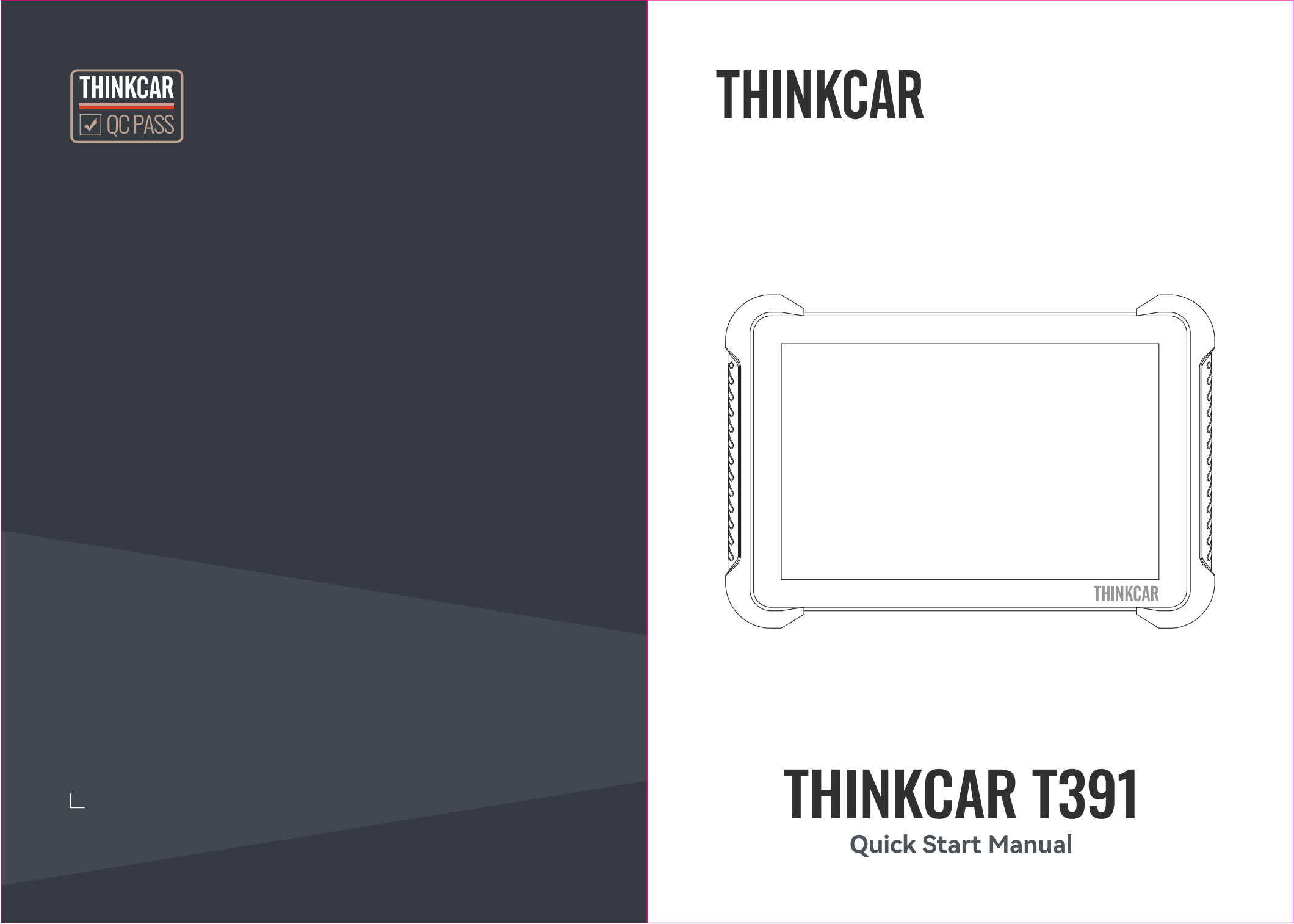
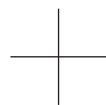
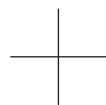
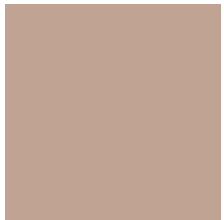
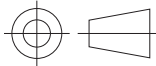




