



FIRSTTECH 2WQ9R-FM 2-Way Remote Control User Guide

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FIRSTTECH 2WQ9R-FM 2-Way Remote Control



Introduction

Thank you! For purchasing a Firstech system for your vehicle. Please take a minute to review this entire manual. Note that this manual applies to the 2 Way 5 Button Liquid Crystal Display Remote 2WQ9 whether you purchased the ALARM IT, START IT, or MAX IT 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 or concerns, please contact the original place of purchase. For further information you may also contact client services at 888-820-3690.

Warranty Coverage

Caution: The Manufacturer'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. Compustar Pro 2WQ9R-FMX remote carries a 1-year warranty.

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.

Remote Basics

Remote programming procedure

The Firstech Control Module (CM) installed in your vehicle will support up to 4 remotes at a time.

NOTE: Once all 4 remote banks are programmed each new remote that is programmed will delete a previously programmed remote **IMPORTANT:** All remotes must be coded to the control module prior to performing all operations

Remote programming procedure for Standard Key start vehicle:

- **STEP 1:** Activate programming mode by manually turning the vehicle's key between the Ignition on and off (or the Acc & On positions) five times within 10 seconds. The vehicle's parking lights will flash once with the

successful completion of this step.




- **STEP 2:** Within a 10 second period after the 5th ignition cycle tap (a quick 0.5 second press and release) the Lock button on the Firstech remote. The parking lights will flash once to confirm the transmitter has been coded. Repeat step 2 for each additional remote, up to 4. Note: if you only have 2 remotes, please program each remote twice.
- **NOTE:** If no valid remotes are programmed the CM will enter valet mode.
- vehicle parking lights may flash twice signaling the end of programming mode.
- Remote programming procedure: PTS (Push to Start vehicles) application:
- **STEP 1:** Set the vehicle to the ignition or "ON" position
- **STEP 2:** Within 5 seconds push to the "OFF" position
- **STEP 3:** Within 5 seconds set the vehicle to the ignition or "ON" position (do not start)
- **STEP 4:** Within 5 seconds depress and release the foot brake 3 times *parking lights will flash 1 time to indicate remote programming is enabled
- **STEP 5:** Tap (a quick 0.5 second press and release) the lock button on the remote * the parking lights will flash 1 time indicating the remote code has been accepted (Repeat step 5 for each additional remote, up to 4
- **STEP 6:** After 10 seconds of no valid remote codes being transmitted the CM will automatically exit programming mode
- **NOTE:** If no valid remotes are programmed the CM will enter valet mode.
- parking lights will flash twice signaling the end of programming mode.

Battery Replacement

The 2WQ9R-SF uses a AAA battery that should have approx. 90 days of battery life before it should be changed. The battery indicator will show an estimated battery life and it will alert you when the battery is low on the remote.

Remote User Feature Settings:

2WQ9 User Feature Navigation Table

	Button action	1 tap .5 sec	Double tap	Hold for 2.5 sec
	Function	Select user feature	Enter user features	Exit user features
	Lock button	Move selection up	N/A	N/A
	Unlock button	Move selection down	N/A	N/A

2WQ9

There are 20 user features that can be accessed once you have entered the feature settings. The next few pages will discuss these features and how to access/activate options found within these features.

- To enter the user feature settings, you will double tap button on the side. (tap (tap = quick ½ second press and release)
- To navigate through the feature settings, you will tap the “lock” (up arrow button) or the “unlock” (down arrow button)
- To toggle, or select options you will tap the button one time
- To exit the feature settings, hold the button for 2.5 seconds

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:**

1. While holding the foot brake, cycle the key to the Ignition or ‘On’ position and then

back to the 'Off' position 5 times within 10 seconds. The parking lights will flash once indicating that the system has entered Valet Mode.

2. Go to the Ignition or 'On' position, then to the "off" position, then back "on". Press and release the foot brake of the vehicle 3 times. After a short period of time the vehicle parking lights should flash 1 time indicating it has entered "valet mode". Repeat this process to exit valet mode, and the parking lights will flash twice.
3. Turn the vehicle's key to the ignition "on" position, enter the user function settings (quick double tap the center button). Then, using the unlock button (or right arrow button) move through the features until the "Valet off" option is displayed. Tap the center button one time for ½ second to activate valet mode. The parking lights will flash once, the remote will read "Valet On". Repeat this process to exit valet mode. The parking lights will flash twice, remote read "Valet Off"

Alarm alerts/Notifications





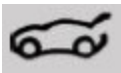
The 2WQ9 remotes support "Alarm full mode". This allows the remote to be used with any of our systems that support security features, remote start features or both security and remote start features! Remotes in "Full alarm mode" will receive alarm alerts/notifications (when within range of the vehicle) if the alarm system is triggered.

