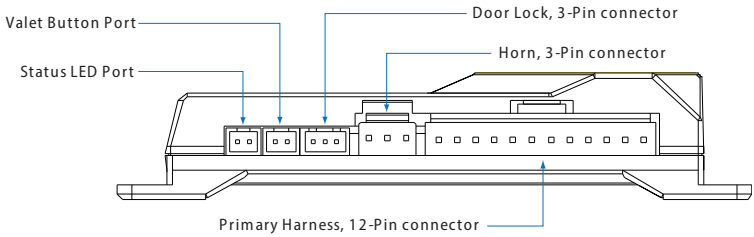
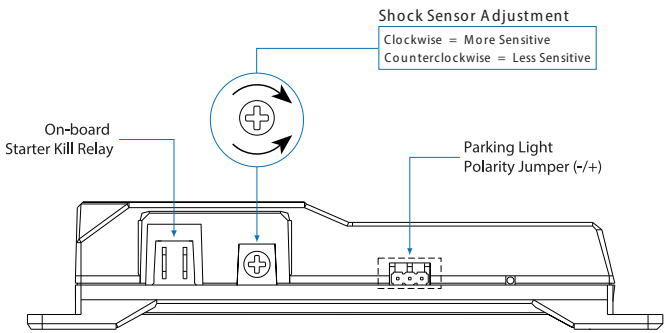
Model 3103V
Installation Guide

This product is intended for installation by a professional installer only! Attempts to install this product by a person other than a trained professional may result in severe damage to a vehicle's electrical system and components.

DIRECTED by VOXX LLC, 2351 J. Lawson Blvd., Orlando, Florida 32824 (10/24)

System Overview





Parking Light Polarity Jumper

This jumper is used to determine the light flash output. In the (+) position, the on-board relay is enabled, and the unit will output (+)12V on the main 12-pin harness WHITE wire. In the (-) position, the on-board relay is disabled. The main 12-pin harness WHITE wire will supply a (-)200 mA output suitable for activating factory parking light relays.

Important: For parking light circuits that draw 10 amps or more, the internal jumper must be switched to a (-) light flash output. P/N 8617 or a standard automotive SPDT relay must be used on the main 12-pin harness light flash output harness wire.

Shock Sensor

There is a dual-stage shock (impact) sensor inside the control unit. Adjustments are made via the rotary control as indicated above. Since the shock sensor does not work well when mounted firmly to metal, we recommend against screwing down the control module. We recommend attaching the control module to a large wiring loom.

Important: When adjusting the sensor, it must be mounted in the same location where it will be after the installation is completed. Adjusting the sensor and then relocating the module requires re-adjustment.

Plug-in LED and Valet Program switch

These plug into the control module. The status LED plugs into the white 2-pin socket, while the valet program switch plugs into the blue 2-pin connector. The status LED and valet switch each fit into a 9/32 inch hole.

Wiring Connections

On-Board Starter Kill Relay

1	BLACK	STARTER ISOLATION - *KEY SIDE
2	BLACK	STARTER ISOLATION - *CAR SIDE

*These are interchangeable.

Primary Harness, 12-pin connector

1	RED/WHITE	(-) 200mA TRUNK / AUX 1 OUTPUT (Channel 2)
2	RED	(+)12V CONSTANT - 15A FUSED (Main power input)
3	BROWN	(+) SIREN OUTPUT
4	YELLOW	(+) IGNITION INPUT
5	BLACK	(-) CHASSIS GROUND
6	VIOLET	(+) DOOR TRIGGER INPUT
7	BLUE	(-) MULTIPLEX TRIGGER INPUT
8	GREEN	(-) DOOR TRIGGER INPUT
9	BLACK/WHITE	(-) DOME LIGHT OUTPUT
10	WHITE/BLUE	(-) 200mA AUX 2 OUTPUT (Channel 3)
11	WHITE	(-)/(+) SELECTABLE PARKING LIGHT OUTPUT - 10A FUSED
12	ORANGE	(-) 500mA GROUND WHEN ARMED OUTPUT

Door Lock, 3-pin connector

1	BLUE	200mA (-) UNLOCK OUTPUT / (+) LOCK OUTPUT
2	EMPTY	NOT USED
3	GREEN	200mA (-) LOCK OUTPUT / (+) UNLOCK OUTPUT

Horn, 3-pin connector

1	EMPTY	NOT USED
2	BROWN/BLACK	(-) 200mA HORN OUTPUT
3	EMPTY	NOT USED

Important: NEVER connect low current outputs directly to a motor or high current circuit WITHOUT a relay.

