



APSPS1

Power Sports Security System

Installation and Reference Guide

Thank you for trusting Prestige products! **If you are a consumer, please note: Professional installation is strongly recommended.**

This manual assumes the installer has adequate knowledge of the following expertise. Therefore, it does not cover these topics in detail:

- **12-volt electronics**
- **Testing and verifying circuits**
- **Making safe and lasting wiring connections**
- **Factory ignition, power, lighting, data bus and sensing systems**
- **Factory systems and components to avoid**
- **Safe wire routing, circuit protection and product placement**
- **Access to vehicle-specific technical information**

In addition, this manual assumes the installer has the **proper tools, skill and facilities** to perform a professional installation. **Performing an improper installation could result in damage to the vehicle or its components, improper system function, unsafe vehicle operation or physical injury.** Such instances would not be covered by the vehicle manufacturer's warranty, nor by Voxx Electronics, Inc.

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Detailed Descriptions: Wire Harness Colors and Functions

Main Harness [See page 12 for the full system diagram.](#)

1. RED – 12-Volt Input (+)

The RED wire connects to the vehicle's primary 12-Volt (+) wire to power the system.

Verification: The power wire registers 12-Volt (+) at all times.

Note: Before making this connection, remove all module fuses until the system is completely connected.

2. YELLOW – Ignition Input (+)

The YELLOW wire connects to the vehicle's primary ignition wire. This wire will be used for system programming and override.

Verification: This ignition wire registers 12-Volt (+) when the key is in the accessory, ignition, and start positions.

Note: Before making this connection, remove all module fuses until the system is completely connected.

3. BLACK – Ground Input (-)

The BLACK wire connects to a reliable vehicle ground (-) source to power the system.

Verification: The vehicle ground (-) source wire registers ground (-) at all times.

Note: Before making this connection, remove all module fuses until the system is completely connected.

4. WHITE/RED – Parking Light Relay Input (Internal Relay 30A Pin 87)

The WHITE/RED connects to vehicle 12-Volt (+) or Ground (-) to supply the relay output (WHITE wire).

Verification for default setting:

- If the vehicle parking light wire registers 12-Volt (+) when the park lights are on, connect the WHITE/RED wire to a constant 12-Volt (+) vehicle wire.
- If the vehicle parking light wire registers Ground (-) when the park lights are on, connect the WHITE/RED wire to a reliable vehicle ground source.

5. WHITE – Parking Light Relay Output (Internal 30A Relay Pin 30)

At its default setting, the WHITE wire supplies 12-Volt (+) or Ground (-) to the vehicle's park light wire based on the connection of the relay input (WHITE/RED wire).

Verification: The vehicle parking light wire registers 12-Volt (+) or Ground (-) when the park lights are turned on.

6. BLACK/YELLOW – Starter Kill Input / Output (Internal Relay 30A Pin 87A)

The BLACK/YELLOW wire is used to interrupt the vehicle's starter wire when the alarm system is triggered. Locate and cut the vehicle's starter wire. Attach the BLACK/YELLOW wires to each end of the vehicle's cut starter wire.

Verification: The vehicle's starter wire registers 12-Volt (+) or Ground (-) during engine crank.

7. BLACK/YELLOW – Starter Kill Input / Output (Internal 30A Relay Pin 30)

The BLACK/YELLOW wire is used to interrupt the vehicle's starter wire when the alarm system is triggered. Locate and cut the vehicle's starter wire. Attach the BLACK/YELLOW wires to each end of the vehicle's cut starter wire.

Verification: The vehicle's starter wire registers 12-Volt (+) or Ground (-) during engine crank.

8. PURPLE/WHITE – Loop Trigger Output (-)

The PURPLE/WHITE wire is used as a Loop Alarm Trigger. If the loop is closed (Connected) when the alarm is armed, the alarm will trigger if the loop is opened (Disconnected). If the loop is open when the alarm is armed, the Loop Trigger will be ignored. This can be used to protect the user's helmet or other personal belongings.

