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thinkcar THINKSCAN 689 + THINKDIAG MINI

THINKCAR THINKSCAN 689 + THINKDIAG MINI Instruction Manual

Model: THINKSCAN 689 + THINKDIAG MINI

Brand: thinkcar

INTRODUCTION

This manual provides comprehensive instructions for the operation and maintenance of your THINKCAR THINKSCAN 689 and THINKDIAG MINI diagnostic tools. These devices are designed to assist in vehicle diagnostics, maintenance, and repair by providing access to vehicle systems and data.

PRODUCT OVERVIEW

The THINKSCAN 689 is a full-system bidirectional scan tool offering over 34 reset functions. The THINKDIAG MINI is a full-system diagnostic tool designed for intelligent wireless diagnostics via a mobile application. Together, they provide a comprehensive solution for automotive diagnostics.

Key Features:

- **THINKSCAN 689:** Full System Bidirectional Scan Tool with 34+ Reset functions.
- **THINKDIAG MINI:** Full System Diagnostic Tool with intelligent wireless connectivity.
- Extensive vehicle coverage: Supports over 120 car makes and 100,000+ vehicle models (OBD-II & EOBD cars after 1996).
- Multi-language support: Includes English, Spanish, French, German, Italian, Japanese, Russian, Portuguese, Polish, Chinese, Turkish.
- No hidden fees, in-app purchases, or subscription fees for basic functions and updates.

FULL SYSTEM DIAGNOSES

Easy to Use Full Scan

The image illustrates the capabilities of a full system diagnosis tool. On the left, a top-down view of a car is shown with various systems labeled in blue hexagons: ABS, BMS, AWD, Electric Window, Air Conditioning, Engine System, Multimedia, EPB, Cruise control, Body System, ESP, SRS, Gearbox, DPF, Keyless Start Module, Automatic, TPMS, Door Lock System, Parking Sensor, Alarm System, and Navigation. On the right, a smartphone displays a menu titled 'Show Menu' with the following items: Engine, A/T, ABS, SRS, Body Control Module, Vehicle Theft Deterrent, Instrument Panel Cluster, and a partially visible 'p'. Below the smartphone is a red and black diagnostic tool.

Note: The number of available functions varies depending on the model

Figure 1: Overview of Full System Diagnoses capabilities, illustrating the range of vehicle systems that can be accessed and diagnosed by the tools.

COVER 120+ CAR MAKES

Work for All OBD-II
& EOBD Car After 1996



AND 100,000+ VEHICLES MODELS



NOTE: Use and update without any cost

11+ LANGUAGES



English



Spanish



French



German



Italian



Japanese



Russian



Portuguese



Polish



Chinese



Turkish

Figure 2: Vehicle compatibility and language support, highlighting the broad range of vehicles and languages covered by the diagnostic tools.



Figure 3: Information regarding the absence of hidden fees, in-app purchases, or subscription requirements for the associated application and data.

SETUP

THINKDIAG MINI Setup:

1. **Download the App:** Search for the "ThinkDiag" app on Google Play Store or Apple App Store.
2. **Register/Log In:** Create an account or log in if you already have one.
3. **Connect to Vehicle:** Locate your vehicle's OBD-II port (usually under the dashboard) and plug in the THINKDIAG MINI device.
4. **Pair via Bluetooth:** Turn on your vehicle's ignition. Open the ThinkDiag app and follow the on-screen prompts to pair the device via Bluetooth.
5. **Download Software:** Once connected, download the necessary vehicle diagnostic software packages within the app.

THINKSCAN 689 Setup:

1. **Power On:** Connect the THINKSCAN 689 device to your vehicle's OBD-II port. The device will power on automatically.
2. **Initial Configuration:** Follow the on-screen instructions to select language, time zone, and other initial settings.
3. **Software Update:** Connect the device to Wi-Fi (if applicable) or a computer to check for and install the latest software updates for optimal performance and vehicle compatibility.

