

## Avital 5105L

# AVITAL 5105L 1-Way Security & Remote-Start System

## USER MANUAL

Brand: Avital | Model: 5105L

### 1. Introduction

The Avital 5105L is a sophisticated 1-Way Security and Remote-Start System designed to provide enhanced protection and convenience for your vehicle. This system integrates advanced security features with the comfort of remote engine starting, ensuring your vehicle is secure and ready when you are. This manual provides essential information for understanding, operating, and maintaining your Avital 5105L system.



This image displays the two primary 4-button remote controls included with the Avital 5105L system, alongside its retail packaging. The remotes feature buttons for lock, unlock, remote start, and an auxiliary function.

### 2. Key Features

- **One-Way 4-Button Remote:** Provides convenient control over your vehicle's security and remote start functions.
- **Remote Engine Start:** Start your vehicle's engine from a distance for pre-cooling or pre-heating.
- **Bitwriter Programmable:** Allows for easy configuration and customization of system settings.
- **D2D Serial Data Port:** Enables quick and seamless connection to other interface devices.

- **Comprehensive Security Features:** Includes a fault-proof starter interrupt to prevent hot-wiring.
- **Superhet Receiver (HX):** Ensures excellent operating range for reliable communication.
- **Dual-Zone Impact Sensor:** Detects blows or impacts to your vehicle, triggering chirps or the full siren.
- **Nuisance Prevention Circuitry (NPC):** Advanced technology to minimize false alarms.
- **Virtual Tach:** Eliminates the need for a tachometer wire connection in most installations by sampling vehicle voltage.
- **XCR Onboard Relays:** Extreme capacity remote start relays are built directly into the system.
- **Timer Mode:** Allows for timed operation of certain features.
- **Directed SmartStart Compatible:** Ready for integration with Directed SmartStart modules for smartphone control (module sold separately).

### 3. Setup and Installation

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The Avital 5105L system requires professional installation due to its complexity and integration with vehicle electrical systems. Attempting self-installation without proper knowledge and tools can lead to damage to the system or your vehicle, and may void your warranty.

It is highly recommended to have this system installed by an authorized Avital dealer or a certified automotive electronics technician. They possess the necessary expertise and specialized tools to ensure correct wiring, programming, and optimal performance of all features.

For detailed wiring diagrams and programming instructions, please refer to the installer's guide provided with the product or consult your professional installer.

### 4. Operating Instructions

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Your Avital 5105L system comes with two 4-button remote controls. Familiarize yourself with the buttons and their functions:

- **Lock Button ( ):**
  - Press once to arm the security system and lock the vehicle doors.
  - Press and hold for 2 seconds to activate the panic alarm (siren will sound).
- **Unlock Button ( ):**
  - Press once to disarm the security system and unlock the vehicle doors.
- **Remote Start Button ( with arrow):**
  - Press and hold for 2 seconds to initiate remote engine start. The vehicle will start and run for a pre-programmed duration (typically 12 or 15 minutes).
  - To turn off the engine remotely, press and hold the remote start button again.
- **Auxiliary/Trunk Release Button (⌘):**
  - This button can be programmed for various auxiliary functions, such as trunk release, power sliding door, or other vehicle accessories. Consult your installer for the specific function assigned to this button.

#### Important Notes:

- Always ensure your vehicle is in a safe, well-ventilated area before using the remote start feature.

- Never leave children or pets unattended in a remotely started vehicle.
- The system's range can be affected by environmental factors, vehicle location, and battery strength.

## 5. Maintenance

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The Avital 5105L system is designed for low maintenance. However, a few simple steps can help ensure its longevity and optimal performance:

- **Remote Control Batteries:** If the range of your remote control decreases significantly or the LED indicator on the remote does not light up, it may be time to replace the battery. Refer to the remote's specific instructions for battery type and replacement procedure.
- **Keep Clean:** Keep the remote controls and the main control module free from dirt, dust, and moisture. Use a soft, dry cloth for cleaning.
- **Avoid Extreme Conditions:** Do not expose the system components to extreme temperatures, direct sunlight for prolonged periods, or harsh chemicals.
- **Professional Check-ups:** Consider having your system professionally checked during routine vehicle maintenance to ensure all connections are secure and the system is functioning correctly.