THINKCAR

THINKCAR T391 英文快速入门
尺寸:140*200mm
材质:封面157g哑粉纸,彩印
内页105g铜版纸,彩印
工艺:封皮过哑胶,内页过油,骑马钉

 所有■印专色-星卡金	注:加工工艺和材料必须通过RoHS认证		公司名称:深圳市星卡科技股份有限公司	
	物料编码:10008951		视角 	比例 1:1
	文件名称:THINKCAR T391 英文快速入门		版本V1	第 1 页 共 1 页
画幅	设计: 陈文婷 20251106			

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.

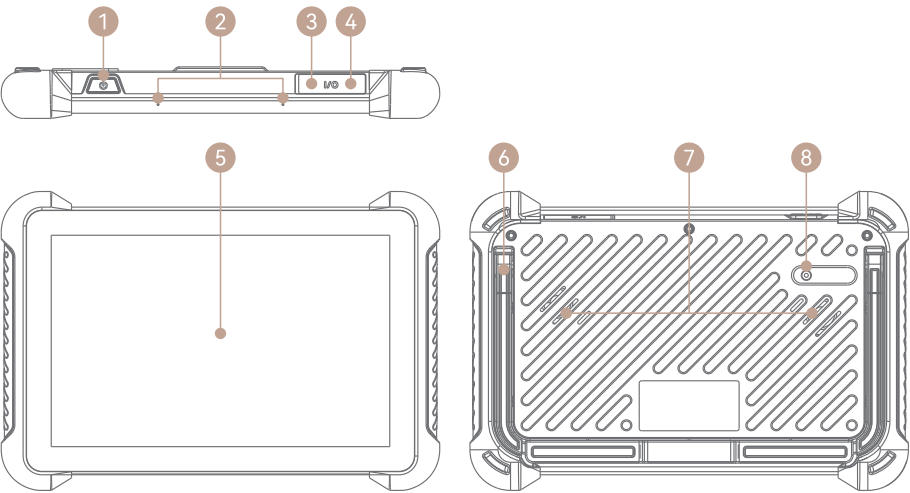
1 Product Overview

1.1 Product Profile

THINKCAR T391 is an intelligent diagnostic device newly developed by THINKCAR in 2025. It adopts a new ID design style. Suitable for various complex automotive maintenance environments. TCOS system adopts a new UI design concept, with a stronger sense of interface hierarchy and higher smoothness. It uses high-end hardware configuration, the host is equipped with high-performance processor, 10.1-inch 1280*800 HD screen, 4GB RAM+128GB ROM, rear 13 million camera and flash. VCI is equipped with 256MB RAM+8GB ROM, 2.8-inch 240*320 resolution screen.

