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USER'S GUIDE

Applicable to the following remote(s)

All 5P - 2 way, 4 button Liquid Crystal Display Remote

Remote	FCC ID Number (US Only)	IC ID Number (International Only)
2WSHLCD -5P	O44JMR5100	3767B-MR5100
2WSSR-PRO	O44JMR600SS	N/A
NU4500R	VA5JR702F433	7087A-R702F433
2WSHLCDR-703	VA5JR703A433	7087A-R703A433
2WSS-9000	VAJR561WSS	7087AR561WSS

This device complies with Part 15 of the FCC rules. Operation is subject to the following conditions;
(1) This device may not cause harmful interference.
(2) This device may 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.

Statement : The term "IC:" before the radio certification number only signifies that Industry Canada technical specifications were met.

CAUTION : The User that modifications to the unit may void the user's authority to operate the unit

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Manual de Usuario

Aplicable al remoto (s siguiente)

Todos los 5P - 2 Vias, Remotos de 4 Botones Pantalla Cristal Liquido

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2WSS-9000	VAJR561WSS	7087AR561WSS

Este dispositivo está sujeto a la sección 15 de las reglas de FCC. El funcionamiento está sujeto a las siguientes condiciones;
(1)este dispositivo no puede causar interferencia dañosa.
(2)este dispositivo puede aceptar cualquier interferencia recibida, incluso interferencia que pueda causar mal funcionamiento al equipo.

CUATELA: Cambios ó modificaciones no expresamente aprobadas por la parte responsable del cumplimiento de la norma, pueden anular la autorización del usuario para operar este dispositivo.
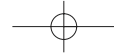
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Introduction

Thank you for purchasing a Firstech system for your vehicle. In order to truly enjoy the benefits of this system, we recommend that you thoroughly rev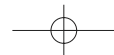iew the following manual. Please note that this manual applies to the 2 Way - 4 Button Liquid Crystal Display Remotes, regardless of whether you purchased the alarm only, starter only or alarm/starter combination. This manual also supports your 1 Way Fiancé remotes that may be included with your system. There are certain features listed in this manual that may not be available for your system. There may also be features listed in this manual that require additional installation or programming before they are active. If you have any questions, please contact the original place of purchase. For further information you may also contact our customer support center by calling 888-820-3690.

Warranty Coverage

⚠ Caution: The Manufacture's warranty will be voided if this product is installed by anyone other than an authorized Firstech dealer. For complete warranty details visit www.compustar.com or the last page of this manual. Firstech remotes carry a 1 year warranty from original date of purchase.

Warranty registration can be completed online by visiting www.compustar.com. Please complete the registration form within 10 days of purchase. We do not include a mail in warranty registration card with each unit - registration must be done online. To verify that an authorized dealer installed your system, we highly recommend that you keep a copy of the original proof of purchase, such as the dealer invoice in a safe place.

Quick Reference

Valet Mode

When servicing or loaning your vehicle to others, the system should be placed in Valet Mode. Valet Mode prevents the system from remote starting and disables all alarm functions.
IMPORTANT: While in Valet mode the remote will still control power lock and unlock systems. The parking lights will not flash.

The system can be put into valet one of three ways:

ZZ Zz 1. Turn the vehicle's key to the ignition "on" position and tap buttons (I + III) simultaneously for 0.5 second. The parking lights will flash once and the LCD will display Z's above the vehicle image to confirm the system is in valet mode. Repeat this process to take the system out of valet mode. The parking lights will flash twice and Z's will disappear to confirm the system is out of valet mode.

2. If you do not have your remote control, you can put the system into valet by turning the ignition key "on" and then "off" five times within 7 seconds. The parking lights will flash once to confirm the system is in valet mode. Shortly after the first flash, the parking lights will flash twice. A remote control is required to take the system out of valet mode.

3. If your system is set up for a secure valet option (optional), you will not be able to put the system into valet until the proper code has been entered to the secure valet switch. The secure valet switch is the small button with bright blue LED on the front and if installed is the only way to override the alarm and/or remote start. **Until programmed, the default code is (3, 3).**

Quick Reference

Remote Maintenance—Battery Replacement

The only regular maintenance this system requires is remote control battery replacement. No programming is required when replacing the battery.

