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› [THINKCAR OBD2 Car Scanner, THINKOBD100 Check Engine Fault Code Reader with Full OBD II Functions, O2 Sensor, CAN Diagnostic Scan Tool for All Cars Since 1996](#)

**thinkcar THINKCAR THINKOBD 100**

# THINKCAR OBD2 Car Scanner: THINKOBD100 Instruction Manual

Your essential guide to vehicle diagnostics and maintenance.

## PRODUCT OVERVIEW

The THINKCAR THINKOBD100 is a compact and portable OBD2 car scanner designed for comprehensive vehicle diagnostics. It offers a user-friendly interface and essential functions to help you understand and resolve common engine and emission-related issues.



Image: The THINKCAR THINKOBD100 device with its OBDII cable.

Key features include:

- Full OBD2/EOBD Diagnostics: Read Codes, Erase Codes, MIL Fault Indicator Light, Live Data, EVAP System Test, On-Board Monitor Test, View Freeze Frame, O2 Sensor Test, Vehicle Info, I/M Readiness, DTC Code Look-up.
- Plug And Play: Fast scan and clear trouble codes without needing app installation or charging.
- Unmatched Compatibility: Works on most 1996 and newer US-based, 2000 EU-based, and Asian vehicles that are OBDII compliant.
- User-friendly Design: Compact, portable, with a clear TFT screen (128 x 160 pixels) and a 2.5 feet long cable.

## SETUP

The THINKOBD100 is designed for simple plug-and-play operation. It draws power directly from your vehicle's OBDII port.

# FULL OBD2 FUNCTIONS



Image: The THINKOBD100 device with its integrated OBDII connector.

## Locating the OBDII Port

The OBDII (On-Board Diagnostics II) port is typically located under the dashboard on the driver's side of your vehicle. It is usually within 12 inches of the steering wheel. Some vehicles may have a protective cover over the port.



Image: Illustration showing the typical location of the OBDII port under the dashboard.

## OPERATING INSTRUCTIONS

The THINKOBD100 features a simple interface with directional buttons and an OK/Return button for navigation.



Image: Close-up of the THINKOBD100 device showing its screen and navigation buttons.

## Basic Navigation

- **Up/Down Arrows:** Navigate through menu options.
- **OK Button:** Confirm selection or enter a menu.
- **Return Button:** Go back to the previous screen or exit a function.

## Supported Languages

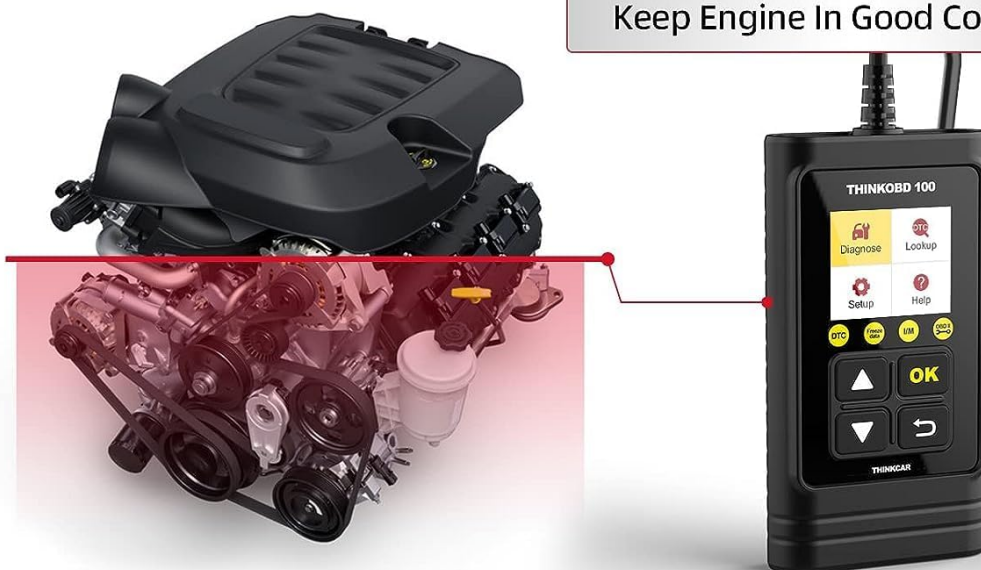
The THINKOBD100 supports multiple languages for user convenience:

- English
- French
- Spanish
- German
- Russian
- Italian
- Portuguese

- Polish

# CHECK ENGINE LIGHT (MIL)

Keep Engine In Good Condition



Erase Engine Fault Code



Turn Off Engine Light



Image: The THINKOBD100 screen displaying the language selection menu.