Detailed Descriptions: Wire Harness Colors and Functions

Main Harness [See page 12 for the full system diagram.](#)

9. PURPLE/WHITE – Loop Trigger Input (-)

The PURPLE/WHITE wire is used as a Loop Alarm Trigger. If the loop is closed (Connected) when the alarm is armed, the alarm will trigger if the loop is opened (Disconnected). If the loop is open when the alarm is armed, the Loop Trigger will be ignored. This can be used to protect the user's helmet or other personal belongings.

10. LIGHT GREEN – Additional Sensor Input (-)

The LIGHT GREEN wire connects a device or switch that, when triggered, supplies a Ground (-) output. If the system is armed, this input will trigger the alarm.

11. DARK BLUE – AUX CH 3 Output

At its default setting, the DARK BLUE wire connects to any external accessory and supplies Ground (-) when activated from the remote control.

[Note: This wire can be programmed to other output timing configurations. Refer to Feature Programming on page 5.](#)

12. WHITE/BLACK – Siren / Horn Output (+/-)

The WHITE/BLACK wire supplies 12-Volt (+) to power the siren. After mounting the siren, connect its BLACK wire to a reliable ground source, and connect the WHITE/BLACK wire to the siren's RED wire.

[Note: This wire can be programmed to control the vehicle's factory horn. Refer to Feature Programming on page 5.](#)

13. RED/BLUE – LED Output (+/-)

The RED/BLUE wires are used to control the alarm LED. These wire can be extended if needed.

14. BLACK/WHITE – RF Antenna

The BLACK/WHITE wire is the system's RF Antenna. This length of this wire should not be changed. Avoid coiling this wire as operating range will be diminished. When installed, the antenna should extend out from the main module.

Detailed Descriptions: Internal Components

Shock Sensor

The shock sensor is integrated onto the module circuit board. The module should be securely attached to a vehicle surface or sturdy wire harness. Testing takes place after all connections are made and the system is powered up. Refer to Quick [Reference: System Diagnostics on page 11](#) for instructions on testing and adjusting the shock sensor.

Tilt Sensor

The Tilt Sensor is integrated onto the module circuit board. The module should be securely attached to a vehicle surface or sturdy wire harness. The system is programmed to "Zero Out" each time the alarm is armed. Testing takes place after all connections are made and the system is powered up. Refer to Quick [Reference: Setup Options on page 5](#) for instructions on adjusting the tilt sensor.

Detailed Descriptions: Setup Options

Bank 1: Add / Remove Remote Controls

Remote control programming is located in Feature Bank 1. This system will Auto Program all remote functions.

To Auto Program a remote control:

1. Cycle the ignition key to ON 5x, Ending in ON.
2. The system will beep one (1) time, indicating you have accessed Bank 1, Remote Control Programming.
3. Press the ARM button of each remote control you wish to program. The system will beep to indicate the remote control is programmed.
4. Turn the ignition key to OFF to exit programming mode, or cycle the ignition key OFF/ON to advance to the next Feature Bank.

To delete a remote control:

This system will store a **maximum of four (4) remote controls** in the memory. Additional programmed remote controls will delete the oldest-programmed remote control.

Security Control (Bank 2) [See page 10 for Programming Instruction.](#)

Feature Bank 2		Options							
		1 Chirp	2 Chirp	3 Chirp	4 Chirp	5 Chirp	6 Chirp	7 Chirp	8 Chirp
Features	1 Auto Arming	OFF	ON						
	2 Anti Hi-Jacking	OFF	ON						
	3 Tilt Sensor Level	1	5	15	30				
	4 Silent Mode	OFF	ON						
	5 Security Notification	Siren	Horn						
	6 Parking Light Output	ON	OFF						
	7 Shock Sensor Level	1	2	3	4	5	6	7	8
	8 Aux Ch.3 Output	1sec Pulse	Latch ON/OFF	Latch Until IGN					
	9 Override Method	Default	Custom Code						
	10 Default All Features	OFF	ON						

Feature 1: Automatic Arming

Function: **Set the system to arm automatically.**

Setting Choices:

- **Option 1** - System will arm **only when the alarm is armed from the remote control.**
- **Option 2** - System will arm **automatically 1 minute after pressing Disarm**, and when the alarm is armed from the remote control. To Cancel: Cycle the ignition ON.