1.2 Components & Controls

1.2.1 Host device -- THINKCAR T391

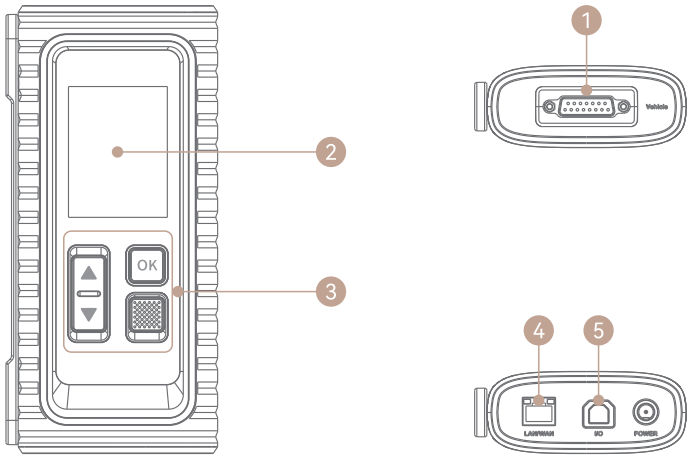


NO.	Name	Descriptions
1	Power Button	· Short press to turn off or wake up the screen. · Long press for 3 seconds to turn on/off the device, and for 8 seconds to force to restart the device.
2	Microphone	To receive sound.
3	USB Port	To Connect to external devices.
4	Type-C Port	Used for charging and data transmission.
5	Screen	10.1 inch and 1280*800 resolution screen.
6	Adjustable Stand	Able to keep the device standing on the desk, or hang the device on the steering wheel.
7	Loudspeaker	Convert an audio signal into a corresponding sound.
8	Rear camera	13 million pixel rear camera.

Parameters

Operating System	TCOS	Screen	10.1 inches
Resolution	1280*800	Size	280.8*191.3*33mm
Weight	1.54kg	Memory	4G
Storage	128G	Battery	12,600mAh/3.8V
Charging	5V/2.5A	Working Environment	14°F~122°F (-10°C~50°C)
Storage Environment	-4°F~140°F (-20°C~60°C)		

1.2.2 VCI



NO.	Name	Descriptions
1	Diagnostic port	Communicate with the vehicle through the Diagnostic Connection Cable.
2	Screen	2.8 inch and 240*320 resolution screen.
3	Buttons	Support up, down, confirm, and return operations.
4	Ethernet port	Provide network to devices through Ethernet cables.
5	I/O data Port	Type B USB port is designed for building stable communication when performing ECU Programming or IMMO Key Programming.

Parameters

Operating System	LINUX	Working Voltage	9-18V
Memory	256M	Storage	8G
Screen	2.8 inches	Resolution	240*320
Working Environment	14°F~122°F (-10°C~50°C)	Storage Environment	-4°F~140°F (-20°C~60°C)

2 Quick to Use Guide

2.1 First Time to Use

The following settings should be made when you initially use the device.

2.1.1 Turn on The Machine

After pressing the power button, images will be shown on the screen as follows.



2.1.2 Language Setting

Select the target language from the languages displayed on the interface.

2.1.3 Choose Time Zone

Choose the time zone of the current location, then the system will automatically configure the time.

2.1.4 Connect Wi-Fi

The system will automatically search all available Wi-Fi networks. Please connect to the trusted Wi-Fi.

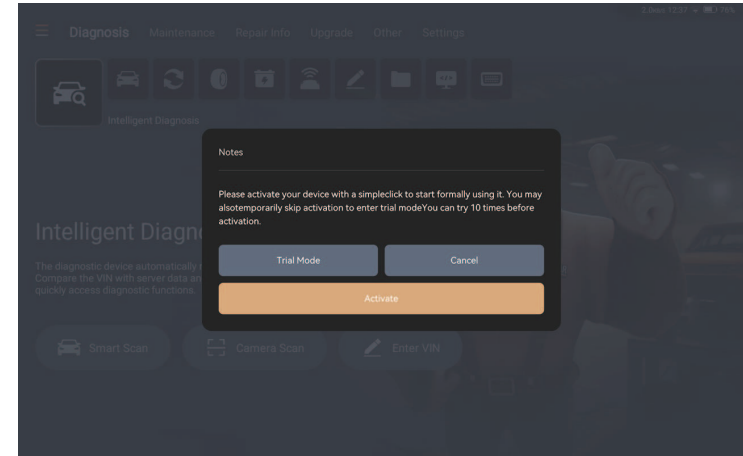
 *Tips: Wi-Fi must be set. If there is no Wi-Fi network is available nearby, you can try "Portable Mobile Hotspot".*

2.1.5 Register term

Please read all the terms and conditions of the user agreement carefully. Choose "Agree to the above terms", and tap "Next".

