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iKiKin V600

iKiKin V600 OBD2 Scanner User Manual

Model: V600

1. PRODUCT OVERVIEW

The iKiKin V600 OBD2 Scanner is a professional diagnostic tool designed to help identify and resolve issues with your vehicle's engine system. It provides comprehensive diagnostic functions, including reading and clearing fault codes, viewing live data, and performing various system tests. This manual will guide you through the setup, operation, and maintenance of your V600 scanner.



Image: The iKiKin V600 OBD2 Scanner, highlighting its main display and key features.



1

1.8inch TFT Color Screen with Hard Glass Panel



2

2.Green / Yellow / Red Clear Indicator Lamp



3

Anti-Slip Handheld Design



4

DTC & I/M Hot-Key

Image: Detailed views of the V600 scanner's physical features, including its screen, indicator lights, and ergonomic design.

2. PACKAGE CONTENTS

Please check the package contents upon opening to ensure all items are present:

- OBD2 Code Scanner
- Cable
- User guide

3. KEY FEATURES

- **Multi-Functions:** Built-in OBD2 DTC lookup library, read and erase codes, view freeze frame, I/M readiness, vehicle information, data flow, real-time curve, vehicle speed, calculate load value, engine coolant temperature, engine speed.

- **OBDII Compatibility:** Supports 9 protocols compatible with most 1996 US-Based, 2000 EU-Based, and Asian cars, and newer OBD II & CAN domestic or import vehicles.
- **Multi-Language Support:** Supports 9 languages including English, German, Dutch, Spanish, French, Italian, Russian, Chinese, Japanese, and Korean.
- **User-Friendly Design:** Clear 128 x 64 pixels LCD screen. No battery or charger needed; powered directly from the vehicle's OBDII Data Link Connector.
- **Ease of Use:** Provides accurate and fast results, reads and clears engine trouble codes in seconds.
- **Cost and Time Saving:** Enables self-diagnosis of fault codes and definitions, reducing the need for mechanic visits.

4. VEHICLE COMPATIBILITY AND LANGUAGE SUPPORT

The V600 scanner offers wide automotive compatibility, supporting vehicles from various regions and adhering to multiple communication protocols.

- **US-Based Vehicles:** Compatible with most vehicles manufactured since 1996.
- **EU-Based Vehicles:** Compatible with most vehicles manufactured since 2000.
- **Asian Cars:** Compatible with most vehicles manufactured since 2008.
- **Protocols Supported:** SAE J1850 PWM, SAE J1850 VPW, ISO 9141-2, ISO14230-4 KWP (5 baud init), ISO14230-4 KWP (fast init), 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).
- **Languages Supported:** English, German, Dutch, Spanish, French, Italian, Russian, Chinese, Japanese, Korean.

Wide Automotive Compatibility

13 Languages & 9 Protocol

America
after 1996



Europe
after 2000



Asia
after 2008



13 Languages

English German French Italian
Spanish Dutch Portuguese Chinese
Russian Japanese Korean Polish Finnish

Support 9 Protocols

- ▶ SAE J1850 PWM (41.6 Kbaud)
- ▶ SAE J1850 VPW (10.4 Kbaud)
- ▶ ISO 9141-2 (5 baud init, 10.4 Kbaud)
- ▶ ISO14230-4 KWP (5 baud init, 10.4 Kbaud)
- ▶ ISO14230-4 KWP (fast init, 10.4 Kbaud)
- ▶ 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)

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Image: Visual representation of the V600's broad vehicle compatibility and extensive language and protocol support.

5. GETTING STARTED (SETUP)

Follow these steps to connect and power on your iKiKin V600 OBD2 Scanner:

1. **Locate the OBDII Port:** The OBDII (On-Board Diagnostics II) port is typically located under the dashboard on the driver's side of the vehicle. Refer to your vehicle's owner's manual if you cannot find it.
2. **Connect the Scanner:** Plug the V600 scanner's cable connector firmly into the vehicle's OBDII port.
3. **Power On:** Once connected, the scanner will automatically power on, drawing power directly from the vehicle's battery via the OBDII port. No external power source or batteries are required.
4. **Start Vehicle (Optional):** For some diagnostic functions, it may be necessary to turn the vehicle's ignition to the 'ON' position (engine off) or start the engine. Follow the on-screen prompts of the scanner.

6. OPERATING THE V600 SCANNER

Main Menu Navigation

The V600 scanner features a user-friendly interface with dedicated buttons for navigation:

- **UP/DOWN Arrows:** Navigate through menu options.
- **LEFT/RIGHT Arrows:** Move cursor or change values (if applicable).
- **OK Button:** Confirm selection or enter a submenu.
- **Return Button (U-turn arrow):** Go back to the previous screen or exit a function.
- **DTC Button:** Quick access to Diagnostic Trouble Codes.
- **I/M Button:** Quick access to I/M Readiness status.

