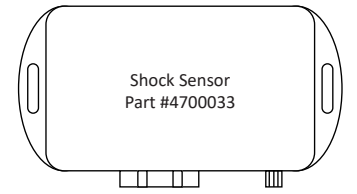
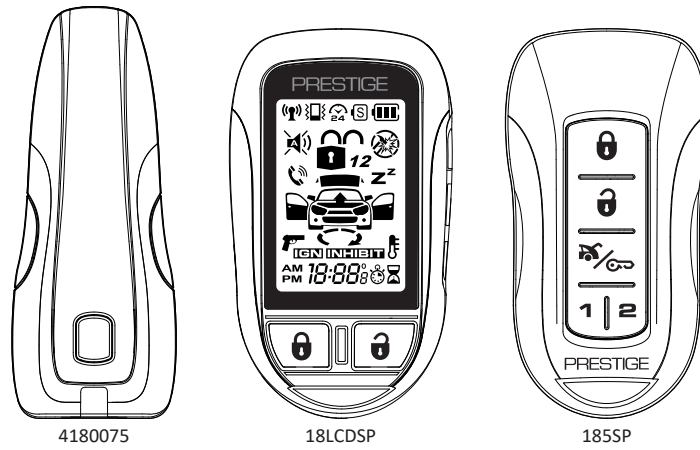


# PRESTIGE

## APS997Z

Security and Remote Start System Layout



8 Pin Start	1	Red/Black	Ignition 3 Flex Relay (87) Input
	2	Pink	Ignition 3 Flex Relay (30) Output
	3	Yellow	Starter Output (+)
	4	Green	Ignition 2 Output (+)
	5	Red	Battery 12V (+)
	6	Red/White	Battery 12V (+)
	7	Purple	Accessory Output (+)
	8	Blue	Ignition 1 Input / Output (+)

Replacement Part #4120458

4 Pin Light	1	White	Parking Light (30) Output
	2	White/Red	Parking Light (87) Input
	3	White/Black	Siren Output (+)
	4	Black	Ground Input (-)

Replacement Part #4120462

DBI	1	White	Data RX
	2	Black	Ground (-)
	3	Blue	Data TX
	4	Red	Battery 12V (+)

Not Included

Starter Kill	85	Red	Ignition Input (+)
	86	Orange	Starter Kill Input (-)
	87A	Black	Starter Output - Motor Side
	30	Black/White	Starter Input - Key Side

