

SAINT AUTO SECURITY SYSTEM

USER MANUAL



THE COMPLETE AUTO SECURITY SYSTEM OF THE 21ST CENTURY

This device complies with part 15 of the FCC rules.

Operation is subject to the following two conditions:

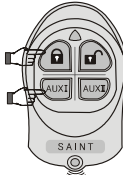
1. This device may not cause harmful interference and
2. This device must accept any interference received,
including interference that may cause undesired operation.

Caution : Any changes or modifications in construction
of this device which are not expressly approved
by the party responsible for compliance could
void the user's authority to operate the equipment.

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Model : ST 2004

Remote Control Transmitter

· ARM	· DISARM	· MUTE ARM	· MUTE DISARM
			

*ARM(Lock): Press  ARM button

*DISARM(Unlock): Press  DISARM button

*MUTE ARM: Press AUX 1 and then Press 

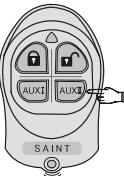
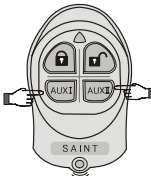
*MUTE DISARM: Press AUX 2 and then Press 

*** Multi purpose channel output *CHANNEL 2 : Press & Hold more than 3 seconds (AUX I Button-Continues output)**

CHANNEL 3 : Press & Hold more than 3 seconds (AUX II Button-Continues output)

CHANNEL 4 : Press & Hold more than 3 seconds (AUX I & AUX II both Buttons-Continues output)

CHANNEL 5 : Press & Hold more than 3 seconds (Disarm/Unlock button-Continues output)

· CHANNEL 2	· CHANNEL 3	· CHANNEL 4	· CHANNEL 5
			

*Press and hold  Button (more then 3 seconds)



Security System Operation

Using the Transmitter to Arm the Security System

1. Exit the vehicle and close all entrances.
2. Press and release the ARM/Lock button on the transmitter. The security system will respond as follows:
 - a. The siren will chirp one time.
 - b. The LED indicator will begin to flash at a steady rate.
 - c. The parking light will flash one time.
 - d. The starter disable relay is activated and will prevent the engine from starting.
 - e. All protected entrances are armed.

The Security System is now fully ARMED!

Automatic Arming (Without using Transmitter)

NOTE : The following information is valid only if your security system has been programmed to Automatically (Passive) arm. Check with your dealer if you are unsure.

Turn off the ignition key and exit the vehicle.

Close all protected entrances.

After the last protected entrance is closed the siren will chirp one time and the LED indicator will begin to flash rapidly. The fast flashing LED indicates that the auto arm timer is counting down and the security system will become armed within 30 seconds.

After 30 seconds has passed, the security system will respond as follows:

Note 1 : Reopening a protected entrance will stop the arming timer. After closing the entrance the timer will begin counting down again from zero.

Note 2 : If the vehicle has a delayed interior lighting system, the auto arming timer will start counting after the interior lighting has turned itself off. This could add up to 30 seconds to the total auto arming countdown time. (Up to 60 seconds total arming delay)

- A. The siren will chirp one time.
- B. The LED indicator will begin to flash slower.
- C. The parking lights will flash one time.
- D. The starter disable relay is activated and will prevent the engine from starting.
- E. All protected entrances are armed.

The Security System is now fully ARMED!

Disarming the Security System (Using the Transmitter)

Press and release the Disarm/Unlock button on the transmitter. The security system will respond as follow:

- A. The siren will chirp two times.
- B. The LED indicator will be off.
- C. The parking lights will flash two times.

NOTE: If you are disarming the security system after it has been triggered and the horn/siren is sounding, the disarm chirps are automatically deleted.

The Security System is now Disarmed!

Valet / Override Switch Operation

Remote mobile security systems are supplied with a push button valet switch. The valet switch is used to override the security system in the event that the transmitters are lost or fail to operate or to put the security system in non-operational mode (valet) for vehicle servicing, etc.

Override Operation by the Valet Switch (Security system is Armed)

- 1. Enter the vehicle. (System will begin sounding at this point)
- 2. Find it valet switch location.
- 3. Place the ignition key into the ignition switch and turn the ignition switch to the ON position.
- 4. Within 5 seconds of turning on the ignition key, push and hold to valet switch.
- 5. Turn off the ignition (The horn/siren will stop sounding)
- 6. The LED indicator will be continuously on.

