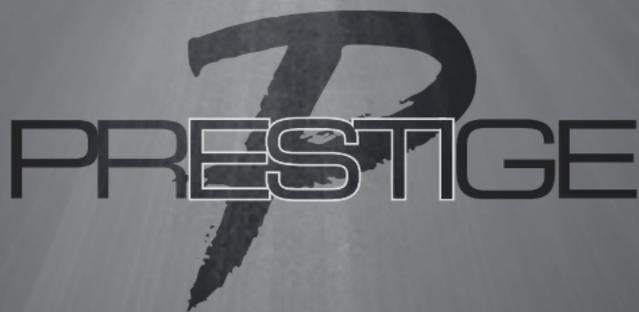


OWNER'S GUIDE
MODEL APS787Z
SECURITY / REMOTE START



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Using Your Remote Control

Arming the Security System

To arm the system, exit the vehicle, close all doors, then press the  button. The parking lights will flash one (1) time, indicating the system is armed, has locked the doors (if equipped and connected) and activated the starter disable feature. The LED status indicator will blink steadily, once per second.

NOTE: The system is equipped with a feature called Silent Choice. If enabled, the system requires a second press of the  button to activate an audible arming response from the vehicle.

Disarming the Security System

To disarm the system press the  button. The parking lights will flash two (2) times, indicating the system is disarmed and has unlocked the doors (if equipped and connected).

NOTE: The system is equipped with a feature called Silent Choice. If enabled, the system requires a second press of the  button to activate an audible disarming response from the vehicle. If your system is set up for 2 stage unlock, a third press of unlock will activate the audible response.

Two Stage Door Unlock (Optional)

If this feature is enabled on your system, pressing the  button one time will unlock only the driver's door. Press  again within five (5) seconds to unlock the remaining doors.

Activating the Trunk Release Feature (Optional)

If this feature is enabled on your system, pressing and holding the  button for three (3) seconds will open the vehicle's trunk or hatch.

Activating the AUX Ch. 4-7 Output (Optional)

AUX channel output is an optional feature and programming is required at the time of installation. Please consult your dealer for more information.

Using the Personal Protection Alarm (Panic)

Press and hold the  or  button for three (3) seconds to activate the personal protection alarm. The remote control's  and  buttons can be used to lock and unlock the doors (if the option is installed). To stop the alarm, press and hold the  or  button on the remote control again for three (3) seconds. The system will automatically stop after thirty (30) seconds.

Bypassing The Shock Sensor

The included security shock sensor has two stages of detection, Warn-Away and Full Trigger. To arm the system and shock sensor press the  button. The system will chirp and the lights will flash one (1) time.

To Arm the system and bypass the Warn-Away detection stage press the  button two (2) times within five (5) seconds.

To Arm the Alarm the bypass both detection stages press the  button three (3) times within five (5) seconds.

City Mode

City Mode allows the user to change the sound of the alarm system to make it easily identified when the alarm is triggered. To enter City Mode press the  button four (4) times within ten (10) seconds.

User Selectable Notification Chirps

System ARM/DISARM chirps can be toggled ON or OFF without entering the programming feature banks.

1. Turn the ignition ON then OFF.
2. Press and release the valet button three (3) times.

The system will respond with one (1) chirp for ON or two (2) chirps for OFF.

User Selectable LED

This feature will control whether the LED is ON or OFF when the system is Armed/Locked and can be toggled ON or OFF without entering the programming feature banks.

1. Turn the ignition ON, OFF, ON, OFF.
2. Press and hold the valet button for five (5) seconds.

The system LED will respond with one (1) flash for ON or two (2) flashes for OFF.

Programmed Transmitter Notification

As a security precaution each time the vehicle's ignition is turned on the status LED light will flash the number of remote controls programmed into the system. This helps to identify unauthorized remote controls from accessing your vehicle. If you believe an unauthorized remote control has been programmed to your system, contact your dealer for assistance.

Valet Mode

When valet mode is activated the status LED will light solid, and all security will be disabled. To enter or exit valet mode simply follow the steps outlined below:

1. Turn the vehicle's ignition ON.
2. Push and hold the valet button.
3. The LED will turn on solid when valet mode is active.
4. Release the valet button.

Manually Overriding the Security System

Your system can be disarmed without the use of the remote control. This is necessary to operate your vehicle if the remote control is lost or its battery fails. To by-pass the alarm system;

1. Open the vehicle door. The alarm will sound.
2. Turn the ignition key to the ON position.
3. Within ten (10) seconds, press and release the valet button.

