

Idatalink BLADEAL

Idatalink Compustar Blade-AL Universal Bypass Integration Transponder Module User Manual

Model: BLADEAL

1. OVERVIEW

The Idatalink Compustar Blade-AL is a universal 'all-in-one' integration cartridge designed for seamless integration with Blade-compatible remote start modules, vehicle security, and convenience products. This module acts as an essential intermediary between your remote start system and the vehicle's computer, enabling remote start functionality without compromising factory security. It supports over 4000 vehicle models from 1997 to date, including exclusive KLON firmware applications.



Figure 1: Idatalink Compustar Blade-AL module with its associated wiring harness.

2. SETUP AND INITIAL PROGRAMMING

Before installation, the Blade-AL module requires programming with vehicle-specific firmware. This process is

performed using a computer and the Idatalink Weblink Updater.

2.1 Required Components

- Computer (Windows PC recommended for Internet Explorer compatibility)
- Idatalink ADS-USB (sold separately)
- Compustar Controller (e.g., CM7200)
- Blade-AL Module



Figure 2: The Idatalink ADS-USB cable, essential for module programming.

2.2 Account Registration

Create an account on the official programming website: compustar.idatalink.com. It is recommended to complete registration using Internet Explorer and allow ActiveX to be enabled if prompted by the browser.

2.3 Hardware Connection

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



Figure 3: Inserting the Blade-AL module into the Compustar controller.

2. Plug the ADS-USB cable into an available USB port on your computer.
3. Connect the cable labeled 'Idatalink Module' from the ADS-USB to the black RS232 data port on the Compustar controller.

2.4 Software Programming

Follow these steps to program your module:

1. Launch Internet Explorer and navigate to compustar.idatalink.com.
2. Select the 'Flash Your Module' option on the website.
3. Once the hardware is detected, you will be directed to the programming home screen.
4. Under 'Vehicle Selection', choose the correct year, make, and model of the vehicle you will be working on.
5. You can either configure specific features for the Blade-AL module or select 'Flash' to load the default settings.
6. The site will confirm 'Flashing Completed!' and provide the appropriate installation guide for download.
7. While the controller is still plugged in, select the 'Remote Starter' tab. Here, you can configure additional features such as remote start run time, programmable outputs, and double pulse unlock. These settings can also be adjusted in the vehicle using an OP500 programmer.
8. This tab also allows you to update the firmware for the controller when available.

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Video 1: Idatalink BLADE Remote Start/Security Bypass Module Flashing. This video demonstrates the process of flashing and updating your Blade module and Compustar controller using the Weblink Updater.

3. OPERATION

Once the Blade-AL module and Compustar controller are properly flashed and configured, they will enable remote start and other convenience features for your vehicle. The module seamlessly integrates with your vehicle's immobilizer system, allowing the remote starter to function without requiring a spare key to be left inside the vehicle.

Specific operational details, such as remote start sequence, lock/unlock functions, and trunk release, will depend on the features configured during the programming process and the capabilities of your Compustar remote starter system.



Figure 4: The Blade-AL module facilitates remote functions via the vehicle's key fob or remote starter.

4. MAINTENANCE

The Idatalink Compustar Blade-AL module is designed for long-term reliability and typically requires minimal maintenance. To ensure optimal performance and longevity:

- **Keep Dry:** Avoid exposing the module to moisture or liquids.
- **Temperature Control:** Do not expose the module to extreme temperatures, either hot or cold.
- **Physical Protection:** Ensure the module is securely mounted within the vehicle to prevent physical damage from vibrations or impacts.
- **Firmware Updates:** Periodically check the compustar.idatalink.com website for new firmware releases that may offer improved performance, bug fixes, or expanded vehicle compatibility.

5. TROUBLESHOOTING

If you encounter issues with your Blade-AL module or Compustar system, consider the following common points:

- **Module Not Detected / Programming Issues:**

Ensure the ADS-USB cable is correctly connected to both the computer and the Compustar controller. Verify that you are using Internet Explorer for the Weblink Updater and that ActiveX is enabled. If issues persist, try a different USB port or computer.

- **Remote Start Not Functioning:**

Confirm that the Blade-AL module has been correctly flashed with the appropriate firmware for your specific vehicle year, make, and model. Check all wiring connections between the module, controller, and vehicle. Verify that the remote start features are enabled in the module's configuration settings.

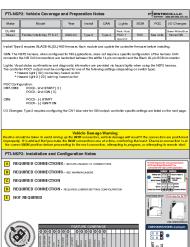
- **Vehicle Compatibility:**

While the Blade-AL is universal, specific vehicle models require precise firmware. Ensure the correct firmware is loaded.