OPERATING INSTRUCTIONS

THINKDIAG MINI Operation:

After successful setup, the ThinkDiag app provides various diagnostic functions:

- **Diagnostic Report:** Generate comprehensive reports of vehicle status.
- **4-in-1 Live Data:** View real-time sensor data in graphical format.
- **VIN Auto Scan:** Automatically identify vehicle information.
- **One-Click Free Update:** Keep your software up-to-date.
- **Read/Clear Codes:** Access and erase Diagnostic Trouble Codes (DTCs).
- **I/M Readiness:** Check emission system status.
- **Freeze Frame:** View vehicle parameters at the moment a DTC was set.
- **O2 Monitor Test:** Retrieve O2 sensor monitor test results.
- **EVAP Monitor Test:** Perform EVAP system leak tests.
- **DTCs Look-up:** Get detailed descriptions of trouble codes.

THINKDIAG MINI

WITH INTELLIGENT WIRELESS DIAGNOSTICS

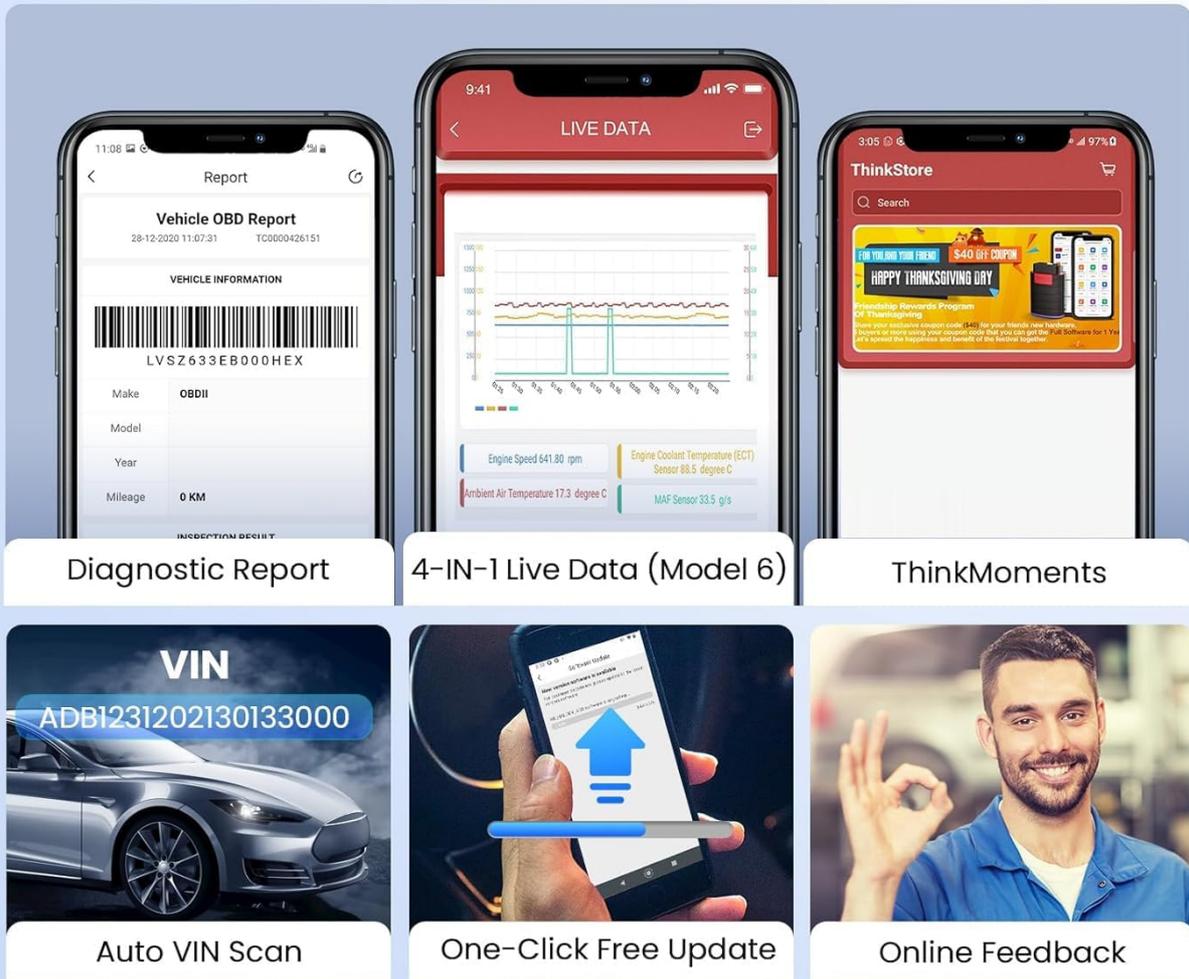


Figure 4: THINKDIAG MINI intelligent wireless diagnostics features, including diagnostic reports, live data, and update capabilities.

