GOOLOO GT6000 & DS200

GOOLOO GT6000 Jump Starter & DS200 OBD2 Scanner User Manual

Model: GT6000 & DS200

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your GOOLOO GT6000 6000A Jump Starter and GOOLOO DEEPSCAN DS200 OBD2 Diagnostic Scanner. Please read this manual thoroughly before operating the devices and retain it for future reference.

The GOOLOO GT6000 is a powerful portable jump starter designed to start vehicles with dead batteries, while also serving as a portable power bank. The GOOLOO DEEPSCAN DS200 is a compact OBD2 scanner that connects wirelessly to your smartphone, providing comprehensive vehicle diagnostics and maintenance functions.

Image 1.1: The GOOLOO GT6000 Jump Starter and GOOLOO DEEPSCAN DS200 OBD2 Scanner.

2. Important Safety Information

Always observe the following safety precautions when using the GOOLOO GT6000 Jump Starter and DS200 OBD2 Scanner to prevent injury or damage to the devices or your vehicle.

- Read all instructions before use.
- Keep out of reach of children.
- Do not expose the devices to rain or extreme temperatures.
- Do not disassemble or modify the devices.
- Ensure proper ventilation during use and charging.
- Wear eye protection when working with vehicle batteries.
- Avoid short-circuiting the jump starter clamps.
- Use the jump starter only for 12V lead-acid batteries.

Image 2.1: The GT6000 Jump Starter features multiple safety protections including over-charge, short-circuit, and reverse-polarity protection.

3. GOOLOO GT6000 JUMP STARTER

3.1. Product Overview

The GT6000 is a high-capacity jump starter with a 6000A peak current, capable of starting all gas engines and diesel engines up to 12L. It also functions as a portable power bank with 100W bi-directional fast charging.
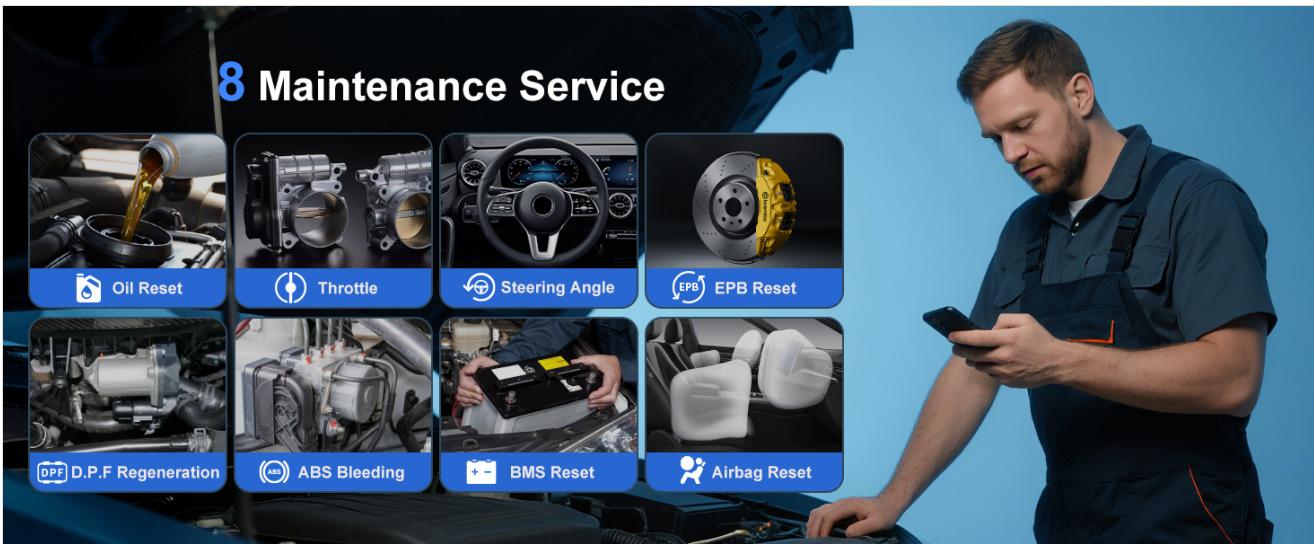
Image 3.1: Diagram showing the ports and controls of the GT6000 Jump Starter, including the BOOST button, jump cable socket, DC port, USB output ports, and IN/OUT PD100W port.

