User Manual

XPortal Wireless Diagnostics Dongle

Shenzhen Xtooltech Intelligent Co., Ltd.

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All information, specifications and illustrations in this manual are based on the latest information available at the time of printing.

Xtool reserves the right to make changes at any time without notice. While information of this manual has been carefully checked for accuracy, no guarantee is given for the completeness and correctness of the contents, including but not limited to the productspecifications, functions, and illustrations.

Xtool will not be liable for any direct, special, incidental, or indirect damages, or for any economic consequential damages (including the loss of profits) as a result of using this product.

※ Before operating or maintaining this unit, please read this manual carefully, please pay extra attention to the safety warnings and precautions.

Support & Service

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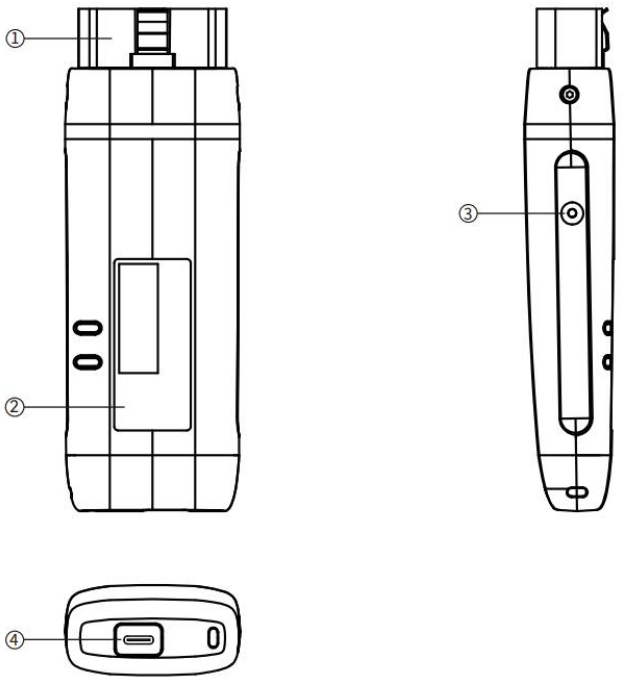
Catalogue

1 General Introduction

1.1 Outlook & Ports



1. OBDII-16 port: Connect to vehicle's DLC port.
2. Nameplate: Show device information.
3. DC Port: Providing 12V external power supply.
4. Type-C Port: Connect the device to diagnosis PC via wire.

