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GODIAG GT109

GODIAG Enet OBD2 Cable RJ45 User Manual

Brand: GODIAG

1. Introduction

This manual provides comprehensive instructions for the GODIAG Enet OBD2 Cable RJ45, designed for diagnostic programming and coding of BMW F/G Series vehicles. It facilitates advanced functions such as programming hidden modules and single modules, enhancing your vehicle's capabilities through various compatible software applications. The cable features a robust design with high-quality materials to ensure stable and efficient data transmission. It also includes a real-time voltage display to monitor your vehicle's battery status during critical operations, preventing potential damage from low voltage conditions.



Figure 1: GODIAG Enet OBD2 Cable, showing the OBD2 connector and the RJ45 Ethernet connector.

2. Key Features

- **Module Programming:** Capable of programming single modules or hiding multiple modules to unlock hidden vehicle features.
- **Broad BMW Compatibility:** Supports BMW F-series, new 1 Series, 3 Series, 5 Series, 7 Series, GT, X3, and other models for advanced programming.
- **Real-time Voltage Display:** Integrated OBD2 plug displays real-time voltage. An alarm triggers if voltage drops too low during programming, protecting modules.
- **High-Quality Construction:** Manufactured with international top super-six production lines, featuring pure copper wire and green insulation for superior signal transmission and interference shielding.
- **Software Adaptability:** Compatible with various programming software including ECOM, ICOM, INPA, ISIS, and ISTA. *(Note: Software is not included with this product.)*

3. Setup Instructions

1. **Locate OBD2 Port:** Identify your vehicle's OBD2 diagnostic port, typically located under the dashboard on the driver's side.
2. **Connect OBD2 Cable:** Plug the OBD2 end of the GODIAG Enet cable firmly into the vehicle's OBD2 port. Ensure a secure connection. The integrated voltage display on the OBD2 plug will illuminate, showing the current vehicle voltage.
3. **Connect Ethernet Cable:** Connect the RJ45 (Ethernet) end of the GODIAG Enet cable to your programming device. This can be a laptop with an Ethernet port or a mobile device (smartphone/tablet) using a compatible USB-C to Ethernet adapter (adapter not included).
4. **Prepare Software:** Ensure your chosen diagnostic or programming software (e.g., E-SYS, ISTA, Bimmercode) is installed and properly configured on your device.



Figure 2: Close-up view of the OBD2 and RJ45 connectors of the GODIAG Enet Cable.

