



Model APS-101N

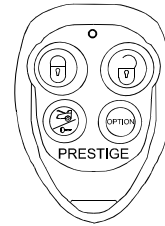
Owners Manual

4 Button Remote Security System

Important: In order to provide you and your vehicle with the highest level of security, Having a thorough working knowledge of your security system will afford you the highest level of personal protection. We urge you to read this manual completely to take advantage of all the features included with this security system.

Features:

- ◆ 2 Four-button Transmitters
- ◆ Three Channel Code Learning Receiver
- ◆ Negative Pulsed Door Lock Outputs
- ◆ Selectable Single Or Double Door Lock Output Pulse
- ◆ Selectable Ignition Control Door Lock/Unlock On/Off
- ◆ Selectable Passive Or Active Arming
- ◆ Selectable Passive Or Active Door Lock
- ◆ 7 Function LED Indicator
- ◆ Intrusion Zone Chirp With Memory
- ◆ Onboard Light Flash Relay
- ◆ Negative And Positive Door Trigger Inputs
- ◆ Additional Negative Trigger Input
- ◆ Single Tone Siren
- ◆ On-Board Multi Level Dual Stage Shock Sensor



Options:

- ◆ Remote Trunk Release Vehicle Must Have Electric Trunk Release (May Require Relay)
- ◆ Remote Door Lock Control Of Existing Electric Door Lock
- ◆ Capable Of Operating Multiple Vehicles With Similar Audiovox Systems
- ◆ Starter Inhibit Circuit, Relay Required
- ◆ Remote Start Optional Module Required
- ◆ Remote Window Control Optional Module Required

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ARMING THE SYSTEM - ACTIVE

1. Turn off the engine, exit the vehicle, and close all doors, hood lid, and trunk lid.
2. Press and release the Lock button on the keychain transmitter.

- Red dash mounted LED begins to flash slowly.
- Parking Lights flash one time.
- Siren sounds one chirp.

If the siren sounds 3 chirps, then you have left a door, trunk, or hood lid ajar. Simply close the opened entry point to provide full protection. If the siren did not sound when arming, then the chirps have been turned off, and you should refer to the section titled "ELIMINATING THE ARM / DISARM CHIRPS" in this manual.

- Doors Lock - Optional

SILENT ARMING - ACTIVE

1. Turn off the engine, exit the vehicle, and close all doors, hood lid, and trunk lid.
2. Press both Lock & Unlock buttons on the keychain transmitter.

- Red dash mounted LED begins to flash slowly.
- Parking Lights flash one time.
- Siren will not sound.

If the siren sounds 3 chirps, then you have left a door, trunk, or hood lid ajar. Simply close the opened entry point to provide full protection.

- Doors Lock - Optional

NOTE: Must be selected on during installation

ARMING THE SYSTEM - PASSIVE (AUTOMATIC)

1. Turn off the engine, exit the vehicle, and close and lock all doors, hood lid, and trunk lid.
 - Red dash mounted LED begins to flash rapidly, indicating 30 second passive arming has begun.
2. Opening any protected entry point during the 30 second passive arming cycle will immediately suspend automatic arming, and the 30 second passive arming cycle will re start when all doors are closed. At the end of the passive arming cycle;

- Red dash mounted LED begins to flash slowly.
- Parking Lights flash one time.
- Siren sounds one chirp
- Doors Lock - Optional

Door locking during passive arming is a selectable feature. The alarm can be programmed to allow the doors to lock only when arming using the keychain transmitter, and they will not automatically lock during passive arming.

PROTECTION WHILE THE SYSTEM IS ARMED

- Opening any protected door, hood, or trunk lid will cause the alarm to immediately sound. The alarm will continue to sound for 30 seconds, then stop and continue to monitor all protected entry points. If the thief left a door opened, the alarm will sound for six 30 second cycles, remain armed and ignore that triggered zone.
- Whenever the system is armed, the red dash mounted LED indicator will slowly flash. This serves as a visual deterrent to the potential thief. The LED is a very low current bulb, and will not cause the vehicle's battery to drain, even when left unattended for extended periods.
- Whenever the system is triggered, the vehicle's parking lights will flash for the full 30 second alarm cycle, attracting visual attention to the vehicle.