The alarm system will stop sounding and enter the (by-passed) mode. You can now start and operate the vehicle normally.

Stand Alone Valet Override (Optional)

Your system can be disarmed without the use of the remote control or valet button. This is necessary, since you will need the ability to operate your vehicle if the remote control is lost or its battery fails. To by-pass the alarm system;

1. Open the vehicle door. The alarm will sound.
2. Cycle the ignition key ON, OFF, ON.
3. Within ten (10) seconds, press and release the Brake pedal three (3) times.

The alarm system will stop sounding and enter the (by-passed) mode. You can now start and operate the vehicle normally. This feature must be programmed ON by an authorized dealer.

Custom Code Valet Override (Optional)

Unlike the default Valet Override, Custom Code Override is a user personalized code that offers a higher level of security. If the user chooses to use Custom Code Override, Feature Bank 2 ; Feature 9 must be programmed for "Custom Code". Once the option has been selected the code must be programmed. Once the Custom Code is programmed it cannot be changed without first disarming the alarm.

Custom Code Override Procedure

The Custom Code is made up of 2 numbers. Each chosen number must be between digits 1-9. The default Custom Code is "11". To disarm the alarm using the Custom Code option:

1. Turn the vehicle ignition to ON.
2. Within five (5) seconds, Press the valet button one (1) time.
3. Within five (5) seconds, Turn the ignition OFF/ON.
4. Within five (5) seconds, Press the valet button one (1) time.
5. Turn the vehicle ignition to OFF then ON to start the vehicle.

Custom Code Programming Procedure

In this example, the user has selected Custom Code "23". To program a user selected custom code:

Start with the alarm disarmed.

1. Turn the ignition to the ON position.
2. Within ten (10) seconds, press the valet button three (3) times to enter programming.
3. Within ten (10) seconds, Cycle the ignition OFF/ON, OFF/ON, OFF/ON. The system will beep one (1) time.
4. Within ten (10) seconds, Press the valet button two (2) times. This number will indicate the first digit of the chosen Custom Code.
5. Within ten (10) seconds, Cycle the ignition OFF/ON.
6. Within ten (10) seconds, Press the valet button three (3) times. This number will indicate the second digit of the chosen Custom Code.
7. Cycle the ignition OFF.

If the Custom Code was accepted the LED will flash the first number (2), pause, then the second number (3). This will repeat two (2) more times to confirm the Custom Code entry. If after fifteen (15) seconds the LED does not flash please repeat steps 1-7.

Using Your Remote Starter

Remote Starting Your Vehicle

To activate the remote start function, press and release the  button two (2) times within two (2) seconds. The system will sound, the parking lights will flash one (1) time and the system will check the vehicle to ensure it is safe to start. If all safety parameters are correct, the vehicle will start. The vehicle's parking lights will turn on (or flash depending on system settings) as a visual indication that the vehicle has started and is running.

If your vehicle stalls or does not start, the system will pause five (5) seconds, then try two (2) more times to start (a total of three (3) attempts). The system will pause five (5) seconds between each start attempt.

Remote Start Shutdown

Press and release the  button two (2) times to turn the vehicle off.

Entering the Vehicle while it is Running via Remote Vehicle Start (Optional)

1. Unlock the vehicle's doors.
2. Enter the vehicle. DO NOT PRESS THE BRAKE PEDAL!
3. Insert the key into the ignition switch and turn to the ON or RUN position.
4. Press the brake pedal.

The remote vehicle starter will disengage and the vehicle will operate normally.

Preheating or Precooling the Vehicle's interior

Before exiting the vehicle, set the temperature controls to the desired setting and operation. After the system starts the vehicle, the heater or air conditioner will activate and heat or cool the vehicle's interior to your setting.

Remote Start Safety Features

For safety and security reasons, the system will shutdown or prevent the remote vehicle starter from activating if any of the following occur:

- The vehicle's hood is open.
- The brake pedal is pressed prior to turning the ignition key to the ON position.
- The engine is over-revved (tach checking only).
- Remote Start Service Mode is active. Refer to the Valet Mode section of this manual on page 11.
- Remote Start Ready Mode is not set. Manual transmission vehicles only.

Remote Start Ready Mode must be enabled if your vehicle is equipped with a manual transmission.