Image 3.2: The 3.2-inch LED display on the GT6000 shows battery level, charging power, low current mode, 'Ready to Start' status, low temperature reminder, and battery clips reversed warning.

3.2. Charging the GT6000

Before first use, fully charge the GT6000. It supports 100W bi-directional fast charging. A full charge from 0-100% takes approximately 1.4 hours.

1. Connect the provided USB-C cable to the IN/OUT PD100W port on the GT6000.
2. Connect the other end of the cable to a compatible 100W USB-C power adapter (a 100W car charger is included).
3. The LED display will show the charging status and battery percentage.

Image 3.3: The GT6000 charging, indicating 100W super fast charging capabilities.

3.3. Operating the Jump Starter

Follow these steps to jump-start a vehicle with a dead battery:

1. **Insert:** Insert the smart jumper cable plug into the jump cable socket on the GT6000. Ensure a secure connection.
2. **Connect:** Connect the red clamp to the positive (+) terminal of the vehicle battery and the black clamp to the negative (-) terminal. Ensure the clamps are firmly attached. If the LED display shows "Battery Clips Reversed", recheck the connections.
3. **Start:** Once the GT6000 display shows "READY", start your car engine. If the engine does not start immediately, wait 20-30 seconds and try again. Do not attempt more than 3 consecutive jump starts.
4. **Remove:** Once the vehicle starts, disconnect the clamps from the car battery first, then remove the jumper cable from the GT6000.

Image 3.4: Visual guide for the three steps to jump start your vehicle using the GT6000.

3.4. Using as a Power Bank

The GT6000 can charge various electronic devices via its USB output ports and the bi-directional USB-C port.

- Connect your device's charging cable to one of the GT6000's output ports (5V/2.4A, 5V/9V/12V, or IN/OUT PD100W USB-C).
- The GT6000 will automatically begin charging your device.

Image 3.5: The GT6000 functioning as a portable power bank, charging a laptop and smartphone.

3.5. LED Flashlight Functions

The GT6000 includes an integrated LED flashlight with multiple modes:

- **Normal Light:** Press and hold the power button for 3 seconds to turn on the flashlight.
- **Strobe Light:** Short press the power button again to switch to strobe mode.
- **SOS Signal:** Short press the power button a third time to activate the SOS signal mode.
- **Turn Off:** Short press the power button a fourth time or press and hold for 3 seconds to turn off the flashlight.

3.6. GT6000 Specifications

Feature	Detail
Peak Current	6000A
Engine Compatibility	All Gas, up to 12.0L Diesel
Battery Capacity	27000 mAh (99.9Wh)
Fast Charging	100W Bi-directional (USB-C)
Display	3.2-inch LED
Protections	10 SuperSafe Protections (Over-Charge, Short-Circuit, Reverse-Polarity, etc.)
LED Light	400 Lumens (Flashlight, Strobe, SOS)
Standby Time	Up to 24 months

4. GOOLOO DEEPSCAN DS200 OBD2 SCANNER

4.1. Product Overview

The DS200 is a wireless Bluetooth OBD2 scanner designed for comprehensive vehicle diagnostics. It connects to your smartphone via an app and supports full system diagnostics, bidirectional control, and various maintenance services.

4.2. Setup & App Installation

To begin using your DS200 scanner, you need to download and install the GOOLOO DEEPSCAN app on your smartphone.

1. **Download App:** Search for "GOOLOO DEEPSCAN" in the Apple App Store (for iOS devices) or Google Play Store (for Android devices).
2. **Install App:** Download and install the application.
3. **Register/Login:** Follow the in-app instructions to register an account or log in if you already have one.

Image 4.1: The DS200 scanner and instructions for downloading the GOOLOO DEEPSCAN app from app stores.

