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› FirstTech DC3-HC Remote Start Module User Manual

FirstTech DC3-HC

FirstTech DC3-HC Remote Start Module User Manual

Model: DC3-HC

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the FirstTech DC3-HC Remote Start Module. The DC3-HC is designed to add remote start capabilities to your vehicle, ensuring optimal climate control before entry. It is particularly suited for vehicles with Push-to-Start systems and/or Dual-CAN systems. For streamlined integration, the DC3-HC can be paired with an ADS T-harness.

Please read this manual thoroughly before attempting any installation or operation to ensure proper function and to avoid potential damage.



Figure 1: FirstTech DC3-HC Remote Start Module with its packaging.

2. KEY FEATURES

- **CM-DC3 Remote Start Module:** Core unit for remote vehicle starting.
- **3X LOCK START:** Enables remote start by pressing the lock button three times on select vehicle OEM remotes.
- **Hi-Current Harness Included:** Provides necessary wiring for high-current applications.
- **Broad Compatibility:** Compatible with Compustar, ArcticStart, FTX, and DroneMobile systems.
- **T-Harness Compatible:** Designed for easy integration with vehicle-specific T-harnesses.
- **Keyless Entry:** Supports keyless entry functions.
- **Security Upgradeable:** Can be integrated into existing or new security systems.
- **DroneMobile Ready:** Compatible with DroneMobile for smartphone control.
- **Push-to-Start Ready:** Specifically designed for vehicles with push-to-start ignition.
- **OEM Remote Compatible:** Works with your vehicle's original remote control.
- **Battery-Backup Input:** Allows for connection of an external battery backup.
- **Built-in Dual-CAN:** Integrated dual-CAN bus support for modern vehicle communication.
- **No Bypass Module Required:** Simplifies installation by eliminating the need for a separate bypass module.
- **Low/High-Current Support:** Versatile power handling capabilities.

3. SETUP AND INSTALLATION

Installation of the FirstTech DC3-HC module requires technical knowledge of vehicle electrical systems and CAN bus communication. It is highly recommended that installation be performed by a certified professional.

3.1. Pre-Installation Checklist

- Verify vehicle compatibility with the DC3-HC module.
- Ensure all necessary tools and an appropriate ADS T-harness (if applicable) are available.
- Disconnect the vehicle's negative battery terminal before beginning installation.
- Review the vehicle-specific wiring diagram for your make and model.

3.2. Installation Steps (General Guidelines)

1. Locate the vehicle's ignition harness and relevant CAN bus connections.
2. Connect the DC3-HC module using the provided Hi-Current Harness and/or an ADS T-harness. Ensure all connections are secure and properly insulated.
3. Mount the DC3-HC module in a secure, dry location away from excessive heat or moisture.
4. Reconnect the vehicle's negative battery terminal.
5. Perform initial programming and vehicle learning procedures as outlined in the vehicle-specific installation guide (typically available from Firstech's professional installer portal).



Figure 2: Close-up view of the Firstech CM-DC3 module, showing various ports and indicators.

Note: Specific wiring and programming instructions vary significantly by vehicle make, model, and year. Always refer to the detailed vehicle-specific installation guide provided by Firstech for precise instructions.

4. OPERATING INSTRUCTIONS

4.1. Remote Start via OEM Remote (3X Lock Start)

For vehicles where 3X Lock Start is enabled and supported:

1. Ensure the vehicle doors are closed and locked.
2. Press the **LOCK** button on your vehicle's OEM remote control three (3) times consecutively within 3 seconds.
3. The vehicle's parking lights will flash, and the engine will start.
4. The engine will run for a pre-programmed duration (typically 15 minutes) or until the remote start sequence is cancelled.

4.2. Cancelling Remote Start

To cancel an active remote start session:

- Press the **LOCK** button on your OEM remote three (3) times again.
- Alternatively, insert the key into the ignition and turn it to the "ON" or "RUN" position (for non-push-to-start vehicles), or press the brake pedal (for push-to-start vehicles).

4.3. Using with Aftermarket Remotes (Compustar, ArcticStart, FTX)

If your DC3-HC module is paired with a compatible aftermarket remote control system (e.g., Compustar, ArcticStart, FTX), refer to the specific user manual for that remote system for detailed operating instructions. Typically, a dedicated remote start button or sequence will be used.

4.4. Using with DroneMobile

If your DC3-HC module is connected to a DroneMobile system, you can control remote start, lock/unlock, and other functions via the DroneMobile smartphone application. Ensure your DroneMobile account is active and the module is properly linked. Refer to the DroneMobile app's help section for detailed usage.

5. MAINTENANCE

The FirsTech DC3-HC Remote Start Module is designed for maintenance-free operation. However, periodic checks can help ensure its longevity and performance:

- **Visual Inspection:** Periodically inspect the module and its wiring connections for any signs of damage, corrosion, or loose connections.
- **Software Updates:** Ensure the module's firmware is up-to-date. Firmware updates are typically performed by authorized dealers and can improve performance and add new features.
- **Battery Check:** If using a battery-backup input, ensure the external battery is in good condition and properly charged.
- **Cleaning:** Keep the module free from dust and debris. Use a soft, dry cloth for cleaning. Do not use liquid cleaners directly on the module.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your FirsTech DC3-HC module. For complex issues, contact an authorized Firstech dealer or technical support.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Remote start does not activate.	Doors not closed/locked. Hood/trunk open. Low vehicle battery. Incorrect OEM remote sequence. Module not programmed correctly.	Ensure all doors, hood, and trunk are securely closed. Check vehicle battery voltage. Verify the 3X Lock sequence is performed correctly and quickly. Consult an authorized installer for programming verification.
Vehicle starts but immediately shuts off.	Brake pedal pressed. Incorrect vehicle takeover procedure. Module programming issue.	Ensure brake pedal is not pressed during remote start. Follow the correct vehicle takeover procedure (e.g., insert key, turn to ON, press brake). Contact an authorized installer for diagnosis.
Remote range is poor.	Interference. Low remote battery (if using aftermarket remote). Antenna placement issue.	Move away from sources of electromagnetic interference. Replace remote battery. Consult installer to check antenna placement.

7. SPECIFICATIONS

Attribute	Value
Model Number	DC3-HC (MPN: FT-DC3-HC)
Manufacturer	Firstech
Package Dimensions	9.8 x 6.3 x 1.9 inches
Item Weight	1.4 pounds
Compatibility	Vehicles with Push-to-Start and/or Dual-CAN systems; Compustar, ArcticStart, FTX, DroneMobile.
Features	3X Lock Start, T-Harness Compatible, Keyless Entry, Security Upgradeable, DroneMobile Ready, OEM Remote Compatible, Battery-Backup Input, Built-in Dual-CAN, No Bypass Module Required, Low/High-Current Support.

8. WARRANTY INFORMATION

The FirsTech DC3-HC Remote Start Module comes with a**Limited Lifetime Warranty**. This warranty covers defects in materials and workmanship under normal use. For specific terms, conditions, and claim procedures, please refer to the official warranty documentation provided by Firstech or visit their official website. Proof of purchase and professional installation may be required for warranty claims.

9. SUPPORT AND CONTACT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact an authorized Firstech dealer or visit the official Firstech support website. Do not attempt to repair the module yourself, as this may void the warranty.

Firstech Official Website: www.firstech.com

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question