



COMPUSTAR[®]

R5 Master Guide

By Firstech LLC, Version: 1.0

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.

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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 2WR5 remote compatible with select ALARM IT, START IT, or MAX IT systems. 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.

NOTE: 2WR5 REMOTES MUST BE POWERED ON BEFORE 1ST USE! HOLD START BUTTON FOR 6 - 8 SECONDS TO POWER ON!

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. The Compustar Pro 2WR5R-SF remote carries a 3 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

Battery Charging

Please charge the 2WR5R-SF with the included micro-USB cable and a USB wall adapter. USB adapters rated at or above 2.5A and unregulated 12-volt (car charger) USB charging cables are not recommended. A full charge will take approximately 2 hours. Estimated battery life is 30-45 days with normal use. All LED lights will flash to indicate the remote is charging. Once all 4 LED lights are solid, the remote is fully charged.



NOTE: if the remotes battery dies before you can connect it to a charger you will need to power the remote back up once charging is complete (See Page 3).

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.

Entering Valet Mode:

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**. **ZZzz**

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**.

Exiting Valet Mode:

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 2 times indicating it has exited **Valet Mode**.

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 "Engine Start Stop" button on the R5 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 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 “Engine Start Stop” button on the R5 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.**

2WR5 Remote Button Functions & LED Icon Guide

2WR5 Button functions		
Button	Hold time	Function description
	4 sec	Hold this button for 4 seconds to power up the remote
	0.5 sec	Single tap to lock and/or arm your Firstech system
	0.5 sec x 2	Double tap button to unlock and/or disarm your Firstech system
	2.5 sec	Hold button for 2.5 seconds to remote start or remote stop your vehicle.

2WR5 LED Icon Guide	
LED Icon	Description
	Will flash when transmitting to indicating the lock/arm command has been sent
	Will flash + beep confirming the system has been locked/armed
	Will flash + beep when transmitting to indicating the unlock/disarm command has been sent
	Will flash + beep confirming the system has been unlocked disarmed
	Will flash + beep indicating the remote start command has been sent.
	Will flash + beep confirming the system has been remote started/stopped
	Will flash + beep when the remote receives an alarm trigger alert
	All 4 icons will flash during remote start to act as a runtime count down timer. Each icon represents 25% of the runtime and will stop flashing as timer counts down starting with the lock LED. The remote will beep 3 times when 1 minute of runtime left. During the last minute of runtime, the remote will beep 1 time/2 seconds

Alarm alerts/Notifications

The 2WR5 remote operates in “Full Alarm 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!

The 2WR5 is always set to “Full Alarm Mode” and cannot be changed. 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.

Remote User Features Settings:

To enter the user feature settings, you will *tap* (*tap* = quick ½ second press and release) then **HOLD** the button for 5 seconds. The remote will beep to indicate it has entered the user feature selection

-To **toggle, or select** options you will *tap* or *tap* and hold the button based on the feature option you want to change (please see user feature options)

-To **exit** the feature settings, *wait for the remote to exit automatically.*

2WR5 Remote User Features	
	Single TAP THEN HOLD for 5 seconds to ENTER the user feature settings. Note: Once a selection is made it will automatically exit the menu.
Feature	Function/Description
Proximity Unlock	Enter feature settings as shown above: Tap start/start button 1 time to enable/disable the proximity unlock feature. RED Flashing LOCK icon indicate OFF. BLUE Flashing UNLOCK icon indicates ON
Remote Silent mode	Enter feature settings as shown above: Double Tap Start/Stop button to enable/disable remote beep. BLUE Flashing LOCK icon and beep indicate ON Flashing UNLOCK icon and NO beep indicates beep is OFF
Power down	Enter feature settings as shown above: Hold Start/Stop button for approximately 5 seconds to power down the remote. NOTE: HOLD Start/Stop button for 4 seconds to power up

Proximity Unlocking feature Enable/Disable

The proximity unlocking feature is set to the on position by default, but it can be disabled or enabled anytime from the remote. **Note: Activating the proximity function with one remote will activate the function for all proximity compatible remotes that are programmed to the vehicle.**

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.

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** the Start/Stop button to initiate the shutdown error codes.

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 reservation mode completed
8	Ignition input detected after reservation mode completed
9	No DAS detected
10	Keysense Input detected after reservation mode completed

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	2 nd 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.

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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.

Visit firstechllc.com/patents for patents and trademark details.