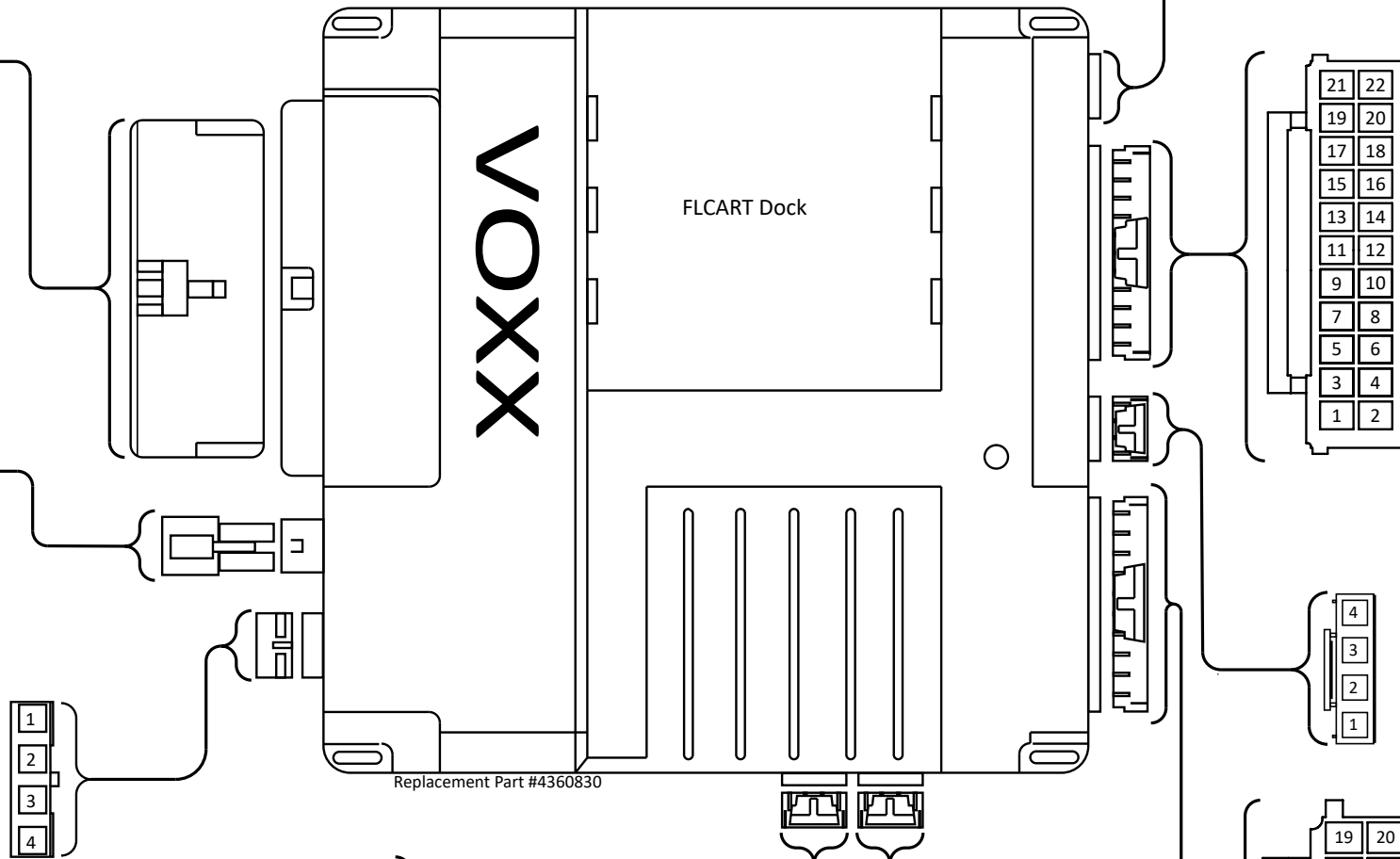
Replacement Part #4360828

RF	1	White	Data RX
	2	Blue	Data TX
	3	Black	Ground (-)
	4	Red	Battery 12V (+)

Not Included

Carlink	1	Blue	Data TX
	2	White	Data RX
	3	Black	Ground
	4	Red	Battery 12V (+)

Not Included



Shock	4	Red	Battery 12V (+)
	3	Black	Ground (-)
	2	Green	War Away Input (-)
	1	Blue	Full Trigger Input (-)

Replacement Part #4120459

22 Pin Input/Output	22	Green	Unlock Output (-) (NOC 11)
	21	Dk. Blue	Trunk Output (-) (NOC 9)
	20	Red	Lock Output (-) (NOC 10)
	19	Green/Lt. Blue	Ch. 4 AUX Output (-) (NOC 8)
	18	Black/White	Horn Output (-)
	17	Lt. Blue/Green	Ch. 5 AUX Output (-) (NOC 7)
	16	Red/Black	2nd Unlock Output (-) (NOC 12)
	15	Black/Lt. Green	Factory Arm Output (-) NOC 6)
	14	Brown/Black	Brake Input (+) (PIC 6)
	13	Black/Blue	Factory Disarm Output (-) (NOC 5)
	12	Dk. Blue/Black	External Activation Input (-) (PIC 5)
	11	Black/Red	Pulse After Shutdown Output (-) (NOC 4)
	10	Orange/Black	Parking Brake Input (-) (PIC 4)
	9	Black/Yellow	Pulse During Crank Output (-) (NOC 3)
	8	Green/Yellow	Diesel Glow Plug Input (+) (PIC 3)
	7	Green/White	Domelight Output (-) (NOC 2)
	6	Purple/Brown	Door Trigger Input (- / +)
	5	Lt. Blue	Remote Start Status Output (-) (NOC 1)
	4	Green/Orange	Tach Input (-)
	3	Gray/Black	Hood Input (-) (PIC 2)
	2	Lt. Green	Trunk Trigger Input (-) (PIC 1)
	1	Orange	Starter Kill Relay / Anti-Grind Output (-)

