J2534 Reprogramming Working Flow

Internet

PC Computer

Install

Interface Driver

Interface Driver and J2534 DLL (Compliant with SAE J2534 standard
DLL dynamic link library file) are integrated in the THINKLINK installation file.
Download address: www.thinkcar.com
For the detail install steps, please refer to the part one.

J2534 DLL

Reprogramming Procedure

End-user purchases it from the original car factory. Before performs the reprogramming operation, please confirm whether the current vehicle model is supported first.
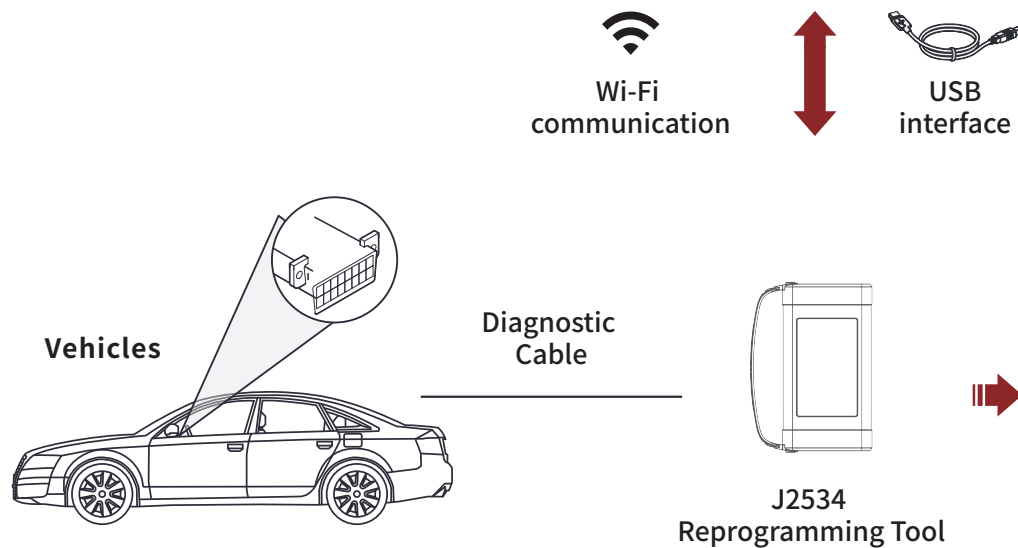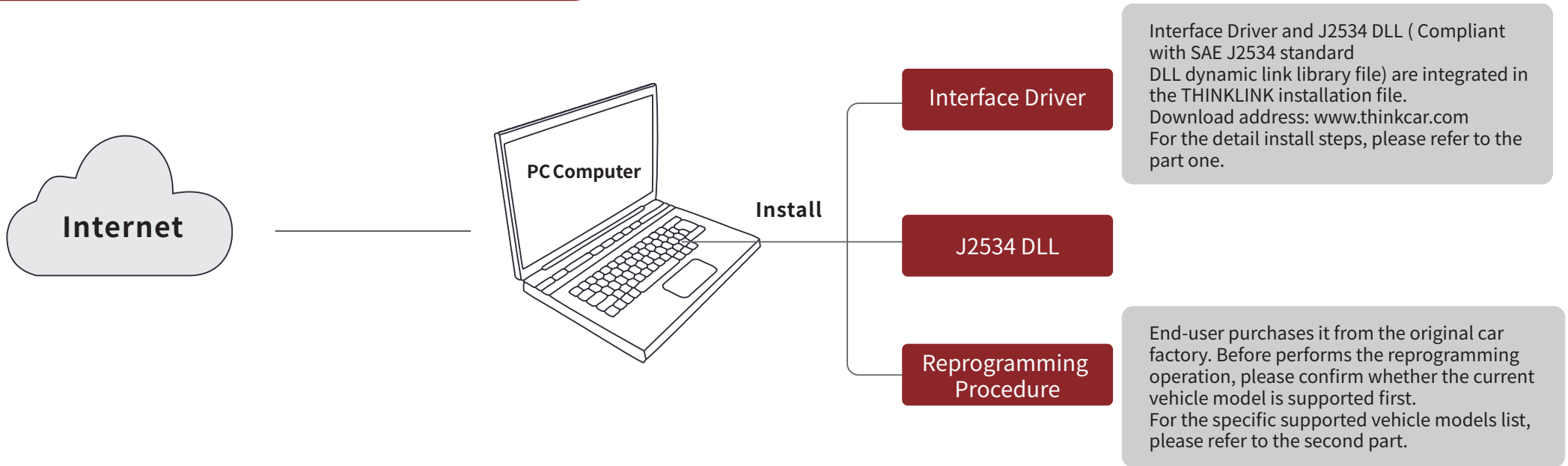For the specific supported vehicle models list, please refer to the second part.