4.3. Connecting to Your Vehicle

The DS200 connects to your vehicle's OBD2 port, typically located under the dashboard on the driver's side.

1. Locate your vehicle's 16-pin OBD2 port.
2. Plug the DS200 scanner firmly into the OBD2 port. The scanner will power on automatically.
3. Turn on your vehicle's ignition (engine off or running, depending on the diagnostic task).
4. Open the GOOLOO DEEPSCAN app on your smartphone and follow the prompts to connect to the DS200 via Bluetooth.

Image 4.2: The DS200 scanner connected to a vehicle's OBD2 port, displaying diagnostic information on a smartphone.

4.4. Basic Diagnostic Functions

Once connected, the DS200 app provides access to standard OBD2 functions:

- **Read Codes:** Retrieve Diagnostic Trouble Codes (DTCs) from the vehicle's Engine Control Unit (ECU).
- **Clear Codes:** Erase DTCs and turn off the Check Engine Light (MIL) after repairs.
- **Live Data:** View real-time sensor data, such as engine RPM, vehicle speed, coolant temperature, and fuel system status.
- **I/M Readiness:** Check the status of emission-related monitors to ensure the vehicle is ready for an emissions

test.

- **Freeze Frame Data:** View a snapshot of sensor data recorded when an emission-related fault occurred.
- **Vehicle Information:** Retrieve vehicle identification number (VIN), calibration ID, and calibration verification numbers (CVN).

Image 4.3: The DS200 app interface displaying various full OBD functions like Read Code, Clear Code, O2 Sensor Test, and Live Data.

4.5. Advanced Diagnostic Functions

The DS200 offers advanced features for in-depth vehicle analysis:

