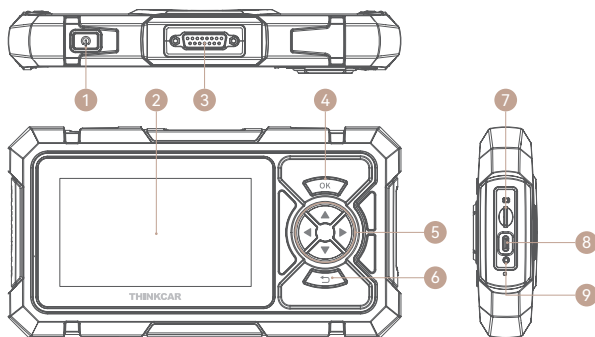


THINKCAR



Statement: THINKCAR owns the complete intellectual property rights for the software used by this product. For any reverse engineering or cracking actions against the software, THINKCAR will block the use of this product and reserve the right to pursue their legal liabilities.

1 Product Descriptions



- 1. Power/Screen Lock Button:** Press and hold 5 seconds to turn on or off the device; Press once to lock or unlock the screen display.
- 2. Touch Screen:** 5 inches (854*480 resolution)
- 3. DB15 interface:** To plug in the diagnostic cable.
- 4. OK Button:** Press to confirm the operation.
- 5. Selection Buttons:** Up, Down, Left and Right direction selection.
- 6. Return Button:** Return to the previous step.
- 7. TF Card Slot:** Supports expandable SD memory card up to 128G.
- 8. TYPE-C interface:** To plug in the charging cable. (Maximum 5V/2.5A input)
- 9. Factory Reset Button:** Restore factory settings.

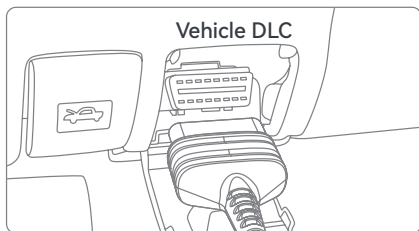
2 Technical Specifications

OS	Android 8.1
Screen	5 inch (854*480 resolution)
Memory	2GB
Storage	64GB
Wi-Fi	802.11 a\b\g\n
Battery	3150mAh/3.8V
Bluetooth	BT5.0
Working Environment	-10° C ~ 50° C (14° F ~ 122° F)

Storage Environment	-20° C ~ 60° C (-4° F ~ 140° F)
Working Voltage	5V
Working Current	≤ 2.5A
Supported Protocols: SAE-J1850 PWM, SAE-J1850 VPW, ISO 9141, ISO-14230-2 ISO, ISO 14230-4 KWP, ISO 15765-4 CAN, J1708, J1939, CANFD	

3 How To Use

Connect ThinkScan HD to your vehicle's DLC interface with the diagnostic cable. DLC is usually 12 inches away from the center of the instrument panel (dash), under or around the driver's side.



4 Initial Settings

Hold the Power button for 5 seconds to turn the ThinkScan HD on. Please follow the display to finish the initial settings including timezone, Wi-Fi, language, etc.

5 Functions Introduction

Covering major Heavy Duty vehicle brands, ThinkScan HD features full system and full functions diagnosis including read DTC, clear DTC, read data stream, read ECU version, view freeze frame, ECU coding, actuation test, and other special functions.

5.1 Diagnosis

Select the vehicle brand, model, year, and enter the selected system to perform corresponding diagnostic functions.

- 1) Version Information: Read the current version information of the ECU.
- 2) Read Fault Code: Read the DTC in the ECU memory to help technicians to identify the cause of the failure.
- 3) Clear Fault Code: Delete the existing fault codes.
- 4) Read Data Stream: View and capture real-time data from ECUs.
- 5) Actuation Test: Test whether the execution components in the electronic control system work normally.

5.2 Maintenance

ThinkScan HD supports 8 maintenance reset functions:

DPF Regeneration, Oil Reset, Injector Coding, Clutch Matching, Brake-pad Reset, SCR Reset, Speed Limit Reset, Cylinder Cut Out Test.

5.3 OBD

Scan engine module through OBD interface for both heavy duty and 12v vehicles.

- a. Read and clear fault codes, turn-off malfunction indicator light (MIL)
- b. O2 sensor test to check fuel efficiency and vehicle emission
- c. Display freeze frame data and retrieve vehicle information
- d. EVAP test for fuel tank system (Carbon canister test)
- e. Display I/M readiness status (Non-continuously monitored system test)
- f. Request On-Board Monitoring test results for specific monitored systems

5.4 PIN Detection

Pin detection can be used to detect the voltage of the vehicle OBD-II socket and the supported protocol types to help technicians to judge the working status of the OBD-II diagnostic interface.

5.5 Toolbox

You can check or search DTC code library, vehicle coverage list and the instruction manual under this menu, and use some applications such as Google Browser, File Manager, and Calculator, etc.

5.6 Feedback

If you encounter an unresolved problem or diagnostic software bug during diagnosis, you can revert the most recent 20 test records to our team. We will then analyze and troubleshoot it in a timely manner, to improve the quality of our products and user experience.

5.7 Update

Check and download available new software and applications.

5.8 File

You can check your diagnostic reports and data stream records under this menu.

5.9 Settings

You can modify or add related information in this module, or change settings after the initial setting is completed.

6 FAQ

Q: Why my tablet cannot be turned on?

Possible reasons	Solution
The device has not been used for a long time, and the battery drains.	Charge it for more than 2 hours before turning it on.
The charger is faulty.	Change a charger to charge the device.

Q: Why my tablet cannot establish a connection with the vehicle?

Possible reasons	Solution
Poor electric contact with the vehicle's DLC port.	Plug out the connection cable, and then plug it in again.
Too low voltage of the vehicle battery.	• Recharge the vehicle battery. • Replace the vehicle battery if it is damaged.
Diagnostic cable faulty.	Contact THINKCAR after-sales service to get support.

Q: How do I connect my vehicle if it does not have the standard OBDII DLC port?

A: We supply 3 non-standard adapters with the product. Please select the appropriate one from them. If the 3 still don't match, you will need to buy a suitable one on the market, or use some jumper cables to establish the connection.

Q: Why does it show communication error with vehicle ECU?

A: Please confirm whether the diagnostic cable is correctly connected with the vehicle and if the vehicle ignition switch is ON. If all are normal, please send us a feedback along with vehicle information (Model, Year, VIN). Our service team will get back to you shortly.

Q: Why can't I enter the desired vehicle ECU system?

A: Please confirm whether the vehicle is truly equipped with the ECU system, whether the diagnostic cable is correctly connected, and whether the vehicle ignition switch is ON.

7 Warranty Terms

THINKCAR provides 1-year free warranty for this tool. This warranty applies only to users who purchase the products through authorized channels. THINKCAR warrants damages due to product defects in materials or assembling. Damages to the equipment or components caused by abusing, unauthorized modification, using for non-designed purposes, operation in a manner not specified in the instructions, etc., are not covered by this warranty. The compensation for dashboard damage caused by the defect of this equipment is limited to repair or replacement. THINKCAR does not bear any indirect and incidental losses. THINKCAR will judge the nature of the equipment damage according to its prescribed inspection methods. No agents, employees, or business representatives of THINKCAR are authorized to make any confirmation, notice, or promise related to THINKCAR products warranty.