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> V410 Car OBD2 Scanner Code Reader Engine Fault Code Reader Scanner CAN Diagnostic Scan Tool Read and Clear Error Codes,for OBD II Protocol Cars Since 1996

Lqito V410

Lqito V410 Car OBD2 Scanner User Manual

Model: V410

INTRODUCTION

The Lqito V410 Car OBD2 Scanner is a professional diagnostic tool designed to help vehicle owners and technicians quickly identify and resolve issues related to the vehicle's engine and emissions system. This device supports all OBD II protocols and is compatible with most 1996 US-based, 2000 EU-based, and newer Asian vehicles. It provides essential functions such as reading and clearing Diagnostic Trouble Codes (DTCs), viewing live data streams, checking I/M readiness status, and retrieving vehicle information.



Figure 1: Lqito V410 OBD2 Scanner

The Lqito V410 OBD2 Scanner is a compact and robust device featuring a 2.8-inch display and an integrated OBDII cable for direct connection to your vehicle's diagnostic link connector (DLC).

PACKAGE CONTENTS

- V410 OBD2 Scanner Host Unit
- User Manual

PRODUCT OVERVIEW



Figure 2: V410 Scanner Components and Buttons

This diagram illustrates the key components and controls of the V410 scanner:

Product Connecting Line: Used to connect to the vehicle's OBDII interface.

12864 LCD Module: 2.8-inch display for viewing diagnostic information.

DTC Button: Shortcut key to quickly read Diagnostic Trouble Codes.

I/M Button: Shortcut key for I/M Readiness Monitor status.

EXIT Button: Used to exit the current menu or go back.

Navigation Buttons (Up, Down, Left, Right): Used to navigate through menus and select options.

OK Button: Confirms selections or enters sub-menus.

SETUP AND BASIC OPERATION

Follow these simple steps to connect and begin using your Lqito V410 OBD2 Scanner:

Live Data Stream

Can read the real-time data of the vehicle to help owners better understand the working status of the vehicle



Figure 3: Quick Start Guide - 7 Steps

This visual guide outlines the process from connection to clearing fault codes.

1. **Find the Diagnostic Link Connector (DLC):** Locate the 16-pin DLC port in your vehicle. It is usually found under the dashboard on the driver's side. Refer to your vehicle's owner's manual if you cannot find it.
2. **Plug in the OBDII Diagnostic Tool:** Connect the V410 scanner's OBDII cable into the vehicle's DLC port. The scanner will power on automatically.
3. **Turn on Ignition:** Turn your car's ignition to the "ON" position (engine off).
4. **Wait for Scan:** The scanner will automatically establish communication with the vehicle and identify the vehicle model.
5. **Read Fault Codes:** Once connected, navigate to the "Read Codes" option or press the **DTC** shortcut key to retrieve any stored Diagnostic Trouble Codes.
6. **Figure Out What the Codes Mean:** The scanner will display the codes. You can use the built-in DTC lookup function to understand the meaning of each code.
7. **Clear the Fault Codes:** After addressing the underlying issue, you can navigate to the "Erase Codes" option to clear the fault codes and turn off the Check Engine Light.

ADVANCED FUNCTIONS

The Lqito V410 offers a range of diagnostic capabilities:

Full OBD II Functions



Figure 4: Multi-Function Automotive Diagnostic Tool Overview

The V410 provides comprehensive diagnostic functions, including:

- **Read Codes:** Displays Diagnostic Trouble Codes (DTCs) that caused the Check Engine Light to illuminate.
- **Erase Codes:** Clears DTCs from the vehicle's computer and turns off the Check Engine Light.
- **Live Data Stream:** Displays real-time data parameters from the vehicle's sensors.
- **View Freeze Frame:** Shows a snapshot of the vehicle's operating conditions at the moment a fault code was set.
- **I/M Readiness Status:** Checks the status of the emission-related monitors to determine if the vehicle is ready for an

emissions test.

- **Vehicle Information:** Retrieves the Vehicle Identification Number (VIN), Calibration ID (CALID), and Calibration Verification Number (CVN).
- **DTC Lookup:** Provides definitions for generic and manufacturer-specific fault codes.
- **Battery Voltage Reading:** Monitors the vehicle's battery voltage.

Live Data Stream

WHY CHOOSE US

| Display Colour | Monochrome display | Monochrome display | Monochrome display |
|--|--------------------|--------------------|--------------------|
| Fault Code Diagnosis | ✓ | ✓ | ✓ |
| Fault Code Removal | ✓ | ✓ | ✓ |
| Freeze-frame data | ✓ | ✓ | ✓ |
| I/M Ready Status | ✓ | ✓ | ✓ |
| Vehicle information | ✓ | ✓ | ✓ |
| Fuel time data stream | ✗ | ✓ | ✓ |
| Data streaming real-time curves | ✗ | ✗ | ✓ |
| Oxygen Sensor Test | ✗ | ✗ | ✓ |
| Mode 6 detection | ✗ | ✗ | ✓ |
| Model 8 Detection | ✗ | ✗ | ✓ |
| Battery Voltage Data | ✗ | ✓ | ✓ |
| Battery profile monitoring | ✗ | ✓ | ✓ |
| Battery life assessment | ✗ | ✓ | ✓ |
| Fault Code Search | ✗ | ✗ | ✓ |
| Cloud Printing Data | ✗ | ✗ | ✗ |
| Functions of the Specialised APP (YMOBD) | ✗ | ✗ | ✓ |
| Shortcut key | ✗ | ✗ | ✓ |
| Screen brightness adjustment | ✗ | ✗ | ✓ |
| Key Sound Adjustment/Off | ✗ | ✗ | ✓ |
| Upgrade function (unlimited) | ✗ | ✗ | ✓ |
| Smart Indicator Lights | ✗ | ✗ | ✓ |
| QR Code English e-Manual | ✗ | ✓ | ✓ |
| TPU protective case | ✗ | ✗ | ✗ |
| Fault Code Database | 49000 records | 51000 records | 63000 records |
| | Others | Others | Our |

