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thinkcar 673BT

THINKCAR 673BT Bidirectional OBD2 Scanner User Manual

Model: 673BT

1. Introduction

The THINKCAR 673BT is a professional bidirectional OBD2 diagnostic scanner designed for comprehensive vehicle system analysis and maintenance. This tool provides advanced functions such as active tests, full system diagnostics, and over 28 reset and maintenance services. It supports a wide range of vehicle makes and models, including those with CAN FD and DoIP protocols, ensuring compatibility with modern vehicles.

Equipped with a 7-inch touchscreen, Android 10 operating system, and wireless Bluetooth VCI, the 673BT offers a user-friendly and efficient diagnostic experience for both automotive technicians and advanced DIY users.

2. What's in the Box



Image: Contents of the THINKCAR 673BT package.
This image displays the THINKCAR 673BT scanner unit, the Bluetooth VCI module, a carrying case, a charging cable, and the user manual, all neatly arranged.

Please check the package contents upon arrival. If any items are missing or damaged, contact customer support.

- 1 x THINKCAR 673BT OBD2 Scanner
- 1 x BT 5.0 VCI (Vehicle Communication Interface)
- 1 x Carrying Case
- 1 x User Manual
- 1 x Charging Cable

3. Setup Guide

3.1 Initial Power On

1. **Charge the Device:** Connect the charging cable to the THINKCAR 673BT scanner and a power source. Ensure the

device is fully charged before first use.

2. **Power On:** Press and hold the power button (usually located on the side or top) until the screen illuminates.
3. **Initial Setup:** Follow the on-screen prompts to select your language, time zone, and connect to a Wi-Fi network. A stable Wi-Fi connection is required for software updates.

3.2 Connecting the VCI Module



Image: Bluetooth 5.0 VCI module for wireless diagnostics.
This image shows the compact Bluetooth VCI module being plugged into a vehicle's OBD2 port, with the THINKCAR 673BT scanner displaying diagnostic information wirelessly.

1. **Locate OBD2 Port:** The OBD2 diagnostic port is typically located under the dashboard on the driver's side.
2. **Connect VCI:** Plug the BT 5.0 VCI module firmly into the vehicle's OBD2 port. Ensure the vehicle's ignition is in the "ON" position (engine can be off).
3. **Pair VCI with Scanner:** On the THINKCAR 673BT scanner, navigate to the Bluetooth settings or the diagnostic application. The scanner will automatically search for and connect to the VCI module. Confirm the connection when prompted.

4. Operating Instructions

4.1 Vehicle Identification (AutoVIN)



Image: Automatic AutoVIN information retrieval.
This image illustrates the THINKCAR 673BT scanner displaying a "VIN SCAN..." interface, automatically identifying the vehicle's make, model, and year for quick diagnostics.

The AutoVIN feature allows the scanner to automatically identify your vehicle's make, model, and year, streamlining the diagnostic process.

1. From the main menu, select the "Diagnose" or "Auto Search" option.
2. The scanner will attempt to read the VIN from the vehicle's ECU.
3. If AutoVIN is successful, the vehicle information will be displayed. If not, you may need to manually enter the VIN or select the vehicle details.

4.2 Full System Diagnostics



Image: OE-Level All Systems Scan capabilities.
This image highlights the THINKCAR 673BT's ability to perform comprehensive diagnostics across all vehicle systems, including Engine (ECM), Transmission (TCM), ABS, SRS, SAS, BCM, and TPMS, showing data such as DTCs, live data, and freeze frame data.

This function allows you to read and clear fault codes, view live data, and retrieve ECU information from all available vehicle systems (e.g., Engine, Transmission, ABS, SRS, TPMS, etc.).

1. After vehicle identification, select "System Scan" or navigate to specific system modules.
2. Choose the desired system (e.g., Engine, ABS).
3. **Read Fault Codes:** Displays Diagnostic Trouble Codes (DTCs) present in the system.
4. **Clear Fault Codes:** Erases DTCs from the system. Ensure the underlying issue is resolved before clearing codes.
5. **Live Data Stream:** View real-time sensor data in text or graph format.
6. **Freeze Frame Data:** Captures a snapshot of sensor data at the moment a fault code was set.

4.3 Bidirectional Control (Active Test)



Image: Bidirectional Control Tests in action.
This image demonstrates the bidirectional control capabilities of the THINKCAR 673BT, showing the scanner sending commands to the vehicle's ECU to test components like door locks, windows, wipers, mirrors, headlights, and radiator fans.

