



Tach Programming

The unit will not operate unless tach is programmed or a tachless option is turned ON. If an attempt is made to start the vehicle via the remote start without first programming tach, the unit will flash the parking lights 7 times indicating tach has not been learned and stored. If the tach rate is not properly programmed to the specific vehicle, the unit may not realize that the vehicle is running in certain instances and re-engage the starter motor.

The Remote Start unit will learn the tach rate of most vehicle's single coil, multiple coil packs, or single injector. To learn tach:

1. Turn the ignition key to the ON position.
2. Press and release the valet/override button 3 times.
3. Immediately turn the ignition key OFF.
4. Press and hold the valet/override button, then start the vehicle using the key.
5. When the unit senses the tach signal, the parking lights will begin to flash.
6. Allow the vehicle to settle to a normal idle speed.
7. Release the valet/program push-button switch. The parking lights will turn on for 2 seconds and 1 long chirp will indicate that the learned tach signal is stored and the unit has exited tach learn mode.

NOTE: If the unit fails to learn tach rate due to an improper tach connection or a poor tach source, the parking lights will not flash. To correct this situation, locate and connect the PURPLE/WHITE wire to the proper tach signal, and then repeat the tach learn routine.

Smart Tachless Mode

Smart Tachless Mode is available only if a tach signal has never been learned to the system and when activated will automatically change the Tach Mode feature in option programming to Tachless without the need to enter the feature programming mode.

1. Activate the remote start. The parking lights should begin flashing 7 times indicating no tach signal has been learned.
2. Within the 7 flash time period, press and hold the Ⓞ button.
3. The system will chirp 1 time indicating the system is now in tachless mode.

Adjusting the Shock Sensor

1. Increase sensitivity by turning the adjustment dial clockwise.
2. Decrease sensitivity by turning the adjustment dial counter clockwise.

Chirp Delete - User Accessible

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/programming button 3 times. The system will respond with 1 chirp for ON or 2 chirps for OFF.

Security Trigger Zones

If the security system has been triggered the LED will flash one of the patterns below indicating the zone.

LED FLASHES	TRIGGER ZONE
2 Flashes	Hood / Trunk Input
3 Flashes	Door Input
4 Flashes	Shock Sensor
5 Flashes	Ignition Input

User Selectable LED

This feature will control whether the LED is ON or OFF when the system is Armed/Locked. This will be selectable in feature programming OR on-the-fly without entering the programming feature banks.

1. Turn the ignition ON, OFF, ON, OFF.
2. Press and release the valet/programming button 3 times. The system will respond with 1 chirp for ON or 2 chirps for OFF.

Dome Light Delay / Theater Dimming

The system can be programmed to delay arming after the lock button is pressed (60 second max) for vehicles with a dome light delay or theater dimming feature. Once programmed the system will 'learn' the timing of the dome light delay and add 2 seconds before arming.

1. Close all doors with ignition off.
2. Using the transmitter press LOCK, UNLOCK, LOCK, UNLOCK, LOCK, UNLOCK, LOCK. The LED will light solid to indicate the system has entered DOME DELAY LEARN MODE.
3. Immediately OPEN then CLOSE the door WITHOUT disarming the system. The system will then monitor the door trigger wire. Once the dome light turns off, the system will then add 2 seconds and then exit the learning mode.
4. The LED will begin to flash indicating the system has exited the learning mode and is now armed.

Defaulting the Dome Light Delay: Turn the ignition ON then OFF 3 times then press and hold the valet button for 5 seconds, the system will chirp 1 time indicating the learned delay time has been cleared.

CODE ALARM

PROFESSIONAL SERIES

Security and Remote Start Installation Quick Reference Guide

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Remote Start Shutdown Diagnostics

If the remote start shuts down or fails to start, the parking lights will flash one of the patterns below indicating the shutdown input. To manually enter diagnostics and view the last shutdown, turn the ignition ON and press and release the Ⓞ button.

PARKING LIGHT FLASHES	SHUTDOWN ZONE
3 Flashes	Hood / Brake Input
4 Flashes	Remote Start Valet Mode
5 Flashes	Manual Transmission Mode not ready
7 Flashes	Tach not learned / Crank Average not learned

Complete guides also available at www.voxxuniversity.com

Feature Bank 1 - 3 Chirps Transmitter Programming

Refer to transmitter programming.