Remote Start Ready Mode - Manual Transmission Vehicles Only

To activate the remote start function, the system must first be in Remote Start Ready Mode. Follow the steps below to enter remote start ready mode.

- While the engine is running by the ignition key;
 1. Place the transmission in neutral.
 2. Set the parking brake.
- With your foot off the brake pedal;
 1. Press and release the  button to activate the remote start. The parking lights will turn on to confirm the system has remote started.
 2. Remove the keys from the ignition, the vehicle will remain running.
 3. Exit the vehicle and close all vehicle doors.
 4. Within two (2) minutes of step 1, press the  button to lock the vehicle's doors.

The vehicle will shutdown and sound two (2) short chirps then one (1) long chirp to confirm ready mode is set.

To Enter & Exit the Vehicle while (Manual Transmission) Remote Start Ready Mode is already active without cancelling Remote Start Ready Mode.

If ready mode has already been activated and you need to enter the vehicle, possibly to retrieve an item, and will exit the vehicle without driving it, you can keep ready mode active by following the steps below.

1. With Ready Mode already previously set, activate the remote start.
2. While under control of the remote start open vehicle door to retrieve items.
3. Exit the vehicle and close all doors.
4. Press the  button.

The unit waits three (3) seconds and then shuts down, the system will verify all doors have been closed then will emit the two (2) short / one (1) long chirp and light flash pattern indicating Manual Transmission Ready Mode is active.

Note: If the two (2) short / one (1) long chirp is not heard then Ready Mode has not been set.

■ Cancelling Remote Start Ready Mode - Manual Transmission Vehicles Only

The system will exit remote start ready mode if any of the following occur:

- Open any door.
- Open the hood or trunk (if connected).
- Press the brake.
- Release the parking brake.
- Turn the ignition ON.

■ Using the “Quick-stop” Feature (Optional)

If you want to make a short stop and keep your vehicle running (to keep the interior warm or cool), the quick-stop feature allows you to do this while keeping your vehicle secure and your keys with you.

To engage Quick Stop:

1. Stop the vehicle and place the transmission in PARK.
2. With your foot off the brake pedal, press and release the  button two (2) times within 2 seconds. The parking lights will turn ON to confirm quick stop is entered.
3. Remove the keys from the ignition and exit the vehicle. Press the  button to lock the vehicle's doors if desired.

To engage Quick Stop - Manual Transmission Vehicles:

1. With the vehicle running, foot off the brake, parking brake set ON.
2. Press and release the  button to activate remote start.
3. Exit the vehicle close all doors (Door Open/All Doors Close)
4. Press and release the  button.
5. Within 3 seconds press the  button:

The unit enters Quick Stop Mode and will remain running until remote start time-out and then shuts down. (Remote Start Ready Mode is now active)

Note: Do not leave children or animals unattended in the vehicle when using the quick-stop feature.

Operating the 2 / 4 Hour Start Up Timer Mode

The system has the ability to start the vehicle every two (2) or four (4) hours for a forty-eight (48) hour period. This feature is especially useful in cold climates where the only means to keep the engine and engine fluids warm is to periodically start the engine. The default setting is four (4) hours.

WARNING!

Be certain that the vehicle is outdoors before using this or any remote starting device. A running engine produces dangerous carbon monoxide fumes which can be harmful or fatal if prolonged exposure occurs. **DO NOT** remote start the vehicle if it is garaged.

To configure 2 / 4 hour start timer mode:

1. Press and hold the valet button.
2. Cycle the vehicle's Ignition ON/OFF one (1) time.
 - To set for 2 Hour (default) - Press the valet button two (2) times. The Parking lights will flash two (2) times for confirmation.
 - To set for 4 Hour (default) - Press the valet button four (4) times. The Parking lights will flash four (4) times for confirmation.

To activate the 2 / 4 hour start timer mode:

1. Start the vehicle and let it run for more than fifteen (15) seconds.
2. Cycle the vehicle's Ignition to the OFF position.
3. Press and release the  button on the remote four (4) times.

The vehicle's parking lights will flash four (4) times to confirm the timer mode is activated.

To exit the 2 / 4 hour start up timer mode:

- Remote start the vehicle using the remote control.
- Start the vehicle normally using the Ignition key.

Turbo Timer (Optional)

This option will keep the engine running to allow the vehicle's turbo to properly cool down before shutting the engine off.