Figure 5: Live Data Stream Display

The Live Data Stream function allows you to view real-time data from various sensors in your vehicle, such as engine RPM, vehicle speed, oxygen sensor readings, and more. This helps in diagnosing intermittent problems and monitoring vehicle performance.

I/M Readiness Test



1. Find the Diagnostic Link Connector (DLC) on your vehicle



2. Plug in the OBDII diagnostic tool into the DLC



3. Turn on ignition of your car



4. Wait for the scan to identify the vehicle model

7 Steps

Simple and quick fixes for faults!



5. Read the fault codes



6. Figure out what the codes mean



7. Clear the fault codes.



Figure 6: I/M Readiness Status Screen

The I/M Readiness function checks if the various emission-related systems on the vehicle are operating correctly and are ready for inspection and maintenance testing. This is crucial for passing annual smog checks.

DTC Lookup



Figure 7: DTC Lookup Feature

The built-in DTC lookup feature allows you to quickly find the definition of a diagnostic trouble code by entering the code and pressing OK. This saves time by providing immediate explanations without needing external resources.

MAINTENANCE

To ensure the longevity and optimal performance of your Lqito V410 OBD2 Scanner, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the scanner's casing and screen. Avoid using abrasive cleaners or solvents that could damage the plastic or display.
- **Storage:** Store the scanner in a cool, dry place away from direct sunlight, extreme temperatures, and excessive humidity. Keep it in its original packaging or a protective case when not in use.
- **Cable Care:** Do not bend or crimp the OBDII cable excessively. Store the cable neatly to prevent damage to the wires or connectors.
- **Software Updates:** Check the manufacturer's website periodically for any available firmware updates to ensure your scanner has the latest features and vehicle compatibility.

TROUBLESHOOTING

If you encounter issues while using your V410 scanner, refer to the following common problems and solutions:

| Problem | Possible Cause / Solution |
|--|---|
| Scanner does not power on. | <ul style="list-style-type: none">◦ Ensure the OBDII cable is securely connected to the vehicle's DLC port.◦ Verify the vehicle's ignition is in the "ON" position.◦ Check the vehicle's fuse for the OBDII port. |
| Communication error with vehicle. | <ul style="list-style-type: none">◦ Confirm the vehicle supports OBDII protocols (most vehicles 1996 and newer).◦ Ensure the ignition is "ON" and the engine is off.◦ Try connecting to a different OBDII-compliant vehicle to rule out scanner issue.◦ Check for loose connections at the DLC port. |
| Buttons are unresponsive or slow. | <ul style="list-style-type: none">◦ Press buttons firmly and deliberately.◦ Disconnect and reconnect the scanner to reset it.◦ Ensure the scanner's firmware is up to date (if applicable). |
| Cannot clear fault codes. | <ul style="list-style-type: none">◦ The underlying issue causing the code must be fixed first. Codes will reappear if the fault persists.◦ Ensure the ignition is "ON" and the engine is off when attempting to clear codes. |

SPECIFICATIONS

| Feature | Detail |
|----------------|---------------------------|
| Model | V410 |
| Display | 2.8-inch 12864 LCD Module |

| Feature | Detail |
|-----------------------|---|
| Supported Protocols | SAE J1850 PWM, SAE J1850 VPW, ISO9141-2, ISO14230-4 KWP (5 Baud Init), ISO14230-4 KWP (Fast Init), ISO14230-4 KWP (ISO15765-4 CAN (11bit ID, 500 Kbaud), ISO15765-4 CAN (29bit ID, 500 Kbaud), ISO15765-4 CAN (11bit ID, 250 Kbaud), ISO15765-4 CAN (29bit ID, 250 Kbaud) |
| Vehicle Compatibility | Compatible with 99% of 1996 US-Based, 2000 EU-Based, and Asian cars, and newer OBD II & CAN domestic or import vehicles. (Not compatible with large diesel models, Agreement No. SAE-J1939) |
| Supported Languages | English, Deutsch, Italiano, Dutch, Français, Español, Русский, Chinese |
| Item Weight | 9.6 ounces (approx. 272 grams) |
| Package Dimensions | 7.64 x 5.91 x 1.14 inches (approx. 19.4 x 15 x 2.9 cm) |
| Operating System | Linux |



Figure 8: V410 Scanner Dimensions

The compact design of the V410 makes it easy to handle and store.

WARRANTY AND SUPPORT

Lqito is committed to providing high-quality products and customer satisfaction. For any warranty claims, technical support, or inquiries regarding your V410 OBD2 Scanner, please contact Lqito customer service through the retailer where you purchased the product or visit the official Lqito store on Amazon.

Lqito Store Link: [Visit the Lqito Store on Amazon](#)