Qoltec®

USER MANUAL

Digital Diagnostic Tester

ProLine OBDII EOBD Interface

Model: 50684

Introduction

Thank you for your trust and for choosing our OBDII/EOBD Digital Diagnostic Tester. We are confident that the product will meet your expectations. This manual will guide you through the process of using the device.

About the product

The Qoltec OBD2/EOBD Code Reader is an intuitive diagnostic tool that allows you to quickly identify and resolve issues with your car. The device is designed to check engines in all OBDII-compliant vehicles with a 12V power supply and a standard 16-pin connector. With this versatile device, you can read fault codes, identify faults and restore your vehicle to full working order in no time. The DLC (Data Link Connector) is usually located about 30 cm from the centre of the vehicle’s dashboard (cockpit).

Device design

Figure 1 in the appendix to the manual

1. LCD DISPLAY (Figure 1 in the appendix to the manual)
2. Green LED: indicates normal engine operation, no DTC.
3. Yellow LED: indicates a possible problem. Some diagnostics may not have been performed and/or a DTC is pending.
4. Red LED: indicates an engine problem. The "MIL (Malfunction Indicator Light)" may be on.
5. RETURN BUTTON
6. OBDII CONNECTOR
7. UP BUTTON
8. OK BUTTON
9. DOWN BUTTON

Function description

1. Diagnostics with two systems, optionally engine and gearbox.
2. Quick identification of engine faults, with green / yellow / red LED indicators as fault lights.
3. Reading and clearing engine fault codes and displaying DTC definitions.
4. Display of sensor data stream information, supporting 249 parameter types.
5. Display of freeze frame data and I/M status information.

6. Reading vehicle information: Vehicle Identification Number (VIN), Calibration Identification Number (IDs), Calibration Verification Number (CVNs).
7. Supports multiple languages: Polish, English, German, Spanish, French, Italian (Italian 142), Russian, Danish, Korean, Finnish, Portuguese
8. Supports protocols:
   a. SAE J1850 VPW
   b. ISO 9141-2
   c. ISO 14230-4 (KWP SBAUD)
   d. ISO 15765-4 (CAN 11/500)
   e. ISO 15765-4 (CAN 29/500)
   f. SAE J1 850 PWM
   g. ISO 14230-4 (KWP FASTI
   h. ISO 15765-4 (CAN 11/250)
   i. ISO 15765-4 (CAN 29/250)

Device operation

1. Selecting the dual system

Start the car engine and connect the OBDII connector to the vehicle's OBDII port. Go to the main interface; click the 'OK' button to start scanning the vehicle system (DLC). If a single system is detected, it defaults to the engine system; if two systems are detected, a system selection menu will appear, where you must select the system for diagnosis.

2. Diagnostic menu

Figure 2 in the appendix to the manual

1. Code reading: Read diagnostic trouble codes (DTCs) in the engine or transmission system and display the standard definition.

2. Clearing codes: Clear all DTCs in the system.

3. Data stream: Read and display all supported sensor data, up to 249 parameter types.

4. Freeze frame: Freeze frame data records information about the vehicle's status (fault code, vehicle speed, engine speed, coolant temperature, etc.) at the moment an emissions-related fault occurred.

5. I/M Readiness: The I/M Readiness function is used to check the operation of the emissions system in OBD2-compliant vehicles. Some newer vehicle models may support two types of I/M Readiness tests:

A. Since DTC Clear – indicates the status of the monitors since the DTCs were cleared.

B. Since the start of the current driving cycle – indicates the status of the monitors since the start of the current driving cycle. “OK”: diagnostic testing completed “INC”: diagnostic testing not completed “N/A”: not supported

6. Vehicle information: Overview of the Vehicle Identification Number (VIN), Calibration Identification Numbers (IDs), and Calibration Verification Numbers (CVNs).

3. Settings

Go to the main interface; click the “UP” button to go to the settings interface.

(1) **Language:** The default language is English; other languages can be selected manually.

(2) **Units of measurement:** Supports metric and imperial units; set to metric by default.

(3) **Contrast:** The backlight contrast is adjustable, set to 25% by default.

