## GODIAG GT100+ OBDII Breakout Box, ENET OBD2 Cable

# Godiag GT100+ OBDII Breakout Box + GODIAG ENET OBD2 Cable User Manual

Model: GT100+, ENET OBD2 Cable

Brand: GODIAG

## 1. Product Overview

The GODIAG GT100+ OBDII Breakout Box and GODIAG ENET OBD2 Cable form a comprehensive diagnostic and programming toolset designed for automotive professionals and enthusiasts. This bundle provides essential functionalities for ECU bench testing, vehicle immobilizer work, security tasks, and advanced BMW coding.

### 1.1. Godiag GT100+ OBDII Breakout Box




The GT100+ is an advanced OBDII breakout box that allows for powering an ECU on the bench, facilitating diagnostics, vehicle immobilizer, and security work. It supports both bench operation with an included power adapter and in-vehicle use via the OBDII port. It features the ability to check all OBD2 diagnostic socket pins, including non-standard OBD2 protocols (ports 1, 3, 8, 9, 11, 12, 13), and can test CAN BUS and K-LINE protocols. The device helps verify proper communication, power, and grounds before connecting expensive scan tools, preventing potential damage.

## 1.2. GODIAG ENET OBD2 Cable




The GODIAG ENET OBD2 Cable is specifically designed for BMW F-series, new 1 Series, 3 Series, 5 Series, 7 Series, GT, and X3 models. It enables programming of single modules or hiding multiple modules, allowing users to modify various E-SYS modules and unlock hidden vehicle features. The cable supports DOIP-ENET communication and features a voltage display to alert users if the voltage drops below 11V, indicating that diagnostics or programming may not be possible.

## 2. Package Contents

Upon opening your GODIAG GT100+ and ENET Cable package, please verify that all the following components are present:




- Godiag GT100+ OBDII Breakout Box
- GODIAG ENET OBD2 Cable
- DB25 Colored Jumper Cable
- 24pcs 2.54mm Jumper Cables
- OBD 2-in-1 Extension Cable
- 12V Power Supply Adapter
- 6pcs Banana Plugs (120ohm Resistance)
- User's Manual (this document)