To engage the Turbo Timer feature:

1. With the vehicle running via the ignition key and your foot off of the brake pedal. Engage the vehicle's parking brake.
2. The vehicle's parking lights will turn on to verify the Turbo Timer feature has been activated.
3. Turn the ignition key OFF, the vehicle will continue to run until the pre-programmed time has elapsed (1, 3, or 5 minutes).

To disengage the turbo timer feature, press the vehicle's brake pedal.

Remote Start Service Mode

For safety, the remote start feature can be disabled to prevent accidental starting while the vehicle is being serviced.

To engage Remote Start Service Mode

1. Press and hold the valet override button.
2. Cycle the vehicle's ignition ON/OFF three (3) times.
3. Release the valet override button.

The LED will begin to flash two (2) short flashes followed by one (1) long flash to indicate Remote Start Service Mode is active. Repeat steps 1-3 above to disengage Service Mode.

Status LED, Light Flashes, and Horn Indications

Status LED Flash Indications

LED Flashes

OFF

Slow Flash

Fast Flash

ON (Solid)

1 Flash / Disarmed

2 Flashes / Disarmed Zone 2

3 Flashes / Disarmed Zone 3

Function

Disarmed

Armed

Passive Arming Countdown

Valet Mode

Zone 1 Trigger, Shock Sensor

Trigger, Trunk / Hood

Trigger, Door

Siren/Horn Chirp Indications

Chirps

1

2

3

4

Function

Arm

Disarm

Door Ajar Upon Arming

Disarm / Triggered

Parking Light Flash Indications

Flashes

1

2

3

ON (Solid or Slow Flash)

Function

Arm

Disarm

Disarm / Triggered

Remote Started

Remote Start Shutdown Diagnostics

Parking Light Flashes

1 Flash

2 Flashes

3 Flashes

4 Flashes

5 Flashes

6 Flashes

7 Flashes

8 Flashes

Shutdown Zone

Runtime Expired

Remote Shutdown

Brake ON

Manual Transmission Ready Mode

Hood Open

Low Tach Signal

Tach / Crank Average not learned

High Tach Signal

Programming Your Remote Control

1. Cycle the vehicle ignition ON.
2. Press and release the valet button three (3) times.
3. Press the  button of each remote control you wish to program, the parking lights will flash to confirm each remote control has been programmed
4. Turn the vehicle ignition OFF.

NOTE: This system has one (1) button programming which programs all channels of the system.

NOTE: The system will hold up to four (4) remote controls in memory, programming a 5th remote control will erase the oldest remote control in memory.

Replacing The Batteries

5 Button Remote Control - Model 185SP

The CR2032 battery inside each remote control should last approximately 1 year under normal use. When the batteries become weak you will notice the remote control range (the distance from the vehicle the remote control will work) deteriorate and the small LED on the remote control will dim. To replace the remote control batteries:

1. Using a coin, disassemble the halves of the remote control.
2. Remove the old battery, observing the +/- symbols on the batteries and replace with a new battery.
3. Reassemble the halves of the remote control.
4. Test operation of the remote control.

NOTES





LIMITED LIFETIME WARRANTY

Voxx Electronics Corporation (the Company) warrants to the original purchaser of this product that should this product or any part thereof, under normal use and conditions, be proven defective in material or workmanship within the Lifetime from the date of original purchase in the original vehicle, such defect(s) will be repaired or replaced with new or reconditioned product, (at the Company's option) without charge for parts or repair labor. A transmitter for a vehicle security or remote start system is warranted for 12 months from the date of original purchase.

To obtain repair or replacement within the terms of this Warranty, the product is to be delivered with proof of warranty coverage (e.g. dated bill of sale), authorization number, specification of defect(s), transportation prepaid, to an approved warranty station. This warranty is not transferable.

This Warranty does not cover damage to the vehicle's electrical system or costs incurred for the installation, removal or reinstallation of the product. This Warranty does not cover batteries, broken LCD transmitter display screens, nor apply to any product or part thereof which, in the opinion of the Company, has suffered or been damaged through alteration, improper installation, mishandling, misuse, abuse, neglect, accident, or by removal or defacement of the factory serial number/bar code label(s).

This Warranty is in lieu of all other express warranties or liabilities. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 24 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY. No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

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Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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FCC COMPLIANCE

This device complies with Part 15 of the FCC rules and with RSS-210 of Industry Canada. 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 any interference that may cause undesired operation.

Warning!

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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