with the key.

F. Anti Grind

Additional installation may be required for this feature. When you remote start your vehicle and disarm and enter you must put the vehicle's key in the ignition and turn it forward. When you turn the key forward there is a chance of overturning the starter. With anti-grind installed then you cannot over grind your starter on your vehicle.

G. Anti-Jacking

Additional installation may be required for this feature. This feature prevents a thief from stealing your car once they drive off. In the event that you are car jacked and have your CompuStar remote in hand you just panic the system. After 30 seconds of panic your vehicle will shut off and the thief will not be able to restart.

H. Dual Stage Shock Sensor (Only Available on Alarm and Alarm/Starter Systems)

When your alarm is armed this sensor will register light and heavy impact to your vehicle. When light impact is detected, your siren will chirp four times as a warn away alert. When heavy impact is detected, your siren will sound for 30 or 60 seconds depending on setting by your installer. Please allow at least 30 seconds after arming your system for the shock sensor to fully activate.

I. Factory Alarm Option (Only Available on Starter Only Systems)

Additional installation may be required for this feature. With the factory alarm option set it turns your starter only system into basic alarm. With the system armed/locked and you open a door the parking lights will be flashing and horn on your vehicle will honk.

SAFETY INFORMATION

Please take these safety precautions under the following conditions:

1. Servicing the vehicle

When servicing (i.e. changing the oil, washing your car) your vehicle, the CompuStar system should be placed 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 has been installed improperly, the vehicle may start when the Circle button is held down for 2.5 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 the CompuStar system, please put the vehicle in Valet Mode. This will prevent the vehicle loaner from accidentally activating the CompuStar auto-security system.

3. For manual transmission vehicles

If the CompuStar 2WSH-LED is installed in a manual transmission vehicle, extra precautions should be taken as the system does not monitor the gear placement.

Important!

Under normal circumstances, Reservation Mode is cancelled when a door or rear hatch opens. Please verify that the opening of any door or rear hatch cancels Reservation Mode. If any of the doors or rear hatch are not monitored by the CompuStar due to improper installation or a faulty door or 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.

LIMITED LIFETIME CONSUMER 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., 21911 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.

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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, LLC. or complete the registration online at www.compustar.com, within 10 days after purchase to the address listed on the registration card.



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