2.1.6 Activate Device

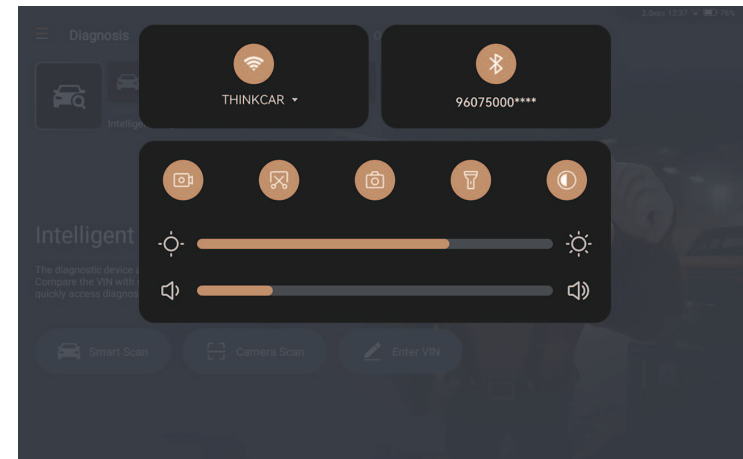
If you are first time to use, you will be prompted whether to activate device. You can choose [Trial Mode], you can try Diagnosis function 10 times. If you choose [Activate], the device will be activated and using all function normal.



2.2 Usage Tips

2.2.1 Common Function Window

Swipe down from the top of the screen to open a pop-up window for commonly used functions.

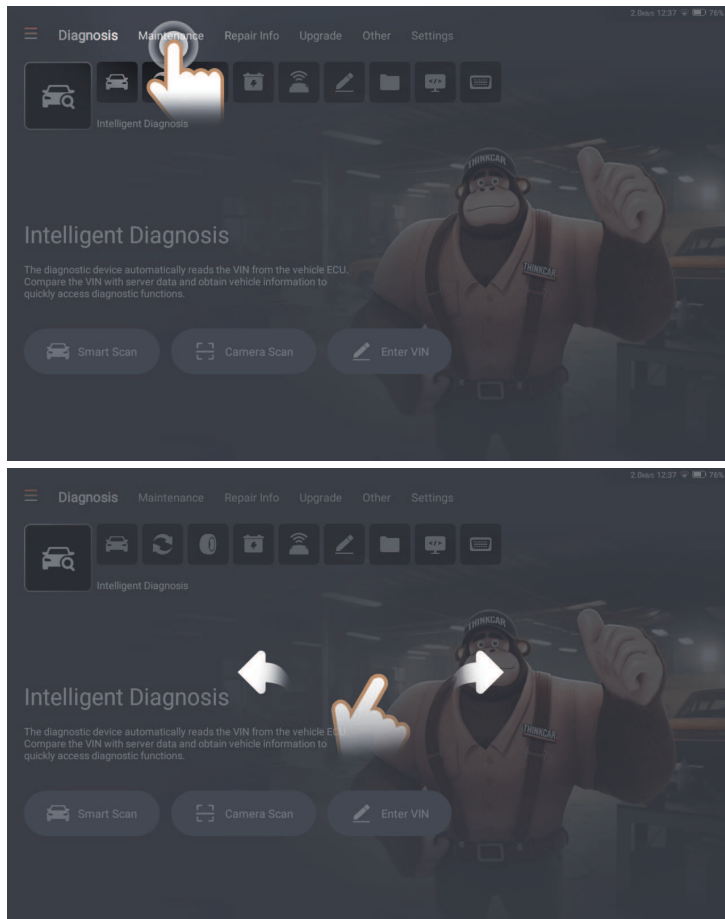


-  Clicking on the Wi-Fi icon can turn device WiFi on or off. Long press the WiFi icon or click on the WiFi name and location to redirect to the WiFi settings interface.
-  Turn Bluetooth on or off.
-  Turn on or off the shortcut actions of screen recording.

