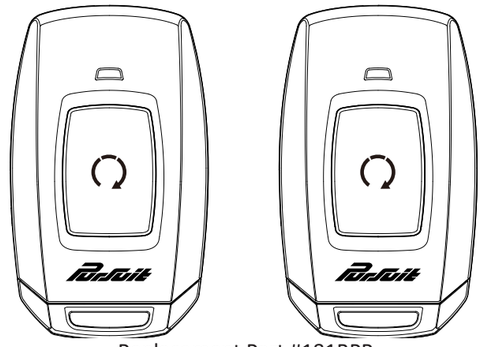
PRO9056Z

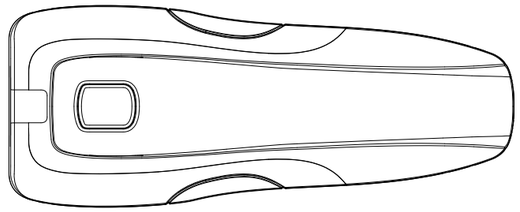
Remote Start
System Layout

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.

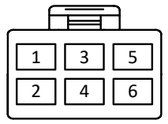
This system will also support DBI. This will require programming Feature Bank 2, Feature 18 to DBI.



Replacement Part #181BPR



Replacement Part #4180070

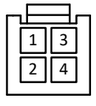


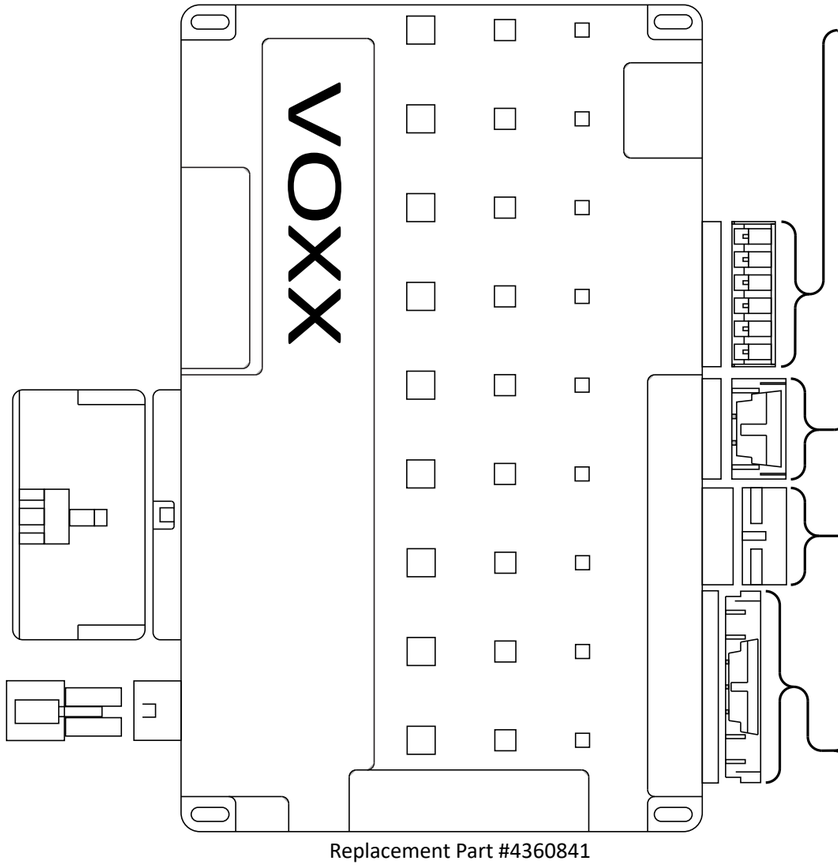
6 Pin RS Harness			
	1	Yellow	Starter Output (+)
	2	Green	Ignition 2 Output (+) Ⓟ
	3	Red	Battery 12V Input (+)
	4	Red/White	Battery 12V Input (+)
	5	Purple	Accessory Output (+) Ⓟ
	6	Blue	Ignition Input / Output (+)