Diagnostic Functions

The V600 offers a range of diagnostic capabilities:

- **Read Codes:** Retrieves Diagnostic Trouble Codes (DTCs) from the vehicle's computer, indicating specific issues.
- **Erase Codes:** Clears DTCs from the vehicle's computer and turns off the Check Engine Light (MIL). Ensure the underlying issue is resolved before clearing codes.
- **View Freeze Frame:** Displays a snapshot of sensor data recorded by the vehicle's computer at the moment a fault code was set. This helps in diagnosing intermittent problems.
- **I/M Readiness:** Checks the status of the vehicle's emission-related monitors to determine if they have completed their diagnostic cycles. Essential for emission testing.
- **Data Stream:** Displays real-time live data from the vehicle's sensors in numerical or graphical format, such as engine RPM, vehicle speed, coolant temperature, etc.
- **Real-Time Curve:** Graphically displays dynamic data parameters over time, allowing for visual analysis of sensor performance.
- **EVAP System Test:** Initiates a leak test for the vehicle's Evaporative Emission Control System.
- **DTC Lookup Library:** Provides definitions for generic and manufacturer-specific Diagnostic Trouble Codes, helping you understand the meaning of each code.
- **Vehicle Information:** Retrieves vehicle identification number (VIN), calibration ID, and calibration verification number (CVN).
- **Battery Voltage:** Tests and displays the current voltage value of the car battery in real time.

TURN OFF CHECK ENGINE LIGHT



Read the fault codes, quickly find the problem, then you can fix it, save your time and energy!



Read & Erase Engine Fault Codes

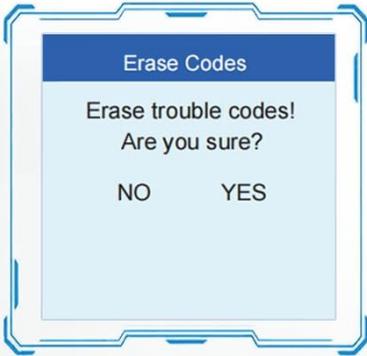


Image: Demonstrates how to read and clear engine fault codes, effectively turning off the check engine light.

I/M Readiness, Live Data Stream, Real-time Curves

V600 Built-in I/M Hot-key to I/M Readiness; **200+** Kinds of Live Data Stream; **4** Kinds of Real Time Curve.

Real Time Curve 1/4
Car Speed
 Calculate Load Value
 Engine Coolant Temp
 Engine RPM

Car Speed
 SPEED(km/h) 60

Calculate Load Value
 LOAD PCT(%) 52.2

I/M Readiness 1/2
 Since DTCs Cleared
 This Drive Cycle

Since DTCs Cleared 1/2
 MIL Status ON
 Misfire Monitor OK
 Fuel System Mon OK
 Comp.Component OK
 Catalyst Mon OK
 Htd Catalyst OK
 EVAP System Mon OK

Data Stream 1/11

| FUELSYS2 | OL-D | OL |
|-------------|-------|----|
| LOAD_PCT(%) | 10.6 | |
| ETC(°C) | 70 | |
| SHRTFT1(%) | -63.3 | |
| LONGFT1(%) | -59.4 | |
| SHRTFT2(%) | -60.2 | |
| LONGFT2(%) | -60.2 | |

Image: Shows the I/M Readiness screen, examples of live data streams, and real-time curve displays for various vehicle parameters.

More Functions are available for Diagnosis

O2 Sensor Test, EVAP Test, Freeze Frame, Vehicle Information,...



Image: Illustrates the availability of advanced diagnostic functions like Freeze Frame data, Vehicle Information retrieval, O2 Sensor tests, and EVAP system tests.

7. CARE AND MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to clean the scanner's exterior. Do not use abrasive cleaners or solvents.
- **Storage:** Store the scanner in a dry, cool environment, away from direct sunlight, excessive heat, or moisture. Keep it in its original packaging or a protective case when not in use.
- **Cable Care:** Avoid bending or crimping the diagnostic cable excessively. Always grasp the connector when plugging or unplugging it from the vehicle's OBDII port.
- **Software Updates:** Check the manufacturer's website periodically for any available software updates to ensure your scanner has the latest features and vehicle compatibility.

8. TROUBLESHOOTING COMMON ISSUES

Common Scenarios Addressed by V600

The V600 scanner is designed to help diagnose and address various common vehicle issues, such as:

- Ignition ring failure
- Persistent flashing lights
- Difficulty finding car faults
- Car is difficult to start
- Engine shuts down unexpectedly

Do you meet these situations ?

