

By Firstech LLC Version 1.1

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MA580 INSTALLATION GUIDE

AUTO SECURITY COMPUSTARPRO AUTO SECURITY COMPUSTAR AUTO SECURITY COMPUSTARPRO AUTO SECURITY COMPUSTAR AUTO SECURITY COMPUSTARPRO AUTO SECURITY COMPUSTAR

By Firstech, LLC.

Toll Free : 888-820-3690
21911 68th Ave S
Kent, WA 98032

FCC ID : VA5JA580-2A433

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.

IC ID : 7087A-A580A433

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

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 review the following manual. Please note that this manual applies to the 2WG5R-900SH 2 Way - 4 Button LED Remote, regardless of whether you purchased the alarm only, starter only or alarm/starter combination. This manual also supports the 1WG5R-900SH 1 Way 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.

Please note that this remote system has a 6 pin antenna plug and are not compatible with previous systems.

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 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.

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:

1. Turn the vehicle's key to the ignition "on" position and tap buttons   +  simultaneously for 0.5 second. The parking lights will flash once and/or siren chirp once 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/or siren chirp once 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.

IMPORTANT: If your system is set up for a secure valet option, you will not be able to put the system into valet until the proper code has been entered to the secure valet switch.

3. If your system is set up for the 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, 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. Your battery size should be listed on the battery. (Battery size: CR2450)





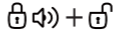
IMPORTANT: Be sure to observe correct polarity when installing the battery.

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. Your battery size should be listed on the battery. Replacements can be purchased from your local Firstech dealer or an electronics store.











Quick Reference

2 Way Remote Button Functions

Button(s)	Duration	Function	LED	LED - 2nd Car Mode	Chirp(s)
	0.5 second	Locks doors and/or arms alarm.	Amber	Red	Once
	3.5 seconds	Panic/vehicle locator (flashes vehicle's parking lights and sounds siren and horn).	Green and Red	Green and Red	N/A
	0.5 second	Unlocks doors and/or disarms alarm.	Amber	Red	Twice
	0.5 second	Aux 1. Triggers the auxiliary 1 output (most commonly used for rear defrost or window roll-down).	Amber	Red	Once
	2.5 seconds	Trunk release. Triggers the trunk release output and opens the vehicle's trunk.	Solid Amber then Flash Amber	Solid Red then Flash Red	Twice
	0.5 second	Aux 2. Triggers the auxiliary 2 output (most commonly used for rear defrost or window roll-down).	Amber	Red	Once
	2.5 seconds	Activates the remote start. Repeat and remote start will shut off. Will activate Stop and Go Mode if held when vehicle is running with the key.	Solid Amber then Flash Amber	Solid Red then Flash Red	Once On / Twice Off
	0.5 second	Turns siren chirps on/off (Note: With the siren chirps off, it will still sound in the event the alarm is triggered).	Amber	Red	Once On / Twice Off
	2.5 seconds	Option programming menu 1 - Installers Only.	Solid Amber then Flash Amber	Solid Red then Flash Red	Once