Feature Bank 2 - 4 Chirps Security Control	1 LED Flash	2 LED Flash	3 LED Flash	4 LED Flash	5 LED Flash	6 LED Flash
1 Silent Choice	ON	OFF				
2 Door Locks	Active	Passive				
3 System Arming	Active	Passive				
4 System Notifications	Siren & Horn	Siren Only	Horn Only			
5 Alarm Duration	30 Seconds	60 Seconds				
6 Security	ON	OFF	ON w/ OEM Remote Start			
7 Anti-Hijack Mode	OFF	ON				
8 Ground While Armed Orange (-) Output	Ground While Armed	Ground While Disarmed				
9 DBI Port Protocol / Telematic Port Protocol	DBI / Vauxx Telematic	ADS / Vauxx Telematic	DBI / ADS Telematic	ADS / ADS Telematic		
10 Arm / Disarm Chirps	Standard: 2 - Arm 1 - Disarm	Inverted: 1 - Arm 2 - Disarm				
11 LED Indicator	ON	OFF				
12 Auto Re-lock	OFF	Lock Only	Arm & Lock			
13 Extended Parking Lights	OFF	After Unlock	After Lock	After Lock & Unlock		
14 Parking Light Relay / Trunk (-) Output	Standard	Inverted				

Feature Bank 2, Programming Update Notice: Firmware version 3.0 or later.

Feature #9 has been updated to DBI Port Protocol & Telematic Port Protocol which now includes a selection for the telematic port protocol. The new default setting of **DBI / ADS Telematic** is the correct protocol setting for the ASCL6 CarLink device.

Feature Bank 3 - 5 Chirps Output Control	1 LED Flash	2 LED Flash	3 LED Flash	4 LED Flash	5 LED Flash	6 LED Flash
1 Lock / Unlock Timing	1 Sec.	3.5 Sec.	1 Sec. Lock, 2x Unlock	30 Sec. Lock, 2x Unlock	2x Lock, 1 Sec. Unlock	0.5 Sec.
2 Factory Disarm 2 Blue / Green Output	Factory Disarm	2nd Unlock	Factory Disarm 2x 500mS	Factory Disarm 350mS	Factory Disarm 500mS	Factory Disarm w/ Unlock Timing
3 Ignition Locks	OFF	Lock / Unlock	Lock Only	Unlock Only		
4 Trunk Output Timing	1 Sec.	10 Sec.	20 Sec.	Latched until IGN ON	Latched ON until Button Press	
5 Horn Output Timing	16mS	10mS	30mS	40mS	50mS	
6 Real Panic	ON	OFF				
7 AUX 1 Violet / Black Output	1 Sec.	Latched	Latched until IGN ON	Dome Light Output	Defrost Output Single Pulse After Start	Defrost Output Latched 5 Min After Start
8 AUX 2 White / Black Output	1 Sec.	Latched	Latched until IGN ON	10 Sec. w/ Arm	10 Sec. w/ Disarm	
9 AUX 3 Gray / Black Output	1 Sec.	Latched	Latched until IGN ON	10 Sec. w/ Arm	10 Sec. w/ Disarm	
10 AUX 4 Orange / Black Output	1 Sec.	Latched	Latched until IGN ON	10 Sec. w/ Arm	10 Sec. w/ Disarm	
11 AUX 5 Pink / Black Output	1 Sec.	Latched	Latched until IGN ON	10 Sec. w/ Arm	10 Sec. w/ Disarm	

Feature Bank 4 - 6 Chirps Remote Start Control	1 LED Flash	2 LED Flash	3 LED Flash	4 LED Flash	5 LED Flash	6 LED Flash
1 RS Confirmation Chirp	ON	OFF				
2 Run Time	15 Minutes	5 Minutes	10 Minutes	20 Minutes	45 Minutes	60 Minutes
3 Running Lights	Steady	Flashing				
4 Tach Mode	Tach	Tachless	Hybrid	DBI Port		
5 Voltage Level	High	Low				
6 Crank Time	1.0 Seconds	0.8 Seconds	1.5 Seconds	2.0 Seconds	4.0 Seconds	
7 Crank Output	Averaging	Preset Time				
8 Diesel Delay	OFF	10 Sec. Delay	15 Sec. Delay	20 Sec. Delay	45 Sec. Delay	
9 Remote Start Activation	2x Start	1x Start				
10 Ignition 2 Output Pink / White	Ignition	Accessory	Start / Crank			
11 Auto Start Interval	3 Hour	2 Hour				
12 Turbo Timer	OFF	1 Minute	3 Minute	5 Minute		
13 Transmission Mode	Automatic	Manual				
14 Temperature Start	OFF	14F	5F	-4F		
15 Accessory Output Orange	Accessory	Ignition	Start / Crank			
16 Pulse Outputs with Unlock	OFF	IGN, ACCY, GWR	IGN, ACCY, GWR - Pulse After Shutdown			
17 RS Door Lock Control	OFF	Unlock before Start, Lock After Start	Unlock Before Start	Lock After Start	Lock After Shutdown	