Feature 2: Anti Hi-Jacking

Function: **Set Anti Hi-Jacking Feature ON/OFF**

Setting Choices:

- **Option 1** - Anti Hi-Jacking is **Disabled.**
- **Option 2** - Anti Hi-Jacking is **Enabled.**

Note: This feature must be activated from the remote control when needed. [Refer to Detailed Description: System Operation on Page 9 for detailed instructions.](#)

Detailed Descriptions: Setup Options

Security Control (Bank 2) (cont.) [See page 10 for Programming Instruction.](#)

Feature 3: Tilt Sensor Adjustment

Function: **Set the sensitivity of the internal tilt sensor.**

Setting Choices:

- **Option 1** - Alarm will trigger with a 1° change in angle.
- **Option 2** - Alarm will trigger with a 5° change in angle.
- **Option 3** - Alarm will trigger with a 15° change in angle.
- **Option 4** - Alarm will trigger with a 30° change in angle.

Feature 4: Silent Mode

Function: **Set audible beeps on or off when arming and disarming the system.**

Setting Choices:

- **Option 1** - Pressing Arm or Disarm at any time will perform the function **with audible beeps**.
- **Option 2** - Pressing Arm or Disarm at any time will perform the function **without audible beeps**.

Feature 5: Security Notification

Function: **Set the WHITE/BLACK Output Polarity**

Setting Choices:

- **Option 1 - Constant 12-Volt (+)** for use with **Siren**
- **Option 2 - Pulsed Ground (-)** for use with **Horn**

Feature 6: Parking Light Output

Function: **Set the Parking Lights to flash with Arm or Disarm**

Setting Choices:

- **Option 1** - Parking Lights will Flash **with Arm, Disarm, and Alarm Trigger**.
- **Option 2** - Parking Lights will flash **with Alarm Trigger Only**.

Feature 7: Shock Sensor Adjustment

Function: **Set the sensitivity of the internal shock sensor. 1 = Low; 8 = High**

Setting Choices:

- **Option 1** - Shock Sensor Level 1
- **Option 2** - Shock Sensor Level 2
- **Option 3** - Shock Sensor Level 3
- **Option 4** - Shock Sensor Level 4
- **Option 5** - Shock Sensor Level 5
- **Option 6** - Shock Sensor Level 6
- **Option 7** - Shock Sensor Level 7
- **Option 8** - Shock Sensor Level 8

Detailed Descriptions: Setup Options

Security Control (Bank 2) (cont.) [See page 10 for Programming Instruction.](#)

Feature 8: AUX Ch. 3 Output Timing

Function: **Set the output timing of the DARK BLUE Aux Ch. 3 Output**

- **Option 1** - Output pulses for **1 Second**.
- **Option 2** - Output turns **ON** or **OFF** with each press of the remote control.
- **Option 3** - Output turns **ON** and will remain **ON** until the ignition is cycled to the **ON** position.

Feature 9: Override Method

Function: **Set the Alarm Override Method. This will be used if the remote control is lost or inoperable.**

Setting Choices:

- **Option 1** - Alarm Override method is normal.
- **Option 2** - Alarm Override method is set for a **Custom Code**.

Note: [Refer to Detail Description: Alarm Override and Custom Code Programming procedures on page 8.](#)

Feature 10: Default All Features

Function: **Set all features back to the factory configuration.**

Setting Choices:

- **Option 1** - System **will not Reset**.
- **Option 2** - System **will Reset** all feature back to default.

Detailed Descriptions: Alarm Override Procedures

Default Alarm Override

The Default Alarm Override procedure will disable the alarm when the remote control is not available or has become inoperative. If the vehicle door is opened without disarming, the alarm will sound and the vehicle will not start when attempting to start with the key. To disable the alarm:

1. Turn the vehicle ignition to the ON position 5x, ending in ON.
2. The LED will illuminate solid.
3. Cycle the ignition OFF/ON 1x.

The alarm will silence and the vehicle will now start normally with the key.

Custom Code Override

Unlike the Default 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".