The security system is overridden and is now in the Valet mode!

How to get out of valet mode (by the Valet switch)

- 1. Turn on the ignition key
- 2. Push and hold to valet switch.
- 3. Turn off the ignition key.
- 4. Release to valet switch.
- 5. When the LED is off, you are out of the valet mode.

Valet Operation by the remote (transmitter) (The security system is already disarmed)

1. Turn the ignition switch to the ON position.
2. Push and hold to arm/lock button until when you hear 1 chirp
3. Turn the ignition switch to the OFF position
4. The LED indicator will be continuously on.

*** Now in the Valet mode!**

How to get out of valet mode (by the remote) Continue from remote valet mode above situation

1. Turn the ignition switch to the ON position.
2. Push and hold to arm/lock button until when you hear 2 chirps
3. Turn the ignition switch to the OFF position
4. The LED indicator will be off.

Remote Panic

Press and hold the ARM/Lock button for more than 3 seconds and the security system will respond as follows:

- A. The horn/siren will begin sounding.
- B. The parking lights will begin flashing.

* To turn off the panic alarm, press and release the ANY button on the transmitter.

The horn/siren will stop sounding and parking lights will stop flashing.

NOTE : If you do not turn off the panic feature with the transmitter, the panic alarm will sound for 60 seconds and then turn off by itself.

User Discretion Mute Arming

SAINT can be instructed to become armed or disarmed without the horn/siren chirps by the remote transmitter. To operate this feature at any time.

- * Mute Arm (Lock): Simply press the AUX & Arm/Lock button within 3 seconds.
- * Mute Disarm (Unlock): Simply press the AUXII & Disarm/Unlock button within 3 seconds.

45 Seconds Re - Arming

If your remote mobile security system has become triggered, the horn/siren will sound for 45 seconds and then stop and reset to a fully armed condition.

NOTE: If a protected entrance is left open, your SAINT will remain triggered for two more 45 seconds cycles then fully re-arm excluding the door input trigger. (Door input trigger is no longer functional) Closing the entrance will reset the door input trigger within 7 seconds.

Secondary RF Protection Mode

Every time you disarm your SAINT with your transmitter, the security system will start an RF protection mode countdown. This is a timed secondary protection mode to insure that the radio signal used to disarm the security system was from your transmitter. After the system is disarmed by radio signal, it will count down for 45 seconds and then become re-armed if no one enters the vehicle.

NOTE : The feature is only active when the automatic arming feature of the SAINT has been programmed on.

Alarm Mode Indicators

1. The LED indicator will provide information on 6 modes of security system operation.

LED is off = Security system is disarmed.

LED is flashing = Security system is armed.

LED is flashing fast = Auto arm timer or RF protection mode timer is counting down.

LED is continuously on = Security system is in valet mode.

LED is flashing in a 2 flash pause sequence = Tamper warning, security system has been triggered from the hood/trunk switch or electronic sensor.

LED is flashing in a 3 flash pause sequence = Tamper warning, security system has been triggered from an opened door.

2. The siren will provide information on 3 modes of security system operation.

One siren chirp = Security system is armed.

Two siren chirps = Security system is disarmed.

Four siren chirps = Tamper warning + security system is disarmed.

3. The parking lights flashes will provide information on 3 modes of security system operation.

One light flash = Security system is armed.

Two light flashes = Security system is disarmed.

Four light flashes = Tamper warning + security system is disarmed.

Contact your dealer for adjustment of these features

Ignition Key Controlled Door Lock/Unlock (Remote door lock/unlock option must be installed)

With this feature activated, the door lock system of the vehicle will become locked 3 seconds after the ignition key is turned to the ON position (all doors). When the ignition key is turned to the OFF position, the door locks will immediately become unlocked (all doors).

Chirp Indicator Delete

De-activating the chirp indication system will eliminate the arm and disarm chirp indicators. For your safety, the tamper warning chirp indicator will always be active.

Automatic Arming

When the automatic arming feature is programmed on, the security system will become armed 30 seconds after the last protected entrance is closed without requiring a signal from the transmitter. (Ignition Key must be off)

Auto Arm Locking (Remote door lock/unlock option must be installed)

If it is desired to have the vehicles door locking system become locked at the same time the security.

The auto arming feature arms the system, the auto arm locking programming should be on.