Quick Reference

2 Way Remote Button Functions

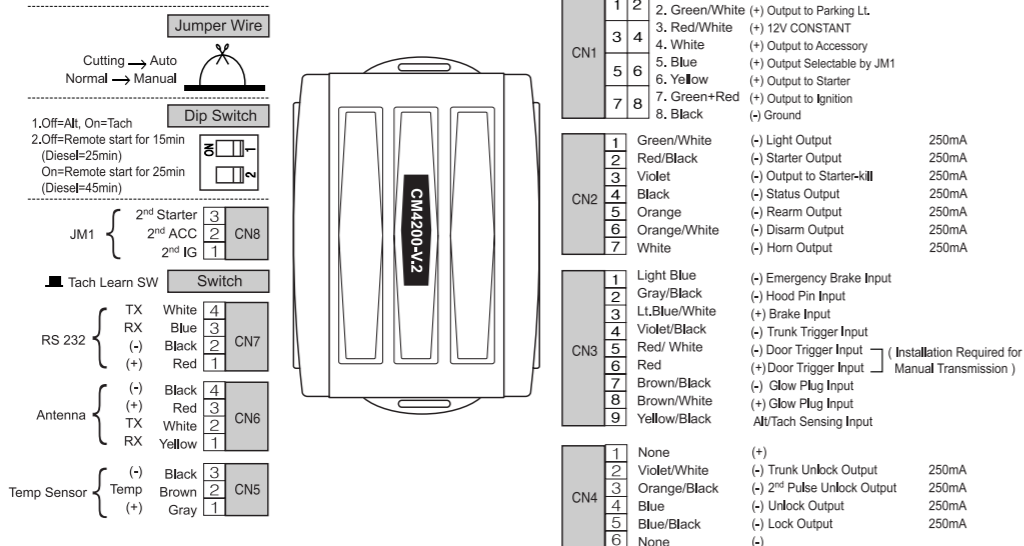
Button(s)	Duration	Function	LED	LED · 2nd Car Mode	Chirp(s)
 + 	0.5 second	Valet mode (see Valet Mode Section for details)	Amber	Red	Once On / Twice Off
 + 	0.5 second	Drive lock. Activates ignition controlled door locks.	Amber	Red	Once On / Twice Off
	2.5 seconds	Option programming menu 2 - Installers Only.	Solid Amber then Flash Amber	Solid Red then Flash Red	Once
 + 	0.5 second	Activates passive arming (vehicle will arm/lock 30 seconds after the vehicle is disarmed)	Amber	Red	Once On / Twice Off
	2.5 seconds	Activates the 2nd Car function. Your remote has the ability to control two systems with the same remote. You must have the same RF Kit in both of your vehicles.	Solid Amber then Flash Amber	Solid Red then Flash Red	Once On / Twice Off
 + 	0.5 second	Activates timer start mode. Timer start mode has multiple programmable settings: duration settings, temperature settings and self start settings.	Amber	Red	Once On / Twice Off
 + 	0.5 second	Activates the built in Turbo Timer function. Additional installation is required when using this feature on automatic transmission vehicle's.	Amber	Red	Once On / Twice Off
	2.5 seconds	Car Check (updates vehicle status on remote pager) / Secure Auxiliary	Solid Amber then Flash Amber	Solid Red then Flash Red	Twice

Quick Reference

1 Way Remote Button Functions

Button	Duration	Additional Programming Required	Function / Description
 + 	0.5 second	no	Locks doors and / or arms alarm.
	3.5 seconds	no	Panic/vehicle locator (flashes vehicle's parking lights and sounds siren and horn)
	0.5 second	no	Unlocks doors and / or disarms alarm.
	0.5 second	no	Aux 1. Triggers the auxiliary 1 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.
	0.5 second	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 second	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 second	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)

Wiring Diagram



Notes for Wire Connection

Connector #1

Pin #1 : Red This wire is used as the **(+)Constant Power** input for the unit. This wire must be connected for the unit to function correctly.

Pin #2 : Green/ White This wire is the **(+)Positive Parking** light output. Connect this wire directly to the **(+)** trigger wire generally off the parking light switch or found at or behind the fuse box.

Pin #3 : Red/ White This wire is used as the **(+)Constant Power** input for Starter and 2nd Ignition.

Pin #4 : White This wire is used to power the **(+)Accessory**, which activates the blower motor for the heater or A/C.

Pin #5 : Blue This wire will power **(+)2nd Starter**, **(+) 2nd Accessory** or **(+) 2nd Ignition** depending on the jumper selection at JM1.

Pin #6 : Yellow This wire is the **(+) Starter Output**.

Pin #7: Green/ Red This wire is used to power the **(+) Ignition**.

This wire is also an input for the CompuStar used to monitor the status of the vehicle and for programming.

Pin #8 : Black This wire needs to be connected to a chassis **(-)Ground**.

It is very important to make sure you have a good ground or the unit will not function correctly.

Notes for Wire Connection

Connector # 2

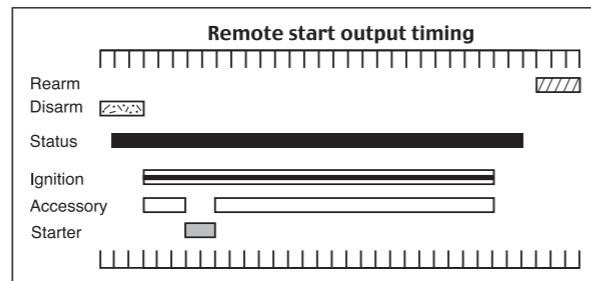
Pin #1: Green/ White This is the low voltage (-) **Parking light output 200mA**. Some newer vehicles require a (-) parking light output instead of the standard (+) output (reference connector #1) such as the new Jeeps and even some Fords.