Remote Functions

Basic Remote Functions

Button	Press Function	Hold Function
🔒 / 🔓	ARM / DISARM	PANIC (ON / OFF)
✱ / AUX	(see advanced functions)	TRUNK / AUX 1

Advanced Remote Functions

Button	Press Function	Hold Function
🔒 / 🔓 + ✱ / AUX	AUX 2 (PRESS Together)	AUX 2 - VALIDITY (HOLD Together)
✱ / AUX Then 🔒 / 🔓	SILENT ARM / SILENT DISARM	

Programming System Features

System Features dictate how the unit operates. It is possible to access and change most of the feature settings using the valet button.

1. Open a door.
2. Turn the ignition ON, and then OFF.
3. Within 5-seconds, press and release the Valet button to select the feature (1-10, see Features table). After pressing and releasing corresponding to the selected feature, then press the Valet button once more and hold it.
The LED flashes and the horn or siren sounds to confirm the selection. Do not release valet button.
4. While still holding the Valet button, press the **LOCK/UNLOCK** button on the remote to set the feature to Option 1 (LED ON) or press the **STAR/AUX** button to set the feature to Option 2 (LED OFF).
5. Release the Valet button and turn the ignition ON to exit programming or repeat this process to change additional feature options.

Programming routine exits if any of the following occurs:
- The open door is closed.
- The ignition is turned ON.
- There is no activity for 15-seconds.
- The Valet button is pressed too many times.

Feature Menus

Default settings are in **bold** type.

Valet button presses (Sounds/ Flashes)	LED ON OPTION 1 sound	LED OFF OPTION 2 sounds
1	**Active Arming**	Passive Arming
2	**Confirmation Sounds ON**	Confirmation Sounds OFF
3	**Ign-controlled Locking ON**	Ign-controlled Locking OFF
4	**Active Locking**	Passive Locking
5	**0.8-Second Door Lock Pulse**	3.5-Second Door Lock Pulse
6	**Double Pulse Unlock OFF**	Double Pulse Unlock ON
7	**Code Hopping ON**	Code Hopping OFF
8	**Door Trigger Error Sound ON**	Door Trigger Error Sound OFF
9	**Double Pulse Lock OFF**	Double Pulse Lock ON
10	Real Panic Sound ON	**Real Panic Sound OFF**

Feature Descriptions

Active/Passive Arming

Active Arming: The transmitter must be used to arm the system.
Passive Arming: After turning off the ignition and exiting the vehicle, the system will automatically arm itself.

Note: Doors must be closed. The system is passively armed 30-seconds after closing the doors.

Confirmation Sounds

ON: Arm, disarm, and sensor warn-away and full trigger sounds are active.
OFF: Arm and disarm sounds are defeated, warn-away and full trigger sounds are active.

Ignition-controlled Locking

ON: The door lock/unlock outputs activate when ignition is turned on/off.
OFF: The door lock/unlock outputs do not activate when ignition is turned on/off.
Note: Doors must be closed for ignition lock to work.

Active/Passive Locking

Active Locking: The doors do not lock when passively arming only when using the remote.
Passive Locking: The doors automatically lock when the system passively arms.

Door Lock Pulse

0.8-seconds: The door lock/unlock output pulses are 800 ms in duration.
3.5-seconds: The door lock/unlock output pulses are 3.5-seconds in duration.

Double Pulse Unlock

OFF: The door unlock output provides a single pulse.
ON: The door unlock output provides a double pulse.

Code Hopping

ON: The code hopping portion of messages from the remote controls are decrypted before a command is activated
OFF: The code hopping portion of the remote control messages are ignored resulting in possible range improvement.

Door Trigger Error Sound

ON: If the door trigger is active when arming, the horn or siren emits one additional sound upon arming to alert you.
OFF: An active door trigger when arming does not generate an alert output.