## 6. Troubleshooting

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If you experience issues with your Avital 5105L system, try the following basic troubleshooting steps:

- **System Not Responding:**
  - Check the remote control battery. Replace if necessary.
  - Ensure you are within the operating range of the system.
  - Verify that the vehicle's battery is not discharged.
- **Remote Start Fails:**
  - Ensure the vehicle doors are closed, the hood is closed, and the parking brake is engaged (if applicable to your installation).
  - Check if the vehicle's check engine light is on, which might prevent remote start.
  - Confirm the vehicle is in Park (for automatic transmissions) or Neutral (for manual transmissions, if properly configured for remote start).
- **False Alarms:**
  - The dual-zone impact sensor sensitivity might be too high. This usually requires professional adjustment.
  - Ensure the Nuisance Prevention Circuitry (NPC) is active.
- **Reduced Range:**
  - Replace the remote control battery.
  - Environmental interference (e.g., large buildings, radio towers) can affect range. Try moving to a different location.

If these steps do not resolve the issue, it is recommended to contact your authorized Avital installer or a qualified automotive electronics technician for further diagnosis and repair.

## 7. Specifications

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Feature	Detail
Model Number	5105L (Replaces 5103L)
DC Operating Voltage	9.5V - 16V
Operating Temperature	-40°C to 85°C
Current Consumption (Standby)	<15mA @ 13.8V, 25°C
Current Consumption (Armed)	<20mA @ 13.8V, 25°C
Transmitter Frequency	434 MHz
Item Weight	3.35 pounds
Product Dimensions	6.5 x 6.5 x 6 inches
Manufacturer Part Number	5105L


## 8. Warranty and Support





For information regarding the warranty coverage for your Avital 5105L system, please refer to the warranty card included with your product or contact the authorized Avital dealer from whom you purchased the system. Warranty terms and conditions may vary.

For technical support, product inquiries, or to locate an authorized installer, please visit the official Avital website or contact their customer service department. You can also visit the [Avital Store on Amazon](#) for more product information and resources.

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## Related Documents - 5105L


<div><p><b>User Manual of Product 1:</b> Avital 5105L Remote Start and Security System with 1-Way Remote</p><p><b>User Manual of Product 2:</b> Avital 5105L Security System (HFC Series)</p></div>	<p><a href="#">Avital 5105L Remote Start and Security System Owner's Guide</a></p> <p>Comprehensive owner's guide for the Avital 5105L Remote Start and Security System with 1-Way Remote, detailing features, operation, and important safety information.</p>
<div><p>Access 1 Alarm and Audio - 7345L</p><p><b>7345L</b> Brand: Avital Model: 7345L Features: LCD Display, 2-Way Communication, 1/4 Mile Range Price: \$89.99</p><p><b>Description:</b> Brand-NEW Avital 7345L Responder LCD 2-Way 1/4 Mile Range Remote Control Transmitter</p><p>Looking for a replacement Avital remote control for your system or just need an additional remote control? This remote has the features 1-Way and 2-Way communication, Auto Lock, 2-Way and 4-Way remote, car alarm, opening or closing windows, and more. It's a great replacement for your Avital remote control.</p><p>This remote control is for the original transmitter (not the 2-Way) and is not a replacement for the original transmitter. The 2-Way remote control is for the original transmitter (not the 2-Way) and is not a replacement for the original transmitter.</p><p>Works with the following Avital systems:</p><ul style="list-style-type: none"><li>• 5105L</li></ul></div>	<p><a href="#">Avital 7345L Responder LCD 2-Way Remote Control Transmitter</a></p> <p>Discover the Avital 7345L Responder LCD 2-way remote control transmitter, offering 1/4 mile range. This genuine replacement remote is compatible with Avital, Viper, and Clifford systems. Available from Access 1 Alarm &amp; Audio.</p>

