udiag CR700

udiag CR700 OBD2 Scanner User Manual

AUTOMOTIVE CODE READER & DIAGNOSTIC TOOL

1. Introduction

The udiag CR700 OBD2 Scanner is a compact, portable, and universal diagnostic tool designed for both DIY enthusiasts and professional car owners. It provides a convenient and efficient way to check your vehicle's engine system, read and erase fault codes, and access critical vehicle information. This manual will guide you through the setup, operation, and maintenance of your CR700 device.

2. Product Overview

Figure 2.1: The udiag CR700 OBD2 Scanner, a compact and ergonomic diagnostic tool.

The CR700 features an ergonomic grip handle, a clear 2.4-inch TFT color screen, and intuitive button controls. It is designed for ease of use and portability, fitting comfortably in your palm.

TOOLDESCRIPTIONS
use the scan tool

OBD II Connection Line

LCD display

OBII/EOBD — Battery — Setup

Test battery voltage directly without plugging in the key or starting Engine.

CR700

UP Key

One Click I/M Readiness Key

ESC Key

Ok Key

DOWN Key

- ◆ Ddisplay：2.4″ TFT color display
- ◆ Working Temperature: 0 to 60℃ (32 to 140℉)
- ◆ Storage Temperature: -20 to 70℃(-4 to 158℉)
- ◆ ower Supply: 8-18V vehicle power
- ◆ Supported Protocols: J1 859-PWM, J1850-VPW, ISO9141, KWP200O(ISO 14230), and CAN (Control Area Network ISO 11898)
- ◆ Dimensions (L*W*H): 125*80*24mm
- ◆ Weight: 0.35kg

Figure 2.2: Detailed view of the CR700's components, including the LCD display, navigation buttons, and OBD II connection line.

Device Components:

- **LCD Display:** 2.4-inch TFT color screen for clear information display.
- **OBD II Connection Line:** Detachable cable for connecting to the vehicle's DLC.
- **UP/DOWN Keys:** For navigating through menu options.
- **ESC Key:** To exit the current screen or return to the previous menu.
- **OK Key:** To confirm a selection or enter a menu.
- **I/M Key:** Quick access to I/M Readiness status.

3. Setup

The udiag CR700 is a plug-and-play device, requiring no batteries as it is powered directly via the detachable OBD II cable from your vehicle. Follow these simple steps to set up your device:

1. Locate your vehicle's Diagnostic Link Connector (DLC). This is typically found under the dashboard on the driver's side.
2. Ensure your vehicle's ignition is in the 'ON' position (engine can be off or running, depending on the diagnostic task).
3. Connect the OBD II cable from the CR700 to the vehicle's DLC.
4. The CR700 will automatically power on and begin communicating with your vehicle.

Your browser does not support the video tag.

Video 3.1: This video illustrates the simple plug-and-play setup of the udiag CR700. Connect the OBD II cable to your vehicle's diagnostic link connector (DLC), typically located under the dashboard on the driver's side. The device powers on automatically upon connection.

4. Operating Instructions

The CR700 offers various diagnostic functions accessible through its intuitive menu system.

Key Functions:

- **Reads & Erases Trouble Codes:** Quickly identify and clear Diagnostic Trouble Codes (DTCs) that trigger the Check Engine Light (MIL).
- **Reads Live Data Stream:** View real-time data from your vehicle's engine sensors, useful for monitoring performance and diagnosing intermittent faults.
- **Displays I/M Readiness Status:** Check the status of emission-related monitors to ensure your vehicle is ready for an emissions test.
- **Detects Freeze Frame Information:** Capture a snapshot of sensor values at the moment a DTC occurred, providing valuable context for diagnosis.
- **Retrieves Vehicle Information:** Access Vehicle Identification Number (VIN), Calibration Identification (CIN), and Calibration Verification Number (CVN).
- **Unit of Measure:** Switch between English and Metric units for data display.

Navigating the Menu:

Use the **UP** and **DOWN** arrow keys to scroll through menu options. Press the **OK** button to select an option or enter a sub-menu. The **ESC** button allows you to go back to the previous screen or exit a function.

Figure 4.1: Screenshots of the CR700's diagnostic menu, showing options for reading codes, viewing live data, and accessing vehicle information.

Your browser does not support the video tag.

Video 4.2: This video guides you through navigating the CR700's menu using the directional buttons. It shows how to select diagnostic functions like 'Read Codes' and 'Data Stream' to view real-time engine sensor data.

