

Compustar CM-900

Compustar CM-900 Remote Start Controller Module User Manual

Model: CM-900

1. INTRODUCTION

This manual provides essential information for the Compustar CM-900 Remote Start Controller Module. The CM-900 is designed as a replacement "brain only" unit for existing Compustar remote start and security systems. It serves as the central processing unit, managing commands from remote controls and vehicle sensors to execute functions such as remote engine start, keyless entry, and security alerts.

Important Note: This module is intended for professional installation. Improper installation can lead to vehicle damage or system malfunction. It does not include wire harnesses and is designed to replace an existing CM-900 unit.

2. PRODUCT OVERVIEW

The Compustar CM-900 module is a compact electronic control unit. It features various ports for connecting to vehicle wiring harnesses, antennas, and other system components. The module's robust design ensures reliable operation within a vehicle's electrical environment.



Figure 1: Top view of the Compustar CM-900 module. This image shows the main body of the module, featuring a label with the model number CM-900 and a serial number (SN: NH00000552333). An arrow indicates the direction for attaching a sticker to the door jamb.



Figure 2: Side view of the Compustar CM-900 module. This image highlights the various input/output connector ports on one side of the module, where wiring harnesses are connected.

3. SETUP AND INSTALLATION

The CM-900 module is designed to be integrated into an existing Compustar remote start system. As a "brain only" unit, it requires connection to pre-existing wiring harnesses and components (e.g., antenna, sensors, vehicle wiring).

3.1. Pre-Installation Checks

- Ensure the vehicle's battery is disconnected before beginning installation.
- Verify that the existing wiring harnesses are compatible with the CM-900 module.
- Confirm that all necessary components (remote, antenna, sensors) are present and functional.

3.2. Connecting the Module

Carefully connect the vehicle's wiring harnesses to the corresponding ports on the CM-900 module. Refer to the wiring diagram provided on the module's label for correct pin assignments and functions.



Figure 3: Bottom view of the Compustar CM-900 module. This image displays the comprehensive wiring diagram printed on the module's underside, detailing pin assignments for various connectors including Blade Cartridge, 4PIN Antenna, and other input/output connections. The serial number (SN: NH00000552333) is also visible.

Wiring Diagram Key Points:

- **Blade Cartridge Connector:** Typically used for vehicle-specific data integration.
- **Main Power/Ignition:** Connections for +12V Constant, Ignition, Accessory, and Starter.
- **Input/Output (I/O) Wires:** Various wires for functions like unlock, lock, light output, hood trigger, etc.
- **4PIN Antenna:** For connecting the RF antenna.
- **Thermister Port:** For temperature sensor connection.

Ensure all connections are secure and properly insulated to prevent short circuits or signal interference.

3.3. Post-Installation Programming

After physical installation, the CM-900 module may require programming or pairing with your remote controls and vehicle's immobilizer system. This process is typically performed by a certified Compustar installer using specialized tools and software. Refer to the specific programming guide for your complete Compustar system.

4. OPERATING INSTRUCTIONS

The CM-900 module operates as the core of your Compustar remote start and security system. Its functions are activated via your Compustar remote control or compatible smartphone application (if applicable).

- **Remote Start:** Press the designated button on your remote to remotely start or stop your vehicle's engine.
- **Lock/Unlock:** Use the remote buttons to lock or unlock your vehicle's doors.

- **Security Arm/Disarm:** The module will arm or disarm the vehicle's security system based on remote commands.
- **Trunk Release:** If configured, a remote button can activate the trunk release.
- **Auxiliary Functions:** Other programmable functions may be available depending on your system's configuration.

For detailed instructions on using your specific remote control or app, please consult the user manual for your Compustar remote or system.

5. MAINTENANCE

The Compustar CM-900 module is designed for maintenance-free operation once properly installed. However, following these general guidelines can help ensure its longevity:

- **Keep Dry:** Ensure the module is installed in a dry location, away from direct exposure to water or excessive moisture.
- **Avoid Extreme Temperatures:** While designed for automotive environments, prolonged exposure to extreme heat or cold outside of operational limits can affect performance.
- **Secure Mounting:** Ensure the module is securely mounted to prevent vibrations or physical damage during vehicle operation.
- **Cleanliness:** Keep the area around the module free from dust and debris. Do not use harsh chemicals to clean the module itself.