## 3. Setup and Connection

### 3.1. Connecting the GT100+ for ECU Bench Programming













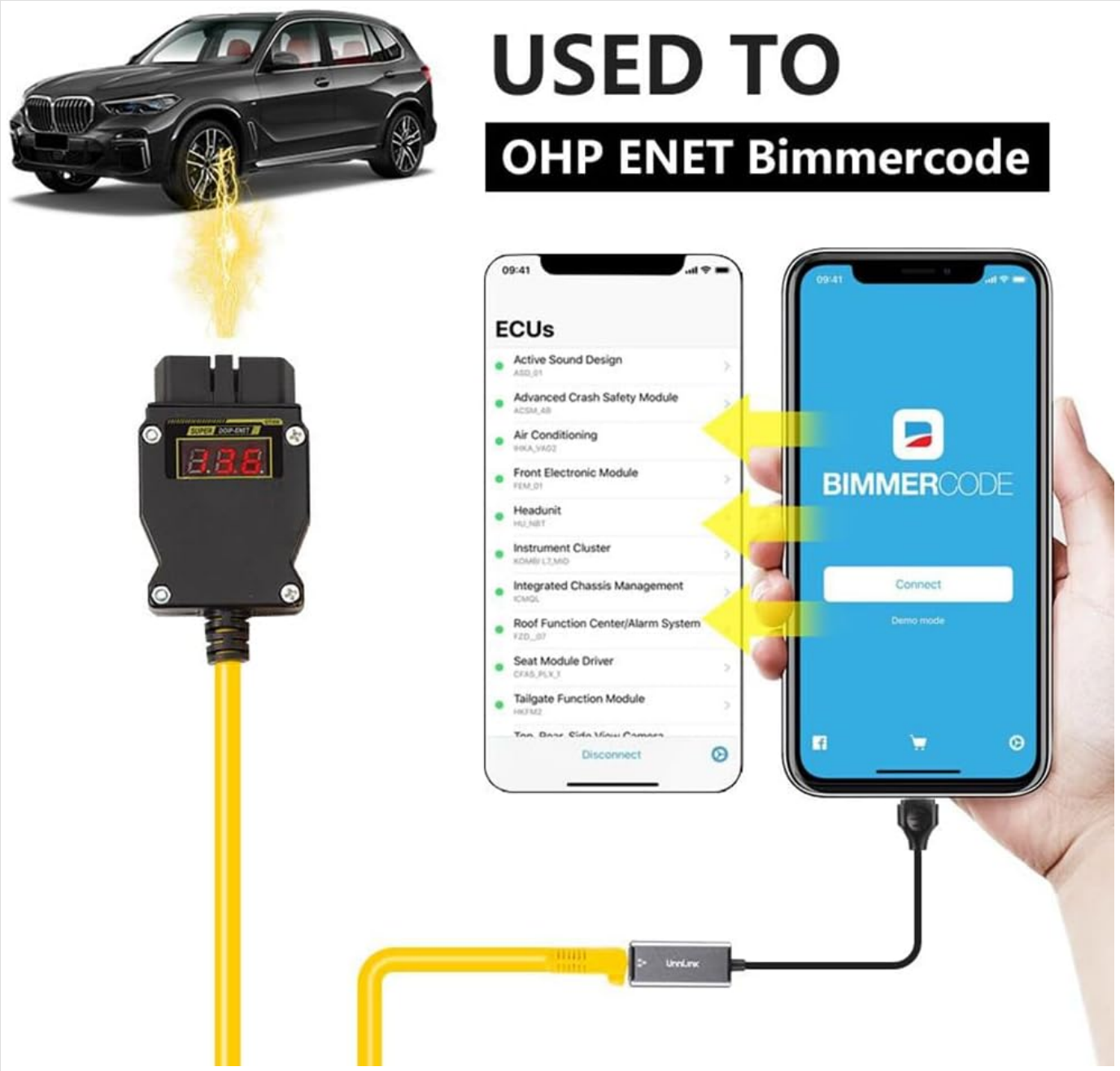
1. Connect the 12V power supply adapter to the GT100+ DC input port.
2. Use the appropriate jumper cables (DB25 or 2.54mm) to connect the GT100+ to the ECU according to the ECU's pinout diagram. Ensure correct connections for power (B+), ground (GND), and communication lines (e.g., CAN-H, CAN-L, K-Line).
3. Verify the voltage and current readings on the GT100+ display to ensure stable power supply to the ECU.
4. Connect your diagnostic or programming tool to the GT100+ 'Tool Connector' or 'Car Connect' port as required.

### 3.2. Connecting the GT100+ to a Vehicle OBDII Port

1. Locate the vehicle's OBDII diagnostic port, typically under the dashboard on the driver's side.
2. Connect the GT100+ 'Car Connect' port to the vehicle's OBDII port using the OBD 2-in-1 extension cable.
3. The GT100+ will draw power from the vehicle's OBDII port. Observe the voltage display on the GT100+ to confirm proper power supply.

4. Connect your diagnostic scan tool to the GT100+ 'Tool Connector' port.
5. Before proceeding with diagnostics, use the GT100+ to verify that the vehicle's communication networks are functioning correctly and that proper power and grounds are supplied to the OBDII port. This step is crucial to protect your expensive scan tools.

## 3.3. Connecting the ENET Cable




1. Connect the OBD2 end of the GODIAG ENET Cable to the vehicle's OBDII port.
2. Connect the RJ45 (Ethernet) end of the cable to your computer's Ethernet port. If your computer does not have an Ethernet port, an appropriate USB to Ethernet adapter will be required.
3. Ensure that the vehicle's ignition is on (engine off) or in a suitable programming mode as per the specific software requirements (e.g., E-SYS, ISTA, Bootmod3, Bimmercode).
4. Observe the voltage display on the ENET cable. If the voltage is below approximately 11V, an alarm will sound, indicating that diagnostics or programming may not be possible due to low voltage. Ensure the vehicle battery is adequately charged.