<div><div><div>Access 1 Alarm and Audio - 5105L and 5105L-A</div><div>Product Price: \$19.9999 - Street Price: \$29.9999</div></div><div><div>7147L</div><div><div>Brand: Avital Model: 7147L Accessories: 4-Button SKU: 42202-0147L MPN: 42202-0147L SKU: 42202-0147L Location: Cincinnati, Ohio</div><div>Price: \$49.99</div></div></div><div><div>Basic Description</div><div>Access 1 Way Remote</div></div><div><div>Description</div><div>Brand NEW Avital 7147L, 1-Way 4-Button Remote Control Replacement Transmitter</div></div><div><div>Caution</div><div>WARNING: This replacement Avital remote control may not be a perfect fit for your model or your model may not be a perfect fit for this replacement Avital remote control. Please read the instructions carefully and make sure you are using the correct remote control for your system. If you are not sure, please contact your Avital dealer for assistance.</div></div><div><div>This remote control is not the original manufacturer's remote. It may not be compatible with all Avital systems. Please read the instructions carefully and make sure you are using the correct remote control for your system.</div></div><div><div>"Does NOT work for 5105L, 5105L-A, 5105L-X, 5105L-XL, and 5105L-XL-A"</div></div><div><div>What is Included:</div><div><ul style="list-style-type: none"><li>1 Avital 7147L Remote Control</li><li>1 Programming and Owner's Manual</li></ul></div></div><div><div>Replaces The Following Avital Remotes</div></div></div>	<p><a href="#">Avital 7147L 1-Way Remote Control Replacement Transmitter - Access 1 Alarm &amp; Audio</a></p> <p>Find the Avital 7147L, a 1-way, 4-button remote control replacement transmitter. This product is compatible with numerous Avital Avistart and security systems. Includes detailed specifications and compatibility lists. Available from Access 1 Alarm and Audio.</p>
<div><div><div>Access 1 Alarm and Audio - 5105L and 5105L-A</div><div>Product Price: \$19.9999 - Street Price: \$29.9999</div></div><div><div>7143L PAIR</div><div><div>Brand: Avital Model: 7143L PAIR Accessories: 4-Button SKU: 42202-0143L MPN: 42202-0143L SKU: 42202-0143L Location: Cincinnati, Ohio</div><div>Price: \$59.99</div></div></div><div><div>Basic Description</div><div>Access 1 Way Remote - 2</div></div><div><div>Description</div><div>Brand NEW Pair of Avital 7143L, 1-Way 4-Button Remote Control Replacement Transmitters</div></div><div><div>Caution</div><div>WARNING: This replacement Avital remote control may not be a perfect fit for your model or your model may not be a perfect fit for this replacement Avital remote control. Please read the instructions carefully and make sure you are using the correct remote control for your system. If you are not sure, please contact your Avital dealer for assistance.</div></div><div><div>This remote control is not the original manufacturer's remote. It may not be compatible with all Avital systems. Please read the instructions carefully and make sure you are using the correct remote control for your system.</div></div><div><div>What is Included:</div><div><ul style="list-style-type: none"><li>2 Avital 7143L Remote Controls</li><li>1 Programming and Owner's Manual</li></ul></div></div><div><div>Replaces The Following Avital Remotes</div></div></div>	<p><a href="#">Avital 7143L PAIR 1-Way Remote Control Replacement</a></p> <p>Genuine Avital 7143L 1-Way 4-Button remote control replacement transmitter pair. Compatible with various Avital Avistart and security systems. Includes programming and owner's manual.</p>
<div><div><div>Remote Control</div><div>Remote Control 7353L</div></div><div><div><div>Brand: Avital Model: 7353L Accessories: 4-Button SKU: 42202-0143L MPN: 42202-0143L SKU: 42202-0143L Location: Cincinnati, Ohio</div><div>Price: \$59.99</div></div></div><div><div>Basic Description</div><div>Access 1 Way Remote - 2</div></div><div><div>Description</div><div>Brand NEW Pair of Avital 7143L, 1-Way 4-Button Remote Control Replacement Transmitters</div></div><div><div>Caution</div><div>WARNING: This replacement Avital remote control may not be a perfect fit for your model or your model may not be a perfect fit for this replacement Avital remote control. Please read the instructions carefully and make sure you are using the correct remote control for your system. If you are not sure, please contact your Avital dealer for assistance.</div></div><div><div>This remote control is not the original manufacturer's remote. It may not be compatible with all Avital systems. Please read the instructions carefully and make sure you are using the correct remote control for your system.</div></div><div><div>What is Included:</div><div><ul style="list-style-type: none"><li>2 Avital 7143L Remote Controls</li><li>1 Programming and Owner's Manual</li></ul></div></div><div><div>Replaces The Following Avital Remotes</div></div></div>	<p><a href="#">Avital 7353L Remote Control User Guide</a></p> <p>This document provides information on the Avital 7353L remote control, including its features, functions, and government regulations.</p>
<div><div><div>AVITAL</div><div>Model 2300</div><div>Installation Guide</div></div><div><div><div>Brand: Avital Model: 2300 Accessories: 4-Button SKU: 42202-0143L MPN: 42202-0143L SKU: 42202-0143L Location: Cincinnati, Ohio</div><div>Price: \$59.99</div></div></div><div><div>Basic Description</div><div>Access 1 Way Remote - 2</div></div><div><div>Description</div><div>Brand NEW Pair of Avital 7143L, 1-Way 4-Button Remote Control Replacement Transmitters</div></div><div><div>Caution</div><div>WARNING: This replacement Avital remote control may not be a perfect fit for your model or your model may not be a perfect fit for this replacement Avital remote control. Please read the instructions carefully and make sure you are using the correct remote control for your system. If you are not sure, please contact your Avital dealer for assistance.</div></div><div><div>This remote control is not the original manufacturer's remote. It may not be compatible with all Avital systems. Please read the instructions carefully and make sure you are using the correct remote control for your system.</div></div><div><div>What is Included:</div><div><ul style="list-style-type: none"><li>2 Avital 7143L Remote Controls</li><li>1 Programming and Owner's Manual</li></ul></div></div><div><div>Replaces The Following Avital Remotes</div></div></div>	<p><a href="#">Avital Model 2300 Car Alarm Installation Guide</a></p> <p>Detailed installation guide for the Avital Model 2300 car alarm system, covering wiring, features, programming, and troubleshooting for vehicle security.</p>