Two Way Remotes:
First, release the battery cover lock located on the back of the remote. Once the lock is released, gently slide the battery cover off to expose the battery. With the exception of the 2WSSR-PRO (Uses 1 AA battery) all Firstech 2 Way remotes require one AAA battery.
IMPORTANT: Be sure to observe correct polarity when installing the battery.

One Way Remotes:
First, remove the small Phillips screw located on the back of the remote. Once the screw has been removed, gently pull the remote apart taking care to not damage the circuit board. 1 Way remote batteries differ among the models. Your battery size should be listed on the battery. Replacements can be purchased from your local Firstech dealer or an electronics store.

Programming the Clock (LCD Remote Only)

STEP 1: Enter remote programming mode by holding down buttons (II + III) for 2.5 seconds. The remote will beep once and the LCD will read "Prog" to indicate that you have successfully entered programming mode.

STEP 2 (Pro Remotes): After entering programming mode the time icon will flash indicating to set the time. Adjust the time settings by tapping button (I) to change the hour and tapping button (II) to adjust the minutes.

STEP 2 (Non Pro Remotes): After entering programming mode tap button (I) and the time icon will flash to set the time. Adjust the time settings by tapping button (I) to change the hour and tapping button (II) to adjust the minutes.

STEP 3: Once the desired time has been set, exit remote programming by holding down buttons (II + III) for 2.5 seconds. The remote will beep three times indicating that you have successfully exited programming mode.

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Quick Reference

2 Way Remote Button Functions

| Button	Duration	Additional Programming Required	Function / Description
I	0.5 seconds	no	Locks doors and/or arms alarm. Tap again to unlock door and / or alarm.
	2.5 seconds	yes	Run time extender. Resets remote start and turbo run time while vehicle is remote started
II	0.5 seconds	no	Aux 1. Triggers the auxiliary 1 output (most commonly used for rear defrost or window roll-down)
	2.5 seconds	no	Activates the remote start. Repeat and remote start will shut off
III	0.5 seconds	no	Aux 2. Triggers the auxiliary 2 output (most commonly used for rear defrost or window roll-down)
	2.5 seconds	no	Trunk pop. Triggers the trunk release output and opens the vehicle's trunk
	double tap	no	**Pro Remotes Only** : Turns on the CompuGLO backlight
IV	0.5 seconds	no	Car Check (updates vehicle status on remote pager) / Secure Auxiliary / Temperature Display / Vehicle Voltage Display
	2.5 seconds	no	Panic/vehicle locater (flashes vehicle's parking lights and sounds siren and horn) **Pro Remotes Only** : Locks buttons and displays "Hold" on screen.
	4 seconds	no	**Pro Remotes Only** : Panic / vehicle locater (flashes vehicle's parking lights and sounds siren and horn)
I + II	0.5 seconds	no	Turns siren chirps on/off (Note: With the siren chirps off, it will still sound in the event the alarm is triggered)
	2.5 seconds	no	Option programming menu 1. For use during installation
I + III	0.5 seconds	no	Valet mode (see page 8 for details)
	2.5 seconds	no	Turns the shock sensor on/off (Alarm or Alarm / Starter system only)

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Quick Reference

2 Way Remote Button Functions

Button	Duration	Additional Programming Required	Function / Description
I + IV	0.5 seconds	yes	Drive lock. Activates ignition controlled door locks
	2.5 seconds	no	Option programming menu 2. For use during installation
II + III	0.5 seconds	no	Activates passive arming (vehicle will arm/lock 30 seconds after the vehicle is disarmed)
	2.5 seconds	no	Accesses remote option programming (clock, reservation time start, vibrate mode, and RPS on/off)
II + IV	0.5 seconds	yes	Activates timer start mode. Timer start mode has multiple programmable settings: duration settings, temperature settings and self start settings.
III + IV	0.5 seconds	yes	Activates Turbo timer mode.
	2.5 seconds	yes	Activates the 2nd Car function