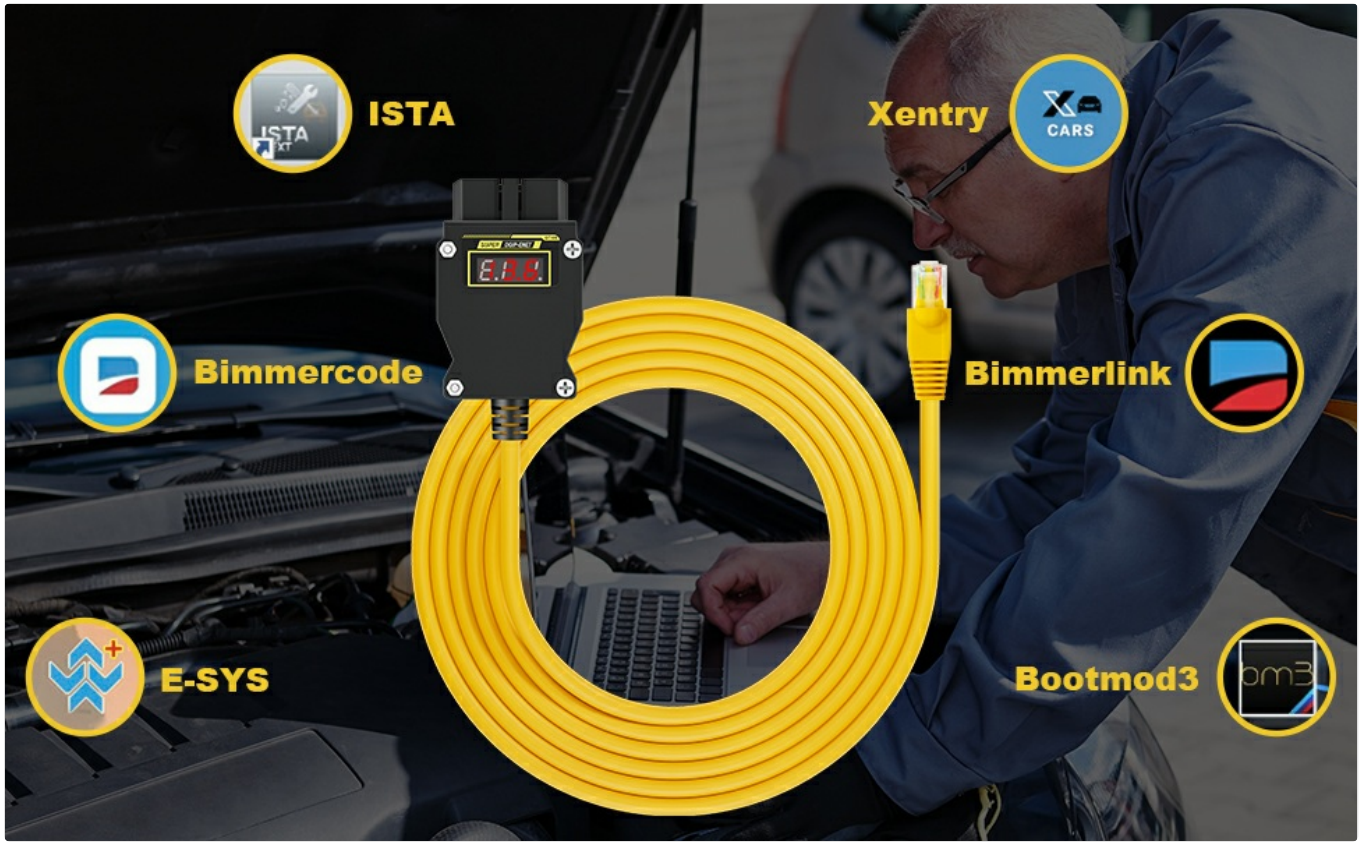


Figure 3: Illustrates connecting the cable to a laptop for diagnostic work.

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Video 1: This video demonstrates the unboxing and connection process of the GODIAG Enet OBD2 Cable to both a laptop and a mobile phone via an adapter.

4. Operating Instructions

Once the GODIAG Enet OBD2 Cable is securely connected to your vehicle's OBD2 port and your programming device, you can proceed with using your chosen diagnostic or coding software.

1. **Launch Software:** Open the diagnostic or coding software on your laptop or mobile device (e.g., E-SYS, ISTA, Bimmercode, Bootmod3).
2. **Establish Connection:** Within the software, follow the prompts to establish a connection with the vehicle via the Enet cable. This may involve selecting the correct interface or network settings.
3. **Monitor Voltage:** Pay close attention to the real-time voltage display on the OBD2 plug of the cable. If the voltage drops below approximately 11V, an alarm will sound. This indicates that the vehicle's battery voltage is too low for safe programming or diagnostics. It is crucial to maintain adequate voltage to prevent module damage.
4. **Perform Operations:** Once connected and voltage is stable, you can proceed with your desired operations, such as reading fault codes, performing diagnostics, coding modules, or activating hidden features.
5. **Disconnect Safely:** After completing your tasks, ensure you safely disconnect from the vehicle within the software before physically removing the cable.



Figure 4: Examples of compatible ENET software, including E-SYS, ISTA, Bootmod3, and Bimmercode.



Figure 5: Demonstrates connecting the cable to a smartphone via an adapter for use with applications like Bimmercode.

5. Maintenance

To ensure the longevity and optimal performance of your GODIAG Enet OBD2 Cable, follow these simple maintenance guidelines:

- **Storage:** Store the cable in a cool, dry place away from direct sunlight and extreme temperatures. Keep it coiled neatly to prevent kinks or damage to the internal wiring.
- **Cleaning:** Use a soft, dry cloth to wipe down the cable and connectors. Avoid using harsh chemicals or abrasive materials that could damage the insulation or electronic components.
- **Handling:** Always grasp the connectors when plugging or unplugging the cable. Avoid pulling on the cable itself, as this can strain the connections and lead to internal damage.
- **Inspection:** Periodically inspect the cable for any signs of wear, such as frayed insulation, bent pins on the connectors, or visible damage. If any damage is found, discontinue use and consider replacement.

6. Troubleshooting

If you encounter issues while using your GODIAG Enet OBD2 Cable, refer to the following common troubleshooting steps:

- **No Power/Display:** Ensure the OBD2 connector is fully seated in the vehicle's port. Check the vehicle's ignition status; some vehicles require the ignition to be on (but not necessarily the engine running) for the OBD2 port to be

active.

- **Low Voltage Alarm:** If the cable's display shows a low voltage (e.g., below 11V) and triggers an alarm, this indicates insufficient battery power for programming. Connect a battery charger or maintainer to your vehicle's battery before proceeding with any coding or programming tasks.
- **LAN Not Recognized/Connection Issues:**
  - Verify that the RJ45 Ethernet cable is securely connected to both the GODIAG cable and your laptop/adapter.
  - Check your computer's network settings. Ensure the Ethernet adapter is enabled and configured correctly (e.g., DHCP for automatic IP assignment, or specific static IP settings as required by your software).
  - Restart your computer and the vehicle's ignition.
  - Ensure your diagnostic software is up-to-date and compatible with your operating system and vehicle model.
  - If using a USB-C to Ethernet adapter, ensure it is functioning correctly and compatible with your device.
- **Software Errors:** This cable provides the hardware connection. Most errors related to specific functions (e.g., coding failures, module communication errors) are typically software-related. Consult the documentation or support resources for your specific diagnostic software (E-SYS, ISTA, Bimmercode, etc.).
- **Intermittent Connection:** Ensure the cable is not bent or strained. Check for any physical damage to the cable or connectors.

7. Specifications

Specification	Detail
Brand	GODIAG
Model	GT109
Item Weight	5.6 ounces
Package Dimensions	6.5 x 5.55 x 1.22 inches
Country of Origin	China
Screen Size (Voltage Display)	1 Inches
UPC	889327074969
Cable Length	6.6ft / 2M
Included Components	Diagnostic Cable

8. Warranty and Support

For warranty information and technical support regarding your GODIAG Enet OBD2 Cable, please refer to the documentation included with your purchase or visit the official GODIAG website. As the manufacturer and seller,

GODIAG official is the primary point of contact for product-specific inquiries and assistance.
You can also visit the GODIAG Store on Amazon for additional product information and contact options.

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