Replacement Part #4120467

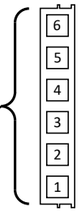
4 Pin Light			
	1	White	Parking Light (30) Output Ⓟ
	2	White/Red	Parking Light (87) Input
	3	Yellow/Black	Ignition Output For Alarm (+)
	4	Black	Ground Input (-)

Replacement Part #4120463



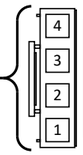


Replacement Part #4360841



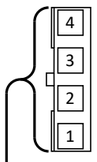
Antenna			
	6	Empty	Empty
	5	Blue	LED (-)
	4	Red	Valet Switch
	3	Black	Ground (-)
	2	Green	Data RX
	1	Pink	Battery 12V (+)

Replacement Part #4120465



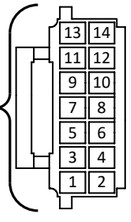
CarLink			
	4	Red	Battery 12V (+)
	3	Blue	Data TX
	2	Black	Ground (-)
	1	White	Data RX

Accessory Sold Seperatly



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

Accessory Sold Seperatly



14 Pin Main Input/Output			
	14	Green/Orange	Tach Input
	13	Black/Yellow	Pulse During Crank Output (-)
	12	Green/Yellow	Glow Plug Input (+)
	11	Black/Red	Pulse After Shutdown Output (-)
	10	Empty	Empty
	9	Black/Blue	Factory Disarm Output (-)
	8	Brown/Black	Brake Input (+)
	7	Black/Lt. Green	Factory Arm Output (-)
	6	Dk. Blue/Black	External Activation Input (-)
	5	Lt. Blue	Remote Start Status Output (-)
	4	Green	Unlock Output (-)
	3	Gray/Black	Hood Input (-)
	2	Empty	Empty
	1	Black/White	Horn Output (-)

Replacement Part #4120466

For Complete Installation Guide and Technical Support Visit www.voxxuniversity.com. Or Call 1-800-225-6074

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PRO9056Z

Remote Start

Quick Installation Guide

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Or Call 1-800-225-6074

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Notifications

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 Feature Bank programming.

1. Turn the ignition key ON/OFF.
2. 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.

1. Turn the ignition key ON/OFF, ON/OFF.
2. 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.

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:

1. Turn the ignition key ON.
2. Press and release the valet button three (3) times.
3. Turn the ignition key OFF.
4. Press and hold the valet button.
5. While holding the valet button, start the engine using the key.
6. 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.
7. 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 or CarLink system to control this module. To program the tach rate without a valet button:

1. Turn the ignition key to the ON position and start the vehicle’s engine.
2. Wait for the engine RPM to lower to a normal idle.
3. Press and hold the vehicle’s brake pedal.
4. 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.

Remote Programming

The PRO9056Z includes two (2) programmed remote controls. If required, additional remote controls can be programmed to the system. Remote Programming is located in Feature Bank 1. To enter Remote Auto Programming:

1. Turn the ignition key to ON.
2. Press and release the valet button three (3) times. The system will beep and flash the parking lights one (1) time.
3. Press the Start button on each remote. The system will beep one (1) times to indicate the remote has been programmed.

Feature Programming

The PRO9056Z Feature Banks can be programmed by using the valet button and remote. To enter Feature Bank programming:

1. Turn the ignition key to ON.
2. Press and release the valet button three (3) times. The system will beep and flash the parking lights one (1) time for Feature Bank 1, Remote Programming.
3. Cycle the ignition key OFF/ON. The system will beep and flash the parking lights two (2) times for Feature Bank 2.
4. Press the valet button to cycle features. The LED will flash to display the feature number.
5. Press the Start button to cycle options. The system will beep to indicate the option number.
6. Cycle ignition key OFF/ON. The system will beep and flash the parking lights three (3) times for Feature Bank 3.
7. Press the valet button to cycle features. The LED will flash to display feature number.
8. Press the Start to cycle options. The system will beep to indicate the option number.