Wi-Fi communication

USB interface

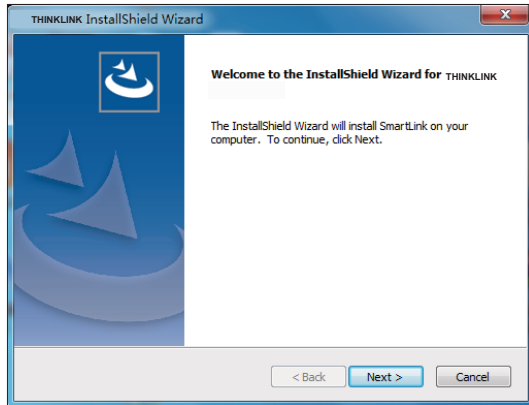* Remarks: PC and J2534 programming tool support two communication methods:
- Wi-Fi communication- When using this communication method, PC shall be connected with wireless network card and perform corresponding communication information settings (for specific setting methods, please refer to Section 3).
- USB communication- When using this communication method, please connect USB cable to J2534 programming tool and PC.

Vehicles

Diagnostic Cable

J2534 Reprogramming Tool
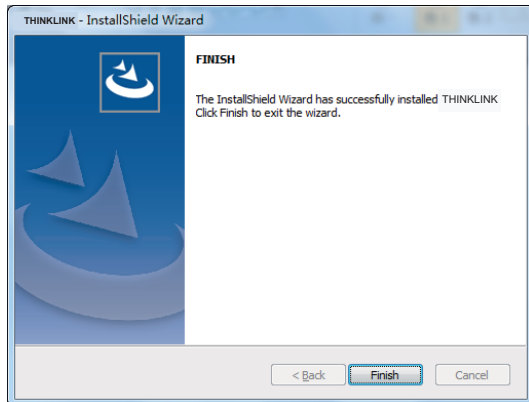
The supported diagnostic protocols:

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

1.THINKLINK Install

1. Visit www.thinkcarus.com to download ThinkLink tools.

2. After the download is complete, decompress the driver installation package. There are driver installation package compressed files and operation manuals in the compressed package.

3. Click ThinkLink.exe in the compressed package, and click [Next] to start the installation.

4. Follow the screen prompts to install, until the following interface appears.

5. Click [Finish] to confirm the installation is complete. The ThinkLink icon will appear on the computer desktop accordingly.

The J2534 reprogramming operation can be performed then.

2. Supported Vehicles

The list of supported vehicle models mainly depends on whether the original software used by the user can support the J2534 protocol, and currently ThinkLink J2534 has developed and supported diagnostic protocols. The following are for reference only. For details, please refer to the relevant official technical/after-sales related website of the vehicle.

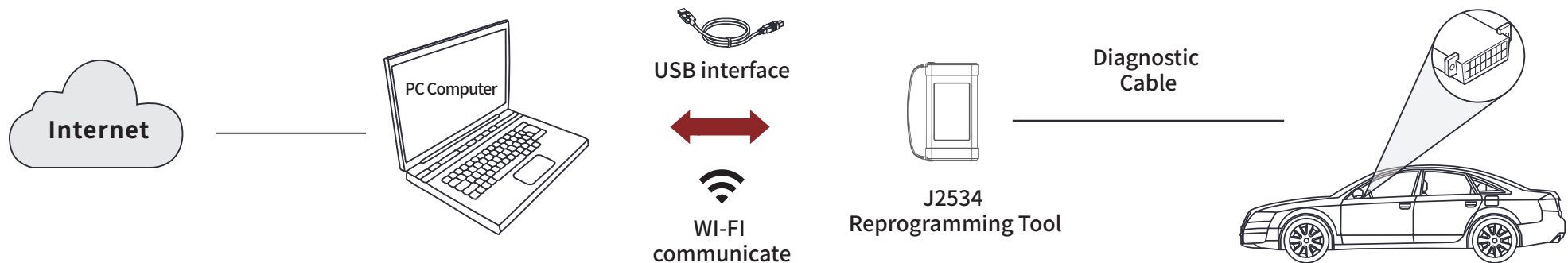|	Software	Brand	Vehicle Model
Software Supported Vehicles	TIS(TOYOTA Techstream)	TOYOTA	Toyota, Lexus, Sean
	HDS(HONDA Diagnostic System)	HONDA	Honda, Acura
	Volvo VIDA	VOLVO	Volvo
	ODIS	VW	Imported Volkswagen, FAW-Volkswagen,Shanghai Volkswagen, Audi, Seat,Skoda, Bentley, Lamborghini
	ISTA	BMW	BMW
	IDS/FDRS	Ford	ford
	SUBARU SSM4	SUBARU	Subaru
	GDS2	GM	GM, Opel, Saab, Chevrolet, Cadillac
	WiTech 2.0	Chrylser	Chrysler
	Xentry	Benz	Benz
	SDD	Land Rover/ JAGUAR	Land Rover, Jaguar
Supported Function	Depends on the original software function		