-  Turn on or off the shortcut actions of screenshots.
-  Click to enter the camera function.
-  Click to turn the LED light on or off.
-  Click to switch the theme between DARK MODE and LIGHT MODE.

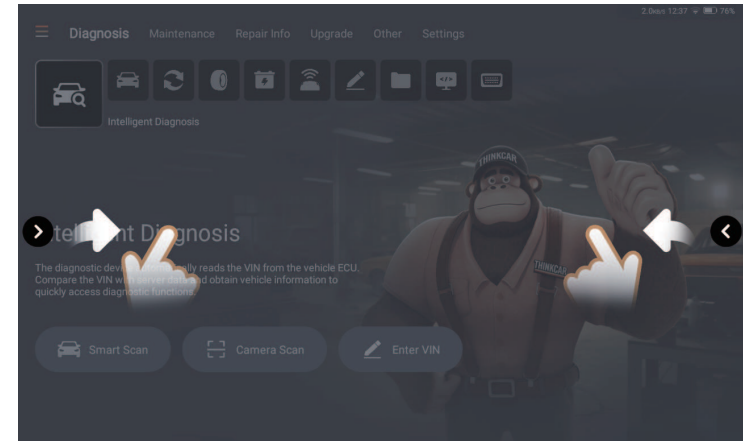
2.2.2 Function Switching

Click on the top menu to switch between functional interfaces. You can switch functions by swiping left/right, or clicking on the function icon. You can view the description of this function on the function interface.



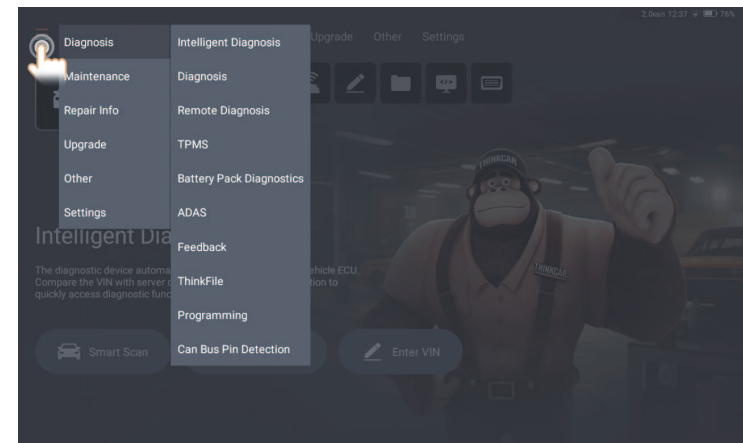
2.2.3 Quick Return Operation

On any interface, the operation to return to the previous interface can be triggered by swiping left/right.



2.2.4 Shortcut Menu

Click the button in the upper left corner of the homepage to quickly view all the function menus, and click to open the functions.



2.3 Charging

Follow the steps below to charge the device:

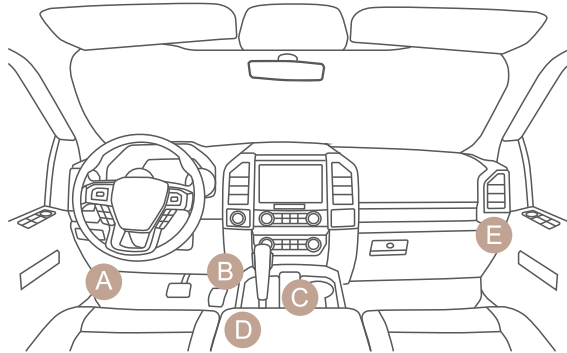
- Use the charger to connect the device and the power socket to charge.
- When the battery status displays  the device is charging.

When it displays , the charging process has been completed and you shall disconnect the device.