- **Full System Diagnostics:** Scan all available electronic control units (ECUs) in the vehicle, including Engine, Transmission, ABS, SRS, BCM, etc., to read and clear fault codes.
- **Bidirectional Control:** Perform active tests to control various vehicle components (e.g., turn on/off wipers, headlights, fuel pump) to verify their functionality.
- **Maintenance Services:** Access common maintenance functions such as Oil Reset, Throttle Adaptation, EPB Reset, Steering Angle Resets, DPF Regeneration, ABS Bleeding, BMS Reset, and Airbag Reset.
- **Vehicle Performance Test:** Conduct tests to evaluate vehicle performance metrics like acceleration time, top speed, and engine load.
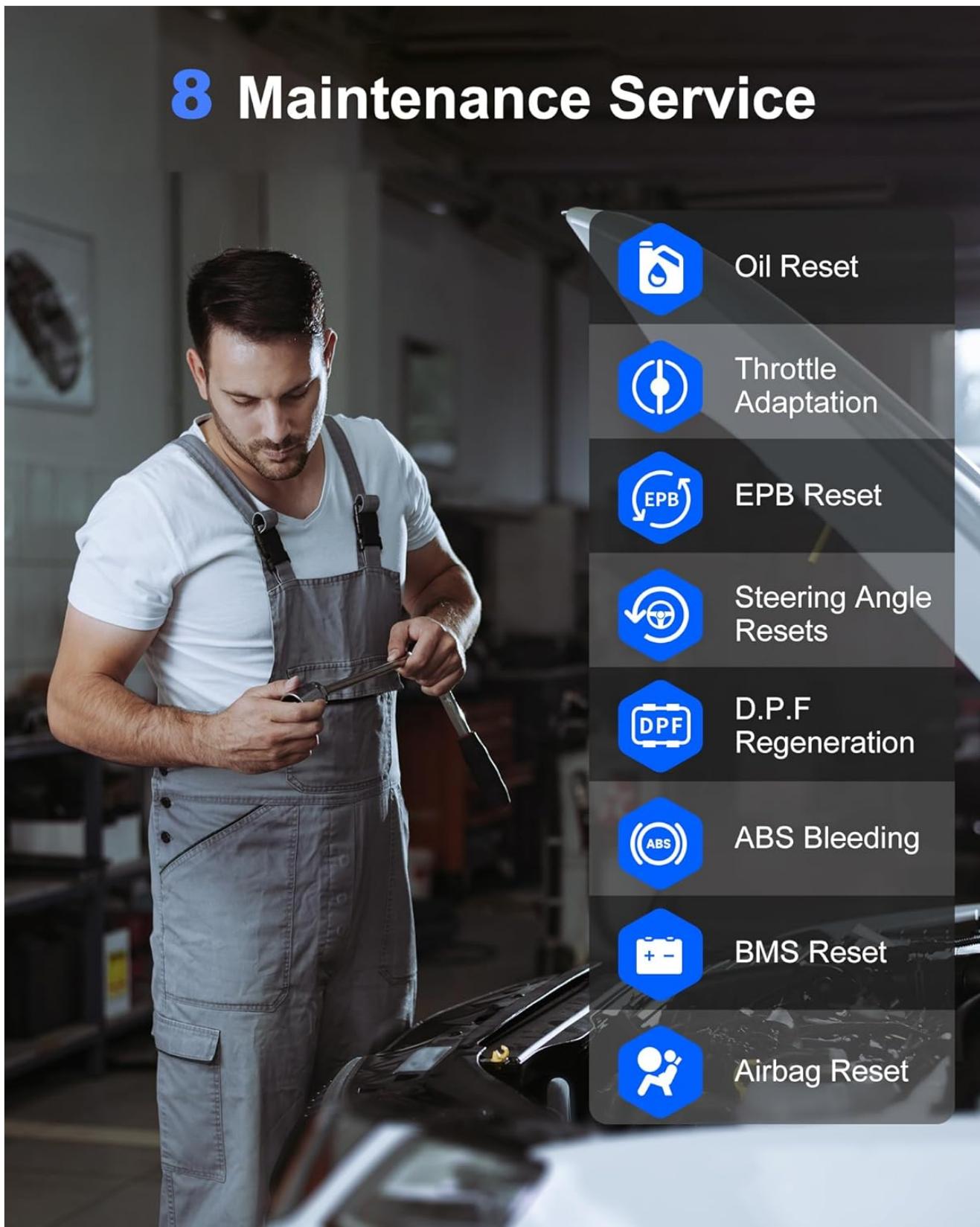
Image 4.4: The DS200 app interface listing 8 common maintenance services available for various vehicle systems.

Full OBD2 Functions

Comprehensive Diagnostics for All OBD-II Compliant Vehicles

Read Fault Codes

Clear Fault Codes

| I/M Readiness | Read Live Data | Read Fault Codes | Clear Fault Codes | Read Freeze Frame Data | O2 Sensor Monitor | Component Test | On-Board Monitor | Read Vehicle Information |
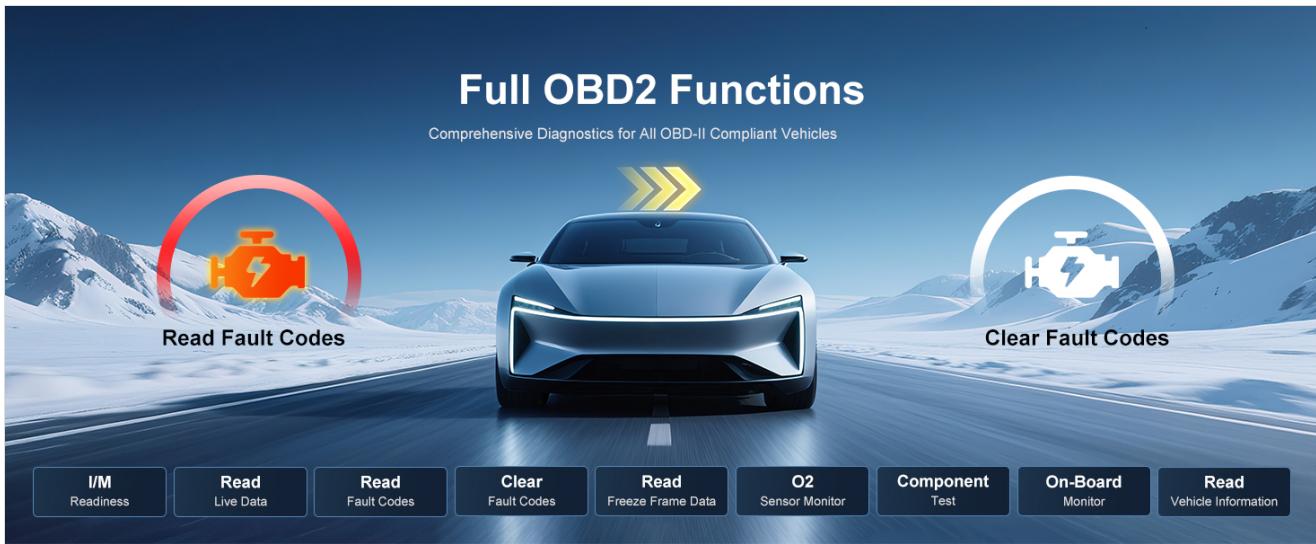
Image 4.5: The DS200 app demonstrating bidirectional control, allowing users to troubleshoot faults by controlling components like wipers, mirrors, and headlights.

