

MODEL RST560A REMOTE ENGINE STARTER WITH ALARM SYSTEM OWNER'S MANUAL

OPERATION:

A. REGULAR TRANSMITTER OPERATION:

Transmitter Button	System Function	Remark
	Lock Doors & Arm System	
-	Arm and Delete The 2 Stage Shock Sensor	Press twice within 5 seconds.
	Car locator	Upon Armed
(3-second)	Panic function	Press and Hold for 3 seconds
	Unlock Doors & Disarm System	
-	Two Steps Door Unlock & Disarm System	Press twice within 3 seconds.
+	Silent Arming / Disarming	
(2-second)	Channel 3 (Trunk) Timer Control	Press and Hold for 2 seconds
-	Passive Arming By-Pass	While the System disarmed.
-	Activate or Turn Off The Remote Start	Press twice within 3 seconds.
	Switching code For 2nd Car Operation.	

Second Vehicle Security Operation

Your 5-button remote transmitter can be utilized to control a second vehicle security system, To program the remote control transmitter to a second vehicle, follow the instructions for Transmitter programming. All programming parameters be the same except for the following:

1. Prior to pushing any button on the transmitter. Press the Select button first on the transmitter.
2. Once button is pressed the LED on the transmitter will illuminate for 3.5 seconds.
3. While the LED is illuminated, press any button on the remote control transmitter.

B. LED display:

LED	Function
Off	Disarmed
Slow Flash	Armed
Fast Flash	Passive Arming
On (Solid)	Valet Mode

LED	Function
	Zone 1: Warn-Away Trigger
2 flashes... pause	Zone 2: Trigger on Trunk/Hood
3 flashes... pause	Zone 3: Trigger on Door Switch
4 flashes... pause	Zone 4: Trigger on Shock Sensor
5 flashes... pause	Zone 5: Trigger on Ignition Switch

C. CHIRP INDICATORS:

Chirp	Function
1 chirp	Arm
2 chirps	Disarm
3 chirps	Ajar Warning
4 chirps	Disarm / Triggered
6 chirps	Car Locator

D. PARKING LIGHT:

Parking light	Function
1 flash	Arm
2 flashes	Disarm
3 flashes	Disarm / Triggered
12 flashes	Car Locator
Constant On	Under Remote Start

E. ALARM OPERATING CONDITION:

	Siren, Horn	Parking Light	LED	Doors	Starter	Dome Light
1. Arming	1 or 3 Chirps	1 Flash	Slow Flash	Locking	Disable	
2. Disarming	2 or 4 Chirps	2 or 3 Flashes	Fast Flash	Unlocking		Turns on for 30-second
3. Trigger	Alarming	Flashes	Slow Flash		Disable	Flashes
4. Panic	Alarming	Flashes				Flashes
5. Car Locator	6 Chirps	12 Flashes				

F. ACTIVE LOCK & ARM:

1. Press  button on the transmitter.
2. The horn will chirp once and parking light will flash once indicating that the system is now armed. The vehicle doors will lock upon arming when interfaced with the security system.

SILENT ARMING / DISARMING: Press  and  buttons at the same time on the transmitter will arm or disarm your security system, No chirp sound will be heard, arm / disarm confirmation will be through the vehicles parking lights only.

AJAR WARNING: If the siren sounds 3 chirps, then you have left a door, trunk, or hood lid ajar. (See Alarm Feature “I - 4 Programming)

SHOCK SENSOR BY-PASS: Press  button once: The siren chirps once, the system is armed.

Press  button a second time within 5 seconds: The siren chirps twice, the Shock Sensor is now bypassed. The sensor bypass feature is programmed to activate for one arming cycle only. The security system will return to normal operation during the next arming cycle.

H. PASSIVE ARMING

Active arming / disarming is controlling your security system via the remote transmitter. This security system is equipped with an optional Passive Arming feature, which allows the security system to arm 30 seconds after the last door is closed. Operation is as follows.

1. Turn the ignition to the “OFF” position and exit the vehicle.
2. After all entrances are closed, the security system LED will flash fast for 30 seconds. If you reopen any door / hood / trunk, the security system LED will stop flashing. It will begin flashing again once the vehicle all entrances are closed.
3. After 30-second timer has elapsed, the security system will automatically “ARM”. The siren will chirp [1] time and the parking lights will flash [1] time.

PASSIVE ARMING WITH PASSIVE DOOR LOCKING (See Alarm Feature “I - 2” Programming):

The vehicle doors will automatically lock after passive arming cycle has been completed.

PASSIVE ARMING BY-PASS: While the system disarmed. Press  button twice, the security will respond with [1] chirp and LED will turn “ON”. The security system will remain in this temporally state for as long as you wish. To exit passive by-pass, press  or  button and the system will return to normal status.

G. ACTIVE UNLOCK & DISARM:

1. Press  button on the transmitter.
2. The horn will chirp twice and parking light will flash twice to indicating that the security system is now disarmed. The vehicle doors will unlock and dome light will turn on for 30 seconds upon disarming when interfaced with the security system.

TAMPER DISARMING: If alarm triggered, upon disarm the system, siren chirp 4 times, parking light flash 3 times.

