Idatalink BLADE-AL

Idatalink Blade-AL Integration Transponder Doorlock Bypass User Manual

Model: BLADE-AL | Brand: Idatalink

1. Introduction

The Idatalink Blade-AL (ADS-Blade AL) is a web-programmable data immobilizer bypass and doorlock integration cartridge. It is designed to act as an intermediary between a remote start system and a vehicle's computer, enabling seamless remote start functionality without compromising the vehicle's factory security. This module supports over 4000 vehicle models from 1997 to the current date, including exclusive KLON firmware applications. It integrates directly into Blade-compatible remote start modules, vehicle security, and convenience products.

2. Setup

2.1. Account Creation & Software Installation

Before proceeding with the setup, it is necessary to create an account on the official Compustar iDatalink website. It is recommended to complete the registration process using Internet Explorer and allow ActiveX to be enabled if prompted by the browser. This ensures proper functionality of the web-programming interface.

Required Items for Setup and Programming:

- **Computer:** A personal computer (PC) with Internet Explorer installed.
- **ADS-USB:** The iDatalink ADS-USB programming tool (sold separately).
- **Compustar Controller:** Your compatible Compustar remote start controller.
- **Blade AL/TB Module:** The Idatalink Blade-AL integration cartridge.



Figure 1: Idatalink Blade-AL module, its retail packaging, and the associated wiring harness.

2.2. Hardware Connection

1. **Dock the Blade Module:** Carefully insert your Blade-AL module into the dedicated slot on your Compustar controller. Ensure it is securely seated.



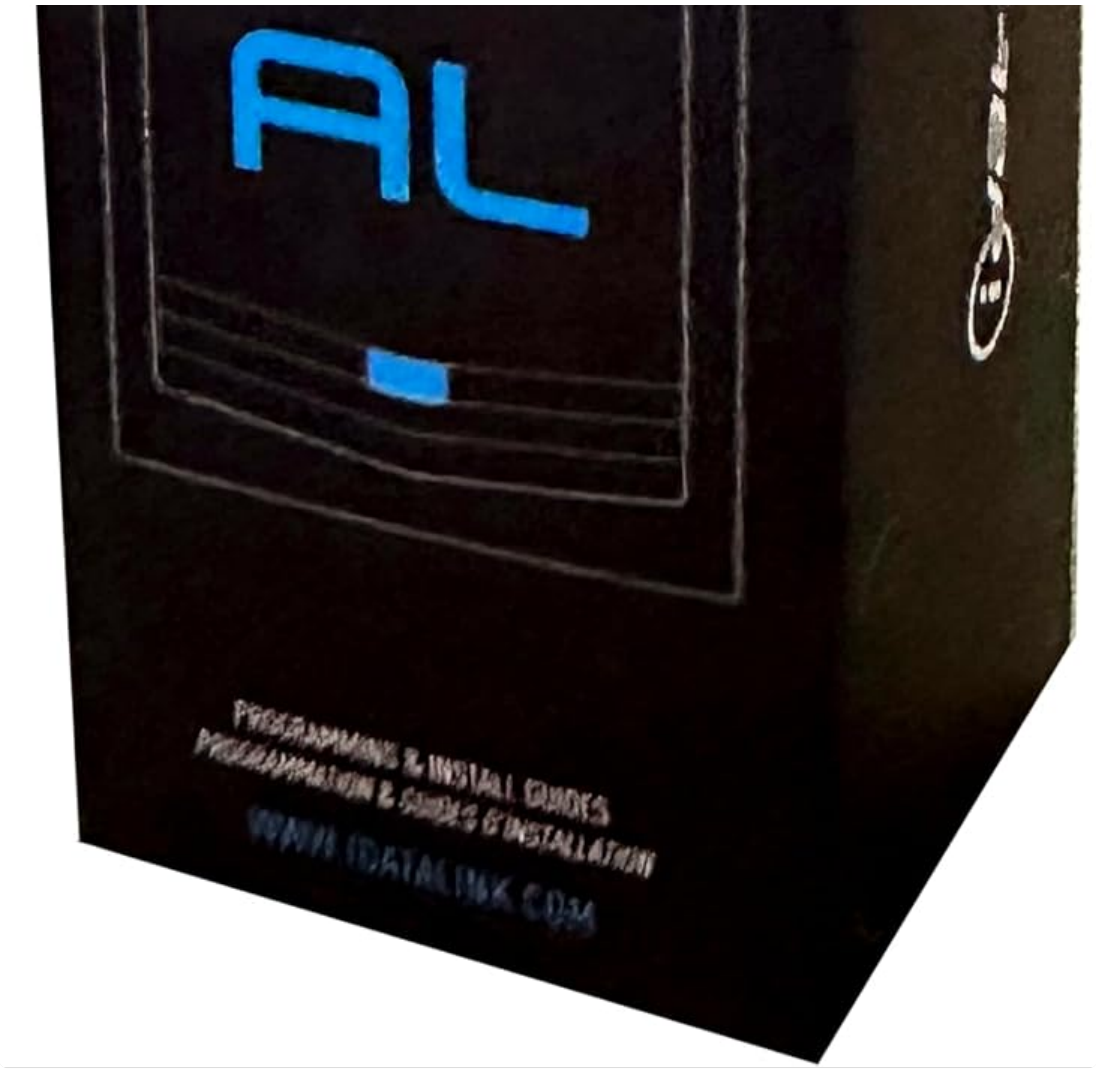


Figure 2: The Blade-AL module is designed to slide directly into the compatible Compustar controller for integration.