NOTE: your Firstech security system is equipped with a "soft disarm" feature which means 1 unlock/disarm command will only silence or shut off the siren once it has been triggered. A 2nd unlock/disarm command is required to completely disarm and unlock the vehicle. This is designed to protect your vehicle against a person who may try and trigger the security system in order to get the user to disarm and unlock the vehicle temporarily which could allow the vehicle to be easily opened.

- The 2WQ9 is default with "Alarm mode" set to full.

2WQ9 Remote Basic Button Functions

2WQ9 button function table

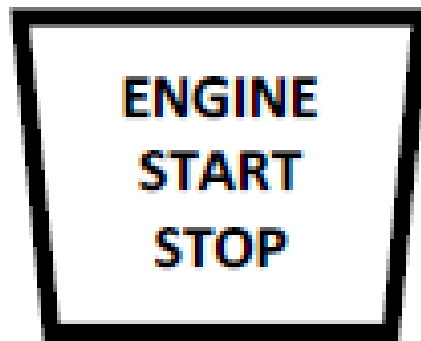
	Button action	1 tap .5 sec	Double tap	hold for 2.5 sec
	Center Start/Stop button	Lock/Arm the system	Unlock/Disarm system	Start/Stop
	Function	Status query/Select- Toggle User feature	Enter User Features	Exit User features
	Lock	Lock/Arm the system	AUX2 **	Panic
	Unlock	Unlock	AUX1 **	Unlock
	Trunk/Rear Lift gate	N/A	N/A	Trunk/Rear Lift gate Open-Close



Lock/Arm: Locks the doors (if equipped) and or arms the Firstech security system (if equipped) along with any Firstech accessory that may be installed.

AUX2: This will activate any POC assigned AUX 2 output or AUX 2 action over data. This function does offer alternative icons within the User feature settings. Note: Secure AUX mode will affect AUX 1 and 2 procedure steps, please contact your install tech or dealer if more info is needed.

Panic: When panic is activated it will trigger any siren or horn output that may be connected to your Firstech system. It will continue to sound until stopped using a remote or Drone. This feature is frequently used to locate vehicles in larger parking areas.



- **Lock/Arm:** A single tap will wake the LCD screen and send Lock/Arm command.
- **Unlock/Disarm:** Double Tap will wake the LCD screen and send the Unlock/Disarm command
- **Remote Start/Remote Stop:** Hold for 2.5 seconds will activate or deactivate the remote start sequence
- **Unlock:** Unlocks the doors (if equipped) and or Disarms the Firstech security system (if equipped) along with any Firstech accessory that may be installed.



- **AUX 1:** This will activate any POC assigned AUX 1 output or AUX 1 action over data. This function does offer alternative icons within the User feature settings. Note: Secure AUX mode will affect AUX 1 and 2 procedure steps) please contact your install tech or dealer if more info is needed.
- **Trunk Release:** Will activate any POC programmed as trunk release output, or Trunk release function over data, included power rear lift gates (same steps to open or close rear power liftgate)

2WQ9 Remote and User Feature table

Using the Feature navigation table, you can select, enable/disable, and change user features shown below.

Remote and User Features					
LCD ICON	Feature options		LCD ICON	Feature options	
Passive arming	ON	OFF			
Alarm mode	FULL	HALF	Turbo timer	ON	OFF
Siren/horn	ON	OFF	Valet mode	OFF	ON
Shock sensor	ON	OFF	AUX1 config/animation	OFF	AUX1
				Sliding door R	
2nd car mode	1st car	2nd car	AUX2 config/animation	OFF	AUX2
				Sliding door L	
Drive lock	OFF	ON	AUX MODE (See AUX Table)	OFF	ON

Timer start	OFF	ON	Language	English	French
				Spanish	
Screen timeout	4 sec	8 sec	Temperature display	“F”	OFF
				“C”	
Chime volume	Low	Mid			
	High	Vibrate			

Shock Sensor: (ONLY if equipped) This will activate or deactivate any sensor connected to the shock sensor ports on the Firstech system.