Ignition ring failure

The light keeps flashing

Hard to find car fault

Car is difficult to start

Spend a lot of money to fix the car

Engine shuts down

V600 NEW OBD2 Scanner is coming.

Image: Illustrates common vehicle problems that the V600 scanner can help diagnose.

No Power/Device Not Turning On

- **Check Connection:** Ensure the scanner's cable is securely plugged into the vehicle's OBDII port.
- **Vehicle Ignition:** Make sure the vehicle's ignition is turned to the 'ON' position (engine off) or the engine is

running, as required by your vehicle.

- **Vehicle Battery:** Verify that your vehicle's battery has sufficient charge. The scanner draws power from the vehicle.
- **OBDII Port Fuse:** Check the fuse for your vehicle's OBDII port. Refer to your vehicle's owner's manual for fuse box location and diagram.

Communication Error

- **Verify Compatibility:** Ensure your vehicle is OBDII compliant (most 1996 US-based, 2000 EU-based, and 2008 Asian vehicles and newer).
- **Ignition Status:** Confirm the vehicle's ignition is in the correct position (usually 'ON' or engine running).
- **Cable Integrity:** Inspect the diagnostic cable for any signs of damage or wear.
- **Try Another Vehicle:** If possible, test the scanner on another OBDII-compliant vehicle to rule out an issue with your specific vehicle's port.

9. TECHNICAL SPECIFICATIONS

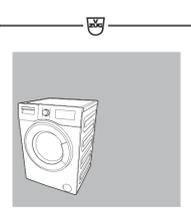
| Specification | Value |
|--------------------------|--|
| Brand | iKiKin |
| Model | V600 |
| Item Model Number | V600 |
| Manufacturer Part Number | V600 |
| ASIN | B0CS6F5R3N |
| Operating System | Android 4.0 (Note: This refers to the internal system, not user-facing OS) |
| UPC | 724873545856 |
| Date First Available | January 12, 2024 |

10. WARRANTY AND CUSTOMER SUPPORT

The iKiKin V600 OBDII scan tool comes with a **12-month warranty** from the date of purchase. Additionally, lifetime free updates are offered to ensure your device remains current with the latest vehicle data and features.

For technical support, inquiries, or assistance, please feel free to contact our after-sale service team. You can reach us via the Q&A section on the product page, email, or hotline. Our team is dedicated to providing prompt and helpful support.

Related Documents - V600

| | |
|---|---|
|  | <p>V600 OBD II/EOBD Diagnostic Tool User Manual</p> <p>Comprehensive user manual for the V600 OBD II/EOBD vehicle diagnostic scanner. Learn about its features, functions, supported protocols, and how to use it for vehicle inspection and fault code reading.</p> |
|  | <p>AZDOME V600 2-Channel Dash Cam User Manual</p> <p>User manual for the AZDOME V600 2-Channel Dash Cam, providing instructions on installation, features, and software updates.</p> |
|  | <p>Epson Perfection V600 Photo Setup Guide</p> <p>This document provides a setup guide for the Epson Perfection V600 Photo scanner, including installation instructions and basic operation. It covers software installation for both Mac OS X and Windows operating systems.</p> |
|  <p>Bedienungsanleitung Mode d'emploi Istruzioni per l'uso Operating instructions Adorina/Waschmaschine V600 Adorina/Lavage V600 Adorina/Lavatrice V600 Adorina/Waschmaschine V600</p> <p>Waschmaschine Machine à laver Lavatrice Washing machine</p> | <p>V-ZUG Adorina V600 Waschmaschine Bedienungsanleitung</p> <p>Umfassende Bedienungsanleitung für die V-ZUG Adorina V600 Waschmaschine, inklusive Sicherheitshinweisen, Bedienung, Programmen, Wartung und Fehlerbehebung.</p> |
|  <p>V Series V600:4 V600:2</p> | <p>Dynacord V Series V600:4 & V600:2 Installation Manual</p> <p>Official installation manual for Dynacord V Series V600:4 and V600:2 power amplifiers. Covers setup, features, safety, technical data, and troubleshooting for professional audio installations.</p> |
|  <p>Troubleshooting guide</p> <p>Scanner Problems Troubleshooting No power No paper No ink No scan No print No copy No fax No scan to PC No scan to email No scan to cloud No scan to mobile device</p> | <p>Epson Scanner Troubleshooting Guide</p> <p>A comprehensive troubleshooting guide for Epson scanners, covering common issues such as scanner not turning on, software errors, image quality problems, and uninstallation procedures.</p> |