

# **Model 3103LX**

## **Owner's 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.

# Congratulations

Congratulations on the purchase of your AVITAL® system. Reading this Owner's Guide prior to using your system will help maximize the use of your system and its many features. For additional information please contact your Authorized Dealer or visit [www.avital.com](http://www.avital.com).

## **After installation is completed, you should receive:**

- Two 1-Way remote controls (P/N: 7147LSEC)
- Owner's Quick Reference Card



# Important Information

## **Safety Information**



Warning! Failure to heed the information in this guide can result in death, personal injury or property damage, and may also result in the illegal use of the system beyond its intended purpose.

## **Your Warranty**

Your system comes with a warranty. The warranty terms are detailed at the end of this guide. Make sure that you receive proof of purchase from your dealer, indicating the product was installed by an Authorized Dealer.

## **Replacement Remote Controls**

Please see your Authorized Dealer or visit us at [www.avital.com](http://www.avital.com) to order additional remote controls. Remote control part numbers are found on the back of the remote.

## **System Maintenance**

This system needs no specific maintenance beyond remote control battery replacement. See 'Battery Information' section for more details.

# 1-Way Remote Control






Feature	Description
Internal Antenna	Used for transmitting information
Transmit LED	Active when transmitting information
Command buttons	Used to perform locking, unlocking, arming and disarming, auxiliary channel and panic activation.

# Remote Control Command Table





## Basic Remote Functions

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Button	Function
	ARM
	DISARM
	PANIC
<b>AUX</b>	TRUNK / AUX

## Advanced Remote Functions

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Button	Press Function	Hold Function
 + 	AUX 2 (PRESS Together)	AUX 2 - VALIDITY (HOLD Together)
<b>AUX</b> Then 	SILENT ARM	
<b>AUX</b> Then 	SILENT DISARM	

## Remote control functions

The remote control buttons are used to send commands to the system. The descriptions below reflect the standard configuration for this system.

### **Arm/Lock**

Press and release **LOCK**

The doors lock and the system is armed.

### **Disarm/Unlock**

Press and release **UNLOCK**.

The doors unlock and the system is disarmed.

### **Silent Arm/Disarm**

'Silent Mode' works by pressing the **AUX** button for less than 1-second before arming or disarming.

### **Aux 1**

Press and hold **AUX**.

An optional auxiliary function, such as trunk release, can be controlled by pressing this button for 1.5-seconds.) The Aux 1 output controls \_\_\_\_\_.

### **Panic**

Press and hold **STAR**.

The panic feature is controlled by pressing this button for 2-seconds.

## **AUX 2**

Press **LOCK** and **UNLOCK** simultaneously. An optional auxiliary convenience or expansion function that you have added to your system can be activated by pressing these buttons simultaneously. The Aux 2 output controls \_\_\_\_\_.

# Using Your System

## **Active arming**

You can arm the system by pressing **LOCK** for 1-second. When the system arms you will hear a short horn sound, and the parking lights flash once. If the vehicle's power door locks have been connected to the system, the doors lock.

While the system is armed the status LED flashes once per second, indicating that the system is active and protecting your vehicle. If you hear a second honk after arming and see the status LED flashing in groups, refer to the 'Diagnostics' section of this guide. This extra honk is called 'Bypass Notification'.

## **Passive arming**

The system can be programmed to arm itself automatically, this is called passive arming. If the system is programmed for passive arming, it will automatically arm 30-seconds after the ignition is turned off and the system detects that you have left the vehicle by opening and closing a door. Whenever the system is in its 30-second passive arming countdown, the status LED flashes twice as fast as it does when the system is armed. At the 30-second point the system is armed.

If any protected entry point (such as a door or a switch-protected trunk or hood) is open, the system will not passively arm (unless forced passive arming is programmed ON.

See 'Programming Options' section of this guide.) Additionally, if a door, hood or trunk is triggered during the arming countdown, the 30-second countdown starts over.