- **Professional Installation:**

The installation and programming of this module can be complex. **Professional installation is highly recommended.** Many issues arise from incorrect wiring or improper firmware flashing. If you are not experienced with car electronics, seek assistance from a certified installer.

- **Related Documents - BLADEAL**

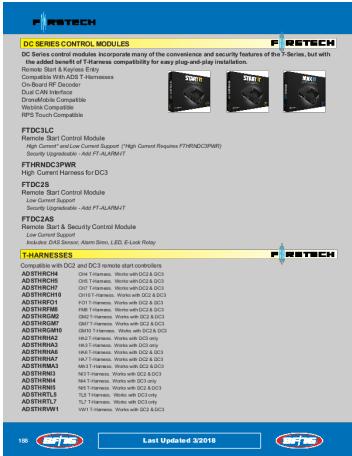
	<p>iDatalink BLADE-AL(TB)-TL-EN Install Guide Comprehensive installation guide for the iDatalink BLADE-AL(TB)-TL-EN remote starter and transponder bypass system, covering wire cross-reference charts, wiring diagrams, and programming procedures for various Toyota and Lexus models.</p>
	<p>iDatalink BLADE-AL(DL)-HA3-EN Install Guide for Honda and Acura Comprehensive installation guide for the iDatalink BLADE-AL(DL)-HA3-EN remote start and security system, compatible with various Honda and Acura models. Includes wiring diagrams, installation types, and programming procedures.</p>
	<p>iDataLink AKX-AL(RS)-TL6-[ADS-ALCA] Install Guide Comprehensive installation guide for the iDataLink AKX-AL(RS)-TL6-[ADS-ALCA] remote starter system, detailing vehicle compatibility, wiring diagrams, programming procedures, and troubleshooting for various Lexus and Toyota models.</p>
	<p>FTI-NSP2 Installation Guide: Nissan Frontier Intelli-Key PTS AT (2020-2024) Comprehensive installation and configuration guide for the FRSTECH FTI-NSP2 module, designed for the 2020-2024 Nissan Frontier Intelli-Key PTS AT. Includes vehicle coverage, preparation notes, wiring diagrams, programming procedures, and vehicle take-over instructions.</p>
	<p>iDatalink CFL-AL(RS)-CH5-[ADS-ALCA] Remote Starter Install Guide Comprehensive installation guide for the iDatalink CFL-AL(RS)-CH5-[ADS-ALCA] remote starter and data interface module, covering vehicle compatibility, wiring, programming, and diagnostics.</p>
	<p>iDataLINK BLADE-AL(DL)-FM4-EN Doorlock Interface Install Guide for Ford Vehicles Comprehensive installation guide for the iDataLINK BLADE-AL(DL)-FM4-EN doorlock interface module, detailing compatibility with various Ford models, wiring diagrams, module programming procedures, and troubleshooting steps for certified technicians.</p>



[Firstech CM4200-DX & CM5200 Installation Manual](#)

Comprehensive installation manual for Firstech CM4200-DX and CM5200 remote start control modules. Covers installation, programming, wiring, and troubleshooting for experienced technicians.

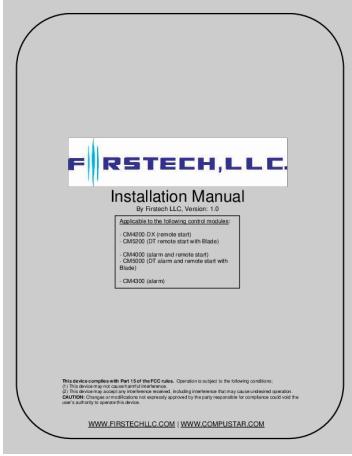
lang:en **score:21** filesize: 623.03 K page_count: 27 document date: 2009-04-02



[Firstech Remote Start and Security Systems Catalog](#)

A comprehensive catalog of Firstech remote start and security systems, including DC Series control modules, T-Harnesses, 7 Series control modules, Momento cameras, iDatalink remote starters, DroneMobile telematics, Compustar RF kits and bundles, Arctic Start RF kits and bundles, FTX RF kits and bundles, and Firstech bypass modules and accessories.

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

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Installation Manual By Firstech LLC, Version: 1.0 Applicable to the following control modules: - CM4200-DX remote start - CM5200 DT remote start with Blade - CM4000 alarm and remote start - CM5000 DT alarm and remote start with Blade - CM4300 alarm This device complies with Part 15 of the ...

lang:en **score:9** filesize: 629.53 K page_count: 36 document date: 2008-06-24