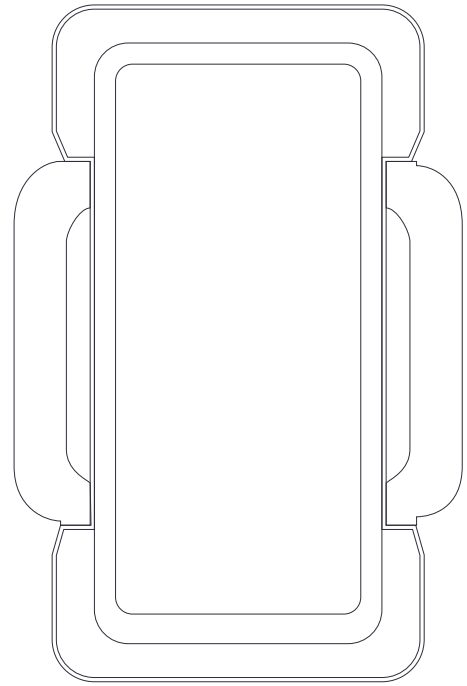
THINKCAR

QC PASS

THINKCAR

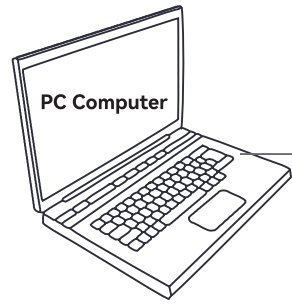


J2534

Quick Start Manual

1 J2534 Pass-Thru Work Flow





Install

THINKCAR J2534Plus Driver

The J2534 Plus driver contains both the interface driver and the J2534 DLL.
Download url: https://www.thinkcar.com/downloads/
Please refer to the next part of this manual for detailed installation guide.

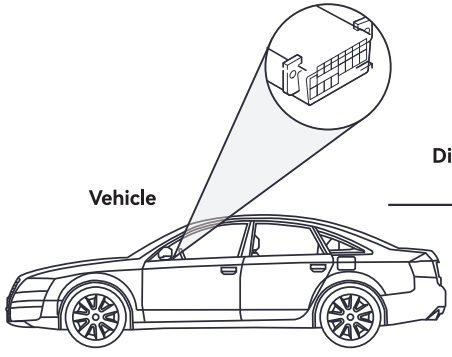
J2534 Compatible OE Software

First, obtain the OE software from original manufacturer.
Next, check if the vehicle model is supported according to the Vehicle Model Support List in Part 2.
Connect the VCI according to instructions in Part 4/5 depending on if you wish to perform local J2534 diagnostics or do it through remote J2534 diagnostics mode.



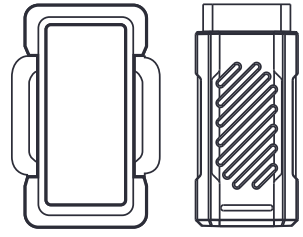
Wi-Fi Communication

Type C-USB



Vehicle

Diagnostic Cable



J2534 compatible VCIs (ThinkLink Series and GVCI)

Supported Protocols:

CAN/CAN_PS/FT_CAN_PS/SW_CAN_PS/FT_ISO15765_PS/ISO15765/ISO15765_PS/SW_ISO15765_PS/ISO14230/ISO14230_PS/ISO9141/ISO9141_PS/J1850PWM/J1850PWM_PS/J1850VPW/J1850VPW_PS

I/O data transmission port

LAN/WAN interface

(for connecting Internet cable)

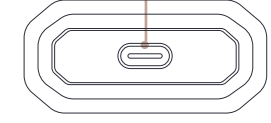
Power outlet

(for connecting DC power)



ThinkLink VCI

Type-C USB



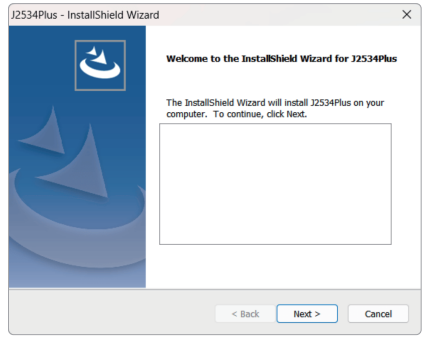
GVCI

2 Installing J2534Plus Driver

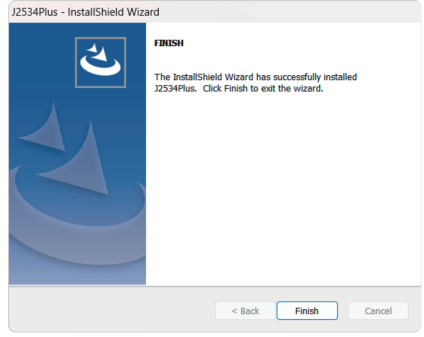
1. Go to https://thinkcar.com/downloads and select "J2534PLUS". Click on the "Download for Windows" button to download the setup file.