### **When the system is armed:**

Light impacts trigger Warn Away. When triggered, the horn sounds and the parking lights flash for a few seconds.

Heavy impacts trigger a full alarm response. This consists of the horn sounding continuously and the parking lights flashing for a pre-programmed period, which can range in duration from 1 to 180 seconds.

If a door is opened, the system will immediately start honking the horn quickly and flash the parking lights. 3-seconds later, the horn output changes duration. This progressive response gives you time to disarm the system with your remote if you inadvertently open the door while the system is armed.

Turning on the ignition will trip the same progressive response as opening a door. The optional starter interrupt prevents the vehicle from starting.

### **Real Panic Sound:**

'Real Panic Sound' (RPS) is a patented feature that uses a randomized pulse output to control the vehicle's horn when the alarm or panic function is triggered. The RPS output will make your alarm sound completely different than any other vehicle and provide a unique sound that will draw attention to your vehicle when you need it most. This feature is OFF by default but can be enabled by the dealer.



## Disarming

To disarm the system, press **UNLOCK**. You will hear two honks, and the parking lights will flash twice. If the power locks are connected to the system, the doors will unlock. If the horn honks either four or five times when disarming, refer to the Diagnostics section of this guide. This is called Tamper Alert.

## Disarming Without Your Remote

This feature allows you to disarm the security system without the remote control, should it be lost, damaged, or disabled. To disarm the system without a remote, you must have the vehicle's factory key and know where the Valet button is located. Be sure to check with the installer for the location and the number of presses of the Valet button required to disarm the system.

### **To disarm the security system:**

1. Turn the ignition to the ON position.
2. Press and release the Valet button 1 time within 15-seconds.

After 5-seconds the system disarms. If the system does not disarm, you may have waited too long. Turn the ignition off and on and try again.

Location of Valet Button \_\_\_\_\_.

## Dome Light Control

The dome light activates for 30-seconds after the system is disarmed (if connected).

## Silent Mode

*To temporarily turn off the arm or disarm honks, use Silent Mode.*

Press **AUX** for less than 1-second before arming or disarming, and the confirmation honk(s) will be eliminated for that one operation only. If you want the arm/disarm honks turned off permanently, your dealer can do this for you.

The Warn Away response to lighter impacts is bypassed if the system is armed using Silent Mode. This ensures that no sounds will be emitted by the horn in an area you want horn-free. The system is still capable of a full alarm response, but the Warn Away response is bypassed.

## Panic Mode

If you are threatened in or near your vehicle, you can attract attention by triggering the system with your remote.

Hold **STAR** for approximately 2-seconds, to enter Panic Mode. The horn sounds and the parking lights flash for the programmed duration. To stop Panic Mode at any time, press **STAR**.

## Valet Mode

You can prevent your security system from automatically arming and triggering by using Valet Mode. This is very useful when washing the vehicle or having it serviced. In Valet Mode, the security system will not arm, even with the remote transmitter, but all convenience functions (door locks, trunk release, etc.) will continue to work normally.

### **To enter or exit Valet Mode:**

1. Turn the ignition on.
2. Turn the ignition off.
3. Press and release the Valet switch within 10-seconds.

### **To enter or exit Valet Mode with the remote:**

Open any vehicle door, and then quickly press the following buttons in the sequence indicated.

1. Press **LOCK**
2. Press **UNLOCK**.
3. Press **LOCK** again.

The status LED lights solidly if you are entering Valet Mode and goes out if you are exiting Valet Mode.

## Nuisance Prevention Circuitry

Your system has Nuisance Prevention Circuitry (NPC). It prevents annoying repetitive trigger sequences due to faulty door pin switches or environmental conditions such as thunder, jackhammers, or airport noise.

For example, if the alarm triggers three times within a 60-minute period and each time the same sensor or switch triggers the alarm,

NPC will interpret those triggers as false alarms. After the third trigger, NPC ignores, or bypasses that sensor or switch (along with any other sensors or switches sharing the same zone) for 60-minutes.

