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iKiKin V600

iKiKin V600 OBD2 Diagnostic Scanner User Manual

Model: V600

1. INTRODUCTION

The iKiKin V600 OBD2 Diagnostic Scanner is a versatile tool designed to assist in diagnosing vehicle issues. It provides comprehensive OBD2 functions, allowing users to read and clear fault codes, view live data, perform battery tests, and access various vehicle information. This manual will guide you through the proper use and maintenance of your device.

OBD2故障診断機 V600 が必要な場合に



Figure 1.1: Common scenarios where the V600 diagnostic tool can be utilized.

2. PRODUCT OVERVIEW

The iKiKin V600 is a handheld diagnostic scanner featuring a clear TFT color screen and intuitive button controls. It is designed for ease of use and portability.

2.1 Key Features

- **Multi-language Support:** Supports 13 languages, including English and Japanese.
- **Comprehensive OBD2 Functions:** Reads and clears Diagnostic Trouble Codes (DTCs), displays live data stream, freeze frame data, I/M readiness status, O2 sensor test, EVAP system test, and vehicle information.
- **DTC Lookup:** Built-in database with over 35,000 DTC definitions for quick reference.
- **Battery Test Function:** Real-time battery voltage monitoring to assess battery health.
- **Plug and Play:** Simple connection to the vehicle's OBD2 port.
- **Handheld Design:** Compact and portable for convenient use.



Figure 2.1: Front view of the iKiKin V600 OBD2 Diagnostic Scanner.

車用故障診断機 V600



Figure 2.2: The V600 scanner displaying its main menu with various diagnostic options.

3. SETUP

3.1 Connecting the Device

1. Ensure your vehicle's ignition is in the OFF position.
2. Locate the 16-pin OBD2 diagnostic port in your vehicle. This port is typically found under the dashboard on the driver's side.
3. Plug the V600 scanner's connector firmly into the vehicle's OBD2 port.
4. Turn the vehicle's ignition to the ON position (do not start the engine). The scanner will power on automatically.



Figure 3.1: Connecting the V600 to the vehicle's OBD2 port.

3.2 Language Settings

The default language of the diagnostic tool is English. To change the language:

1. From the main menu, navigate to "Settings".
2. Select "Language".
3. Choose your desired language (e.g., Japanese) from the list.
4. The device may require an update after changing the language. Follow on-screen prompts or refer to the support section if you encounter issues.

4. OPERATING INSTRUCTIONS

4.1 Reading and Clearing Fault Codes

This function allows you to identify and clear Diagnostic Trouble Codes (DTCs) that trigger the Check Engine Light.

1. Connect the scanner to your vehicle and turn the ignition ON.

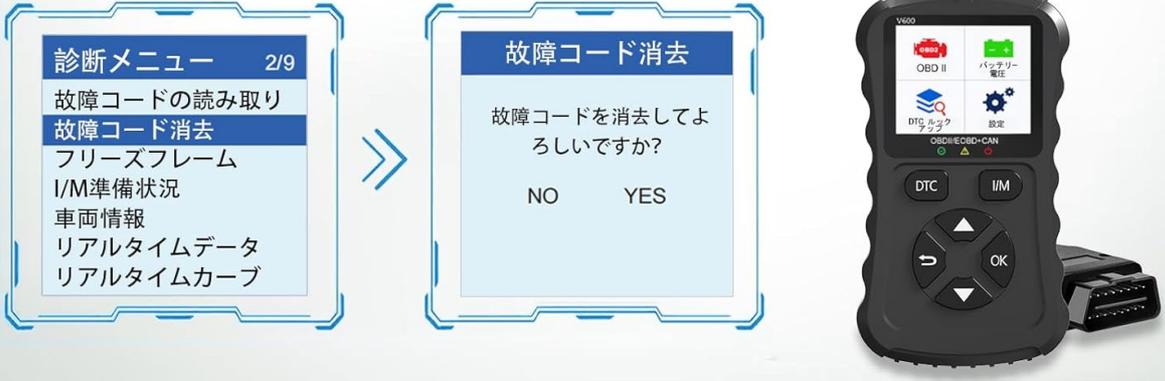
2. Select "Read Codes" from the main menu to display current, pending, and permanent DTCs.
3. To clear codes, select "Erase Codes" from the menu. Confirm the action when prompted.
4. **Note:** Clearing codes will turn off the Check Engine Light. However, if the underlying issue is not resolved, the light may reappear.

オフエンジンLEDを確認する

故障コードを読み取り、問題点を迅速に解決し、あなたの時間と精力を節約します。



故障コードの読み取りと消去



診断メニュー 2/9

- 故障コードの読み取り
- 故障コード消去
- フリーズフレーム
- I/M準備状況
- 車両情報
- リアルタイムデータ
- リアルタイムカーブ

故障コード消去

故障コードを消去してよろしいですか?