5. Maintenance

To ensure the longevity and optimal performance of your udiag CR700, please follow these maintenance guidelines:

- Keep the device clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures, direct sunlight, or high humidity.
- Store the device in a cool, dry place when not in use.
- The CR700 offers lifetime free software and firmware updates. Regularly check the manufacturer's website for available updates to ensure compatibility and access to new features.

6. Troubleshooting

If you encounter any issues while using your udiag CR700, refer to the table below for common problems and their solutions:

Problem	Possible Cause / Solution
Device does not power on.	Ensure the OBD II cable is securely connected to the vehicle's DLC. Verify the vehicle's ignition is in the 'ON' position. Check the vehicle's battery voltage (must be 8-18V).
"No Code Found!" message displayed.	This indicates that there are currently no active Diagnostic Trouble Codes (DTCs) stored in the vehicle's ECU. If you suspect an issue, monitor live data or check for pending codes.
Screen is dim or difficult to read.	Adjust the contrast setting in the 'System Setup' menu.
Communication error with vehicle.	Ensure the ignition is on. Check the OBD II cable connection. Verify the vehicle supports standard OBD II protocols. Try connecting to a different OBD II compliant vehicle if possible.

If the problem persists after trying the suggested solutions, please contact customer support for further assistance.
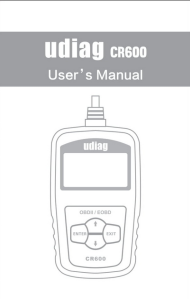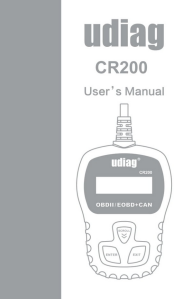
7. Technical Specifications

- **Display:** 2.4'' TFT color display
- **Working Temperature:** 0 to 60°C (32 to 140°F)
- **Storage Temperature:** -20 to 70°C (-4 to 158°F)
- **Power Supply:** 8-18 V vehicle power
- **Dimensions (L*W*H):** 125*80*24mm (4.92 x 3.15 x 0.94 inches)
- **Weight:** 0.35kg (8.8 ounces)
- **Supported Protocols:** J1859-PWM, J1850-VPW, ISO9141, KWP2000 (ISO 14230), and CAN (Control Area Network ISO 11898)

8. Warranty and Support

udiag is committed to providing high-quality products and excellent customer service. For any issues, technical support, or inquiries regarding your CR700 OBD2 Scanner, please contact udiag customer support directly. Our team is ready to provide the best service and resolve any problems as quickly as possible.

Thank you for choosing udiag. We appreciate your business and look forward to assisting you.

Related Documents - CR700

udiag OBDII/EOBD CAN Code Reader CR700 USER MANUAL ShenZhen Focus One Technology Co.,Ltd UDIAGTECH © All rights reserved. Visit our website www.udiagtech.com For technical Assistance, send us email support@udiagtech.com	[UDIAG OBDII/EOBD CAN Code Reader CR700 User Manual](#) User manual for the UDIAG CR700 OBDII/EOBD CAN Code Reader, covering general information, safety precautions, warranty, tool descriptions, connection, application overview, diagnostics, system setup, and updating procedures.

	[UDIAG CR800 User Manual: OBDII Code Reader Diagnostic Tool](#) User guide for the UDIAG CR800 OBDII Code Reader. Covers diagnostic operations, powering up, software updates, printing results, battery function, service, support, and warranty information.
	[UDIAG CR200 Code Reader User Manual](#) Comprehensive user manual for the UDIAG CR200 code reader, covering diagnostic operations, setup procedures, external features, and warranty information. Learn how to use your diagnostic tool effectively.
	[udiag CR600 User's Manual: OBD II Scan Tool Guide](#) Comprehensive user manual for the udiag CR600 OBD II scan tool. Learn about safety precautions, general information, operating the tool, OBD II diagnostics, reading/erasing trouble codes, live data, vehicle information, warranty, and FAQs.
	[Udiag CR200 OBD II Scan Tool User Manual - Vehicle Diagnostics Guide](#) Comprehensive user manual for the Udiag CR200 OBD II scan tool, detailing its features, operation, safety guidelines, and OBD II diagnostic procedures for vehicle maintenance and troubleshooting.
	[UDIAG CR720 User Manual: Diagnostic Code Reader Guide](#) Comprehensive user manual for the UDIAG CR720 diagnostic code reader, covering operation, features, service, support, and warranty information.