2. Run the setup file once download finishes. Follow the instructions and finish installation.



3. Click "Finish" to complete installation.



4. You are now ready to use J2534 diagnostics. Note: As long as J2534PLUS is installed, the program does not need to be running for J2534 diagnostics to work

Note: When updating your J2534Plus driver to a newer version, you need to first run the setup file to uninstall the old version. Next, run the installation again to install the newer version.

3 J2534Plus Application

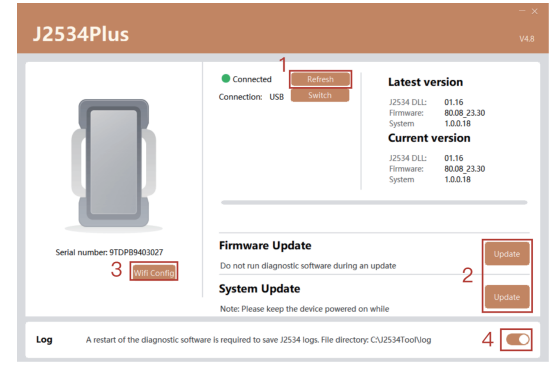
The J2534Plus program is your driver management tool. It monitors VCI connection status, checks the driver/firmware versions and handles VCI/driver updates. It is recommended to run this program after connecting your VCI so that you can confirm the connection is working and that you are using the newest software version.

Double click the desktop shortcut and run J2534Plus.exe



J2534Plus

User Interface:



1. Refresh: Refresh to check the connection between the PC and the VCI

2. Update: Download the newest version of VCI firmware or system software, and install the updates for the VCI

3. Wifi Config: Choose a wifi network and connect the VCI itself to the internet. (This will prompt the VCI to check for software updates automatically. It will also enter remote diagnostics mode. In order to exit remote diagnostics mode, restart the VCI by unpluging and reconnecting the OBD or power cord.)

*GVCI doesn't support this function.

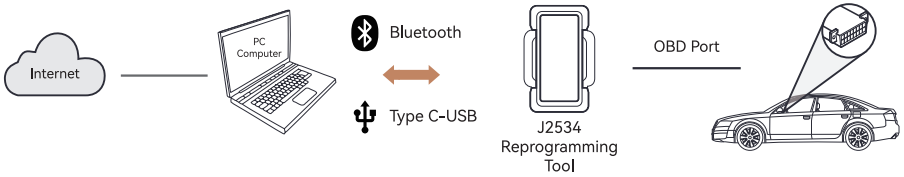
4. Logging function: Turn on the switch at the bottom to enable diagnostic session logging. The files are saved under C:\J2534Tool\log. You can send the logs to THINKCAR customer service when reporting any issue you have encountered.

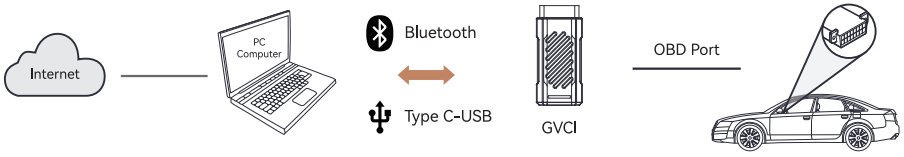
Note: Please do not run any diagnostic software during a firmware update.

4 VCI Connection Procedure

You can connect the PassThru device in three ways: USB (Serial) , Bluetooth, and WiFi. (Note: GVCI currently don't support WiFi connection.)

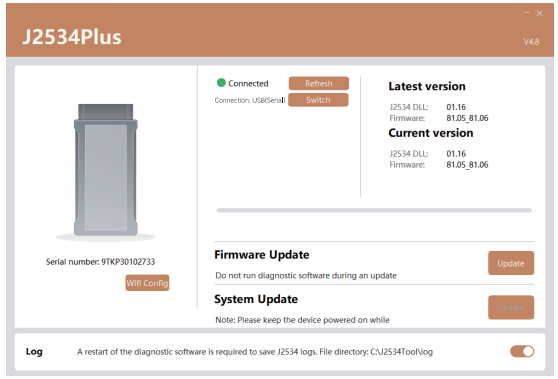
USB & USB (Serial):