Access 1 Alarm and Audio - 10418 Lorain Ave  
Cleveland, OH 44111

Phone: (216) 252-3000 - Email: [sales@access1alarm.com](mailto:sales@access1alarm.com)

7147L PAIR



Brand: Avital

Product Code: 7147L-PAIR

Availability: In Stock

UPC: 044476161469

FCC ID: EZSDEI7146

MPN: Avital 7147L - PAIR

Location: Cleveland, Ohio

Price: \$64.99

Short Description

Avital 1-Way Remote x2

Description

Brand NEW Pair of Avital 7147L 1-Way 4-Button Remote Control Replacement Transmitters

Looking for a replacement Avital remote control for your system or just need an additional remote control? Buy brand new from Access 1 Alarm and Audio!

This remote control is from the original manufacturer ensuring that you are receiving a genuine NEW product made for your Avital system.

"Does NOT work for 2103L, 3103L, 3103LX, 3308L and the 5308L."

What is Included:

- 2 Avital 7147L Remote Controls
- Programming and Owners Manual

[\[pdf\]](#) User Manual Owner's Manual Instructions

Product Access 1 Alarm Audio 7147L PAIR FCC ID EZSDEI7146 MPN Avital Location Cleveland Ohio

Price \$64 99 Short Description Way Remote x2 Brand NEW Pair day ago — Pair Programming and

Owners Manual Page 2 Replaces The Following Remotes Video instructions will be available on our

YouTube page under remote controls product 1502 access1alarm component eshop id |||

Access 1 Alarm and Audio - 10418 Lorain Ave Cleveland, OH 44111 7147L PAIR

Phone: 216 252-3000 - ... 477L 7143L 820041 Works with the following Avital Avistart

and security systems: 5305L 5303L 5108L **5105L** 4308L 4109L 4108L 4105L 4103L


3305L 3300L 3100LX 3100L 2101L DS3 DS3 DS4 DS4 D9147L Please m...

lang:en score:37 filesize: 170.69 K page\_count: 3 document date: 2025-08-01

Access 1 Alarm and Audio - 10418 Lorain Ave  
Cleveland, OH 44111

Phone: (216) 252-3000 - Email: [sales@access1alarm.com](mailto:sales@access1alarm.com)

7147L



Brand: Avital

Product Code: 7147L

Availability: In Stock

UPC: 044476161469

FCC ID: EZSDEI7146

MPN: Avital 7147L

Location: Cleveland, Ohio

Price: \$49.99

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Description

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[Avital 7147L 1-Way Remote Control Replacement Transmitter - Access 1 Alarm & Audio](#)

Find the Avital 7147L, a 1-way, 4-button remote control replacement transmitter. This product is compatible with numerous Avital Avistart and security systems. Includes detailed specifications and compatibility lists. Available from Access 1 Alarm and Audio.

lang:en score:36 filesize: 157.58 K page\_count: 3 document date: 2025-06-12



### [Avital 5105L Car Alarm System with Remote Start - Product Overview](#)

Detailed overview of the Avital 5105L, a 1-way car alarm and remote start system featuring a shock sensor, starter interrupt, and 1500 ft range. Includes specifications, features, and warranty information from Access 1 Alarm & Audio.

lang:en **score:33** filesize: 203.67 K page\_count: 4 document date: 2025-08-30

**DIRECTED.**

Models  
5105V, 5105P  
5105X, 5105A  
5105L

Owner's Guide

### [Directed 5105V, 5105P, 5105X, 5105A, 5105L Vehicle Security and Remote Start Owner's Guide](#)

Comprehensive owner's guide for the Directed 5105 Series vehicle security and remote start systems, covering basic commands, advanced features, installation, safety, and warranty information.