Quick Reference

1 Way Remote Button Functions

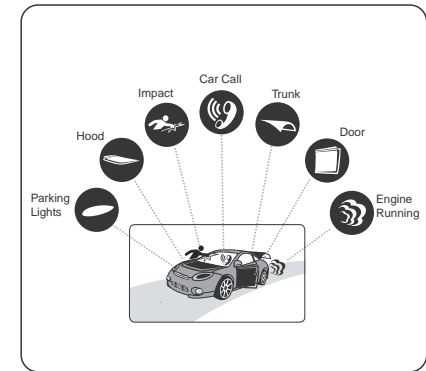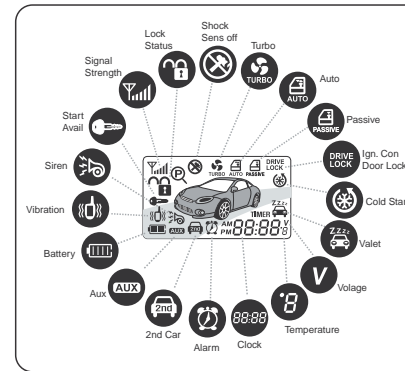| Button	Duration	Additional Programming Required	Function / Description
🔒/📢	0.5 seconds	no	Locks doors and / or arms alarm.
	3.5 seconds	no	Panic/vehicle locater (flashes vehicle's parking lights and sounds siren and horn)
🔓	0.5 seconds	no	Unlocks doors and / or disarms alarm.
🚗	0.5 seconds	no	Aux 1. Triggers the auxiliary 1 output (most commonly used for rear defrost or window roll-down)
	2.5 seconds	no	Trunk release. Triggers the trunk release output and opens the vehicle's trunk.
🔑/●	0.5 seconds	no	Aux 2. Triggers the auxiliary 2 output (most commonly used for rear defrost or window roll-down)
	2.5 seconds	no	Activates the remote start. Repeat and remote start will shut off
(🔒/📢 + 🔒)	0.5 seconds	no	Turns siren on/off (Note: With the siren off, it will still sound in the event the alarm is triggered)
	2.5 seconds	no	Option programming menu 1 - Installers Only
(🔒/📢 + 🚗)	0.5 seconds	no	Valet mode (see Valet Mode section for details)
	2.5 seconds	no	Turns the shock sensor on/off. (Alarm or alarm / Starter systems only)

Quick Reference

1 Way Remote Button Functions

Button	Duration	Additional Programming Required	Function / Description
(🔒/◀ + 🔑/●)	0.5 seconds	yes	Drive lock. Activates ignition controlled door locks.
	2.5 seconds	no	Option programming menu 2 - Installers Only
(🔒 + 🚗)	0.5 seconds	no	Activates passive arming (vehicle will arm/lock 30 seconds after the vehicle is disarmed)
(🔒 + 🔑/●)	0.5 seconds	yes	Activates timer start mode. Timer start mode has multiple programmable settings: duration settings, temperature settings and self start settings
(🚗 + 🔑/●)	0.5 seconds	yes	Activates the built-in Turbo timer function. Additional installation is required when using this feature on automatic transmission in vehicle's
	2.5 seconds	no	Car Check (updates vehicle status on remote pager) / Secure Auxiliary

If you would like additional information on the functionality of your 1way companion remote, please visit the support page at www.compustar.com to download the full user manual.

Remote LCD(liquid crystal display) Diagram and icons

Your remote pager will indicate the status of your vehicle while in range. The unique LCD design will visually display such icons as lock/unlock status, remote start confirmation and remaining run-time, impact/shock notification, battery voltage, temperature display and much more.