- Whenever the system is armed, the vehicle's starting circuit will be bypassed. If the thief should choose to ignore the siren, the vehicle can not be started.
- Any strong impact to the vehicle's glass/body will cause the alarm to trigger for the full 30 second alarm cycle. A milder impact will cause the siren to emit a few short warning tones.

DISARMING THE SYSTEM

1. As you approach the vehicle, press and release the Unlock button on the keychain transmitter.

- Red dash mounted LED turns off.

If passive arming is selected, the LED will start flashing rapidly, indicating that the system is re arming automatically. Open any door to suspend the automatic arming.

- Parking Lights flash two times.

If the parking lights flashed three times, then the alarm was triggered in your absence. Before turning the key on, examine the LED to identify which zone was triggered.

- Siren sounds two chirps.

If the siren sounds 4 chirps, then the alarm was triggered in your absence. Before turning the key on, examine the LED and refer to the INTRUSION WARNING SIGNALS section of this manual to identify which zone was triggered.

If the siren did not sound when disarming, then the chirps have been turned off, and you should refer to the section titled "ELIMINATING THE ARM / DISARM CHIRPS" in this manual.

- Doors Unlock - Optional

NOTE : Anytime the system is disarmed, the unit will rearm automatically unless a door is opened. This will occur regardless of the arming method selected.

SILENT DISARMING

1. As you approach the vehicle, press both Lock & Unlock buttons on the keychain transmitter.

- Red dash mounted LED turns off.

If passive arming was selected during the installation, then the LED will start flashing rapidly, indicating that the system is re arming automatically. Open any door to suspend the automatic arming.

- Parking Lights flash two times.

If the parking lights flashed three times, then the alarm was triggered in your absence. Before turning the key on, examine the LED to identify which zone was triggered.

- Siren will not sound.

If the siren sounds 4 chirps, then the alarm was triggered in your absence. Before turning the key on, examine the LED and refer to the INTRUSION WARNING SIGNALS section of this manual to identify which zone was triggered.

- Doors Unlock - Optional

NOTE: Must be selected on during installation.

INTRUSION WARNING SIGNALS

This system will inform you if an intrusion attempt has occurred while you were away from the vehicle. If an intrusion attempt has occurred, the siren will chirp 4 times and the parking lights will flash 3 times when disarming the system. Enter the vehicle, and observe the red dash- mounted LED to identify which zone was triggered.

If the LED is flashing one time...pause...one time...pause...etc., then the shock sensor was activated in your absence.

If the LED is flashing two times...pause...two times...pause...etc., then an intrusion attempt was made to a hood or trunk pin switch that was added to the system.

If the LED is flashing three times...pause...three times...pause...etc., then an intrusion attempt was made through one of the vehicle's doors.

These intrusion warning indicators are stored in the system's memory, and will only be erased when the ignition key is turned on.

Valet Mode:

The valet switch allows you to temporarily bypass all alarm functions, eliminating the need to hand your transmitter to parking attendants or garage mechanics. When the system is in valet mode, all alarm 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 keychain transmitter, or by operating the manual override sequence.

1. From the disarmed condition, turn the ignition key to the on position.
2. Press and hold the valet pushbutton switch until the dash mounted LED, (Light Emitting Diode) turns on. The LED will remain on as long as the system is in valet mode.
3. To return to normal operation, turn the ignition switch on, then press and hold the pushbutton switch until the LED turns off.

NOTE: Always remember to return the system to the NON VALET mode, after servicing, to ensure that the vehicle remains protected at all times.

MANUALLY OVERRIDING YOUR SYSTEM:

Using The Valet / Manual Override Switch:

Your Security System can be disarmed without the use of the keychain transmitter. This is necessary, since you will need the ability to operate your vehicle if the transmitter is lost or its battery fails.

To override the system:

1. Open the vehicle door. The alarm will sound.
2. Turn the ignition key to the on position.
3. Within 10 seconds, press and release the valet push button switch.

The alarm system will stop sounding and enter the disarmed mode. You can now start and operate the vehicle normally.

Typically this override mode is used only if the transmitter has become inoperative. You may elect to enter the VALET mode until repair or replacement of the transmitter, after which, returning the system to the full operation mode is necessary. To do so, see the heading VALET SWITCH.