1. Connect the your VCI as shown in the diagram above.

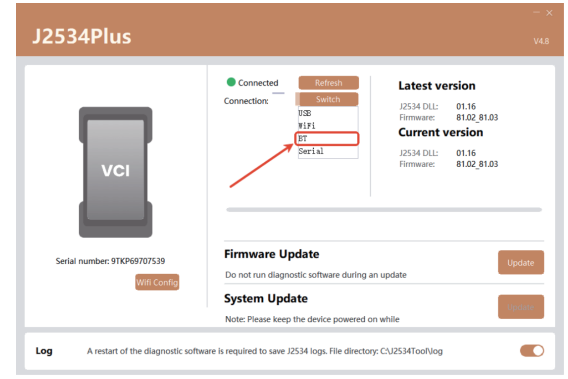
2. Start the J2534Plus application and check the connection status. The interface should look like this:



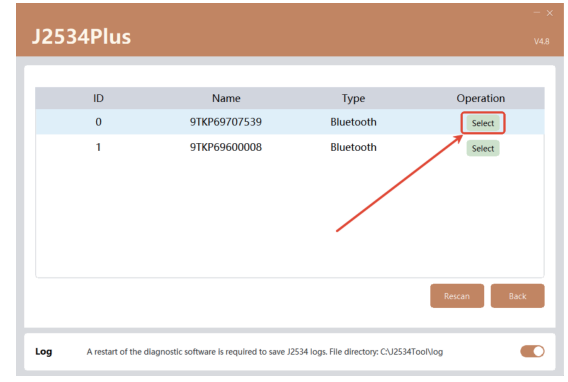
Note: For GVCI, the USB serial port connection will be automatically configured. For ThinkLink serie VCIs the default is USB connection. Make sure the VCI is connected and is using the latest version software. The J2534Plus application does not have to be running for it to work.

Bluetooth connection:

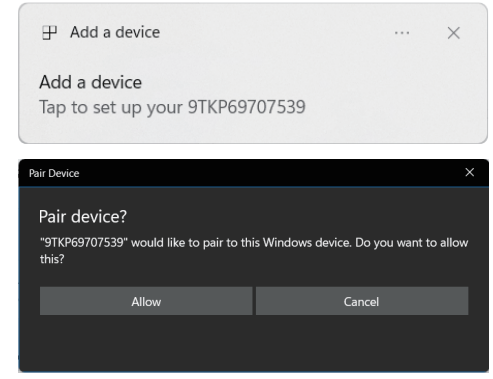
1. Connect the VCI using the USB cable first. Next, click on the "Switch" button and choose "BT" from the dropdown menu.



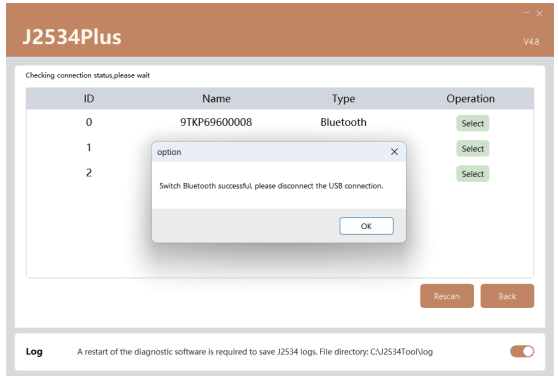
2. Select the bluetooth device that matches your VCI's serial number.



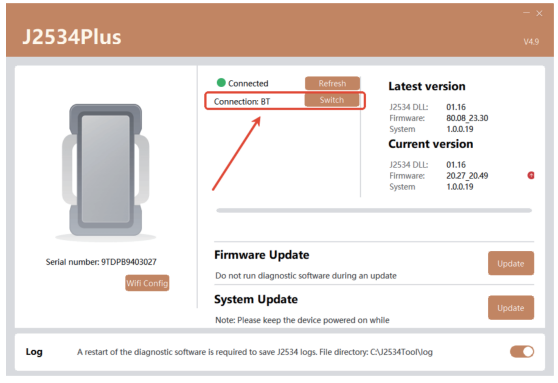
3. Follow the prompts on your PC to add the VCI as a bluetooth device.



4. This pop-up window confirms that bluetooth connection is successfully established. Please disconnect the USB cable before clicking "OK".



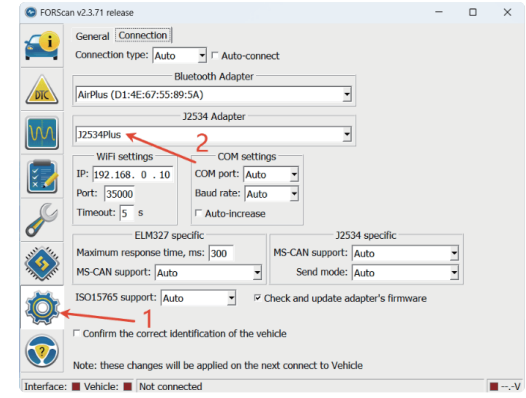
5. After clicking "OK" on the previous prompt, you will return to the main interface. After a few seconds, the connection method should be "BT". Now you can start diagnosing your cars.