## 4. Operating Instructions

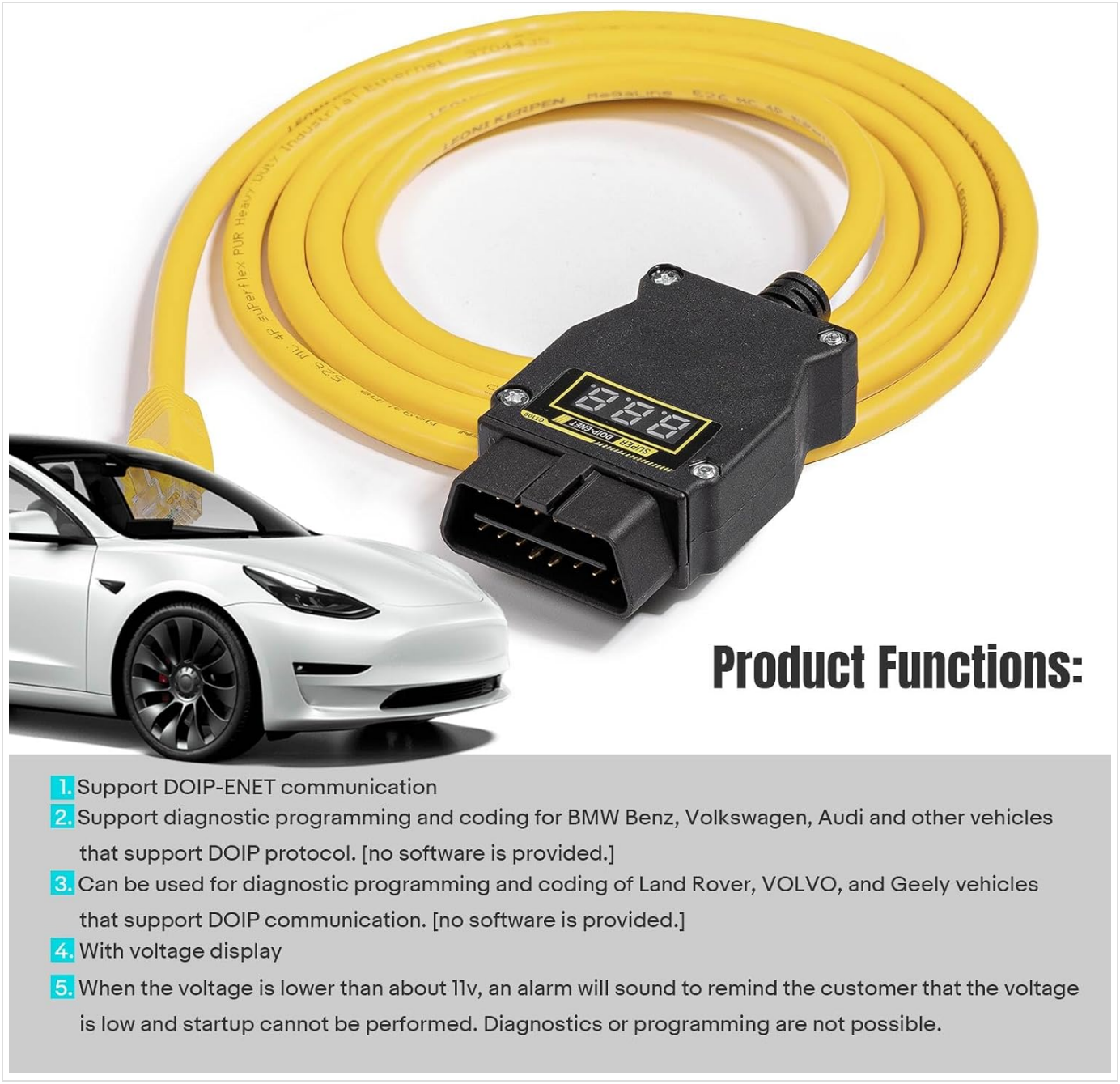
### 4.1. GT100+ Functions and Display






- **Voltage and Current Display:** The GT100+ features a digital display that shows real-time voltage (V) and current (A) readings, allowing you to monitor the power supply to the ECU or vehicle system.
- **CAN BUS and K-LINE Protocol Testing:** The device can test the integrity and activity of CAN BUS and K-LINE communication lines. LEDs on the unit indicate communication status.
- **Communication Verification:** Before connecting a scan tool, use the GT100+ to confirm that the OBDII port or ECU connections have proper power, ground, and active communication lines. This helps prevent damage to sensitive diagnostic equipment.
- **Banana Plug Connections:** The various numbered ports on the GT100+ are banana plug receptacles, allowing for flexible connections using the provided jumper cables to specific pins on an ECU or for testing individual lines.

## 4.2. ENET Cable Functions




- **DOIP-ENET Communication:** The cable supports DOIP-ENET communication, essential for modern BMW F/G series vehicles for diagnostic and programming tasks.
- **Module Programming and Coding:** Use the ENET cable with compatible software (e.g., E-SYS) to program single modules or modify hidden features within various vehicle modules.
- **Voltage Display:** The integrated voltage display on the ENET cable provides a quick check of the vehicle's battery voltage, crucial for stable programming operations. An audible alarm warns of low voltage conditions.

## 5. Maintenance

- **Cleaning:** Wipe the devices with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the GT100+ and ENET cable in a cool, dry place away from direct sunlight and extreme temperatures. Keep them in their original packaging or a protective case when not in use to prevent damage.
- **Cable Care:** Avoid bending or kinking the cables sharply. Do not pull on the cables to disconnect them; always grasp the connector ends.

- **Inspection:** Periodically inspect the cables and connectors for any signs of wear, damage, or corrosion. Replace damaged components immediately.

## 6. Troubleshooting

- **No Power to GT100+ (Bench Mode):** Ensure the 12V power supply adapter is securely connected to the GT100+ and a working power outlet. Check the power indicator light on the GT100+.