1.2 Specifications

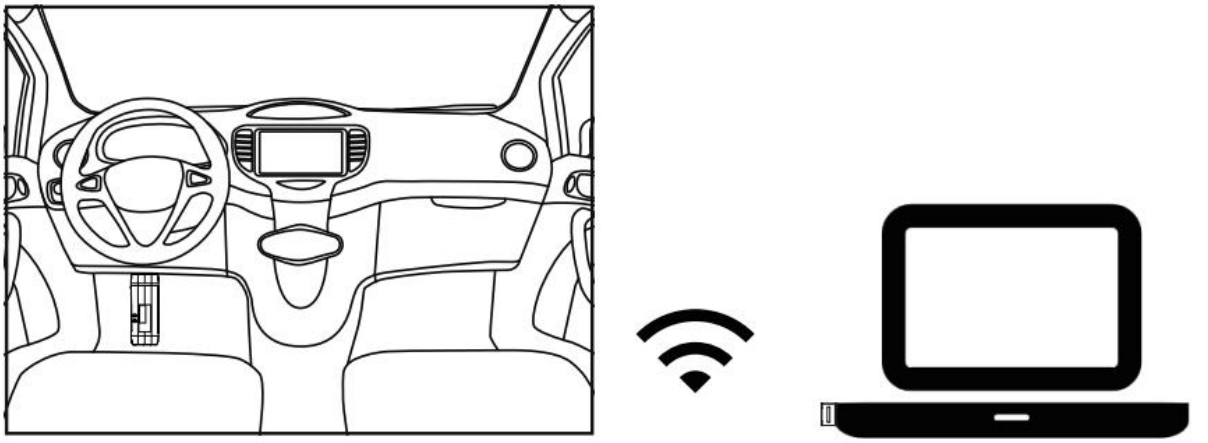
Operating temperature： 0~40℃

Dimensions (W x H x D)：135.0 × 47.20 × 24.2（mm）

2 Getting Started

2.1 Vehicle Connection

2.1.1 Wireless Connection



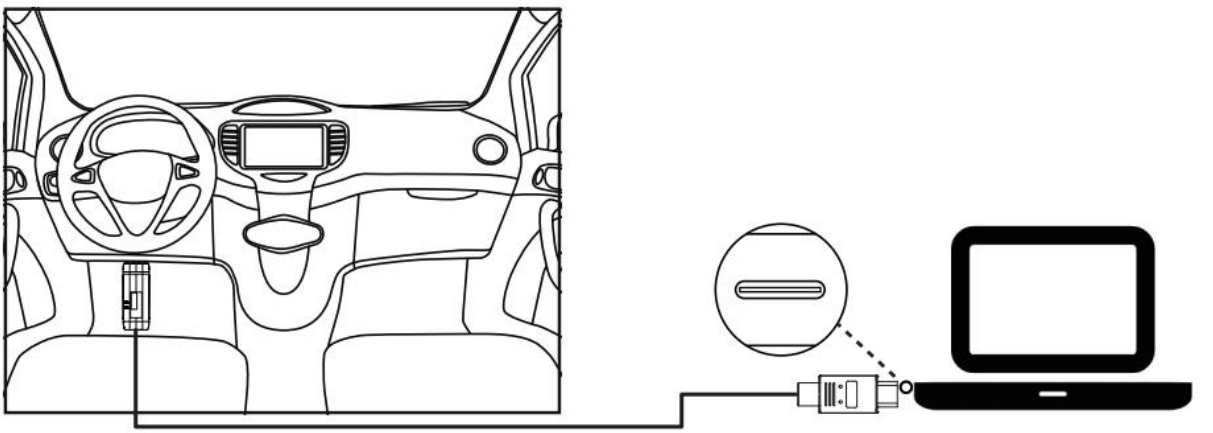
1. Connect OBDII-16 port of VCI Box to vehicle’s DLC port.

2. Plug the USB wireless receiver into the USB port of the PC.

3. Go to Wi-fi selection page of your PC. Select "WLAN 2", and search for the Wi-Fi hotspot that has the same name as the SN of the device.

4. Once the hotspot is connected, your PC has established connection with the device.

2.1.2 Wired Connection



1. Connect OBDII-16 port of VCI Box to vehicle’s DLC port.

2. Connect the VCI and the diagnostic PC with a USB Type-C cable.

2.2 Precautions for Diagnosis

1. The voltage range on the car: +9~+36V DC;

2. When testing some special functions, the operator must operate according to the prompts and meet the test conditions. In some cases, the conditions that need to be met are: engine water temperature 80 ℃~105 ℃, turn off headlights and air conditioners, keep the accelerator pedal in the released position, etc.;

3. The electronic control systems of different models are very complicated. If you encounter situations where it is impossible to test or a large amount of test data is abnormal, you can search for the ECU of the vehicle and select the menu for the model on the ECU nameplate;

4. Only wiring harnesses provided by XTOOL and designed for the device are permitted to be used with this device to avoid damage to the vehicle or the device;

5.When running a diagnostics session, DO NOT shut down the device directly. You should cancel the task before returning to the main interface and then shutting down the device.

2.3 About J2534 Toolbox

J2534 Toolbox is a PC application that manage the updates and operation logs for all VCIs that supports J2534 function. Before you start working on diagnostics with your PC, make sure you have the J2534 Toolbox installed.

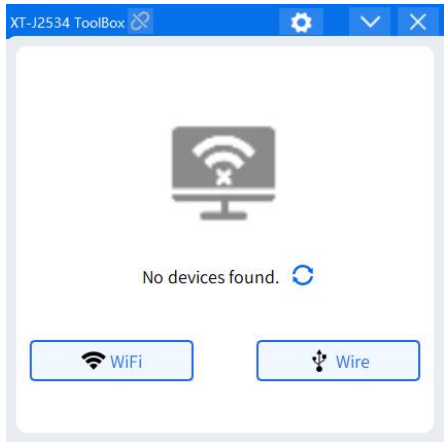
2.3.1 Installation

Scan the QR code on the right, or go to:
https://www.xtooltech.com/english/DownloadCenter.html
And find “J2534 Toolbox” for the installation pack.

After the download is completed, unzip it and click “Setup.exe”, then follow the installation process. We suggest you to restart your PC after installation.

2.3.2 How to Use

The picture on the right shows the main screen of the J2534 Toolbox when the VCI is not connected to the diagnostic PC.



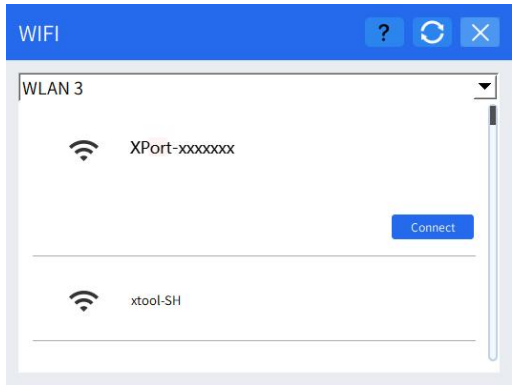
Device Connection - Wired

Directly connect the VCI to the diagnostic PC via USB cable. The Toolbox will automatically detect the device when you connect it.