Remote LCD(liquid crystal display) Diagram and icons

Common Icons

	Lock/Arm - Unlock/Disarm This icon indicates whether the system is locked/armed or unlocked/disarmed. While armed, the system will monitor the doors, trunk, hood, shock sensor, and aux inputs. If any of these inputs are triggered while the system is armed, the alarm will be triggered.
	Trunk Release This icon will be displayed when the trunk release function has been activated. By default, the system will be disarmed and the doors will unlock before the trunk is released.
	Signal Strength This icon is displayed if the last communication to the vehicle was successful.
	Valet Mode This icon will be displayed while you are in Valet mode. While in valet mode, the system will not perform any functions other than lock and unlock. The alarm will not arm or disarm while locking or unlocking. If any other function is attempted, "Sleep" will be displayed. The system will not monitor the alarm triggers while in Valet mode.
	Battery Indicator This icon displays the remaining battery life left in 25% increments.
	Car Call This icon will be displayed while someone is attempting to contact you using the RPS sensor. To trigger the RPS sensor, you must knock on the windshield where the sensor is located. Something that creates a higher pitch, like a key, is better suited to trigger the RPS.

Remote LCD(liquid crystal display) Diagram and icons

Starter Icons

	Engine Running This icon will be displayed while the vehicle is running after it has been remote started.
	Start Availability This icon will be displayed when the vehicle is ready to be remote-started. If this icon is not displayed, you will not be able to remote-start the vehicle.
TIMER	**Timer Mode** This icon will be displayed when Timer mode is active. Timer mode can be set up to start the vehicle every 1.5, 3, or once very 24hours
	Cold / Hot Start This icon will be displayed if Cold Start mode is currently active. Cold Start mode will start the vehicle if the vehicle reaches a preset hot or cold temperature. These temperatures can be adjusted by the installer.

Starter Icons

	Siren This icon will be displayed if the siren is turned on. Turning the siren off only applies to the chirps when arming, disarming, or remote-starting. The siren will still sound if the alarm is triggered.
	Hood This icon will be displayed if the hood is opened while the system is armed. The remote will beep rapidly while displaying this icon. This means that the alarm was triggered. If this icon appears while trying to remote-start the vehicle, it means that the vehicle will not start because the hood is open.

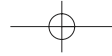|	
Impact	This icon will be displayed if an impact to the vehicle is detected while the system is armed. The remote will beep rapidly while displaying this icon if the impact is hard; this means that the alarm was triggered. If it beeps slowly while displaying this icon, that means that the impact was soft and that the alarm simply gave four warning chirps.
Door	This icon will be displayed if the door is opened while the system is armed. The remote will beep rapidly while displaying this icon. This means that the alarm was triggered. If this icon appears while trying to remote-start the vehicle, it means that the vehicle will not start because the door is open.
Trunk	This icon will be displayed if the trunk is opened while the system is armed. The remote will beep rapidly while displaying this icon. This means that the alarm was triggered. If this icon appears while trying to remote-start the vehicle, it means that the vehicle will not start because the trunk is open.
Car Call	This icon will be displayed while someone is attempting to contact you using the RPS sensor. To trigger the RPS sensor, you must knock on the windshield where the sensor is located. Something that creates a higher pitch, like a key, is better suited to trigger the RPS.

Advanced Icons

PASSIVE	**Passive Mode** This icon will be displayed if Passive mode is currently active. Passive mode will automatically arm the system 30 seconds after the last door is closed or 30 seconds after the system was disarmed if no door was opened. This mode is ignored while the ignition is on with the key.
DRIVE LOCK	**Drive Lock** This icon will be displayed if Drive Lock mode is currently active. Drive Lock mode will lock the doors automatically if the ignition is on and the brake is pressed or if the ignition is on and the engine exceeds the idle RPM multiplied by 2, depending on the options set by the installer. The doors will be unlocked when the ignition is turned off. In a manual transmission vehicle the doors will unlock when the emergency brake is set.