lang:en **score:27** filesize: 129.64 K page\_count: 38 document date: 2015-08-05

**User Manual of Product 1:**  
Avital 5105L Remote Start and Security System with 1-Way Remote  
**User Manual of Product 2:**  
Avital 3100LX Security System (W/O Siren)

### [Avital 5105L Remote Start and Security System Owner's Guide](#)

Comprehensive owner's guide for the Avital 5105L Remote Start and Security System with 1-Way Remote, detailing features, operation, and important safety information.

lang:en **score:26** filesize: 533.02 K page\_count: 55 document date: 0000-00-00

**DIRECTED.**

Models  
5105V, 5105P  
5105X, 5105A  
5105L

Owner's Guide

[\[pdf\]](#) User Manual Guide

Avital 5105L Remote Start and Security System Owner Guide is a trusted brand known for its innovative automotive security remote start systems With focus on reliability user friendly features products offer convenience peace of mind to vehicle owners Their range includes starters keyless entry alarms designed enhance the safety comfort driving experiences s reputation quality performance has made it popular choice among car enthusiasts everyday drivers alike ManualsDock manualsdock 2024 02 |||

Models 5105V, 5105P 5105X, 5105A **5105L** Owner s Guide Congratulations

Congratulations on the purchase of your state-of-the-art security/keyless entry and remote start system. Reading this Owner s Guide prior to using your system will help maximize the use of your system and its many features. For ...

lang:en **score:22** filesize: 120.83 K page\_count: 38 document date: 2024-02-21

**DIRECTED.**

Modèle  
5105V, 5105P  
5105X, 5105A  
5105L

**Manuel D'Utilisation**

G5105 FR 2015-10

[\[pdf\]](#) Guide

G5105 FR 2015 10b web aaron mcgarry web2 directeddealers manuals OG Avital Python

Modle 5105V, 5105P 5105X, 5105A **5105L** Manuel D Utilisation G5105 FR 2015-10

FRANAIS Flicitations Flicitations pour l achat de votre systme de securit et de dmarrage distance sans cl la fine pointe de la technologie. La lecture de ce manuel du proprietaire avant l utilisation de votre systme vous...

lang:fr **score:20** filesize: 126.67 K page\_count: 38 document date: 2015-10-12





[\[pdf\]](#) User Manual

G5105 ES 2015 10b web aaron mcgarry web2 directeddealers manuals OG Avital Python

Modelo 5105V, 5105P 5105X, 5105A **5105L** Gua Del Propietario G5105 ES 2015-10 ESPAOL Felicitaciones Felicidades por la compra de su moderno sistema de seguridad/sin llaves y encendido a distancia. Leer este manual del usuario antes de usar su sistema le ayudar a maximizar el uso de su sistema y s...

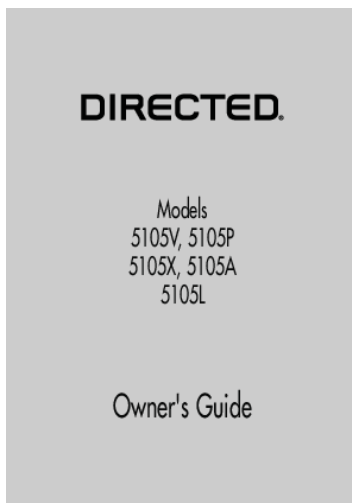
lang:es **score:20** filesize: 125.09 K page\_count: 38 document date: 2015-10-12



[Avital 2021 Winter Catalog: Vehicle Remote Start, Security, and Convenience Systems](#)

Browse the Avital 2021 Winter catalog, featuring a comprehensive range of vehicle remote start systems, advanced security solutions, keyless entry, and convenience products. Discover models like the DS3 series, DS3P, and the Directed SmartStart Pro for ultimate car control and protection.

lang:en **score:15** filesize: 887.56 K page\_count: 4 document date: 2020-12-11



[Directed 5105V/5105P/5105X/5105A/5105L Owner's Guide - Vehicle Security & Remote Start System](#)

Comprehensive owner's guide for Directed 5105 series vehicle security and remote start systems, covering installation, operation, features, troubleshooting, and warranty. Learn how to use your car alarm and remote start system effectively.

lang:en **score:11** filesize: 129.65 K page\_count: 38 document date: 2015-08-05