Bidirectional control allows the scanner to send commands to the vehicle's ECU to activate specific actuators or perform functional tests, helping to pinpoint faults more quickly.

1. From the diagnostic menu, select "Active Test" or "Bidirectional Control".
2. Choose the component you wish to test (e.g., fuel pump, injectors, ABS motor, window motor).
3. Follow the on-screen instructions to activate or cycle the component and observe its operation.

4.4 Reset & Maintenance Services



Image: Overview of 28+ Reset & Maintenance Services.
This image displays a grid of icons representing the various maintenance services offered by the THINKCAR 673BT, including Oil Reset, SAS Reset, ABS Bleeding, Injector Coding, Airbag Reset, TPMS Reset, BMS Reset, and Throttle Adaptation, among others.

The THINKCAR 673BT offers over 28 common maintenance and reset services. Availability of specific services may vary by vehicle make and model.

- **Oil Reset:** Resets the oil life system after an oil change.
- **SAS Reset:** Calibrates the Steering Angle Sensor.
- **EPB Reset:** Resets the Electronic Parking Brake pads after replacement.
- **TPMS Reset:** Resets Tire Pressure Monitoring System sensors.
- **Throttle Adaptation:** Relearns the throttle body position.
- **BMS Reset:** Registers a new battery to the ECU.
- **ABS Bleeding:** Bleeds air from the ABS system.
- **Injector Coding:** Codes new injector numbers into the ECU.
- *And many more...*

1. From the main menu, select "Maintenance" or "Service Functions".
2. Choose the desired reset or maintenance function.
3. Follow the on-screen instructions carefully to perform the procedure.

4.5 Software Updates

The THINKCAR 673BT offers lifetime free software updates via Wi-Fi, ensuring you always have the latest features and vehicle coverage.

1. Ensure the scanner is connected to a stable Wi-Fi network.
2. From the main menu, select "Upgrade" or "Update".
3. The system will check for available updates. Select the updates you wish to install and follow the prompts.
4. Do not power off the device during the update process.

5. Maintenance

- **Cleaning:** Use a soft, damp cloth to clean the screen and device exterior. Avoid abrasive cleaners or solvents.
- **Storage:** Store the device in its carrying case in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For optimal battery life, avoid fully discharging the battery frequently. Charge the device regularly, even if not in use for extended periods.
- **Software:** Keep the software updated to ensure optimal performance and compatibility.

6. Troubleshooting

6.1 Device Does Not Power On

- Ensure the device is fully charged. Connect it to the charger and wait for at least 30 minutes before attempting to power on again.
- Check if the power button is being pressed correctly and held for a few seconds.

6.2 VCI Not Connecting to Scanner

- Ensure the VCI module is securely plugged into the vehicle's OBD2 port.
- Verify the vehicle's ignition is in the "ON" position.
- Check the Bluetooth settings on the scanner to ensure Bluetooth is enabled and the VCI is discoverable.
- Restart both the scanner and the vehicle (turn ignition off and on).

6.3 No Communication with Vehicle ECU

- Confirm the VCI is properly connected to the OBD2 port and the scanner.
- Verify the vehicle's ignition is "ON".
- Check if the vehicle is OBD2 compliant (most vehicles 1996 and newer).
- Ensure the scanner's software is up to date for the specific vehicle make/model.
- Try another OBD2 compliant vehicle to rule out a vehicle-specific issue.

6.4 Software Update Failure

- Ensure a stable and strong Wi-Fi connection.
- Verify the device has sufficient battery charge (at least 50%) or is connected to power during updates.
- Check available storage space on the device.

- Try restarting the device and attempting the update again.

7. Specifications

Feature	Detail
Model Number	673BT
Operating System	Android 10.0
Processor	Quad-core 2.0 GHz
RAM	2GB
ROM	64GB
Screen Size	7 inches
Screen Resolution	1024x600
Connectivity	Bluetooth 5.0 VCI, 2.4G & 5G Wi-Fi
Battery Capacity	4150mAh
Product Dimensions	9.8"L x 5.9"W x 1.8"H
Item Weight	0.76 kg
Supported Protocols	CAN FD, DoIP, OBDII/EOBD protocols
Languages	28 languages including English, Spanish, German, French

8. Warranty Information

The THINKCAR 673BT OBD2 Scanner comes with a **2-Year Manufacturer Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or improper operation.
For warranty claims, please retain your proof of purchase and contact THINKCAR customer support.

9. Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact THINKCAR customer support. We offer 24/7 support to ensure you get the help you need.
Please visit the official THINKCAR website for contact details and further resources.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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