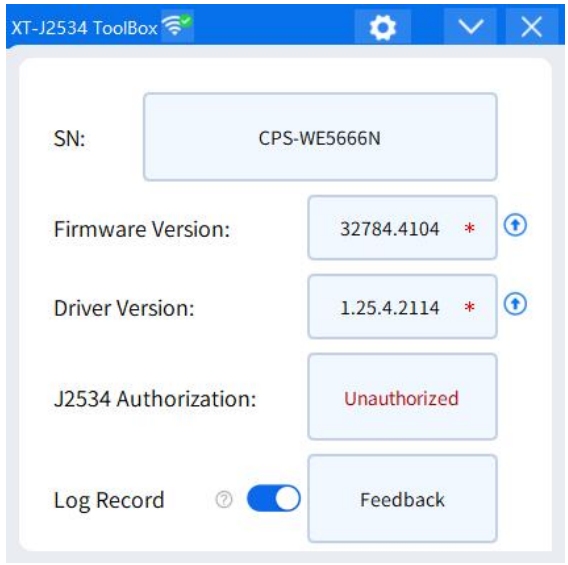
If the status has not been refreshed after you connect the VCI via wire, click the Refresh button to try again.

Device Connection - Wireless

1. Plug in the WiFi Receiver that comes with the VCI box.
2. Click the WiFi button on the bottom-left corner and select “WLAN 2” (or other numbers)
3. Find the hotspot that names the same as the SN of the VCI box and click “Connect”.
4. When the connection is ready, you are OK to go.



Main Screen



When the VCI is connected, you will see this screen:

SN: Shows the SN of the current VCI.

Firmware Version: Shows current firmware version that is installed on the VCI.

Driver Version: Shows current driver version that is installed on the VCI.

J2534 Authorization: Shows the VCI authorization status of current VCI.

Log Record: Turn on/off the J2534 communication logs recording.

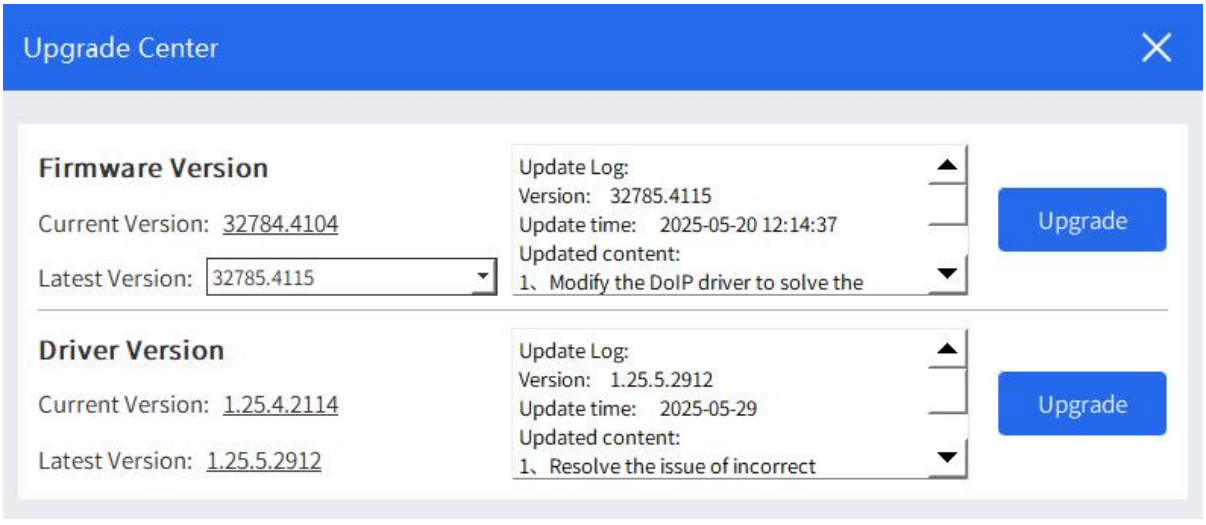
Feedback: Send feedback to XTool customer service team when you meet any issues regarding the J2534 connection.