6. TROUBLESHOOTING

If you experience issues with your Compustar system after replacing the CM-900 module, consider the following troubleshooting steps:

- **No Response from Remote:**
 - Check remote battery.
 - Ensure the remote is properly paired with the CM-900 module. Re-pairing may be necessary after module replacement.
 - Verify the antenna connection to the CM-900 module.
- **System Not Functioning (e.g., no remote start):**
 - Check all wiring connections to the CM-900 module for looseness or corrosion.
 - Ensure the vehicle's battery is fully charged and healthy.
 - Confirm that the vehicle is in a state that allows remote start (e.g., doors closed, hood closed, parking brake engaged if required).
- **Security System False Alarms:**
 - Check sensor connections and sensitivity settings.
 - Ensure all doors, hood, and trunk are fully closed.

For complex issues or if troubleshooting steps do not resolve the problem, it is highly recommended to contact a certified Compustar installer or technical support. Attempting advanced repairs without proper knowledge can void your warranty or cause further damage.

7. SPECIFICATIONS

Feature	Detail
Model Name	CM-900
Manufacturer	Compustar (Firstech)
ASIN	B0977QCTS2
UPC	753359662183
Special Feature	Ergonomic (Refers to design for ease of installation/integration)
Unit Count	1.0 Count (Module only)
Compatibility	Designed as a replacement "brain only" for Compustar remote start systems.

8. WARRANTY AND SUPPORT


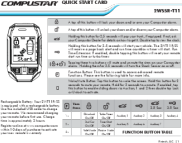

Compustar products are backed by a manufacturer's warranty. The specific terms and duration of the warranty may vary. Please retain your proof of purchase for warranty claims.


For technical support, warranty service, or to locate a certified Compustar installer, please visit the official Compustar website or contact their customer service directly. Do not attempt to open or modify the module, as this may void the warranty.

Official Compustar Website: www.compustar.com

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Related Documents

	<p>CompuStar 2W9000FMR User's Guide: Features, Functions, and Safety</p> <p>Comprehensive user's guide for the CompuStar 2W9000FMR alarm and remote start system. Details button functions, system options, diagnostic messages, manual transmission operation, and warranty information.</p>
	<p>Compustar 2WSSR-T11 Quick Start Guide: Remote Functions and Operation</p> <p>A concise guide to operating the Compustar 2WSSR-T11 remote car starter and keyless entry system, detailing button functions, menu options, battery charging, and important safety information.</p>
	<p>Compustar RS1B-DC3 Remote Starter Product Guide & Installation</p> <p>Comprehensive product guide for the Compustar RS1B-DC3 remote starter. Learn about installation, programming procedures, diagnostics, and troubleshooting for your vehicle.</p>

	<p>Compustar RF-2WR3R-FM Remote Start System Quick Start Guide</p> <p>A concise guide to operating the Compustar RF-2WR3R-FM remote start system, including button functions, LED indicators, and troubleshooting error codes.</p>
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[Firstech CM900 Master Guide: Installation and Operation](#)

Comprehensive master guide for the Firstech CM900 universal Control Module, covering installation, programming, features, and troubleshooting for remote start and alarm systems.

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Installation Manual Lockdown Security The CM 900 slot gives you the ability to use Blade AL and TB modules please visit compustar idatalink for specific wiring diagram for cm 900sfullinstallguidev1 0 lockdownsecurity forumbee media 36xpyh

Installation Manual By Firstech LLC, Version: 1.0 Applicable to the following remote start system: **CM-900** Auto Only Starter Control Module This device complies with Part 15 of the FCC rules. Operation is subject to the following conditions; 1 This device may not cause harmful interference. 2 Th...

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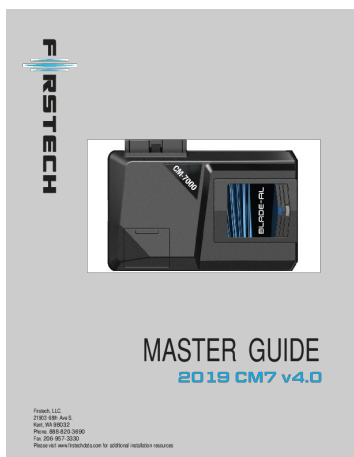
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