2nd Car Mode: The 2WQ9 can be programmed and control 2 separate vehicles as long as they both have the same model of antenna (ANT-2WFMX). This feature will allow the user to switch between vehicles as needed. NOTE: In order to program the remote to car 2 the 2nd car mode must be set to 2nd car.

Drive lock: Your Firstech system is capable of locking/unlocking the vehicle doors once the ignition is on, doors are closed, and the foot brake is pressed. (may not apply to all vehicles)

NOTE: This feature must also be enabled on the Firstech CM in order for the user to control it. This user feature will activate or deactivate the ignition controlled door locking function (or drive lock). Once activated the doors should lock once the vehicle is running, the doors close, and the foot brake is pressed. They should unlock when

the vehicle is shut off or parking brake is set (only if connected to the CM).

Timer Start: This will activate or deactivate the user feature Timer Start. Timer start is a User function that when enabled will automatically start the vehicle based on the time sequence or temperature selected by the install tech at the time of installation. This is also a feature that is required to be enabled on the Firstech CM in order for the remote to activate or deactivate it.

Screen Time out: This will change the length of time the LCD screen stays awake during use.

NOTE: a longer screen time may reduce battery life between charges.

Remote Chime Volume: This remote feature will allow the user to adjust the volume of the sounds the remote makes while in use.

NOTE: There is a vibrate (which will only vibrate, no sound) and there is an off which will disable all sounds and vibration.

Turbo Timer: This user feature will activate or deactivate the Turbo Timer function. The Firstech system has a built in turbo timer option (not all Firstech systems are capable of Turbo Timer, please consult with your install tech for confirmation) which will leave the vehicle running for up to 3 minutes

(based on turbo timer option selected by the install tech) using the remote start portion of the system (if equipped) by engaging the parking brake (must be connected to the CM), removing the key, and exiting the vehicle.

NOTE: The Turbo Timer feature must be enabled on the CM by the install tech at the time of installation, additional connections may be required

Passive Arming: This user feature will activate or deactivate the Firstech system passive arming. The Firstech system is capable of arming itself automatically (not all Firstech systems are capable of passive arming feature) after a preset period of time has passed which will start once the vehicle is off and all of the connected zones are closed. (Preset time is selected by the install tech at the time of installation). **NOTE:** The Passive arming feature must be enabled on the Firstech CM by the install tech at the time of installation, additional connections may be required.

Alarm Alert mode: This remote feature will allow the remote to toggle between "Full" (will receive alarm notifications when within range of the vehicle) and "Half" (will only receive alerts while remote started) modes. If you Firstech system is equipped with security, then "full mode" is the recommended setting.

IMPORTANT: when in Full mode the remote battery life between charges will be approx. 30-45 days. When the remote is in Half mode, the remote battery life between charges can reach up to 60 days.

NOTE: The Proximity function requires the remote to be in full mode.

Valet Mode: This feature will allow the user to activate or deactivate the Firstech system "Valet mode". All remote start and security functions of your Firstech system can be disabled at any time by activating "Valet Mode". Once in Valet mode your Firstech system will only control the door locking/unlocking function. If the remote start is attempted the vehicle should respond with an error 10, the vehicle will flash the parking lights 3 times, then pause then flash 10 more times indicating Valet mode. There are several ways to enter Valet mode which are in the description above.

NOTE: When entering Valet Mode using the remote the vehicle ignition must be on.

AUX 1 ICON configuration: The AUX 1 Icon displayed when AUX 1 is activated can be set to 1 of the 2 options shown on the remote or may be turned off.

NOTE: AUX output configuration must be done at the time of installation and may require additional parts or connections.

AUX 2 ICON configuration: The AUX 2 Icon displayed when AUX 2 is activated can be set to 1 of the 2 options shown on the remote or may be turned off.

NOTE: AUX output configuration must be done at the time of installation and may require additional parts or connections.

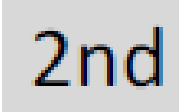
AUX Mode: This will allow the remote to control additional AUX outputs that may be programmed or configured by the install tech at the time of installation. The remote must have AUX mode enabled in order to access control of the additional AUX outputs, then disabled to resume normal remote operation. The additional AUX output activation process can be found in the table listed above.

LCD Language: This remote feature will change the displayed language between English, French, and Spanish. This will change the alert notifications, actions, responses, and display.

Temperature display: This remote feature will change the temperature between Fahrenheit, Celsius, and Off.