ELIMINATING THE NORMAL ARM / DISARM CHIRPS

As explained earlier in the manual, you can eliminate the chirps selectively any time you arm or disarm the system simply by pressing both transmitter buttons. If you find the normal arming and disarming chirps annoying, they can be turned off permanently, eliminating the need to press both buttons. To turn chirps off permanently, selectable features # 6 must be turned off in the feature programming section of the installation manual. Refer to this manual or consult with your installation technician to have this feature turned off.

NOTE: Whenever the chirps are bypassed, the 4 chirp intrusion indicator and 3 chirp defective zone indicator will always operate. Since these are important warnings to you that something has happened, they cannot be eliminated.

Arming Without Shock:

This system has the ability to allow the sensor to be defeated, from the transmitter, entirely for one arming cycle. To eliminate the sensor for one arming cycle:

Press the lock button of the transmitter, siren chirps once, and immediately press the lock button a second time, siren chirps one long chirp. The system is armed but the shock sensor is bypassed for one arming cycle.

REMOTE PANIC OPERATION

The Lock/Arm and Unlock/Disarm button on your keychain transmitter also functions as a panic switch for use in emergency situations. To use remote panic,

1. Press and hold this button on the keychain transmitter for 3 or more seconds. The alarm will immediately sound.
2. To stop the alarm, press and hold the button on the transmitter again for 3 seconds. If the button is not pressed, the alarm will automatically stop after 30 seconds.

NOTE: Pressing the Trunk or Option button of the transmitter while in the panic mode will cause the siren to immediately stop sounding.

ADDITIONAL REMOTE FUNCTION (CHANNEL 2)

This security system has an additional feature that can be connected to a number of different optional accessories. Some of the more common uses for this channel are;

- Remote Trunk Release
- Remote Car Starter
- Remote Window Closure

To activate the optional accessory, press and hold the Trunk/Key button on the keychain transmitter for two seconds.

Car Locator:

Anytime during the armed mode, if the Trunk/Key button is pressed within range of the vehicle, the siren will chirp 6 times and the parking lights will flash 12 times allowing easy location of the vehicle in a crowded parking light.

Transmitters Included With This Kit:

The transmitters are programmable and at times it may become necessary to replace transmitters if they become broken or if they are stolen. If this is the case, order replacement transmitters from Audiovox Customer Service @ 1800-645-4994. The transmitters packaged with this kit are 91P

To Program new or replacement transmitters:

1. Enter the vehicle, and turn the ignition key to the "on" position.
2. Press and release the valet/override/program push button switch 3 times.
3. The dash LED will flash one time and the siren will "chirp" 1 time indicating the system is ready to accept programming for channel 1 Lock/Arm and Panic.
4. Press and hold the lock button of the first transmitter until the parking lights flash and a long chirp is heard from the siren

Repeat for each transmitter to be programmed. Note a maximum of 4 transmitters can be programmed.

Turn the ignition switch off or allow 15 seconds of inactivity to exit the transmitter program mode.

By completing the above, both buttons of the transmitters are programmed into their default location.

| | | |
|---------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lock Button | = | Lock/Arm, Panic On & Off |
| Unlock Button | = | Unlock/Disarm, Panic On & Off |
| Trunk Button | = | Trunk Release, Panic Cancel, & Car Finder. Press & Hold 2.5 seconds to release trunk, Press while Panic Sounding to cancel panic immediately. Car finder anytime during the armed mode. |
| Option Button | = | Use for an additional external function or a second vehicle similarly equipped with an Audiovox Alarm |

On-Board Shock Sensor Setting:

1. Enter the vehicle, and turn the ignition key to the "on" position.
 2. Press and release the valet/override/program push button switch 3 times. Siren Chirps Once & Led Flash Once
 3. Turn the ignition off than on, you will hear short chirp followed by long chirp.
 4. Turn the ignition off then on, you will hear two long chirps indicating that you are in the shock adjust mode.
 5. Press the lock button to increase, and the Unlock button to decrease. The siren will chirp 1-14 times 1 being lowest and 14 being highest. Firmly strike the bumper of the vehicle during the setting until you find the desired setting for the Full Trigger Stage.
 6. Press both the Lock & Unlock buttons of the transmitter simultaneously until the siren emits two long siren chirps indicating that you are in the Pre-Detect stage.
 7. Press the Lock button to increase, and the Unlock button to decrease. The siren will chirp 1-14 times 1 being lowest and 14 being highest. Firmly strike the bumper of the vehicle during the setting until you find the desired setting for the Pre-Detect Stage.
- Once you have achieved the desired setting, either turn the ignition off or allow 60 seconds of inactivity to expire to exit the Shock Adjust Mode. Exit of the shock adjust mode is indicated by the siren emitting 3 long chirps.