2.4 VCI Connections

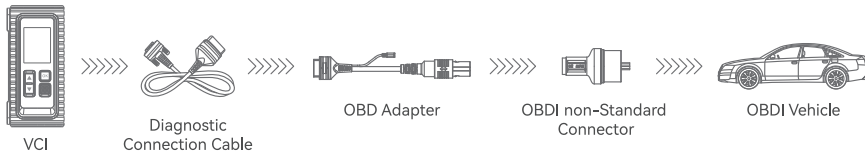
2.4.1 For OBDII standard vehicle

Connect the VCI to OBDII port of vehicle through the OBD Diagnostic Cable. The vehicle OBDII port is usually located under the dashboard, on the driver's side above the pedals. Below are five locations for the most common OBDII ports.



2.4.2 For OBDI standard vehicle

Please refer to the following diagram for detailed connection:



! Tips: For the types of OBDI connectors for , please refer to the Packing List.

3 Diagnosis

3.1 Intelligent Diagnosis

The Intelligent Diagnosis function compares the current vehicle's VIN information with the server's database. To obtain vehicle information for rapid diagnosis. Compared to the past, Intelligent Diagnosis solves the problem of slow speed and easy selection errors by only selecting menus based on the vehicle model level by level.

There are currently three ways to do this:

- **Smart Scan:** The diagnostic device is connected to the vehicle and reads the VIN code from the vehicle ECU.
- **Camera Scan:** Use a camera to take photos of the vehicle's VIN and automatically recognize it.
- **Enter VIN:** Manually enter the vehicle VIN.

3.2 Diagnosis

Support manual selection of vehicle brand and model for diagnosis.

3.2.1 Manually Selecting Vehicle

Enter the Diagnosis vehicle software interface and click to select the software icon for the vehicle that needs to be diagnosed. After successful communication with the vehicle, it is necessary to select information such as model, year, and displacement based on the vehicle information. The diagnostic selection menu may vary for different vehicle models. After completion, you will enter the diagnostic function interface. THINKCAR T391 Series supports diagnostic topology map functionality.



3.2.2 Diagnostic function

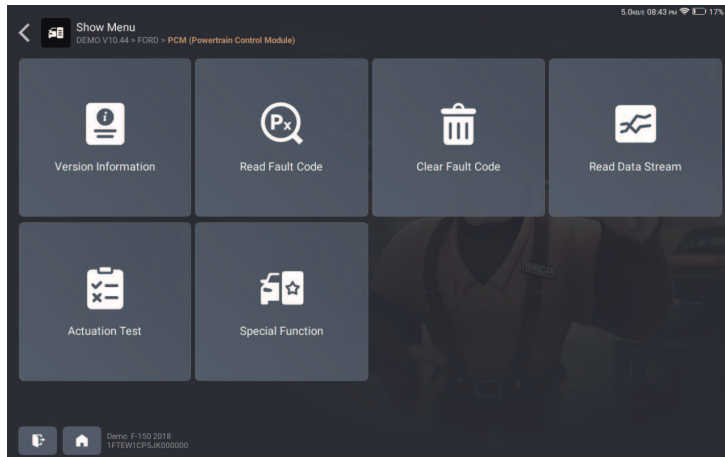
- **System Topology:** Display the distribution of lines in the automotive system in the form of a topology diagram. Can visually see the distribution of the system.
- **System List:** Display car systems in a list format.
- **Other function:** Special functions, programming, ADAS Calibration, and other functions can be accessed at the top. The functional menus of different car models may vary.
- **High speed Scan:** Scans all systems in a concurrent manner, greatly improving efficiency.

! Tips: Currently, only some models support High speed Scan, and there is a probability that the system may be missed during the scan.

- **Smart Scan:** It enables you to quickly access all the system of the vehicle and generate a detailed report about vehicle health.
- **System Scan:** To check how many systems the car is equipped with.
- **Choose to Scan:** Choose the target automotive electronic control system to scan.