FULL OBD-II FUNCTIONS

Quick Scan the Problems

- Read trouble code
- Clear trouble code
- Read data stream
- ECU information

- Read Codes
- Erase Codes
- On-Board Monitor Test
- Live Data
- I/M readiness
- Freeze Frame
- VIN information
- O2 Monitor Test
- EVAP Monitor Test
- DTCs Look-up

NOTE When the vehicle does not have this module, the menu may not have what you need.

Figure 5: Full OBD-II functions available through the THINKDIAG MINI, detailing capabilities such as reading/clearing codes and accessing live data.

THINKSCAN 689 Operation:

The THINKSCAN 689 offers advanced diagnostic and maintenance functions:

- **OE-Level All Systems Diagnostic Scan:** Perform a comprehensive scan of all available vehicle modules.
- **Auto VIN/Scan:** Quickly identify vehicle information.
- **Read/Clear Codes:** Access and erase DTCs from various systems.
- **Live Data:** Monitor real-time data streams.
- **Freeze Frame:** Capture vehicle data at the time of a fault.
- **ECU Information:** Retrieve Electronic Control Unit details.
- **Active Test (Bidirectional Control):** Command vehicle components to perform specific tests (e.g., turn on/off fuel pump, cycle ABS pump).
- **34+ Reset Functions:** Perform various maintenance resets, including:
 - Oil Reset

- ABS Bleeding
 - SAS Reset (Steering Angle Sensor)
 - EPB Reset (Electronic Parking Brake)
 - TPMS Reset (Tire Pressure Monitoring System)
 - Injector Coding
 - Throttle Adaptation
 - Gear Learning
 - And many more.
- **Advanced ECU Coding:** Improve vehicle performance, unlock hidden functions, improve fuel efficiency, block annoying features, and optimize vehicle performance. **Note:** Coding functions vary by vehicle model. Always check compatibility first.



Figure 6: OE-Level All Systems Diagnostic Scanner capabilities of the THINKSCAN 689, showing its ability to scan all modules.

34+ Most Useful Resets

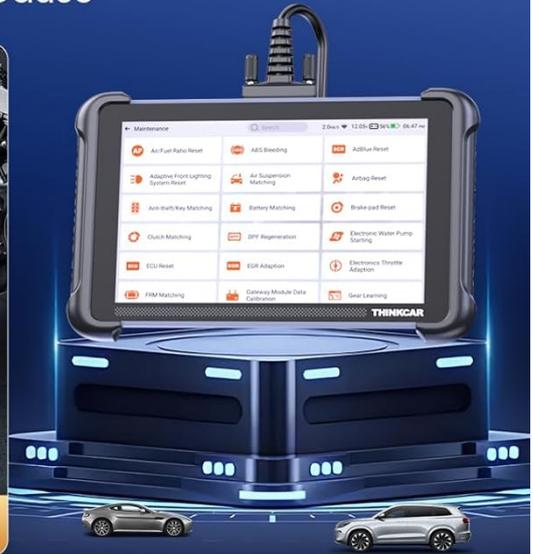
Quickly Locate Root Cause



OIL Reset



ABS Bleeding



SAS Reset



EPB Reset

- RESETBLUE
- RESETAFS
- RESETAIRBAG
- RESETAIRFUEL
- RESETBLEED
- RESETBMS
- RESETBOX
- RESETBRAKE
- RESETCLUTCH
- RESETCOOLANT
- RESETDF
- RESETECU
- RESETEJR
- RESETETS
- RESETFRM
- RESETGATE
- RESETGEAR
- RESETIMMO
- RESETINJEC
- RESETLANGUAGE
- RESETNOSENSOR
- RESETOD
- RESETOIL
- RESETRLSENSOR
- RESETSAS
- RESETSEAT
- RESETSTOPSTART
- RESETSUN
- RESETSUS
- RESETTPMS
- RESETTRANSPORT
- RESETTURBO
- RESETTYRE
- RESETWINDOW

Figure 7: Illustration of the 34+ useful reset functions available on the THINKSCAN 689, designed to quickly locate and address root causes of vehicle issues.