If the bypassed sensor tries to trigger the system while it is being bypassed, the 60-minute bypass period starts over. This ensures that a sensor that continually triggers will remain bypassed. Doors are covered by NPC differently; if the alarm is triggered by an open door for three full cycles, the doors are bypassed until the trigger ceases.

NPC is ON/OFF programmable, except doors are always covered whether on or off. See your dealer and the 'Programming' section of this guide for more information.

Arming and disarming the system does not reset this function. To reset a bypassed zone, the same zone must not trigger for 60 minutes, or when ignition is turned on. When testing your system, it is important to remember that the NPC programming can cause zones to be bypassed and appear to stop working. If five honks are heard when disarming, NPC has been engaged. If you wish to clear the NPC memory, turn the ignition key on.

## Auxiliary Outputs

This system supplies outputs that can control convenience options such as remote-control trunk release and window automation. Consult your Authorized Dealer for available system and vehicle options.

## **Trunk Release:**

When connected, pressing **AUX** for 1.5-seconds will remotely release the vehicle trunk lid or rear hatch. This output remains active until the button is released.

## **AUX 2:**

When connected, pressing **LOCK** and **UNLOCK** together will immediately activate this output to control an additional convenience option. This output remains active until the buttons are released.

## Diagnostics

This security system is constantly monitoring all the switches and sensors that are connected to it. It detects any faulty switches and sensors and prevents them from disabling the entire system. The system will also record and report any triggers that occurred during your absence.

Refer to the 'System Status Honks' and 'Table of Zones' charts for diagnostic information.

## Arming Diagnostics

If the system is armed while an input is active, the unit sounds once when arming and then one more time a few seconds later. This is called Bypass Notification.

Bypass Notification does not occur when using Silent Mode or if chirps/honks have been programmed OFF.

The security system continually ignores the zone that was active until the input stops. 3-seconds after the input stops, the system monitors that input normally.

For example, if your vehicle has interior light exit delay and you arm it before the interior light goes out, you may hear Bypass Notification sounds. Once the light shuts off, the doors are monitored normally.

## Disarming Diagnostics

Extra disarm honks are known as Tamper Alerts. If four honks are heard when disarming, the system was triggered in your absence. If five honks are heard, a zone was triggered repeatedly, and the Nuisance Prevention Circuitry bypassed that zone (see NPC section of this guide).

The in-vehicle status LED indicates which zone was involved. (See 'Table of Zones' section of this guide.) The system retains this information in its memory and continues to honk four or five times each time it is disarmed, until the next time the ignition is turned on.

## System Status Honks

The horn sounds when arming and disarming the system. The pattern of honks audibly reports the system's status as described below.

Action	Honks	Description
Arm	1	Armed
Arm	(3-second delay) 1	Armed with Bypass Notification
Disarm	2	Disarmed
Disarm	4	Disarmed with Tamper Alert
Disarm	5	Disarmed NPC active

## Table of Zones

The zone number is the number of LED flashes used by the system to identify that input. The standard input assignments are listed below.

Note: Warn Away responses are not reported in the table of zones.

Zone/LED Flashes	Description
1	Trunk / Sensor 2
2	Impact Sensor: a light impact activates Warn away and a heavier impact activates full alarm
3	Door switch trigger
4	NOT USED
5	Ignition trigger

## Interpreting Zone Diagnostics

Warn Away responses are not reported by arming or disarming diagnostics. If you receive a Bypass notification when arming or a Tamper Alert notification when disarming, look at the in-vehicle status LED. Active or triggered zones will be indicated by a pattern of blinks by this LED.

*For example:* If Zone 3 (door) was active or triggered, the in-vehicle LED will blink three times with a 2-second pause. Then it will blink three times again and repeat until the ignition is turned on.

If your system has been triggered but the LED has been reset by turning on the ignition, your dealer can still recall the last zones that were triggered. Contact your dealer for details.