- **No Power to GT100+ (Vehicle Mode):** Verify the OBDII connection to the vehicle. Ensure the vehicle's ignition is on. Check the vehicle's battery voltage.
- **Low Voltage Alarm on ENET Cable:** This indicates the vehicle's battery voltage is too low for stable programming. Charge the vehicle's battery or connect a stable power supply/battery charger to the vehicle before proceeding.
- **Communication Errors:**
  - For GT100+: Verify all jumper cable connections to the ECU or OBDII port are correct and secure. Check the CAN BUS and K-LINE indicator LEDs on the GT100+.
  - For ENET Cable: Ensure the RJ45 connection to the computer is secure. Check network settings on your computer. Confirm the vehicle's ignition is on and the correct software is being used.
- **Software Not Recognizing Device:** Ensure all necessary drivers for the GT100+ or ENET cable are installed on your computer. Refer to the software's documentation for specific setup requirements.

## 7. Technical Specifications

| Feature | Specification |
|---|---|
| Brand | GODIAG |
| Model | GT100+ OBDII Breakout Box, ENET OBD2 Cable |
| ASIN | B0D9JNJMJ4 |
| First Available | July 16, 2024 |
| GT100+ Power Input | 12V DC (via adapter or OBDII) |
| GT100+ Protocols Supported | Standard OBDII, CAN BUS, K-LINE, non-standard OBD2 pins |
| ENET Cable Compatibility | BMW F-series, new 1/3/5/7 Series, GT, X3 (and other DOIP-compatible vehicles) |
| ENET Cable Functionality | DOIP-ENET communication, module programming/coding, voltage display |

## 8. Warranty and Support

GODIAG products are manufactured to high-quality standards. For specific warranty information and terms, please refer to the warranty card included with your product or visit the official GODIAG website. In case of technical issues, questions, or support needs, please contact GODIAG customer service through their official channels. Provide your product model and purchase details for efficient assistance.

For the latest updates, software downloads, and additional resources, please visit the GODIAG official website or the GODIAG store on Amazon.

**GODIAG Store Link:** https://www.amazon.com/stores/GODIAG/page/E252E545-60EF-47EF-BC0F-63415539E2C4

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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

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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