Replacement Part #4120457

Weblink	4	Red	Battery 12V (+)
	3	Black	Ground (-)
	2	Blue	Data TX
	1	White	Data RX

Not Included

This Harness is included with the FLCART.  
For Wire Information and Diagram Please Refer to Vehicle Specific  
FlashLogic Install Guide.  
Visit [www.FlashLogic.com](http://www.FlashLogic.com) for More Information.  
Not Included

**Important Update**  
The default Data Port Protocol of this system is ADS. If using an FLCAN or other external integration module be sure to choose iDataLink 2-Way when flashing.  
This system will also support DBI. This will require programming Feature Bank 2, Feature 15 to DBI.



# APS997Z

Security and Remote Start

## Quick Installation Guide

For Complete Installation Guide and Technical Support  
Please Visit  
[www.voxxuniversity.com](http://www.voxxuniversity.com)  
Or Call  
1-800-225-6074

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## Notifications

### Alarm

When the alarm is triggered the system will provide feedback to the user. Upon disarm, the system will beep 4x and flash the LED to indicate the Alarm Trigger Zone.

1	Shock
2	Trunk / Hood
3	Door

### Remote Start

If the remote start fails to start the vehicle, the system will flash the vehicle parking lights to indicate the cause.

1	Runtime Expired
2	Remote Shutdown
3	Brake On
4	Manual Mode
5	Hood Open
6	Low / No Tach
7	Tach Programming
8	High Tach

### Chirp Delete

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

- Turn the ignition key ON/OFF.
- Press and release the valet button three (3) times.

The system will respond with one (1) chirp for ON and two (2) Chirps for OFF. This feature will not affect alarm trigger or programming.

### User Programmable LED

System LED notifications can be turned ON or OFF without entering Feature Bank programming.

- Turn the ignition key ON/OFF, ON/OFF.
- Press and hold valet button for five (5) seconds.

The LED will flash one (1) time for ON, two (2) times for OFF. This feature will not affect LED flash during programming.

## Remote Programming

The APS997Z Includes two (2) preprogrammed remotes. When adding additional remotes, the remotes must be programmed to the system. Remote Programming is located in Feature Bank 1. To enter Remote Auto Programming:

- Turn the ignition key to ON.
- Press and release the valet button three (3) times. System will beep and flash the parking lights one (1) time.

Press the lock button on each remote. The system will beep one (1) time to indicate the remote has been programmed. Only primary remote functions are auto programmed. This Includes Lock, Unlock, and Trunk/Start.

If using AUX output control, you must manually program the AUX output channels to the remote. Please see the complete installation guide for manual remote programming instruction.

Note: If programming 2-Way remotes, wait for the remote to beep before programming additional remotes. This beep is confirmation that a 2-Way response has been received from the main module.

## Feature Programming

The APS997Z Feature Banks can be programmed by using the valet button and remote. To enter Feature Bank programming:

- Turn the ignition key to ON.
- Press and release the valet button three (3) times. System will beep and flash lights one (1) time for Feature Bank 1, Remote Programming.
- Cycle ignition key OFF/ON. System will beep and flash lights two (2) times for Feature Bank 2.
- Press valet button to cycle features. LED will flash to display feature number.
- Press lock button to cycle options. System will beep to indicate option number.
- Cycle ignition key OFF/ON. System will beep and flash lights three (3) times for Feature Bank 3.
- Press valet button to cycle features. LED will flash to display feature number.
- Press lock to cycle options. System will beep to indicate option Number.