PATHWAY ILLUMINATION (See Alarm Feature “II - 4” Programming): This feature turns the parking light “ON” for 30 seconds upon a unlock signal and for 10 seconds upon the lock signal.

TWO STEPS DOOR UNLOCK (See Alarm Feature “III - 3” Programming): This feature will independently unlock the driver's door only when disarming the security system. Pushing the  button a second time within 3 seconds will unlock the entire vehicle.

AUTOMATIC RE-ARM (See Alarm Feature “I - 3” Programming): If this feature is selected, the security system will automatically re-arm itself 60 seconds after disarming with remote transmitter. Automatic rearm will cancel if any door is opened before the 60 seconds timer has elapsed.

H. DISARMING WITHOUT A TRANSMITTER

The Override function may be used if the remote transmitter is lost or inoperative.

1. Enter the vehicle and turn the ignition switch to 'ON' position.
2. Within 10 seconds push and release the valet switch

The alarm will enter the disarm mode. You can now start and operate the vehicle normally.

I. VALET MODE:

The valet switch allows you to temporarily bypass all alarm function, eliminating the need to hand your transmitter to parking attendants or garage mechanics. When the system is in valet mode, all alarm function and remote start functions are bypassed, however the remote panic feature and remote door locks will remain operational. To use the valet mode, the system must first be disarmed either by using your remote transmitter, or by operating the Manual override sequence.

Enter Valet Mode:

1. From the disarmed condition, turn the ignition to “ON” position.

2. Push and hold valet switch for 2 seconds until the LED turns on. The LED will remain on as long as the system is in 'valet mode'.

Exit Valet Mode:

1. Return to normal operation, turn ignition 'on'.
2. Push and hold valet switch for 2 seconds, The LED will turn off indicating the system is exiting the valet mode.

J. PANIC FUNCTION:

The transmitter can be used as a remote panic switch to manually trigger the alarm in case of emergency.

1. Press and hold the  button for 3 seconds. The alarm will immediately sound.
2. During panic mode, the normal function of this transmitter button will be suspended. The  and  buttons can be used to lock and unlock the doors (if the option is installed), however once the  button is pressed, the vehicle's starter disable device, (where installed) will be enabled allowing the vehicle to start.
3. To stop the alarm, press and hold  or  button on the transmitter again for 3 seconds. Also if any transmitter buttons other than  or  button is pressed and released, the panic mode will be turned off immediately.
4. If the button is not pressed, the alarm will automatically stop after 30 seconds.

N. TRIGGER THE SYSTEM

When armed, your vehicle is protected as follows:

1. Light impacts will trigger the warn-away signal. A [3] long chirp from siren/horn.
2. Heavy impacts / Doors open / Hood open / Trunk open / Turn on the ignition key will trigger the programmed sequence.

The starter disable relay (if installed) prevents the vehicle's starter from cranking. The siren, horn, parking lights, and dome light will turn on to alerting of an intrusion for 30 seconds. Then it will stop and automatically reset and re-arm. If the one of sensors or detectors is still active, the alarm system will sound a maximum of 6 times of 30 seconds cycles.

K. DOME LIGHT CONVENIENCE DELAY & SUPERVISION (See Alarm Feature III – 2 Programming)

The alarm has a unique feature which will turn on your vehicle dome light as follows:

1. Upon disarming, the interior lights will remain on for 30 seconds.
 2. If the vehicle is intruded, the interior light will flash for the same duration as the siren.
- Note: Turn on the ignition switch or arm the alarm will turn off the dome light.

L. IGNITION CONTROL DOOR LOCKS. (See Alarm Feature II – 2 Programming).

If the vehicle's door locks have been interfaced to the security system, the system will automatically lock the vehicle's doors when the ignition is turned "ON" and /or unlock the vehicle's doors when the ignition is turned "OFF".

M. CHANNEL 3 (TRUNK RELEASE) OUTPUT

Press and hold  button on transmitter for two seconds to remote control the trunk release or other electric devices.

N. CAR LOCATOR

Press  button while the system is armed to activate car locator function. The siren will chirp 6 times. The parking light will flash 12 times, for you to easily locate your car.

REMOTE START OPERATION:

WARNINGS:

As with any product that performs automatic functions, there are certain safety precautions that you must practice and be aware of.

1. Keep the transmitter out of children's reach.
2. Do not leave anyone in the vehicle while running on remote control.
3. Alert servicing personnel that the vehicle can be started automatically.
4. Do not start the vehicle by remote while it's in an enclosed area or garage.
5. Always apply the parking brake and lock the vehicle as you exit the vehicle.
6. The vehicle windows must be rolled up.
7. Should the unit malfunction, disconnect the fuse until the problem is corrected.
8. The use and operations of this system is the sole responsibility of the operator.
9. Some areas may have local ordinances that prohibit leaving a vehicle running on public streets.
10. Do not start the vehicle by remote while the standard transmission vehicle is parked at a steep place.