4.6. DS200 Specifications

Feature	Detail
Connectivity	Bluetooth 5.0
Supported Devices	iOS and Android smartphones/tablets
OBD2 Protocols	All standard OBD2 protocols, including FCA & CAN-FD
Functions	Full System Diagnostics, Bidirectional Control, 8 Maintenance Services, Full OBD Functions, Real-time Data Monitoring, Vehicle Performance Test
Vehicle Coverage	Most OBD2 compliant vehicles from 1996 onwards

5. CARE AND MAINTENANCE

Proper care ensures the longevity and optimal performance of your GOOLOO devices.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of both devices. Do not use abrasive cleaners or solvents.
- **Storage:** Store the devices in a cool, dry place away from direct sunlight and extreme temperatures. For the GT6000, ensure it is charged to at least 50% before long-term storage and recharge every 3-6 months.
- **Handling:** Avoid dropping or subjecting the devices to strong impacts.
- **Cables:** Inspect jumper cables and OBD2 connector for any damage before each use. Replace if frayed or damaged.

6. TROUBLESHOOTING

6.1. GT6000 Jump Starter Issues

- **Device not turning on:** Ensure the device is charged. Press and hold the power button for a few seconds.

- **Vehicle not starting:**
  - Check that the clamps are securely connected to the correct battery terminals.
  - Ensure the GT6000 has sufficient charge.
  - If the battery is severely discharged, press the BOOST button on the GT6000 (if available and safe to do so, refer to specific product instructions for boost mode).
  - The vehicle battery might be completely dead or damaged and require replacement.
- **"Battery Clips Reversed" error:** Disconnect clamps and reconnect them to the correct positive (+) and negative (-) terminals.

6.2. DS200 OBD2 Scanner Issues

- **Scanner not powering on:** Ensure the DS200 is fully plugged into the vehicle's OBD2 port and the vehicle's ignition is on.
- **Unable to connect via Bluetooth:**
  - Ensure Bluetooth is enabled on your smartphone.
  - Restart the GOOLOO DEEPSCAN app.
  - Unplug and re-plug the DS200 from the OBD2 port.
  - Check if the app requires location permissions, as some Bluetooth functions do.
- **No communication with ECU:**
  - Verify the vehicle's ignition is on.
  - Ensure the DS200 is securely connected to the OBD2 port.
  - Confirm your vehicle is OBD2 compliant (most vehicles from 1996 onwards).
  - Try scanning a different vehicle to rule out scanner malfunction.

7. WARRANTY AND CUSTOMER SUPPORT

GOOLOO products are designed for reliability and performance. For warranty information, technical support, or any questions regarding your GT6000 Jump Starter or DS200 OBD2 Scanner, please refer to the official GOOLOO website or contact their customer service directly.

Please have your product model number (GT6000, DS200) and purchase information ready when contacting support.