NO YES

Figure 4.1: Clearing fault codes and turning off the engine warning light.

4.2 Live Data Stream

View real-time operational parameters from the vehicle's sensors and modules.

- Select "Live Data" from the menu.
- Choose the parameters you wish to monitor.
- The data will be displayed numerically or graphically.

4.3 Freeze Frame Data

When an emission-related fault occurs, the ECU stores a snapshot of operating conditions at that moment. This is called Freeze Frame Data.

- Select "Freeze Frame" from the menu to view this stored data.

4.4 I/M Readiness Status

This function checks the operation of the emission system on OBD2 compliant vehicles. It indicates if the various emission-related systems are ready for inspection and maintenance testing.

- Select "I/M Readiness" to view the status of monitors.
- A dedicated I/M hotkey allows for a quick one-click check.

4.5 O2 Sensor Test

Retrieves O2 sensor monitoring test results for the most recently completed tests from the vehicle's on-board computer.

- Select "O2 Sensor Test" to view the results.

4.6 EVAP System Test

Initiates a leak test for the vehicle's Evaporative Emission System (EVAP).

- Select "EVAP System Test" to perform this diagnostic.

4.7 Battery Voltage Test

Monitors the vehicle's battery voltage in real-time, providing insights into its health and estimated lifespan.

- Select "Battery Voltage" from the menu.
- The screen will display the current voltage.

電圧テストとDTC ルックアップ



Figure 4.2: Battery voltage test and DTC lookup display.

4.8 DTC Lookup

Access a built-in database of over 35,000 Diagnostic Trouble Code definitions.

- Select "DTC Lookup" from the menu.
- Enter the DTC code to view its definition and potential causes.

4.9 Vehicle Information

Retrieves the Vehicle Identification Number (VIN), Calibration ID, and Calibration Verification Number (CVN) of the vehicle.

- Select "Vehicle Info" to display this data.

5. COMPATIBILITY

The iKiKin V600 OBD2 Diagnostic Scanner is compatible with OBD2 protocol vehicles equipped with a 16-pin DLC (Data Link Connector).

- **American Vehicles:** Compatible with vehicles manufactured from 1996 onwards.

- **European Vehicles:** Compatible with vehicles manufactured from 2000 onwards.
- **Japanese Domestic Vehicles:** Compatible with OBD2 vehicles manufactured from 2008 onwards.

Important Note: This device is not compatible with vehicles that do not have a 16-pin OBD2 connector or vehicles that are not OBD2 compliant (e.g., some hybrid vehicles may have specific diagnostic requirements outside standard OBD2 protocols). If the fault cause is outside the standard OBD2 definition range, the scanner may not be able to read the fault codes. In such cases, a full system diagnostic tool may be required.

6. MAINTENANCE

To ensure the longevity and optimal performance of your iKiKin V600 OBD2 Diagnostic Scanner, follow these maintenance guidelines:

- Keep the device clean and free from dust and moisture. Use a soft, dry cloth for cleaning.
- Avoid dropping the device or subjecting it to strong impacts.
- Store the device in a cool, dry place when not in use.
- Do not attempt to disassemble or repair the device yourself. This will void the warranty.
- Regularly check for software updates to ensure the latest vehicle compatibility and features.

7. TROUBLESHOOTING

7.1 Device Does Not Power On

- Ensure the scanner is correctly plugged into the vehicle's 16-pin OBD2 port.
- Verify that the vehicle's ignition is in the ON position.
- Check the vehicle's battery. If the battery is too low, the scanner may not receive sufficient power.

7.2 Cannot Read Fault Codes

- Confirm the vehicle is OBD2 compliant and has a 16-pin connector.
- Ensure a stable connection between the scanner and the vehicle.
- If the fault cause is outside the standard OBD2 definition range, the scanner may not be able to read the codes. In such cases, consult a professional or use a full system diagnostic tool.

7.3 Check Engine Light Reappears After Clearing Codes

- Clearing codes only resets the warning light. If the underlying mechanical or electrical issue is not resolved, the fault code will be detected again, and the light will illuminate.
- Address the root cause of the fault code by performing necessary repairs.

8. SPECIFICATIONS

Feature	Specification
Brand	iKiKin

Model Name	V600
Item Weight	200 g
Package Dimensions	18.3 x 11.9 x 3.7 cm
Power Source	Battery Powered (via OBD2 port)
Vehicle Service Type	Universal Fit (OBD2 compliant vehicles)
Supported Protocols	9 OBD2 protocols
DTC Database	35,000+ definitions
UPC	724873544378

9. WARRANTY AND SUPPORT

The iKiKin V600 OBD2 Diagnostic Scanner comes with a **half-year manufacturer's warranty**.

For any questions regarding product operation, software updates, or language changes, please contact iKiKin customer support. Refer to the product packaging or the seller's website for contact information.