3.2.3 System and Function

- Click the ECU module, and the screen will enter the function selection interface.
- Click to select the function to perform.



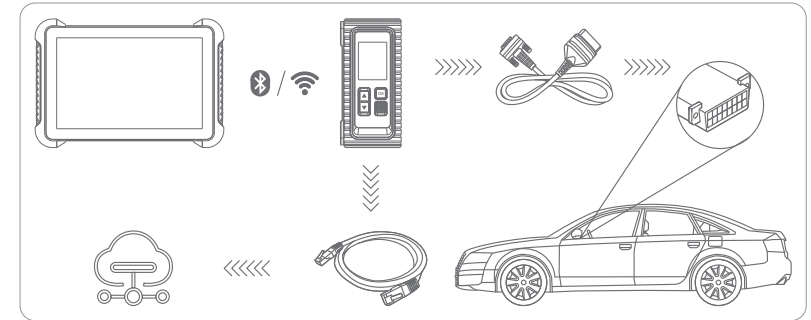
- 1) **Version Information:** Read the current version information of the automotive ECU.
- 2) **Read Fault Code:** Read the DTC in the ECU memory to help maintenance personnel locate the cause of the failure.
- 3) **Clear Fault Code:** The system will automatically delete the existing fault codes.
- 4) **Read Data Stream:** View and capture (log) real-time live data from ECUs.
- 5) **Actuation Test:** Used to test whether the execution components in the electronic control system can work normally.
- 6) **Special Function:** Used for data writing operation of electronic control unit. They all belong to this category, such as ECU data calibration, ECU Programming etc. Some maintenance functions are also included in this part.

3.3 Remote Diagnose

THINKCAR remote diagnostic service can provide functions such as remote diagnosis, remote programming, remote anti-theft configuration, remote ADAS calibration, remote troubleshooting and answering. The platform is based on a safe, stable and efficient cloud data channel to quickly solve customers' car maintenance problems that cannot be completed locally. Currently, it supports CAN, CAN FD, DOIP, J2534 and other protocols, covering many mainstream car series such as Mercedes-Benz, BMW, Volkswagen Audi, and General Motors.

The remote diagnostic process is as follows:

a. Connect your device to your vehicle



b. Publish order requirements

- 1) Get vehicle information
You can use [Intelligent Diagnosis] or [Manual selection] to obtain vehicle information.
- 2) Fill in the order information
Select the service type and service time, and fill in the service details you need.

c. Communicate service needs

After the expert technician receives the order, you can communicate your needs with the expert technician through messages.

d. Start remote diagnostic service

After ensuring that the devices on both sides are connected, start the remote diagnostic service. During the remote connection process, please turn on the vehicle ignition switch to keep the wired network open.

e. Complete order and evaluation

After the expert technician completes the order, please provide your valuable suggestions and opinions.

3.4 TPMS

THINKCAR T391 Series supports communication with THINKCAR TPMS Tool for tire pressure sensor activation, reading, diagnosis, learning and programming functions.

- Read the tire pressure sensor ID, pressure, temperature, battery status.
- Activate the tire pressure sensor of THINKCAR, can achieve the original factory level function.
- Able to cover more than 98% of car models.

! *Tips: THINKCAR TPMS Tool is optional. If you need to purchase it, please contact your local dealer.*

3.5 Battery Pack Diagnostics

Conduct professional-level diagnostic testing for battery packs and battery modules of new energy vehicles, and provide multi-mode diagnosis: OBD interface diagnosis, fast charging port diagnosis, battery pack low-voltage interface diagnosis.

It can help users accurately locate battery faults through real-time analysis of important battery cell data such as voltage, temperature, and pressure difference, and provide battery diagnosis and maintenance guidance.