Pin #2: Red/ Black This wire is a (-) **2nd Starter 200mA output**. Normally the only vehicle this would be used on Nissan's and older Ford's. You may connect this wire to the purple pigtail of the additional relay on CN #1. This will result in a (+) trigger output for the 2nd starter on the blue wire of the same relay.

Pin #3: Violet This wire is the (-) **Negative when armed out**. It will provide a (-) output anytime the unit is armed or remote started. This wire is pre-wired into the starter-kill. This wire could be used for adding a window roll-up.

Pin #4: Black This is the (-) **Status Out wire (Ground when running)**. It provides you with a (-) 200mA output as soon as the remote start is activated.

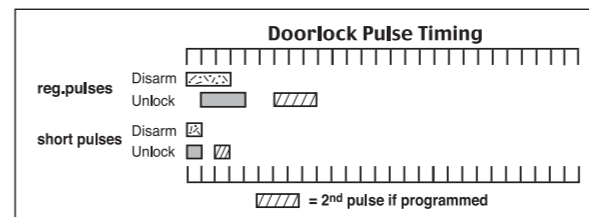
This is the wire you would connect to a Transponder Module or maybe a VATS module.



Notes for Wire Connection

Pin #5: Orange This is the **Rearm wire**. It provides you with a (-) pulse when armed, after remote start, and then again one second after remote start shuts down. As of August 2004, this wire's output duration has been increased by 1.0 second. This has been done to provide the Dome Light Factory Rearm feature currently offered in the CM3000 controller module. Some vehicles require the door to be open while the door is locked for the factory security system to arm. Connecting this wire to the dome light circuit (generally you will have to change the polarity with a relay) will simulate the door opening 0.5 seconds before the lock pulse, and will keep the simulated door open until 0.5 seconds after the lock pulse has ended.

Pin #6: Orange/White This is the **Disarm wire**. It provides you with a (-) pulse when disarmed and before remote start.



Pin #7: White This is the (-) **250mA horn honk output wire**.

Notes for Wire Connection

Connector # 3

Pin #1: Light Blue This needs to be connected to the **parking brake**. This wire requires a (-) input to activate. This wire serves two functions:

1. To engage Reservation Mode for manual transmissions, reference the users or install guide.
2. To activate the Turbo Timer, reference the users or install guide.

Pin #2: Gray/ Black This is the (-) **shutdown for the Hood Trigger**. This wire serves two functions:

1. It prevents the remote start from activating while the hood is open
2. It will trigger a full alarm if the hood is opened when the alarm has been armed.

Pin #3: Light Blue/ White This is the (+) **shutdown for the foot brake**. This wire will shut down the remote start if the foot brake is pressed.

Pin #4: Violet/ Black This wire is the (-) **trigger input**, which may be connected to a **trunk pin or trunk trigger as a buyer option**.

Pin #5: Red/White This wire is the (-) **trigger input for the door trigger**. You would connect this to the trigger that shows (-) when the door is opened.

Pin #6: Red This wire is the (+) **input for the door trigger**. You would connect this to the trigger that shows (+) when the door is opened.

Pin #7: Brown /Black This is the trigger input for a (-) **glow plug wire**.

Pin #8: Brown /White This is the trigger input for a (+) glow plug wire.

Pin #9: Yellow/ Black This wire serves as the Tachometer input or the Alternator input. Either way you use it, it is for engine sensing. This wire tells the CompuStar when to quit cranking the starter of the vehicle. There are a couple of ways to find the correct voltage for either type of sensing. Please review the following tips on the next page.

Remote LED Functions and Descriptions

■ Tachometer Sensing

1. You will need an Auto Ranging Digital Meter to test for the correct tach.
2. Most tach wires are located at the (-) side of the ignition coil. In some cases you may have to go to the ECU or Coil pack.
3. The Voltage will read (AC), so you will need to set your meter accordingly.
4. With the vehicle off the voltage should read 0.00 AC.
5. Start the vehicle and at this time the voltage should fluctuate between 1 and 8 volts AC.
6. Connect the tachometer wire to the yellow/black.
7. Make sure that the Dipswitch #1 is set to the On position.
8. While the vehicle is running press the small black button on the side of the brain, Parking Light will flash once if you have the correct Tach wire.
9. If the cars parking lights flash 3 times, there is a problem with the tachometer learning. Wait for 2 seconds and the cause for the error will be indicated by the number of times the parking lights flash.
10. Diagnosing Tach Learning Error

If the cars parking lights flash 3 times, there is a problem with the tachometer learning. Wait for 2 seconds and the cause for the error will be indicated by the number of times the parking lights flash.