Figure 3 in the appendix to the manual

Technical specifications

Manufacturer	Qoltec
Input voltage	8V – 25V (standard 12V in passenger cars)
Operating current	52mA
Connector	16-pin (standard OBDII plug)
Display	2.4'' LCD
Cable length	~0.55m

Service and repair

Please note that incorrect repairs may cause serious damage to the device and even pose a risk to the user. If you experience problems with the device and do not have the experience or knowledge to repair it yourself, it is advisable to seek assistance from a specialist or technical support. You can make use of warranty repairs if the fault is due to a manufacturing defect. Warranty repairs may include repairing the damaged component, replacing parts with new ones, or replacing the entire product if repair is not possible.

Maintenance and cleaning

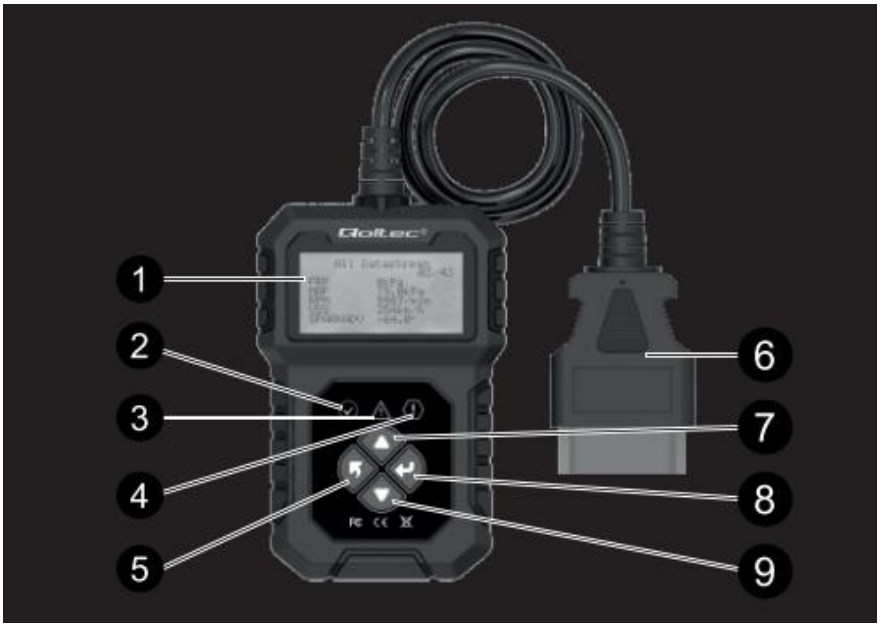
1. Switch off the power before cleaning.
2. Wipe the appliance with a dry cloth.
3. Do not use chemicals or water.

Disposal

Avoid disposing of the device in ordinary rubbish bins to prevent environmental pollution. Take the device to appropriate electronic waste collection points or to shops that recycle electronic equipment.

Attachment 1

1



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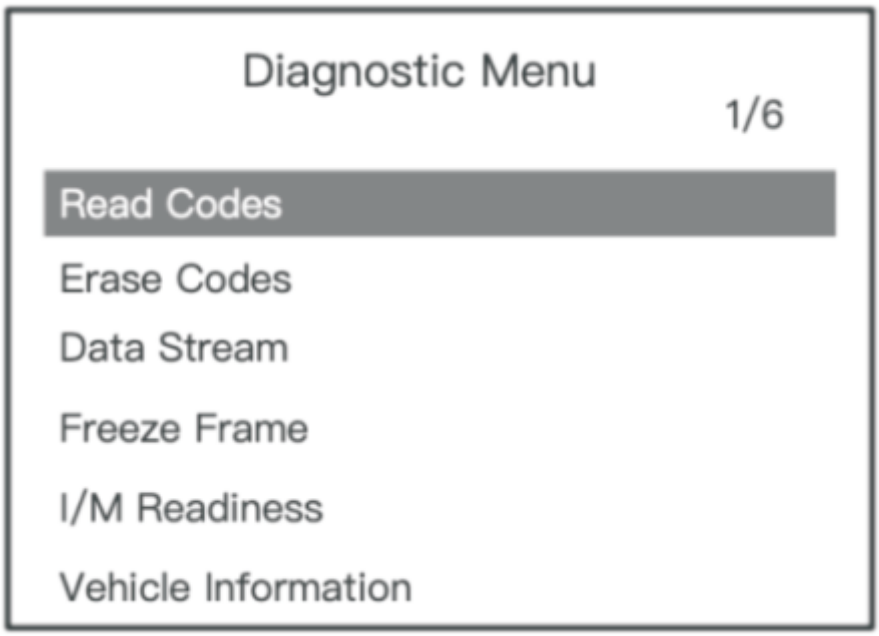

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