## Code Hopping

The receiver and transmitters each use algorithms to change their codes each time the transmitter is used. This technology has been developed to increase the security of the system. The system knows what the next codes should be. This helps to keep the transmitter “in sync” with the control unit even if you use the remote control out of range of the vehicle. However, if the transmitter has been pressed many times out of range of the vehicle, or if the battery has been removed, it may get out of sync with the control unit and fail to operate the system.

To re-sync the remote control, simply press **LOCK** several times within range of the vehicle. The alarm will automatically re-sync and respond to the transmitters normally.

## Rapid Resume Logic

If system power is lost and then reconnected, the system will recall the stored state from memory. This means if the unit is in Valet Mode and the battery is disconnected for any reason, such as servicing the car, when the battery is reconnected, the unit will still be in Valet Mode. This applies to all states of the system including Armed, Disarmed, and Valet Mode.

## Power Saver Mode

Your system will automatically enter Power Saver Mode while armed or in Valet Mode, after a period of time in which no operation has been performed. This lowers the current draw to the vehicle's battery. Power Saver Mode takes over under the following conditions:

- **Power Saver when the system is armed:** After the system has been armed for 24 hours, the in-vehicle LED will flash at half its normal rate, decreasing the system's current draw.
- **Power Saver in Valet Mode:** When the system enters Valet Mode the in-vehicle LED illuminates steadily. If the vehicle is not used (ignition is not turned on) for a period of one hour while the system is in Valet Mode, the LED will shut off. If the system remains in Valet Mode, the LED will come back on the next time the ignition is turned on and then back off.

## Battery Information

When the remote control battery begins to weaken, the operating range will be reduced.

### **Battery Replacement:**

If communication range is diminished, or the remote control ceases to function, the remote battery should be replaced. It is recommended to have your battery replaced by an Authorized Dealer. To gain access to the battery, the rear case will need to be separated from the transmitter. In some cases, remotes may have a small security screw(s) that needs to be removed prior to separating.

Note: USB-Rechargeable remote control batteries are not intended to be replaced. If your remote fails to charge, contact your Authorized Dealer.

**IMPORTANT:** Improper remote disassembly may result in injury or damage to the remote and or battery.

## Battery Disposal



We care about the environment. If you need to dispose of the battery, please do so in accordance with your local municipal requirements for battery disposal.

## Patent Information

This product may be covered by one or more of the patents found on our website. For a full list of patents, please visit: [www.voxxintl.com/company/patents](http://www.voxxintl.com/company/patents)

## Government Regulations

### **FCC Compliance**

This device complies with Part 15 of the FCC rules and with RSS-210 of Industry Canada. 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 any interference that may cause undesired operation.

### **Warning!**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

# Warranty Information



## LIMITED LIFETIME WARRANTY

DIRECTED by VOXX LLC (the Company) warrants to the original purchaser of this product that should this product or any part thereof, under normal use and conditions, be proven defective in material or workmanship within the Lifetime from the date of original purchase in the original vehicle, such defect(s) will be repaired or replaced with new or reconditioned product, (at the Company's option) without charge for parts or repair labor. A transmitter for a vehicle security or remote start system is warranted for 12 months from the date of original purchase.

To obtain repair or replacement within the terms of this Warranty, the product is to be delivered with proof of warranty coverage (e.g. dated bill of sale), authorization number, specification of defect(s), transportation prepaid, to an approved warranty station. This warranty is not transferable.

This Warranty does not cover damage to the vehicle's electrical system or costs incurred for the installation, removal or reinstallation of the product. This Warranty does not cover batteries, broken LCD transmitter display screens, nor apply to any product or part thereof which, in the opinion of the Company, has suffered or been damaged through alteration, improper installation, mishandling, misuse, abuse, neglect, accident, or by removal or defacement of the factory serial number/bar code label(s).

This Warranty is in lieu of all other express warranties or liabilities. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 24 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY. No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

The company does not warrant that this product cannot be compromised or circumvented. THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT WITHOUT INSTALLATION LABOR.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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