## Tach Programming

The installer must manually configure the Engine Confirmation method in Feature Bank 3, Feature 5. The default method is "Tach". When using the default "Tach" method, the vehicle tach rate must be programmed. To enter tach rate programming:

- Turn the ignition key ON.
- Press and release the valet button three (3) times.
- Turn the ignition key OFF.
- Press and hold valet button.
- While holding valet button, start the engine using the key.
- Hold the valet button for approximately ten (10) seconds. If connected to the vehicle Tach source, the system will flash the parking lights one (1) time every second.
- Release the valet button. The system will turn on the parking lights for two (2) seconds to indicate the tach rate is programmed.

The tach rate can also be programmed without the use of a valet button. This is helpful when using the OEM remote of CarLink system to control this module. To program the tach rate without a valet button:

- Turn the ignition key to the ON position and start the vehicle's engine.
- Wait for Engine RPM to lower to a normal idle.
- Press and hold the vehicle's brake pedal.
- Press the LOCK button on the OEM remote or the Carlink App.

**Note:** Programming tach signal via OEM or Telematics control is only available on Firmware v1.47 or Higher.

## Data Protocol Selection

The default data port protocol of this model is ADS (iDatalink 2-Way). This model is capable of detecting the correct data port protocol (ADS or DBI) and automatically configuring Feature Bank 2; Feature 18. To initialize the detection procedure:

- Press and hold the valet button.
- Cycle the vehicle's Ignition ON/OFF two (2) times.
- Release the valet button.

The system will automatically detect and set the correct data port protocol, ADS or DBI.

**Note:** This feature is only available on module firmware v2.0 or higher.

The Feature Banks below can also be programmed using the FlashLogic Weblink or Weblink Mobile.