Advanced ECU Coding

Improve Vehicle's Performance and Unlock Hidden Functions

- Match Components
- Unlock Hidden Features
- Improve Fuel Efficiency
- Block Annoying Features
- Optimize Vehicle's Performance

NOTE:
Coding Functions Varies by Vehicle Modes, Please Check the Compatibility First

Figure 8: Advanced ECU Coding features of the THINKSCAN 689, detailing how it can improve vehicle performance and unlock hidden functions.

General Operation Tips:

- Always ensure your vehicle's ignition is on when performing diagnostics.
- Follow all on-screen prompts and instructions carefully.
- Refer to your vehicle's service manual for specific diagnostic procedures or component locations.

MAINTENANCE

- **Cleaning:** Wipe the devices with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the devices in a dry, cool place away from direct sunlight and extreme temperatures.
- **Software Updates:** Regularly check for and install software updates to ensure optimal performance, compatibility with new vehicle models, and access to the latest features.
- **Cable Care:** Inspect cables for damage before each use. Do not bend or crimp cables excessively.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Incorrect connection to OBD-II port; vehicle ignition off; faulty OBD-II port.	Ensure secure connection. Turn vehicle ignition on. Test on another vehicle if possible.
Cannot connect THINKDIAG MINI via Bluetooth.	Bluetooth off on phone; device not in pairing mode; interference.	Ensure phone Bluetooth is on. Restart app and device. Try pairing in a different location.
No communication with vehicle ECU.	Incorrect vehicle protocol; faulty OBD-II port; vehicle not OBD-II compliant.	Verify vehicle year and make. Ensure vehicle is OBD-II compliant (1996 and newer for US). Check OBD-II port for damage.
Software update fails.	Poor internet connection; insufficient storage; server issues.	Ensure stable internet connection. Free up storage space. Try updating again later.

SPECIFICATIONS

- **Brand:** thinkcar
- **Model:** THINKSCAN 689 + THINKDIAG MINI
- **Connectivity Technology:** USB (for THINKSCAN 689), Bluetooth (for THINKDIAG MINI)
- **Scanner Type:** Automotive Diagnostic Tool
- **Vehicle Coverage:** OBD-II & EOBD compliant vehicles (1996 and newer for US, specific coverage varies by region and model)
- **Functions:** Full System Diagnostics, Bidirectional Control, 34+ Reset Functions, ECU Coding, Live Data, Read/Clear DTCs, I/M Readiness, etc.
- **Languages:** English, Spanish, French, German, Italian, Japanese, Russian, Portuguese, Polish, Chinese, Turkish

Note: Specifications are subject to change without prior notice.

OFFICIAL PRODUCT VIDEOS

Video 1: Comprehensive Diagnostic Overview

Your browser does not support the video tag.

This video provides a general overview of the diagnostic capabilities of the THINKCAR tools, demonstrating how to navigate menus and perform basic scans. (Duration: 9:10)

Video 2: Advanced Functions Demonstration

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This video delves into more advanced features such as bidirectional control, reset functions, or ECU coding, offering practical examples. (Duration: 31:51)

Video 3: THINKDIAG MINI App Usage Guide

Your browser does not support the video tag.

This video guides users through the ThinkDiag mobile application interface, demonstrating how to connect the THINKDIAG MINI and utilize its features. (Duration: 12:29)

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official thinkcar website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

Official Website: www.thinkcar.com (This is a placeholder, please verify the actual website)

Amazon Store: [Visit the thinkcar Store on Amazon](#)