Custom Code Override Procedure

The default Custom Code is "1". To disarm the alarm using the Custom Code option:

1. Cycle the ignition to the ON position 5x, ending in ON.
2. Within 5sec, the LED will illuminate solid.
3. Within 5sec, Turn the ignition OFF.
4. The LED will begin to flash.
5. Cycle the ignition ON when the LED flashes the number of times equal to your Custom Code.

Custom Code Programming Procedure

The custom code can be selected from the numbers 1-9. In this example the user chosen Custom Code will be "2". To enter a new Custom Code you must first confirm the current code.

Step 1: Confirm the current Custom Code.

1. With the alarm disarmed, Cycle the ignition to the ON position 8x, ending in ON.
2. Within 5sec, the LED will illuminate solid.
3. Within 5sec, Turn the ignition OFF.
4. The LED will begin to flash.
5. Cycle the ignition ON when the LED flashes the number of times equal to your Custom Code.

Step 2: Set new Custom Code

1. Cycle the ignition to the OFF position. The LED will begin to flash.
2. Cycle the Ignition ON when the LED flashes the number of times equal to the new Custom Code.

The LED will flash to confirm the new Custom Code. Make a note of the new Custom Code. The Custom Code can only be changed by first entering the current Custom Code.

Detailed Descriptions: Anti Hi-Jacking

Anti Hi-Jacking

Anti Hi-Jacking is a feature that will activate the alarm and disable the engine starter if the vehicle is stolen. This feature must be activated in the Feature Bank 2, Feature 2. Once activated in Feature Bank 2, this feature must also be activated by the user.

User Activation

With the ignition ON, press and hold the DISARM button of the remote control for 2 seconds.

The LED will begin to flash and the system will beep 1x every three (3) seconds.

After 15 seconds the system will begin to beep 1x every 1.5 seconds

After 15 seconds the system will enter Anti Hi-Jacking Mode.

Note: If this feature is activated by mistake, press and hold the DISARM button during the first 15 seconds after activation.

After the system has entered Anti Hi-Jacking mode, the system will flash the parking lights and beep 1x every second. If the vehicle's engine is turned OFF, the system will silence, but remain in Anti Hi-Jacking mode. If the ignition is turned back on, the system will begin to beep and flash the parking lights. The starter disable feature is also activated and the vehicle's engine cannot be started without a manual alarm override.

Deactivation

After the Anti Hi-Jacking Mode is activated the user must preform the Manual Override procedure. Please refer to Page 8 for the correct override procedure.

Quick Reference: System Operation and Programming

Remote Control Operation

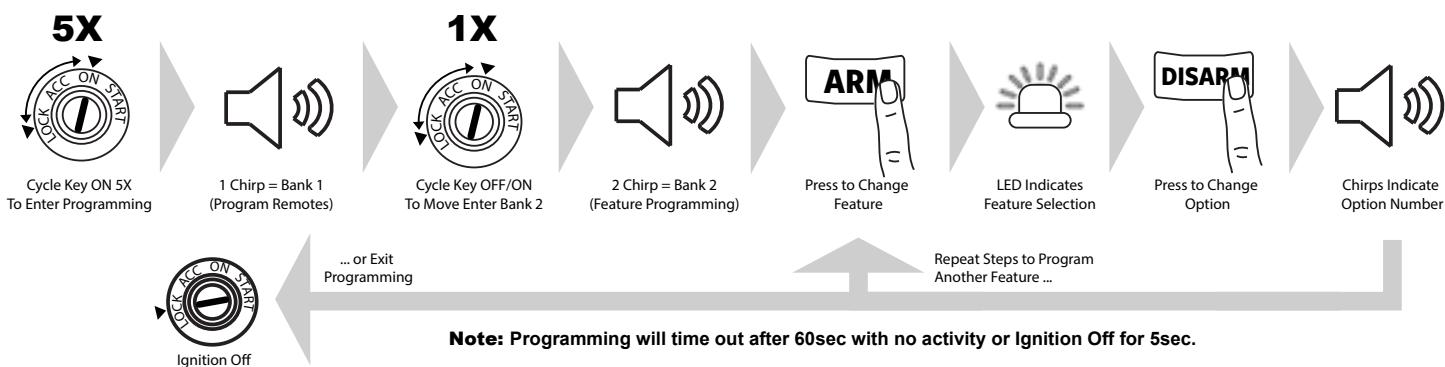
This system is only compatible with the Prestige two (2) button 1-Way remote controls. The matrix below describes how the remote control will operate the basic system functions. See Owner's Guide for more detailed information