Double Pulse Lock
OFF: The door lock output provides a single pulse.
ON: The door lock output provides a double pulse.

Real Panic Sound
OFF: Normal horn output behavior.
ON: Horn output provides randomized pulse durations.

Remote Control / Programming

Remote controls included in this system are pre-programmed in the standard button configuration, and are ready to use. This system will accept up to four remote controls. To add, delete, or reprogram remote controls with customized button configurations, use the following procedure.

Important: Test the systems Ignition input, Door trigger input, Valet button, Status LED, and horn or siren output for proper operation before proceeding.

1. Select a System Function and the required number of valet button presses, as described in the following table (see Function Table).
2. Open a door and turn the ignition ON.
3. Press and release the Valet button to select the function. After pressing and releasing corresponding to the function, then press the Valet button once more and hold it. The LED flashes and the horn or siren sounds to confirm the selection (Do not release).
4. While holding the Valet button, press the remote button that controls the selected function (**LOCK/UNLOCK** button is used for Auto-learn functions). The horn or siren emits one long sound to confirm programming.
5. Release the Valet button to finish and exit programming, or to program another function return to step 3 and continue through step 5 again (Example: After programming 'Arm only', select 'Panic only' by pressing and releasing the Valet button two times, then press and hold it). Repeat to program more functions.

Exit Programming
The horn or siren emits 2 sounds when exiting.
Programming is exited if any of the following occurs:

· Turn ignition off
· Close the doors
· Press Valet button too many times
· 15-seconds or more lapses between steps

Function Table

Valet button presses (Sounds/Flashes)	System Function
1	Arm/Disarm/Panic
2	Auxiliary Output 1
3	Auxiliary Output 2
4	Arm only
5	Disarm only
6	Panic only
7	Auto-learn for 2-button configuration
8	Auto-learn for 4-button configuration
9	Delete remote controls & Reset features*

** Press any button of a programmed remote to delete all remote controls from the system and to reset the features to default settings.

Troubleshooting

Door input does not immediately trigger full alarm. Instead, first I hear sounds for 3-seconds:
That's how the progressive two-stage door input works! This is a feature of this system. This is an instant trigger, even if the door is instantly re-closed, the progression from short horn or siren sounds to constant output will continue.

Closing the door triggers the system, but opening the door does not:
Have you correctly identified the type of door switch system? This often happens when the wrong door input has been used.

System will not passively arm until it is remotely armed and then disarmed:
Are the door inputs connected? Is the 12-pin main harness Blue wire connected to the door trigger wire in the vehicle? Use the 12-pin main harness Green or the Violet wire instead.

Door input does not respond with the progressive trigger, but with immediate full alarm:
Does the LED indicate that the trigger was caused by the impact sensor? (See Table of Zones section of this guide.) The impact sensor, if set to extreme sensitivity, may be detecting the door unlatching before the door switch sends its signal. Reducing the sensitivity can solve this problem.

The Valet/Program button does not work:
Is it plugged into the correct socket? The button plugs into the Blue 2-pin port.

The LED system status indicator does not work:
Is the LED plugged into the correct socket? The LED plugs into the White 2-pin port.

Starter interrupt does not work:
Is the correct wire being interrupted? If the vehicle starts when the starter interrupt is disconnected, the wrong wire has been cut.
Is the 12-pin main harness Yellow ignition wire connected to true ignition? The 12-pin main harness Yellow wire must have power in the run and start positions of the ignition switch in order for the starter interrupt to work properly.

Replacement Parts

The following information can be used if replacement parts need to be ordered. For additional support please contact your DIRECTED by VOXX Sales Representative or Distributor.

3103V Control Module – P/N: 121-10312

1-Way 2-Button Remote Control – P/N: 7122V

6-Tone Siren – P/N: 514L

Primary Harness (12-Pin) – P/N: 150-10609

Valet Switch (2-Pin) – P/N: 150-10602

Status LED (2-Pin) – P/N: 150-10612

Door Lock Harness (3-Pin) - P/N: 150-10604

Starter Interrupt (2-Wire) – P/N: 150-10610

Horn Harness (3-Pin) – P/N: 150-10608