Feature Bank 5 - 7 Chirps Alternate Output Control	1 LED Flash	2 LED Flash	3 LED Flash	4 LED Flash	5 LED Flash	6 LED Flash
1 Factory Disarm Lt Green / Black Output	Pulse Before Start / During Unlock	Ground While Running	Ignition	Accessory	Pulse During Crank	Pulse Before Start / During Unlock - Uses Unlock Timing
2 Factory Arm Lt Blue Output	Pulse After Start / During Lock	Ground While Running	Ignition	Accessory	Pulse During Crank	Pulse After Start / During Lock - Uses Lock Timing
3 Pulse After Shutdown Green / White Output	Pulse After Shutdown	Ground While Running	Ignition	Accessory	Pulse During Crank	Pulse After Shutdown 2 Sec. Delay
4 Pulse During Crank Black / Yellow Output	Pulse During Crank	Ground While Running	Ignition	Accessory	Pulse Before Start / During Unlock	Pulse Before Start / During Unlock - Uses Unlock Timing

This device complies with Part 15 of the FCC Rules. 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 interference that may cause undesired operation.

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 0.5 centimeters between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. The antennas used for this transmitter must be installed to provide a separation distance of at least 0.5 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

PC Based Feature Programming / Firmware Updates

When using the NEW Code Alarm Utility App along with a VEPROG Programming tool you may program selectable features or update the firmware of this module. Refer to full installation guide for additional detail.

- To download the Code Alarm Utility App visit the Vauxx University website at voxxuniversity.com (registration/login required).
- Select VOXXTECH and locate the utility app under the heading Software Downloads.
- The Code Alarm Utility App download includes both the CA Utility app and necessary VEPROG drivers.
- Install both items before attempting to update modules.



Technical Support (800) 421-3209
or visit
www.voxxuniversity.com

Set Up & Programming

Transmitter Programming - Feature Bank 1

- Turn the ignition ON.
- Press and hold the valet/override button.
- Within 10 seconds the system will chirp (3) three times.
- Press 1 button of each transmitter you wish to program.
- The system will respond with 1 chirp for each accepted transmitter.
- Pressing the override button at anytime during programming will advance to the next bank.

NOTE: The system will exit transmitter programming after 15 seconds of inactivity.

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

NOTE: The system will hold up to 4 transmitters in memory, programming a 5th transmitter will erase the oldest transmitter in memory.

NOTE: This system has PTN - Programmed Transmitter Notification. Each time the ignition is turned ON, the LED will flash the number of transmitters programmed to the system.

Transmitter programming for 2 Car Mode *2 way LCD system only:

- Enter the transmitter into 2 Car Mode. (Refer to transmitter operation in the owners manual for 2 car operation)
- Follow the steps above for transmitter programming.

NOTE: 2 car mode requires an additional security system installed in a second vehicle.

Manual Feature Programming - Feature Bank 2, 3, 4, & 5

- Turn the ignition ON.
- Press and hold the valet/override button.
- Within 10 seconds the system will chirp (3) three times.
- Use the valet/override button to advance through each option bank. For feature programming advance to Feature Bank 2, 3, 4 or 5, which is (4) four, (5) five, (6) six and (7) seven chirps.
- Use the transmitter button to scroll through the selections in each feature bank, the system will chirp to match the feature number.
- Press the transmitter button or the vehicle brake pedal to change the desired feature. The LED will flash indicating the changed feature.

Defaulting All Features: Pressing the button anytime while in any of the feature banks will default all features and return you to feature bank 2 - 4 chirps.

NOTE: The system will remain in feature programming mode as long as the ignition is on, there is no time limit. To exit programming turn the IGNITION OFF.