## DIAGNOSTIC FUNCTIONS

The THINKOBD100 provides a comprehensive set of OBD2 diagnostic functions:

- Read Codes: Retrieves Diagnostic Trouble Codes (DTCs) from the vehicle's computer.
- Erase Codes: Clears DTCs from the vehicle's computer and turns off the Malfunction Indicator Light (MIL).
- MIL Fault Indicator Light: Indicates when the check engine light is on.
- Live Data: Displays real-time data streams from the vehicle's sensors.
- EVAP System Test: Initiates a test of the evaporative emission control system.
- On-Board Monitor Test: Retrieves results for emission-related powertrain components and systems.
- View Freeze Frame: Shows a snapshot of the vehicle's operating conditions at the time a fault code was set.
- O2 Sensor Test: Retrieves O2 sensor monitoring test results.
- Vehicle Info: Displays vehicle identification number (VIN), calibration ID, and calibration verification number (CVN).

- I/M Readiness: Checks the readiness of the emission monitoring systems.
- DTC Code Look-up: Provides definitions for retrieved fault codes.

# ***FULL OBD2 FUNCTIONS***



Image: Visual representation of all full OBD2 functions available on the THINKOBD100.

## **Check Engine Light (MIL)**

The scanner allows you to easily read and clear Diagnostic Trouble Codes (DTCs) that trigger the Check Engine Light (MIL), helping you identify and resolve issues.

# CHECK ENGINE LIGHT (MIL)

Keep Engine In Good Condition



Erase Engine Fault Code



Turn Off Engine Light



Image: Depicts the process of diagnosing and turning off the Check Engine Light using the THINKOBD100.

## I/M Readiness (Smog Check)

Use the I/M Readiness function to check if your vehicle's emission systems are ready for a smog test, ensuring compliance before inspection.



Image: The I/M Readiness screen showing various system checks for smog compliance.

## DTC Lookup

The built-in DTC Lookup feature allows you to quickly find definitions for diagnostic trouble codes without needing to search online, saving time and effort.

# DTC LOOKUP

Don't Need to Search Online



Image: The DTC Lookup screen on the THINKOBD100, illustrating how to input and find code definitions.

## Live Data Stream

Monitor real-time data from your vehicle's sensors, providing insights into engine performance and potential issues as they occur.

# PLUG IN AND DISPLAY

Easy to Use With Simple Steps



## Diagnostic Menu

Read Code  
Erase Codes  
I/M Readiness  
Data Stream  
Freeze Frame

▲ ▼ OK ↵

## Diagnostic Menu

On-Board Monitoring  
Evap-System(Mode\$ 8)  
Vehicle Information

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## DTC Lookup

Please input DTC:

P 0 0 0 0

[▲] - change input

[▼] - select position

[OK] - confirm

▲ ▼ OK ↵

## Monitor Status

DTCs in this ECU	0
Readiness OK	7
Readiness INC	0
Readiness N/A	0
Datastream count	57
Protocol Type	CAN

▲ ▼ OK ↵

## I/M Readiness

Misfire monitor	OK
Fuel system	OK
Fuel System	OK
Comp.component	OK
Catalyst monitor	OK

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## About OBD

WHAT IS OBD?  
OBD-II Modes  
Vehicle Coverage

3/3

## Datastream

SHRTFT22	99.2%
O2S23	1.275V
SHRTFT23	99.2%
OBDSVP	EOBD

▲ ▼ OK ↵

## Rich to lean sensor

Teas ID	\$05
Value	0.180s
Min	0.000s
Max	0.150s
Status	Pass

▲ ▼ OK ↵

Image: The Live Data Stream screen showing various real-time sensor readings.

## MAINTENANCE

The THINKOBD100 is a valuable tool for routine vehicle maintenance. By regularly checking for codes and monitoring live data, you can proactively address minor issues before they escalate into major problems.

**Note:** If you clear a fault code directly without repairing the car and find that the fault code is still present, it indicates that the underlying hardware fault still exists. It is recommended to repair the car first and then clear the fault code.

## TROUBLESHOOTING

Here are some common questions and troubleshooting tips for the THINKOBD100:

- **Q1: Does THINKOBD 100 work on my car?**

A1: THINKOBD 100 OBD2 scanner supports all vehicles after 1996 that comply with the OBDII protocol. If unsure, please verify your vehicle's compliance.