Notes for Wire Connection

Error Number (# of times parking lights flash)	Tach Learning Error Diagnosis
1	Dip Switch #1 is on alternator sensing.
2	Manual Car Key is in the off position.
3	No signal or the signal is not fast enough. find a different wire

■ Alternator Sensing

- Just like with Tachometer sensing you will need a Auto Ranging Digital Meter to test for the correct wire.
- Set your meter to DC voltage for this type of sensing, compared to AC voltage for the Tach sensing.
- To find this wire you will need to locate the alternator. Look for the Stator wire, Which is always located somewhere on the alternator.
It will usually be a smaller gauge wire and generally by itself.
- With the vehicle in the OFF position the voltage should read 0.00
- Turn the key to Ignition and the voltage should read anywhere from 1 to 6 volts DC.
- Next, start the vehicle. The voltage should now read between 9 to 14 volts DC.
- If this is the case you have found the Alternator wire, connect this to the Yellow/Black on CN 3
- Set dipswitch #1 to the OFF position. Please note, you will not need to press the small black button on the side of the brain, it is automatic.

Remote LED Functions and Descriptions

Connector # 4

Pin #1 : No Connection

Pin #2 : Violet/ White This wire is the (-) **200mA trunk release**. The following sequence takes place each time the trunk release output is triggered :

- CompuStar disarms alarm and unlocks doors
- Trunk output is triggered

Pin #3 : Orange/Black This wire provides you with the capability of adding **driver's door priority unlock** similar to factory keyless entry systems. Please note that this feature requires more advanced installation. Please call Technical Support for details.

Pin #4 : Blue This wire is a (-) **200mA Unlock Output**.

Pin #5 : Blue/Black This wire is a (-) **200mA Lock Output**.

Pin #6 : No Connection

Connector # 5

This is the plug in for temperature sensor input. This sensor will monitor the internal temperature of the vehicle and be programmable for timed engine starts.

Connector # 6

This is the plug for the antenna cable.

Notes for Wire Connection

Connector # 7

This is the data lines to interface Telematic Devices or Interface Modules.

■ Tach Learning Switch :

This is the small black button on the side of the brain used to program tach. Once you have found the correct wire simply press this button while the vehicle is running and the parking light will flash once to confirm that the tach is learned. If the parking light flash three times the tach source is not valid.

Jumper Selection – JM1

Pin #5 wire of CN1 will power the (+) 2nd Starter, (+) 2nd Accessory or (+) 2nd Ignition depending on the jumper selection at JM1.

Dip Switches

Switch #1: This is used to set either Tach or Alternator mode. If the switch is set to the ON position the unit is set to Tach. If the switch is set to the OFF position then the unit is set for Alternator sensing.

Switch #2 : This is used for setting run time. If the switch is set to the OFF position then the run time is set for 15 min for gas engines or 25 min for diesel engines. If set to the ON position then the run time is set to 25 min for gas engines or 45 min for diesel engines.

Jumper Wire : This jumper is connected when you receive the brain. While the jumper is connected the module is set for manual transmission mode. When installing on automatic transmissions the jumper must be cut. Please note : if a unit with a cut jumper is installed on a manual transmission **the warranty will be void and Firstech will have no liability.**

Switch and Jumper Setting

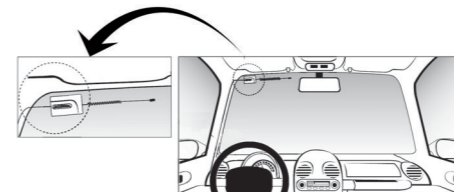
Dip Switch	Jumper Wire	#1	#2
On	Uncut: Manual Transmission	Tach Sensing	25 min run time (45 min diesel)
Off	Cut: Automatic Transmission	Alternator Sensing	15 min run time (25 min diesel)

Important! you cut the jumper wire, you are not allowed to reconnect it.

Reconnection will completely void the warranty. A trace of reconnection of this wire will prevent you from making any claim whatsoever pertaining to the manual transmission mode.

Installation of Antennas

The antennas have been calibrated for horizontal installation at the left-top corner of the windshield. Different installation may adversely affect the transmitting distance.