Feature Bank 2		Options					
		1 Chirp	2 Chirp	3 Chirp	4 Chirp	5 Chirp	6 Chirp
1	Lock / Unlock Function	<b>500ms</b>	3.5sec	500ms L, DBL UL	DBL L, 500ms UL	DBL L, DBL UL	500ms L, 350ms UL
2	Ignition Lock	<b>OFF</b>	ON				
3	Ignition Unlock	<b>OFF</b>	Unlock All	Unlock Driver			
4	Exterior Illumination	<b>OFF</b>	With Arm	With Disarm	With Arm & Disarm		
5	Auto Relock	<b>OFF</b>	Auto Lock Only	Auto Lock & Arm			
6	Auto Arming / Locking	<b>OFF</b>	Auto Arm Only	Auto Lock & Arm			
7	Notification Sound	<b>Both</b>	Siren	Horn			
8	Horn Timing	<b>16ms</b>	30ms	40ms	50ms	10ms	
9	Valet Override Method	<b>Valet</b>	Custom Code	Stand Alone Valet			
10	Driver Priority Unlock	<b>OFF</b>	ON				
11	Silent Choice	<b>OFF</b>	From Transmitter	OEM Style			
12	Security Profile	<b>All On</b>	Doors off	Hood / trunk Off	All Off	All On w/ OEM RS	
13	Door Trigger Input	<b>Negative</b>	Positive				
14	Park Light / Trunk Swap	<b>OFF</b>	ON				
15	Data Port Protocol	<b>ADS</b>	DBI				
16	Dome Light Delay Timer	<b>OFF / Program</b>	15sec	30sec	45sec	60sec	120sec
17	Alarm Trigger Legnth	<b>30sec</b>	45sec	60sec	90sec	120sec	
Feature Bank 3		Options					
		1 Chirp	2 Chirp	3 Chirp	4 chirp	5 Chirp	6 Chirp
1	Defrost Output	<b>Pulsed</b>	10min	RS Runtime			
2	RS Start Notification	<b>ON</b>	OFF				
3	RS Runtime	<b>15min</b>	20min	45min	60min	5min	10min
4	RS Parking Lights	<b>Steady</b>	Flashing				
5	Engine Confirmation	<b>Tach</b>	Voltage	Data	Hybrid		
6	Voltage Level	<b>&gt;0.5v B4 Start</b>	<0.5v B4 Start				
7	Ignition 2 Output	<b>Ignition</b>	Accessory	Start			
8	Ignition 3 Output	<b>Ignition</b>	Accessory	Start			
9	Accessory Output	<b>Accessory</b>	Ignition	Start			
10	Transmission	<b>Auto</b>	Manual				
11	Max Crank Time	<b>0.8sec</b>	1.0sec	1.5sec	2.0sec	3.0sec	4.0sec
12	Diesel Delay	<b>OFF</b>	Diesel 5	Diesel 10	Diesel 15	Diesel 20	Diesel 30
13	Temperature Start	<b>OFF</b>	14F	5F	0F	-4F	-14F
14	Crank Duration	<b>Averaging</b>	Preset				
15	RS Shock Override	<b>Shunt until Clear</b>	Shunt RS Cycle	Shunt From TX			
16	Turbo Timer	<b>OFF</b>	3min	5min	10min		
17	Start Activation	<b>Two Press</b>	One Press	Three Press			
18	RS Lock Function	<b>No Change</b>	UL Before L.After	UL Before Start	Lock After Start		
19	Factory Disarm Output	<b>Single Pulse</b>	Double Pulse	350ms	500ms	800ms	Same As Bank 2, F1
20	Additional Unlock Pulse	<b>No Pulse</b>	IGN, ACC, GWR	IGN,ACC,GWR,PASD			

## Dome Delay Programming

This system can be programmed to ignore the vehicle's theater dimming dome light. This feature will be used when connecting the door trigger input to the dome light circuit for alarm trigger.

Start with all doors closed and the vehicle dome light off.

- Press Lock, Unlock, Lock, Unlock, Lock, Unlock, Lock. LED will light solid.
- Open and close the driver door.

The system will monitor the dome light circuit. When the dome light turns off the system will set the delay time and add an additional two (2) seconds.

### Dome Delay Reset

- Key ON/OFF, ON/OFF, ON/OFF.
  - Press and hold valet button for five (5) seconds.
- The system will beep one (1) time to indicate reset is complete.

## Programmable Input Control

Programmable Input Control allows any PIC be configured to one of the options listed below. This feature is accessible via FlashLogic Weblink or Weblink Mobile.

Door Trigger	Full Shock Trigger
Trunk Trigger	Parking Brake
Hood Trigger	Brake
N.C. Door Trigger	External Start Activation
Pre-Warn Shock Trigger	Diesel Glow Plug

## Negative Output Control (NOC)

Negative output control allows any NOC to be programmed for any one of the options below. This feature is accessible via FlashLogic Weblink or Weblink Mobile.

Lock	Ground While Armed
Unlock	Ground While Disarmed
2nd Unlock	Domelight
Trunk	Headlight
Remote Start Status	Defrost
Ignition	LED
Accessory	Ch. 4 AUX
Pulse During Crank	Ch. 5 AUX
Pulse After Shutdown	Ch. 6 AUX
Factory Arm	Ch. 7 AUX
Factory Disarm	

## AUX Output Control

Any AUX output can be configured using the AUX Control Menu. This feature is only accessible via FlashLogic Weblink or Weblink Mobile.

1 Second Pulse	30 Second Pulse
5 Second Pulse	Push & Hold
10 Second Pulse	Latch ON/OFF
15 Second Pulse	Latch 10min w/ RS
20 Second Pulse	Latch Runtime