3.Wi-Fi communication settings

When using this communication method, the PC computer must be equipped with dual network cards, one USB external network card is connected to the J2534 programming tool hotspot network for communication, and the other (computer built-in) network card is used to connect the network to make the PC computer networked. The detail setting steps are as follows:

1. Insert the USB wireless network card into the computer USB interface, and then open the wireless network card that comes with the PC. Power on the VCI device, and the POWER indicator will light up.

2. Click the wireless network icon in the lower right corner of the Windows desktop, if there are two "WLAN" (Windows10 operating system, as shown in the picture below), or two "wireless network connection" (Windows7 operating system), it means that the dual network card is working normally .

3. Set the wireless network card (such as WLAN) that comes with the PC to connect to the Wi-Fi hotspot that can access the Internet.

4. Select another wireless network card (such as WLAN2) to connect to the Wi-Fi hotspot of the VCI device (the name of the Wi-Fi hotspot is product serial number 98XXXXXXXXX, where "XXXXXXXX" represents 10 characters. The serial number can be found on the back of the device label). Enter the default password: 12345678.

5. After connecting to the Wi-Fi hotspot of the VCI device, the prompt message as shown below will appear.
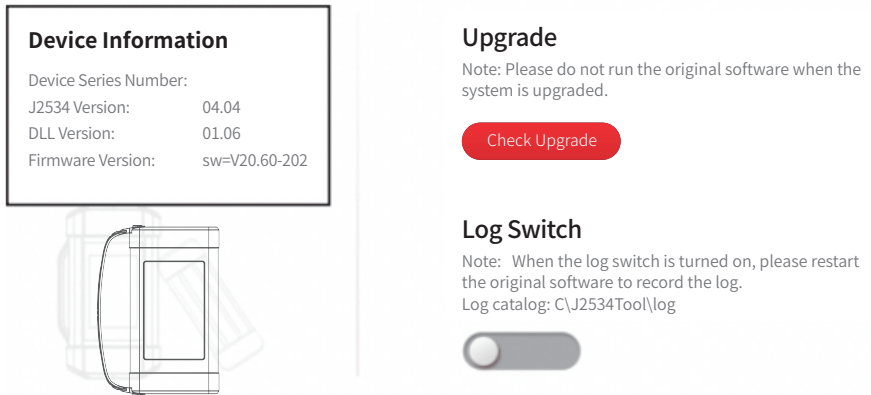
4.Start Reprogramming

1. Connect and set up as shown in the picture below.
2. Run the original software on the PC.
3. If the selection of VCI device appears on the original software, please select [ThinkLink] (if no need to select, please follow the screen prompts directly), and then follow the screen prompts to operate.
*Note: When used with the original diagnostic software, the ThinkLink device can not only be used as a J2534 programming device, but also can be used as a VCI device. Users can read DTCs, clear DTCs, and read data streams.

Internet — PC Computer

USB interface

WI-FI communicate

J2534 Reprogramming Tool

Diagnostic Cable

5.Upgrade

1. Connect the J2534 programming device to the PC.
2. Double-click to run the ThinkLink tool on the desktop, and the following interface will pop up:

Device Information

Device Series Number:
J2534 Version: 04.04
DLL Version: 01.06
Firmware Version: sw=V20.60-202

Upgrade

Note: Please do not run the original software when the system is upgraded.

Check Upgrade

Log Switch

Note: When the log switch is turned on, please restart the original software to record the log.
Log catalog: C\J2534Tool\log

3. Click [Check Upgrade], the system starts to check whether there is an updated version. If there is an updated version, the system will automatically upgrade to the latest version.
*Note: Please do not run the original software when the system is upgraded.

4. If there is a problem during use, please turn on the [Log switch], and then restart the original software to record the log.