Upgrade Option & Maintenance

Option #1: Remote power door lock/unlock control

NOTE : Your vehicle must have an electronic door locking system for this feature to operate. Installing option #1 will allow the remote transmitter supplied with your system to lock and unlock your vehicle doors as it arms and disarms your security system.

Option #2: Remote Trunk/Hatch Release

NOTE : Vehicles that are not factory equipped with an electronic trunk release system will require more additional parts than a vehicle with a factory installed trunk release system. Installing option #2 will allow the remote transmitter supplied with your system to open your vehicles trunk or rear hatch. Pressing the AUX 1 button on the transmitter for 3 seconds will open the existing power trunk/hatch release mechanism.

Option #3: Dome light illumination

Installing option #3 will allow your remote mobile security system to turn on your vehicles interior illumination system at the time the security system is disarmed by the remote transmitter. The interior lighting will remain on for 30 seconds after the security system is disarmed. Turning on the ignition key will turn off the interior illumination before 30 seconds.

System Maintenance

The only maintenance that your remote mobile security system requires is a periodic check of it's operation to be sure that all functions are operating properly. The batteries supplied with your transmitter will usually last about 1 year. Heavier usage will shorten battery life. Reduced transmitter range is usually a sign that the battery in the transmitter is becoming weak and should be replaced.

Battery Replacement

Replacement batteries for your transmitter are available in the part department of your dealer. If getting back to your dealer is difficult, replacement batteries can also be located in most drug stores and camera shops. To replace the battery, remove the small phillips screw from the transmitter case and pull apart the top and bottom case halves. Remove the battery from It's holder. Insert the new battery in place of the old one observing the batteries +/- polarity. Gently snap the top and bottom case halves together (DO NOT force them together) and replace the phillips screw (DO NOT over tighten the screw).

Replacement Transmitters

In the event that the transmitter supplied with your remote mobile security system becomes damaged or lost, return to your dealer to purchase a new one.

Limited Life Time Warranty

TORNADO Audio, Inc. or its authorized agents will, for the life of the vehicle and to the original purchaser, repair, replacement or refund the retail sales price of said product or any part thereof, at the option of the TORNADO Audio, Inc. or its authorized agents, if said product or part is found defective in materials or workmanship, when properly connected and operating on the correct power requirements designated for the specific product.

This warranty and TORNADO Audio, Inc. or its authorized agents obligations, thereunder do not apply where the product was damaged while in the possession of the consumer, subjected to unreasonable or unintended use, not reasonably maintained, utilized in commercial or industrial operation, or serviced by anyone other than TORNADO Audio, Inc. or its authorized agent, or where the warning seal on the product is broken or the power plugs or wires are detached from unit. TORNADO Audio, Inc. or any of its authorized agents do not assume any labor costs for the removal and reinstallation of any product found to be defective, or the cost of transportation to TORNADO Audio, Inc. or its authorized agents. Such costs are the sole responsibility of the purchaser.

This warranty does not cover the cabinet, appearance items, normal wear and tear or accessories used in connection with the product resulting from improper installation, alteration, accident, misuse, abuse or acts of nature.

This Limited Life Time Warranty applies only to the receiver section of the security system. Neither the siren, transmitters, wire harness or any accessory item added to or used with a remote mobile security system are covered by this Limited Life Time

Warranty. Siren, transmitters, wire harness or any accessory item are covered by our standard 12 month limited warranty.

TORNADO Audio, Inc. or its authorized agents shall not be liable to anyone for consequential or incidental damages or claims that may arise due to failure of product to operate properly except those accorded by law. TORNADO Audio, Inc. or its authorized agents liability to the repair, replacement of the product as started above if all conditions of the warranty is met. No expressed warranty or implied warranty is given except those set forth herein. TORNADO Audio, Inc. does not warrant or guarantee against break in damage or the theft of the vehicle in part or whole, or against the loss or damage to the contents of any vehicle in which a security system is installed. TORNADO Audio, Inc. security systems are only a deterrent against possible theft.

This warranty extends only to the original purchaser of the product and for the vehicle in which it was originally installed. This warranty is not transferable or assigned to any person or vehicle. Defective merchandise should be returned to the original point of purchase or secondly to TORNADO Audio, Inc. 6860 Orangethorpe Ave. Unit A Buena Park, CA 90620 U. S. A.

A return authorization must be obtained before sending, or merchandise may be refused.