Option Programming for Four Button Remotes for FM or SS Units

Step1: For Programming menu 1: Press Buttons (I+II) for 2 seconds. For Programming menu 2: Press Buttons (I+IV) for 2 seconds.

The car will chirp once indicating that you are in programming mode.

Step2: Within a 2 seconds after pressing (I+II) or (I+IV), press Button IV the number of times to go to the option number you want to change.

You have to hear a chirp and see the parking light flash each time when you press Button IV.

Step3 : Wait a few seconds. You will hear a number of chirps and see a number of parking light flashes corresponding to the option number you want to change.

If the number of chirps or flashes is not what you want, go back to Step 1.

Step4 : Press Button I for the default factory settings and your car will respond by one chirp and one flash. Press Button II for the optional setting and your car will respond by two chirps and two parking flashes.

■ **If you see an extended flash of the lights, you are going out of programming mode, please go back to Step 1.**

■ **If you want to change more options, go back to Step 1.**

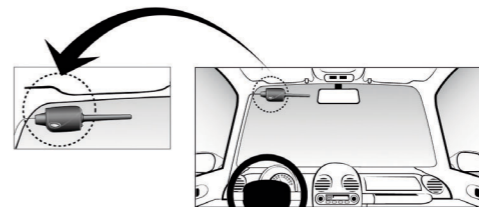
▶ Resetting any Option Setting to the Factory Setting

Step1: Press Buttons (I+II) simultaneously or Buttons (I+IV) simultaneously for 2 seconds. A one flash of the parking lights confirms step 1.

Step2: Press Button III three times. This is confirmed by a parking light flash each time you press Button III. A few second later, your cars parking lights will flash three times rapidly. Your car is now set to all of the original factory default settings.

Installation of AM Antennas

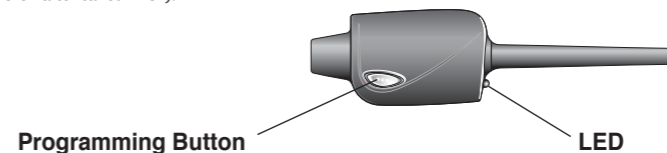
The antennas have been calibrated for horizontal installation at the left-top corner of the windshield. Different installation may adversely affect the transmitting distance.

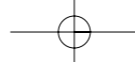


Option Programming with Programming Button for AM Units

CANADIAN MODELS ONLY. THE US MODELS DO NOT HAVE THE BUTTON.

Most of the original programming ("**Factory Setting**") from the factory can be changed to alternative programming ("**Option Setting**") by Programming Switch (hereinafter called "PS").





Option Programming with Programming Button for AM Units

► Changing Factory Setting to Option Setting. #1

Step1: Turn the key to On position. (Engine Off)

Step2: Press PS (Programming Switch) for two seconds until Parking Light flashes once for **Option #1-1 to #1-11**, then release the switch. Or, press PS for four seconds until Parking Light flashes twice for **Option #2-1 to 2-10**, then release the switch.

Step3: Within 4 seconds after you released the switch, press and release PS for the number of times of the option number you want to change.

Step4: Within 2 seconds, the LED and Parking Lights will flash the same number of times as you pressed the switch at step 3.

Note : If the number of flash does not correspond to what you did at Step 3,

- 1) wait for 4 seconds until Parking Light flash once for 1 second to reset. If this happens, go to Step 2, or
- 2) turn the key off and go to the Step1.

Step5: Within 4 seconds from step 4, press PS once for factory setting, the LED and Parking Lights will flash once to confirm. Press PS twice for optional setting, the LED and Parking Lights will flash twice to confirm.

Step6: If you want to change more options, go to Step 3. However, if you want to change options from **Option#1-1 to #1-11** to **Option#2-1 to #2-10** or vice versa,

- 1) wait for 4 seconds until Parking Light flash once for 1 second to reset. Then go to the Step 2, or
- 2) turn the key off and go to the Step 1.

Option Programming with Programming Button for AM Units

► Resetting any Option Setting to the Factory Setting

If you want to reset any changes you made to the Factory Setting,

Step1: Turn the key to On position. (Engine Off)

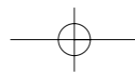
Step2: Press PS (Programming Switch) for two seconds until Parking Light flashes once for **Option#1-1 to #1-11**, then release the switch.

Or, press PS for four seconds until Parking Light flashes twice for **Option#2-1 to #2-10**, then release the switch.