Button	Action	Function
ARM	Press 1x	Lock
	Hold 3 Seconds	Panic ON
DISARM	Press 1x	Unlock
		Panic OFF
ARM + DISARM	Hold 3 Seconds	AUX Ch. 3

Programming Mode Entry and Exit Procedure

Once the system is installed and powered up, you will use the vehicle ignition and a programmed remote control to set all system options. Feature options are divided into categories, or **Banks**, as described throughout this section. **Ensure that at least one remote control is programmed** to the system. If not, or if you need to program more remote controls, use the diagram steps to access **Bank 1**. The siren and LED will indicate your status and selections. Follow the diagram below to enter and maneuver through the programming procedure.



Note: Programming will time out after 60sec with no activity or Ignition Off for 5sec.

1. Cycle the ignition ON 5X ending in the ON position.
2. The system will beep (1) one time, indicating you have accessed Feature Bank 1, Remote Programming.
3. Cycle the ignition OFF/ON.
4. The system will beep (2) two times, Indicating you have accessed Feature Bank 2, Feature Programming.
5. Once you have accessed the desired bank, press the ARM button on the remote control to advance through the features. The LED will flash a number of times to indicate the feature, based on the charts that follow this section. The system will chirp a number of times to indicate the Option programmed.
6. Once you have accessed the desired feature, press the DISARM button on the remote control to advance through the feature's setting options. The system will beep a number of times to indicate the Option setting, based on the charts that follow this section.
7. Once you have made the desired setting, you can press the ARM button on the remote control to advance through the features within the bank.
8. Once you have completed programming, **you MUST turn the ignition key to OFF** to exit the programming mode. Programming will automatically exit after 60sec of inactivity.

Quick Reference: System Programming & Diagnostics

Bank 1: Add / Remove Remote Controls

Remote control programming is located in Feature Bank 1. This system will Auto Program all remote control functions.

To Auto Program a remote control:

1. Cycle the ignition key to ON 5x, Ending in ON.
2. The system will beep one (1) time, indicating you have accessed Bank 1, Remote Control Programming.
3. Press the ARM button of each remote control you wish to program. The system will beep to indicate the remote control is programmed.
4. Turn the ignition key to OFF to exit programming mode, or cycle the ignition key OFF/ON to advance to the next Feature Bank.

To delete a remote control:

This system will store a **maximum of four (4) remote controls** in the memory. Additional programmed remote controls will delete the oldest-programmed remote control.

Bank 2: Security Options [See pages 5-7 for detailed descriptions.](#)

Feature Bank 2		Options							
		1 Chirp	2 Chirp	3 Chirp	4 Chirp	5 Chirp	6 Chirp	7 Chirp	8 Chirp
Features	1 Auto Arming	OFF	ON						
	2 Anti Hi-Jacking	OFF	ON						
	3 Tilt Sensor Level	1	5	15	30				
	4 Silent Mode	OFF	ON						
	5 Security Notification	Siren	Horn						
	6 Parking Light Output	ON	OFF						
	7 Shock Sensor Level	1	2	3	4	5	6	7	8
	8 Aux Ch.3 Output	1sec Pulse	Latch ON/OFF	Latch Until IGN					
	9 Override Method	Default	Custom Code						
	10 Default All Features	OFF	ON						

Troubleshooting Trigger Zones

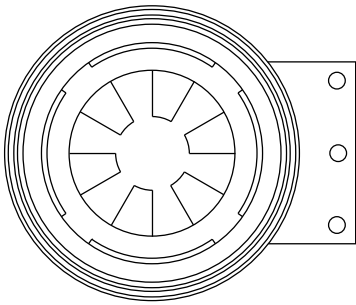
Test the doors, hood, trunk, and shock sensor to ensure they trigger the security system. Once triggered, the Parking Lights flash to indicate the trigger source:

4	Tilt / Shock
5	Additional Sensor
6	Loop Input
7	Ignition Input

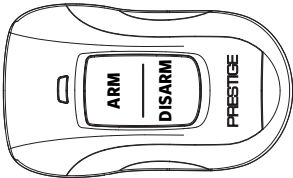
Adjusting the Shock Sensor

1. Arm the system, wait 5-10 seconds, then with an open palm carefully apply impact to areas of the vehicle to test the shock sensor's sensitivity.
2. To adjust, enter Feature Bank 2 - Feature 7. 1 = Low ; 8 = High.
3. If the proper sensitivity still cannot be achieved, re-locate the shock sensor.

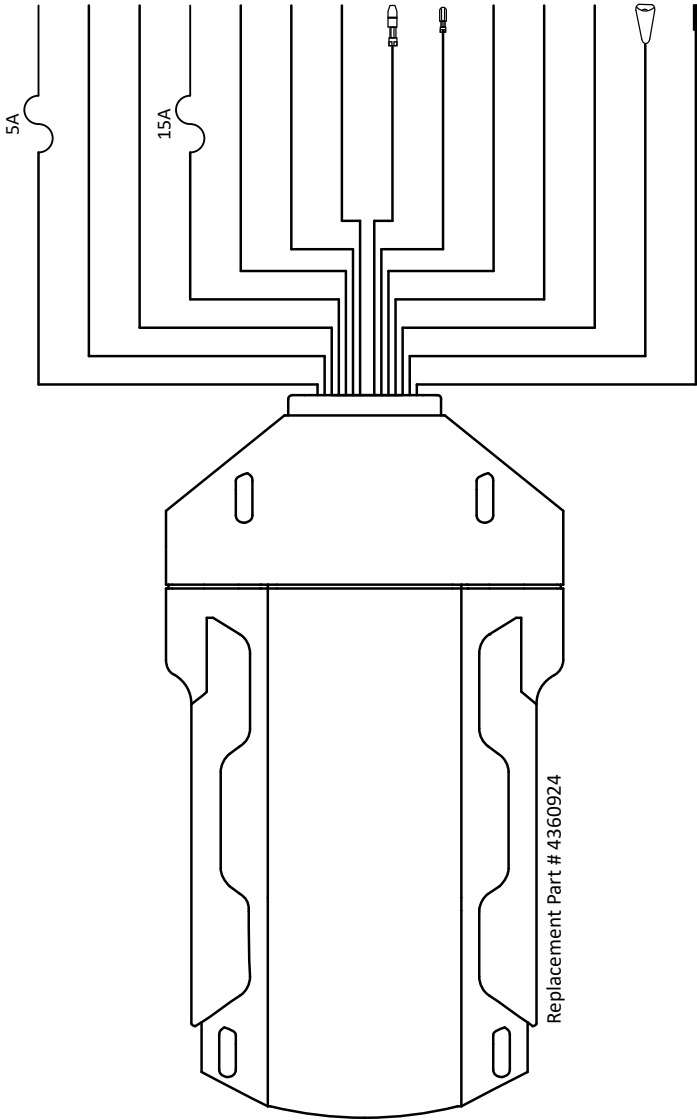
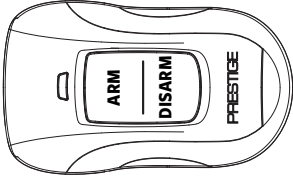
Quick Reference: Wiring Diagrams



Replacement Part # 4360926



Replacement Part # PEPS2



Main Harness		
1	Red	Battery 12V Input (+)
2	Yellow	Ignition Input (+)
3	Black	Ground Input (-)
4	White/Red	Parking Light (87) Input
5	White	Parking Light (30) Output
6	Black/Yellow	Starter Kill (87A) Input
7	Black/Yellow	Starter Kill (30) Output
8	Purple/White	Closed Loop Trigger
9	Purple/White	Closed Loop Trigger
10	Lt. Green	Additional Sensor Input (-)
11	Dk. Blue	Aux Ch.3 Output
12	White/Black	Siren / Horn Output (+)
13	Red/Blue	LED Output
14	Black/White	Antenna