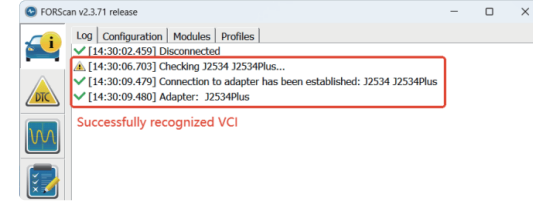
5 OE software settings

After connecting the VCI, please confirm that the J2534 related settings are done properly according to the instructions from the software manual or the OEM. Here is an example using FORScan.

1. Start FORScan, navigate to the "Settings" menu. Change the J2534 Adapter to "J2534Plus"



2. Now, return to the first item on the menu "Vehicle and interface information". Click the "Connect to vehicle" button on the bottom. The diagnostic software should be able to recognize J2534Plus driver and the VCI

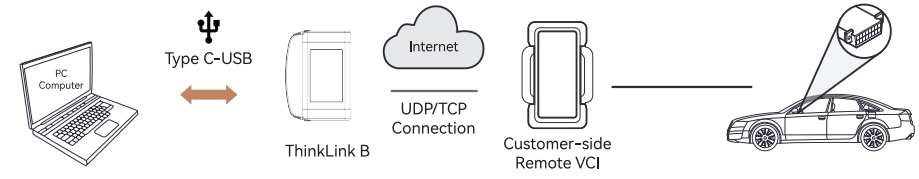


6 Remote J2534 Diagnostics

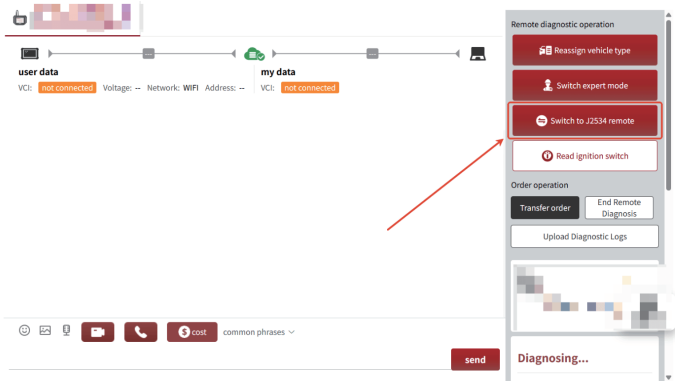
1. Make sure your ThinkLink B remote service box is connected to the internet, as well as your customer's remote diagnostics VCI.

2. As shown in the picture below, connect the PC to your ThinkLink B remote service box using a USB cord through the I/O port. Then instruct the customer to turn on ignition switch and connect the VCI to the vehicle's OBD port.

3. Make sure both VCIs are connected properly and under Remote Diagnostics Mode.



4. Go to the ThinkLink remote diagnostics platform, complete the remote diagnostics connection, and then choose "Switch to J2534 remote".



5. Follow the prompts and set up the remote J2534 configuration. Wait until the remote connection has been re-established.

7 Vehicle/Software Coverage List

Note: If the diagnostic software is not compatible with the J2534 standard, it can not be used with J2534 Pass-Thru devices. The supported software include but are not limited to all the ones listed in the coverage list shown below. If you have any questions or have ran into any J2534 Pass-Thru related issue, please contact Customer Support. We welcome detailed feedback on your user experience so we can continue to improve our tools.

Brands	Applicable model-brands	PC Software	Supported
GM	Buick, Chevrolet, SAIC-GM, Cadillac	GDS2	YES
Ford	All	Forscan	YES
FCA	Chrysler, Jeep, Dodge	Witech2.0	YES
VAG	Volkswagen,FAW-Volkswagen, SAIC Volkswagen, Volkswagen CV, Seat, Bugatti, Audi, Skoda, Bentley, Lamborghini	ODIS	YES
BMW	BMW, BMW Brilliance, MINI, Rolls-Royce	ISTA-D/P	YES
Mercedes-Benz	Mercedes-Benz, Maybach, smart 1	Xentry Pass-Thru	YES
VOLVO	VOLVO	VIDA2024	YES
Toyota	Toyota, GAC Toyota, Lexus, Scion	Techstream	YES
		GTS+	YES
Honda	Honda, Acura, GAC Honda, Donafena Honda	i-HDS	YES
Subaru	Subaru	SSM4	YES