! *Tips: THINKCAR T391 is equipped with this feature. If necessary, please contact the dealer to purchase an EV PACKAGE for activation.*

3.6 ADAS

Advanced driver assistance systems (ADAS) is an electronic component in vehicles that include a variety of vehicle safety functions such as automatic emergency braking (AEB), lane departure warning(LDW), lane keeping assistance, blind spot elimination, night vision cameras, and self-adaptive lighting.

The static calibration function of ADAS defaults to the disable status. it need to be used with ADAS calibration tool of THINKCAR for activation. It is mainly for calibrating driver assistance systems such as cameras and radars, e.g. front-facing cameras for lanes departure warning systems, radar sensors for ACC (self-adaptive Cruise control) or cameras for self-adaptive headlights.

! *Tips: If you want to purchase ADAS calibration tool, please contact your dealer to purchase it.*

3.7 Feedback

If you encounter an unresolved problem or diagnostic software bug during diagnosis, you can revert the most recent 20 test records to THINKCAR Team. When we receive your feedback, we will analyze and troubleshoot it in a timely manner, to improve the quality of our products and user experience.

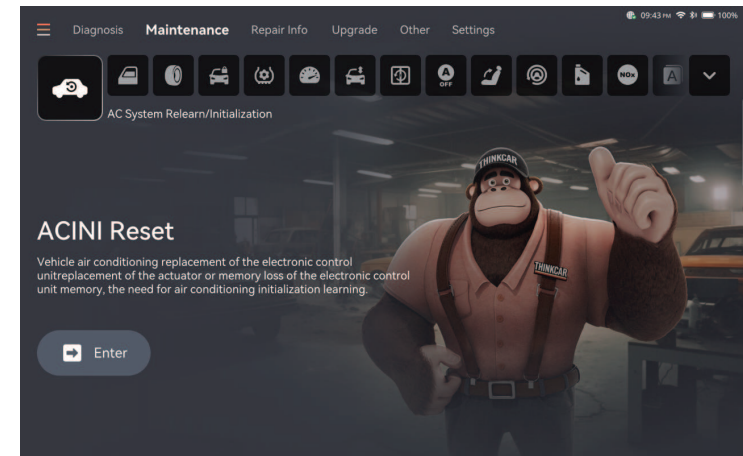
3.8 ThinkFile

It is used to record and establish the file of the diagnosed vehicles. The file is created based on the vehicle VIN and check time, including all VIN-related data such as diagnostic reports, data stream records and pictures.

3.9 Can Bus Pin Detection

Pin Detection is used to detect the voltage and supported protocol types of the OBD-II diagnostic socket pins in vehicles. If the detection results do not match the actual vehicle configuration, there may be a fault with the corresponding pin.

4 Maintenance



! *Tips: You can click on  to display all function icons.*

THINKCAR T391 Series currently supports 41 common maintenance functions:

- **AC: AC System Relearn/ Initialization**
Vehicle air conditioning replacement of the electronic control unit, replacement of the actuator or memory loss of the electronic control unit memory, the need for air conditioning initialization learning.
- **ADBLUE: AdBlue Reset**
Reset urea after the diesel exhaust treatment fluid is replaced or filled up.
- **AFS: Adaptive Front Lighting System Reset**
Initialize the adaptive headlamp system.
- **SRS: Airbag Reset**
Resets the airbag data to clear the airbag collision fault indicator.
- **A/F: Air/Fuel Ratio Reset**
Set or learn Air/Fuel ratio parameters.
- **ABS: ABS Bleeding**
Help exhaust the air.
- **BMS: Battery Matching**
Register the battery after replacement.
- **GEARBOX: Gearbox Learning**
Relearn Crank Position Sensors.
- **EPB: Brake-pad Reset**
Help replace and reset the brake pad.
- **CLUTCH: Clutch Matching**
Clutch pedal position or switch learning. This function learns the contact and position where the clutch starts to transmit engine torque after an electronic control unit replacement, transmission replacement/removal, or clutch replacement, and is applicable to