Common LCD ICONS

Icon	Function
	Indicates Shock sensor on/off
	Indicates Siren or Horn output has been turned off for Lock/arm and Unlock/disarm
	Indicates the current Armed/Disarmed state of your Firstech system
	Indicates the chime or beep level
	Indicates battery level
	Indicates Turbo Timer feature is activated
	Indicates Passive arm/lock feature is activated
	Indicates the remote start timer mode is enabled

	Indicates remote is set to 2nd car
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Remote Start Error Diagnostic

If the remote start fails to start the vehicle, the parking lights will flash three times immediately. Following those three flashes the parking lights will flash again corresponding to the error table.

Number of Parking Light Flashes	Remote Start Error
1	Motor running or must program tach before 1st remote start
2	Key in ignition on position
3	Door open (manual transmission only)
5	Foot brake on
6	Hood open
7	Reservation off (manual transmission only)
8	Tach or Tachless sensing failure

9	DAS sensor shutdown
10	System is in Valet Mode
2 Way remotes will display the error number "Start Err##" on the LCD.	

Remote Start Shutdown Error Codes

If the remote start sequence has been completed and the vehicle shuts down, the vehicle's parking lights will flash 4 times, pause then flash again with the error code. Tap button 4 on 2 Way remotes to initiate the shutdown error codes. On 1 Way remotes hold the Trunk and Start buttons together for 2.5 seconds.

Number of Parking Light Flashes	Remote Start Shutdown Error
1	Lost engine sensing signal (Tach/Alternator/Tachless)
2	Lost emergency brake signal (Manual Transmission)
3	Foot brake triggered
4	Hood pin triggered

Remote Start Reservation Mode Diagnostic Codes

If the remote start sequence has been completed and the vehicle shuts down, the vehicle's parking lights will flash 4 times, pause then flash again with the error code. After reservation mode failure, tap button 4 on 2 Way remotes to initiate the shutdown error codes. On 1 Way remotes hold the Trunk and Start buttons together for 2.5 seconds.

Number of Parking Light Flashes	Reservation Mode Diagnostics
1	Tach has been lost or interrupted while reservation mode was setting. Tach is present after reservation mode completed.
2	E-brake signal has been lost before or after reservation mode completed
3	Foot Brake was triggered before or after reservation mode completed
4	Hood input was triggered before or after reservation mode completed
5	Door Input was triggered before or after reservation mode completed
6	Trunk input was triggered before or after reservation mode completed
7	Security has been triggered after the reservation mode completed
8	Ignition input detected after reservation mode completed
9	No DAS detected
10	Keysense Input detected after reservation mode completed
2 Way remotes will display the standard start error number "Start Err##" 3-07 (reservation mode cancelled) on the LCD.	

Alarm Diagnostics

While the alarm is armed, the LED will blink slowly. While the siren is going off, the LED will indicate which specific zone was triggered until the vehicle ignition is turned on.

Priority	Situation	LED On Duty
2	Door Triggered	2 flashes, break, then repeat
3	Shock Stage 1 (light impact) triggered	3 flashes, break, then repeat
4	Shock Stage 2 (Heavy impact) triggered	4 flashes, break, then repeat
5	Tilt sensor triggered	5 flashes, break, then repeat
6	Ignition had been turned on	6 flashes, break, then repeat
7	Hood input triggered	7 flashes, break, then repeat
8	Trunk input triggered	8 flashes, break, then repeat
9	AUX sensor Stage 1	9 flashes, break, then repeat
10	AUX sensor Stage 2	10 flashes, break, then repeat

Upon disarming the alarm after it has been triggered, the amount of siren chirps will indicate the specific zone.

# of Chirps	Situation
4	Optional Sensor Triggered
5	2nd Shock Triggered
6	Door/Hood/Trunk/Key Triggered

Limited Lifetime 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., 21903 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.

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 OF 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, LLC. 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 ECONOMIC OPPORTUNITY AND THE LIKE that may or may not resulted from the operation of Compustar, Compustar Pro, Arctic Start, Vizion, or NuStart. NOT WITHSTANDING 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 the date code or serial number is defaced, missing, or altered. This warranty will not be valid unless you have completed the registration card at www.compustar.com within 10 days of purchase.

Documents / Resources

	<p>FIRSTTECH 2WQ9R-FM 2-Way Remote Control [pdf] User Guide 2WQ9R-FM 2-Way Remote Control, 2WQ9R-FM, 2-Way Remote Control, Control</p>
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References

-  [Compustar](#) | [Remote Starters](#) | [Security Systems](#) | [Car Alarms](#)
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