TURBO	**Turbo Mode** This icon will be displayed if Turbo mode is currently active. While Turbo mode is active, the vehicle will remain running for a preset time after the emergency brake has been set and the key has been removed from the ignition.
2nd	**2nd Car Mode** This will be displayed while you are in 2nd Car mode. 2nd Car mode allows you to control another vehicle with the same system installed in it. The remote needs to be coded to the other vehicle in 2nd Car mode for this feature to work.
	Vibration This icon will be displayed if the remote is set to vibrate only. While the remote is set to vibrate only the remote will not beep, even if the alarm is triggered. The remote will still vibrate in this mode.
	Alarm Clock This icon will be displayed if the Alarm Clock function is turned on. When the clock reaches the preset time, the remote will beep and flash the alarm clock icon. Press button IV for 0.5 sec. to silence the remote.
	Shock Sensor Bypassed This icon will be displayed when the shock sensor is bypassed by pressing buttons I+III for 2.5 sec. Impact to the vehicle will not be detected at this time. This icon is always displayed on starter only systems because there is no shock sensor.
AUX	**Aux Mode** (Alarm or alarm/starter systems only) This icon will be displayed while you are in Aux mode. During this time, you can activate auxiliary outputs 1 or 2 by pressing button II or III. Aux outputs can be used to activate various systems or functions in a vehicle.
V	**Voltage** This icon will be displayed while the remote is reporting the voltage of the vehicle or remote battery.
8	**Temperature** This icon will be displayed while the remote is reporting the temperature of the vehicle.

General System Functions

The remote transmitter functions have been predetermined and programmed from the factory. The four button configuration allows for many functions to be performed through a series of tapping, holding and / or multiple presses of buttons.

Sending Commands
When in range, and a command has been sent, the remote pager backlight will illuminate, the remote will beep and the appropriate icon will be displayed. For example, to send a remote start command from the pager, hold down button (II) for 2.5 seconds. The backlight will illuminate and the remote will beep once to confirm the command has been sent and that the remote is in range. Once the vehicle has successfully remote started, the remote will receive a command indicating the vehicle is running.
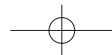
Receiving Commands
The remote pager will receive commands indicating the status of the vehicle, confirmation of sending commands and alarm notifications. For example, after sending the lock command, the pager will be updated with the lock icon to confirm the vehicle has been successfully locked/armed. To see if your pager is in range, tap button (IV) for half second - if the pager backlight illuminates and beeps, the pager is in range.

Active Lock / Arm and Unlock / Disarm

Tap button (I) for 0.5 seconds to lock/arm and unlock/disarm. If your vehicle is locked, tap button (I) to unlock; if your vehicle is unlocked, tap button (I) to lock. If equipped this will also activate your starter kill and anti grind feature. You will not be able to start your vehicle with the key until unlock/disarm.

IMPORTANT: If the alarm has been triggered (Siren is going off), you must wait until the remote pager has been paged before disarming the alarm - the first button tap will shut off the alarm and the second will unlock/disarm the system.

General System Functions

Passive Lock / Arm

The system can be configured to passively lock and arm the vehicle. Put the system in passive by tapping buttons (II+III) simultaneously for 0.5 seconds. The remote will beep once and the passive icon will illuminate to indicate the system is in passive lock and arming mode.

While in passive mode, the system will lock and arm the alarm 30 seconds after the last door is closed. As an indicator that the vehicle is going to passively lock and arm, the remote and siren will chirp once and the parking lights will flash once at both 10 and 20 seconds prior to passively locking and arming. If you want the system to passively arm and not passively lock, ask your local Firstech dealer to turn Option 1-8 to setting II.

Automatic Transmission Remote start Function

Press button (II) for 2.5 seconds to remote start an automatic transmission vehicle. If you are in range and if the vehicle is ready to remote start, the remote will beep once and the CompuGLO backlight will light up to indicate that the remote start command has been successfully transmitted.

If you are in range and the remote beeps three times, there is a remote start error. Refer to the "remote start error diagnostic" on the last page of this manual for details.

Upon receiving confirmation that your vehicle is running, the LCD will flash the exhaust icon and the clock icon will begin to show the amount of run-time remaining. The remote start run-time can be programmed for 3, 15, 25 or 45 minutes - ask your local CompuStar dealer to adjust Option 2-7 if you would like a run-time other than 15 minutes (default).

IMPORTANT : Your vehicle's key must be inserted into the ignition and turned to the "on" position prior to driving your vehicle. If the foot brake is depressed prior to the key being in the "on" position, the vehicle will shut off.