Step3: Within 4 seconds after you released the switch, press and release PS for 3 seconds.

Step4: Within 2 seconds, the LED and Parking Lights will flash three times to confirm the above step.

If any of the above steps is not followed correctly, the Parking Lights will flash once for 1 second to reset. If that happens, please start from Step 2.



Option Programming for Six Button Remotes

The procedures will be same as the 4 button remotes except the use of the different buttons.

Programming	6 Button Remote	4 Button Remote	ICON
Programming Menu 1	(Trunk+Start)-	(I+II)-	(/🔊 +)-
Programming Menu 2	(Trunk+Stop)-	(I+IV)-	(/🔊 +)-
Option Selection	(Stop)-	(IV)	(+)-
Factory Setting	Lock	(I)	/🔊
Option Selection	Unlock	(II)	
Default Setting Selection	(Start)-	(III)	-

Programming Menu Options

Programming Menu #1 (Auto-Start and Door Lock Options)

	Feature	Factory Default	Optional
1-1	Unlock Before, Lock After Starting Lock after remote start	OFF	ON
1-2	Door Lock / Unlock Pulse Duration	0.8 sec	2.5 sec
1-3	Min. Crank Time for the Alternator Sensing	0.8 sec	1.0 sec
1-4	Driver's Priority Unlock	OFF	ON
1-5	Double Pulse Unlock	OFF	ON
1-6	N/A		
1-7	Turbo	OFF	ON
1-8	Diesel Time	Glow Plug Wire	18 sec
1-9	Short Pluse Lock/ Unlock	OFF	0.125 sec
1-10	Start-Kill Relay	Anti-Grinding Only	Anti-Grinding + Passive starter- kill
1-11	Manual Transmission Lock	Lock Upon Reservation	Active Lock Upon Reservation

Programming Menu Options

Note :

1-1 Some vehicles such as Mercedes-Benz and the Lexus ES300 require you to unlock the car to disarm the factory alarm before remote starting the vehicle. Activating this feature will unlock the vehicle for a brief second in order to disarm the factory alarm before auto-starting the vehicle remotely then lock after starting.

1-4 This feature unlocks the driver's side door lock with the first unlock pulse. A second unlock pulse is need to unlock the rest of the car doors.



Important! : In order for this feature to operate, the installer must use the 2nd Unlock Wire (Or/Bk wire of Connector 4). Isolate the driver's door actuator from the rest of the other doors. Call us for the technical support if you are not sure about this.

1-7 Turbo mode requires the connection of the emergency brake wire for either or manual transmission vehicles. With this mode, the engine will continue running for two minutes after the key is turned off if the emergency brake was set before the key was turned off and the foot brake was not being pressed when the key was turned off.

1-8 Use this feature if you do not use the glow plug wire. "With the Option Programmer, you can program between 3-99 seconds."

1-9 This option will not be available if you chose 2.5 sec pulse under 1-2.

1-10 Passive Kill The factory setting for the starter-kill relay is Anti-Grinding only. With this optional setting, you can add Passive Starter-kill function, that will be activated,

- 1) Whenever doors are locked by the remote, or
- 2) One minute after the ignition is off, or
- 3) 30 seconds after the last door is closed if the door trigger is installed and the user's option for Passive Locking (Button ( + )— for a half second) is turned on. See Passive Locking of the User's Manual. You can deactivate the starter-kill with the Lock/Unlock button.

1-11 This is only of the manual transmission vehicle. With this option, you have to actively lock the vehicle after the manual transmission reservation.

Programming Menu Options

Programming Menu #2

	Feature	Factory Default	Optional
2-1	Cold Start with Temp Sensor	OFF	ON
2-2	Timer Start or Minimum Interval between Cold Starts	3 Hr	1.5Hr
2-3	N/A		
2-4	N/A		
2-5	Ignition Controlled Door Lock	OFF	ON
2-6	N/A		
2-7	N/A		
2-8	N/A		
2-9	N/Ak		
2-10	N/A		

Diagnosing Problems with Auto-Start

If there is a problem in auto-starting your car, you will see three flashes of the parking lights when you attempt to auto-start the car. Wait for 2 seconds and the cause for the error, will be indicated by the number of times the parking lights flash.

Error Number (# of times parking lights flash)	Error Reason
1	Engine On
2	Key On
3	Door Open
4	Trunk Open
5	Brake On
6	Hood Open
7	Reservation Off (Manual Transmission Only)