A. TO REMOTE START THE VEHICLE:

When you want to start your vehicle,

1. Press * button twice on the transmitter.
2. The parking light will activate to indicate the remote start received the signal.
3. The engine will start approximately 5 seconds.
4. Once the engine is running, after couple seconds the parking light will turn on again and climate controls will activate and adjust the vehicles interior temperature to your preset setting.
5. The vehicle will run for 5 to 30 minute cycle and automatically shut down.

NOTE:

The Remote Start Unit will not start the vehicle if any one of the following conditions exists:

1. The hood is opened.
2. The brake pedal is pressed.
3. Move the optional remote start enable toggle switch to OFF position. (If installed)
4. The gear selector is in any gear other then "PARK" or "NEUTRAL"

SAFE START (Child safety mode) (See Start Feature I – 5 Programming.)

Factory defaults setting to press the * button twice on the transmitter to start the vehicle. Programming this feature to eliminate an accidental remote start, when kids enter this transmitter, it enquires:

The user presses the transmitter  and * buttons at the same time to start the vehicle.

B. TO TURN OFF THE REMOTE START:

When the engine is running (by remote start), if you want to stop it,

1. Press * button twice on the transmitter.
2. Move the optional remote start enable toggle switch to OFF position. (If installed)
3. Press the brake pedal

The vehicle will shut down and turn off the parking light to indicate engine stopped.

C. TO OPERATE THE VEHICLE WHILE RUNNING ON THE REMOTE START:

To operate the vehicle while running on the remote start.

1. Insert the ignition key and turn it to "ON" (not the start) position.
2. Press the brake pedal.

Note: If the brake pedal is pressed before the key is in the ON position, the engine will shut down.

D. TEMPORARY STOP FEATURE:

This feature allows the vehicle to remain running after the key has been removed from the ignition. This feature is useful for occasions when you wish to exit and lock the vehicle for short periods of time, but would like to leave the motor running and the climate control on.

1. Before turning off the engine, press * button twice on the transmitter and the LED indicator will flash 3 times to confirm enter.
2. Turn the ignition key to OFF position. (The engine will stay running.)
3. The engine will run until the pre-programmed time elapsed or shutdown input is received.

E. TURBO TIMER MODE: (See Start Feature "I - 6" Programming)

Turbo timer mode keeps the engine running after arriving at you destination for a programmable period of 1/ 3 or 5 minutes, This allows the system's time to conveniently cool down the turbo after you have left the vehicle. To activate:

1. While engine is running, place the transmission gear in the park position and pull up the hand brake.
2. Before turning off the engine, press and release  and * buttons at the same time.
-- The parking light will turn on to indicate the remote start has entered turbo charge mode. --
3. Pull off the "Ignition Key" from the key cylinder.
-- Engine keeps running. --
4. Exit and secure the vehicle.
-- Engine continues running until the pre-programmed time elapsed. --

F. TIMER START:

This unit can be programmed to start and run the engine every 3 (2) hours. The engine will run for the programmed run time and then shut down.

IMPORTANT: Timer Start should be used only in open areas, never start and run the vehicle in on enclosed space as a garage or carport.

3 (2) hours timer start: This feature is design for an extreme cold climate usage. The system will auto start the vehicle every 3 (2) hours, to prevent engine freezing and hard to start. A MAXIMUM OF SIX CYCLES CAN OCCUR.

ENTER:

1. Press * button twice to remote start the vehicle. As soon as the vehicle is running and the parking light have turned on or flashing.

2. Immediately depress  button once, within 2 seconds
3. Rapidly depresses  button. The parking light will flash (3) times. The siren or horn chirps (3) times. The vehicle is now programmed to start every 3 (2) hours.
4. Press the brake pedal to stop the vehicle running.

Exit the timer start:

Timer start can be exited manually as follows:

1. Make sure the remote start system is not operating the engine.
 2. Turn the ignition on. The LED and parking light will flash (4) times. The siren or horn chirps (4) times.
- Or
1. Press  button twice to remote start the vehicle. As soon as the vehicle is running and the parking light have turned on or flashing.
 2. Immediately depress  button then press and hold  button for 2 seconds. The parking light will flash (4) times. The siren or horn chirps (4) times. The vehicle is no longer programmed to start automatically.

G. SHUT-DOWN INPUT FOR REMOTE STARTER:

If any of the following conditions exist while the system is operating, the engine will not start or will shut down immediately:

1. The hood is opened.
2. The brake pedal is pressed.
3. Move the optional remote start enable toggle switch to OFF position. (If installed)
4. Engine is over-revved. {"Tachometer checking type" only}
5. The pre-programmed run time (5 / 10 / 20 / 30 minutes) has elapsed.
6. Press  button twice on the transmitter.
7. The vehicle refused to start running after {3} unsuccessful attempts.

H. DISABLING THE REMOTE START SYSTEM: (If installed)

This feature allows your system's remote start unit to be temporarily disabled to prevent the vehicle from being remote started accidentally. This feature is useful if the vehicle is being serviced or stored in an enclosed area. To disable the remote start, move the optional remote start enable toggle switch to the OFF position.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions.

- 1) This device may not cause harmful interference, and
- 2) This device must accept any interference received, including interference that may cause undesired operation.

Per FCC 15.21, you are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.