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:

1. Press and hold the valet button.
2. Cycle the vehicle’s Ignition ON/OFF two (2) times.
3. 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.
Please visit www.FlashLogic.com for more detail.

Feature Bank 2			Options					
			1 Chirp	2 Chirp	3 Chirp	4 Chirp	5 Chirp	6 Chirp
Features	1	Lock / Unlock Function	***500ms***	3.5sec	500ms L, DBL UL	DBL L, 500ms UL	DBL L, DBL UL	500ms L, 350ms UL
	2	Accessory Lock	***NA***					
	3	Accessory Unlock	***NA***					
	4	Exterior Illumination	***NA***					
	5	Auto Relock	***NA***					
	6	Auto Arming	***NA***					
	7	Notification Sound	***NA***					
	8	Horn Timing	***16ms***	30ms	40ms	50ms	10ms	
	9	Valet Override Method	***NA***					
	10	Driver Priority Unlock	***NA***					
	11	Silent Choice	***NA***					
	12	Park Light / Trunk Swap	***NA***					
	13	AUX Ch. 4	***NA***					
	14	AUX Ch. 5	***NA***					
	15	AUX Ch. 6	***NA***					
	16	AUX Ch. 7	***NA***					
	17	Security Profile	***OFF***	OEM Security	W/ OEM Remote Start	OFF W/ Keyless		
	18	Data Port Protocol	***ADS***	DBI				

Feature Bank 3			Options					
			1 Chirp	2 Chirp	3 Chirp	4 chirp	5 Chirp	6 Chirp
Features	1	Defrost Output	***NA***					
	2	RS Start Notification	***ON***	OFF				
	3	RS Runtime	***15min***	20min	45min	60min	5min	10min
	4	RS Parking Lights	***Steady***	Flashing				
	5	Engine Confirmation	***Tach***	Voltage	Data	Hybrid		
	6	Voltage Level	***>0.5v B4 Start***	<0.5v B4 Start				
	7	Ignition 2 Output	***Ignition***	Accessory	Start			
	8	Ignition 3 Output	***N/A***					
	9	Accessory Output	***Accessory***	Ignition	Start			
	10	Transmission	***NA***					
	11	Max Crank Time	***0.8sec***	1.0sec	1.5sec	2.0sec	3.0sec	4.0sec
	12	Diesel Delay	***OFF***	Diesel 5	Diesel 10	Diesel 15	Diesel 20	Diesel 30
	13	Temperature Start	***NA***					
	14	Crank Duration	***Averaging***	Preset				
	15	RS Shock Override	***NA***					
	16	Turbo Timer	***NA***					
	17	Start Activation	***Two Press***	One Press	Three Press			
	18	RS Lock Function	***No Change***	UL Before L After	UL Before Start	Lock After Start		
	19	Factory Disarm Output	***Single Pulse***	350ms	500ms	800ms	Door Lock Timing	
	20	Pulse During Crank	***During Crank***	GWR	Ignition	Accessory		
	21	Factory Arm Output	***After Start***	GWR	Ignition	Accessory	Start	
	22	Pulse After Shutdown	***After Shutdown***	GWR	Ignition	Accessory	Start	
	23	Additional Unlock Pulse	***NA***					

OEM Security

This system can provide OEM level security. The system will monitor and trigger by the analog hood input and all entry zone inputs from the FLCAN or other integration modules. When an entry zone is detected the system will beep the vehicle horn and flash the parking lights. This feature must be activated in Feature Bank 2, Feature 17.

Operation

To arm the system, press the start button one (1) time.
To disarm the system, press the start button two (2) times.
To start the system, press and hold the start button for three (3) seconds.

Valet Override Procedure

To disarm the system without the use of a remote, turn the ignition key to ON and press the valet button one (1) time.

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 18 to DBI.