- **Q2: Can it be used on diesel vehicles?**

A2: If your diesel car has a 12V battery, it will work. It operates only on vehicles with a 12V battery.

- **Q3: What should I do if I get a "Link Error"?**

A3: 1) Ensure your vehicle complies with the OBDII protocol. 2) Check if your main cable is working correctly. 3) Verify your OBD2 port is functional. If the issue persists after these steps, contact support.

- **Q4: Why THINKOBD 100 Can't Work on Some Japanese Cars?**

A4: THINKOBD 100 does not support the JOBD protocol, which is why it cannot work with JOBD compliant cars.

- **Q5: Do I need to pay extra money on this check engine code reader?**

A5: No, this product does not charge for any extra money. Any dollar symbol in the product's system represents a serial number.

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## SPECIFICATIONS

Feature	Detail
Brand	thinkcar
Product Dimensions	3"L x 1"W x 4"H
Operating System	ARM System.
Language	English
Display Resolution	160x128
Model	THINKCAR THINKOBD 100
Item Weight	8 ounces
Voltage	12 Volts

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## WARRANTY & SUPPORT

The THINKOBD100 comes with lifetime updates, ensuring your device stays current with the latest vehicle data and diagnostic capabilities. Updates can typically be performed by connecting the device to a PC via the provided USB cable and accessing the manufacturer's website.

For any technical support or inquiries, please refer to the contact information provided in your product packaging or visit the official THINKCAR website.

### Official Product Videos

Watch these official videos from the seller for more information and demonstrations of the THINKOBD100:

### ThinkOBD 100 - What Is In It ?

Description: This video provides an unboxing and overview of the contents included with the THINKOBD100 scanner.

ThinkOBD100 - An introduction from a buyer

Description: A buyer shares their initial impressions and setup experience with the THINKOBD100.



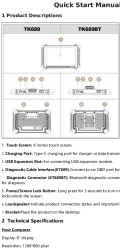
ThinkOBD100 evaluation by Scotty

Description: A detailed evaluation of the THINKOBD100's features and performance by Scotty.

ThinkOBD 100 - The basic OBD2 diagnostic tool

Description: A concise overview highlighting the basic diagnostic capabilities of the THINKOBD100.

Related Documents - THINKCAR THINKOBD 100

	<p><a href="#">THINKCAR THINKOBD 500 Quick Start Guide and Warranty Information</a></p> <p>Concise guide to setting up, updating, and using the THINKCAR THINKOBD 500 OBD2 diagnostic scanner, including warranty details and FCC compliance information.</p>
	<p><a href="#">THINKCAR THINKOBD 500 OBD2 Scanner: Definitions and DTC Guide</a></p> <p>User guide for the THINKCAR THINKOBD 500 OBD2 scanner, detailing I/M readiness, live data parameters, and an explanation of Diagnostic Trouble Codes (DTCs) with structure.</p>
	<p><a href="#">THINKCAR 2 OBD2 Scanner User Guide</a></p> <p>User guide for the THINKCAR 2 OBD2 scanner, detailing app download, account registration, device binding, and usage for car diagnostics on iPhone and Android devices.</p>
	<p><a href="#">THINKCAR TK689 TK689BT Quick Start Manual: OBD2 Diagnostic Tool Guide</a></p> <p>Explore the THINKCAR TK689 and TK689BT Quick Start Manual, a comprehensive guide for these advanced OBD2 diagnostic tools. Learn about product features, technical specifications, setup, Wi-Fi connectivity, and detailed function descriptions including full system diagnosis, maintenance resets, software upgrades, and troubleshooting FAQs. Optimize your vehicle diagnostics with THINKCAR's professional automotive scanner.</p>
	<p><a href="#">THINKSCAN Plus User Manual and Guide</a></p> <p>This document provides a comprehensive guide to the THINKSCAN Plus diagnostic tool, covering quick start, functions, Q&amp;A, and warranty information. It details various maintenance and reset functions, diagnostic procedures, and system settings for automotive technicians.</p>

### 1 Description du produit

- ## 2 Specifications techniques

This quick start guide provides comprehensive instructions for setting up and using the THINKCAR TK689 and TK689BT automotive diagnostic tools. Learn about product features, technical specifications, how to connect to vehicles via OBDII, perform system diagnostics, access maintenance functions, update software, and utilize online support. Includes FAQs and warranty information for optimal vehicle maintenance.