CAUTION: Never perform this test on the vehicle's glass, as you may break the window.

WARNING ! Setting the sensitivity too high can cause false alarms due to noise vibrations from passing trucks and heavy equipment. To decrease sensitivity, follow steps 1-5 above and use the trunk button to decrease.

BATTERY REPLACEMENT

The transmitter incorporates a small LED visible through the case which is used to indicate battery condition. You will notice a decrease in transmitter range as the battery condition deteriorates. Transmitter battery replacement is recommended at least every 10 to 12 months, depending upon how frequently the transmitter is used.

To replace the battery in the 91P Transmitter

- 1) Carefully pry apart the case using the edge of a coin as shown.
- 2) Remove the rear cover to access the discharged battery paying attention to the proper polarity orientation.
- 3) Carefully remove and properly dispose of the discharged battery.
- 4) Insert the new battery, than carefully snap closed the transmitter case.
- 5) If you accidentally dislodge the circuit board from the transmitter housing, be certain that the rubber membrane is seated properly, and the buttons are properly exposed from the front view of the case, then insert the circuit board, and return to step #4.

91P Uses 2 x CR2016 Lithium Battery



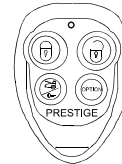
ORDER FORM FOR 91P Transmitter

Attention: Transmitter Ordering Department

Important: To help us expedite your order, please print all of the information legibly and mail this form and your payment according to the instructions below.

Indicate the pad number of your transmitter selected from the pads shown above.

Note: Transmitter model number found on back of case.



1) Name: _____

2) Address: _____

3) City: _____ State: _____ Zip Code: _____

4) Telephone Number: (____) _____

5) Total Number Of Transmitters Required: _____

Cost Per Transmitter is: \$65.00

Multiply By Number Of Transmitters X _____

6) Enter Total Amount Enclosed _____

(New York State Residents must include the appropriate sales tax)

7) Method of Payment:

Mastercard Visa Check or Money Order (do not send cash)

Make Checks Payable To Audiovox Corporation

CreditCard Number: _____

Credit Card Expiration Date: ____ / ____ / ____

8) Mail this form along with your payment to:

Credit card purchasers can order additional or replacement transmitters by phone. Simply dial 1 - 800 - 645 - 4994, and follow the instructions from the operator interface.

**Audiovox Electronics Corp., 150 Marcus Blvd., Hauppauge, N.Y., 11788
Attn.: TRANSMITTER DEPARTMENT**

APS-101N
SYSTEM FUNCTIONS AT A GLANCE

DASH LED INDICATIONS

| | | |
|-----------------------|---|----------------|
| Rapid Flashing | = | Passive Arming |
| Slow Flashing | = | Armed |
| Off | = | Disarmed |
| On Solid | = | Valet Mode |
| 1 Flash Pause, etc... | = | Shock Sensor |
| 2 Flash Pause, etc... | = | Hood Or Trunk |
| 3 Flash Pause, etc... | = | Doors |

SIREN CHIRP INDICATIONS

| | | |
|------------|---|------------------------|
| 1 Chirp * | = | Arm |
| 2 Chirps * | = | Disarm |
| 3 Chirps | = | Arm With Zone Active |
| 4 Chirps | = | Disarm After Intrusion |

* These Chirps Can Be Selected Off In Programming Or With The Transmitter

LIGHT FLASH INDICATIONS

| | | |
|-----------|---|------------------------|
| 1 Flash | = | Arm |
| 2 Flashes | = | Disarm |
| 3 Flashes | = | Disarm After Intrusion |

Your System Has These Features Activated

- Remote Lock / Unlock
- Automatic Lock / Unlock With Ignition
- Passive Arming
- Passive Locking
- Siren Operational

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