2. **Connect ADS-USB to PC:** Plug the ADS-USB programming tool into an available USB port on your computer.
3. **Connect Module to ADS-USB:** Use the cable labeled 'iDatalink module' (typically included with the ADS-USB) and plug it into the black RS-232 data port on the Compustar controller.

Your browser does not support the video tag.

Video 1: This video demonstrates the process of flashing and updating the Blade module and Compustar controller, including the physical connections required.

3. Operating

3.1. Module Flashing

Once all hardware is connected, proceed with the module flashing process:

1. **Launch Browser:** Open Internet Explorer on your computer.
2. **Visit Website:** Navigate to compustar.idatalink.com.
3. **Select 'Flash Your Module':** On the website, locate and click the 'Flash Your Module' option.
4. **Vehicle Selection:** The system will detect your connected hardware. You will then be prompted to select the **year**, **make**, and **model** of the vehicle you are working on from the provided dropdown menus.
5. **Flash Firmware:** After selecting the vehicle, you can choose to either configure specific features

for the Blade module or select 'Flash' to load the default settings. The website will indicate when the flashing process is complete.

6. **Download Installation Guide:** The website will provide a link to download the appropriate installation guide for your specific vehicle and firmware. It is highly recommended to download and review this guide for detailed vehicle-specific wiring and installation instructions.

3.2. Feature Configuration

While the controller remains connected to your PC, you can configure various features:

1. **Access Remote Starter Tab:** On the website, select the 'Remote Starter' tab.
2. **Configure Features:** This section allows you to customize various remote starter features, such as remote start runtime, programmable outputs, double pulse unlock, and other system behaviors.
3. **Save Changes:** After making your desired selections, ensure you save the configuration.

These configuration options can also be adjusted directly in the vehicle using an OP500 programming tool, providing flexibility for post-installation adjustments.

4. Maintenance

To ensure the longevity and optimal performance of your Idatalink Blade-AL module and Compustar controller, follow these general maintenance guidelines:

- **Keep Dry:** Protect the module and controller from moisture and liquids. Water damage can severely impair electronic components.
- **Keep Clean:** Periodically inspect the module and its connections for dust or debris. Use a soft, dry cloth to gently clean the exterior. Avoid using harsh chemicals or abrasive materials.
- **Secure Connections:** Ensure all wiring and connections remain secure and free from strain. Loose connections can lead to intermittent operation or system failures.
- **Environmental Protection:** Install the unit in a location within the vehicle that is protected from extreme temperatures and direct sunlight, as prolonged exposure can affect performance.

5. Troubleshooting

If you encounter issues with your Idatalink Blade-AL module, consider the following troubleshooting steps:

- **Verify Connections:** Double-check all physical connections between the Blade-AL module, the Compustar controller, the ADS-USB, and your computer. Ensure they are firmly seated.
- **Software Compatibility:** Confirm you are using Internet Explorer for web-programming, as recommended, and that ActiveX is enabled.
- **Firmware Update:** Ensure the latest firmware is flashed onto both your Blade-AL module and your Compustar controller. Outdated firmware can cause compatibility issues.
- **Vehicle Compatibility:** Verify that your specific vehicle year, make, and model are supported by the Blade-AL module and the selected firmware. Not all vehicles are compatible.
- **Missing Components:** If the product was recently received, check for any missing components, such as the wiring harness, which are essential for installation and operation.

- **Professional Installation:** For complex issues or if you are unsure about any step, professional installation is highly recommended.

6. Specifications

Attribute	Value
Model Number	BLADE-AL
Manufacturer	Idatalink
ASIN	B002X926GW
Package Dimensions	4.49 x 1.81 x 1.65 inches
Item Weight	2.89 ounces

7. Warranty & Support

7.1. Warranty Information

Specific warranty details for the Idatalink Blade-AL module are typically provided with the product packaging or on the manufacturer's official website. For extended coverage, protection plans may be available for purchase separately. Please refer to your purchase documentation or the manufacturer's website for comprehensive warranty terms and conditions.

7.2. Support Resources

- **Installation Manual (PDF):** A detailed installation manual is available in PDF format for download. This document provides crucial vehicle-specific instructions. Download PDF Manual
- **Web-Programming Tool:** The Idatalink ADS-USB is required for web-programming the module.
- **Professional Installation:** It is highly recommended to seek professional installation for this product to ensure correct setup and functionality.
- **Technical Support:** For technical assistance, you may contact support at 1.888.820.3499 EXT. 203.