Firmware/Driver Update

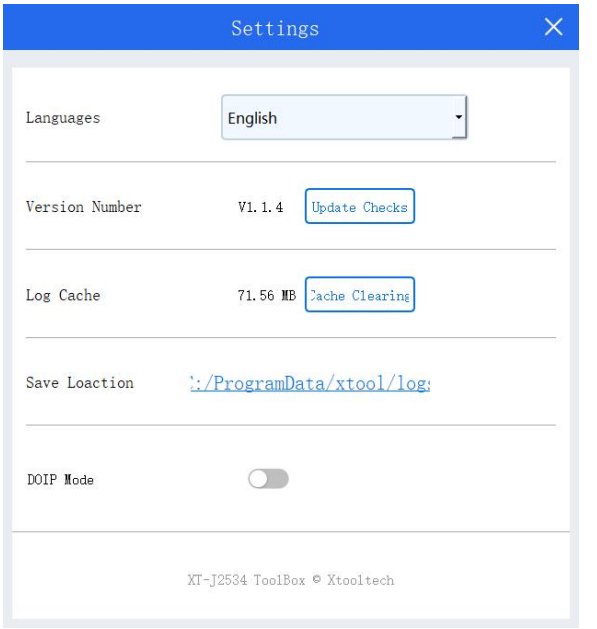
If there is an update for the firmware or the driver, you will see a red dot beside the version number. Click the Update button on the right to check updates.

You can choose the version first, and click “Upgrade” button on the right to start updates.

DO NOT DISCONNECT THE VCI WHEN THE UPDATE IS IN PROGRESS!



Settings



Click the “Settings” button on the top-right corner and go to the Toolbox settings.

Languages: Click to change language shown on the Toolbox.

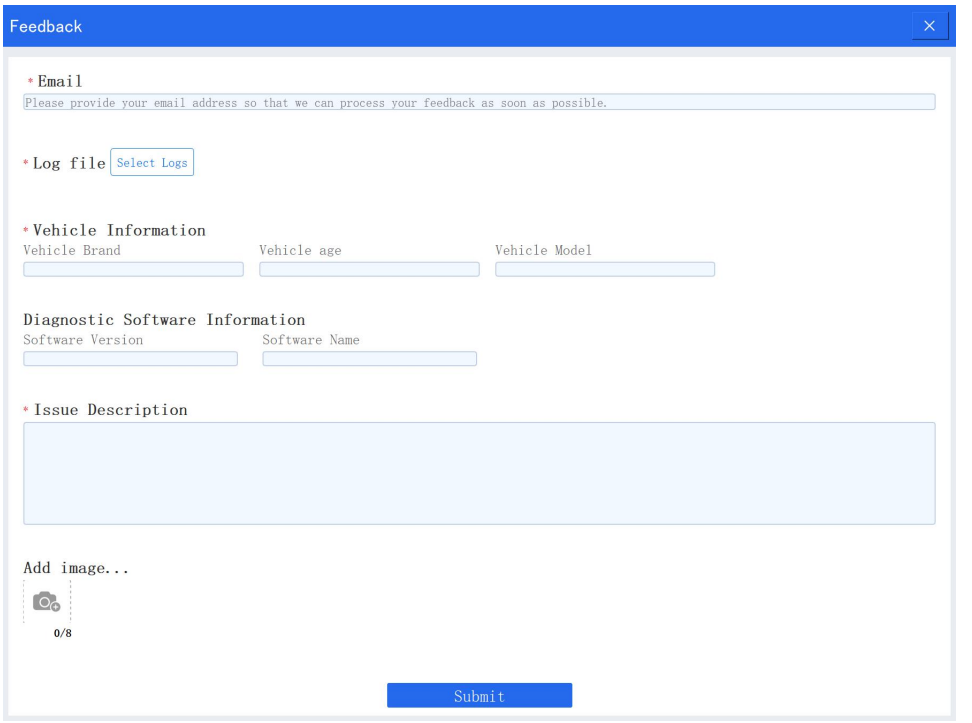
Version Number: Check the updates of the Toolbox.

Log Cache: Show the size of the log folder. You can click the button on the right to clear all logs.

Save Location: This shows the location of the log folder. You can click this to get into the folder.

DoIP Mode Switch: When there are cases that the vehicle asks for a DoIP connection, please turn on the switch to enable DoIP mode. Please note that the DoIP mode can only be enabled in wired connection.

Feedback



If you meet any issues regarding J2534 connection, please record the logs (turn on the log recording switch) and send the logs to XTool customer service team.

To better locate your problems, we need the following information in the report:

- Your email address
- Log files, recorded when the issues happened
- Vehicle information (brand, model, MY)
- Firmware/Driver version info
- A brief description on what is going on (you can also attach images & screenshots)

Our customer service team will handle this and reply to you via email.

Compliance Information

FCC Compliance

FCC ID: 2AW3IV220
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1) This device may not cause harmful interference

2) This device must accept any interference received, including interference that may cause undesired operation.

Warning
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
Note
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment can generate, use and radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Responsible Party
Company Name: FCC US Agent, LLC
Address: 3722 Illinois Avenue, Saint Charles, IL, 60174, USA
Email: Support@FCCUSAgent.com

ISED Statement

IC: 29441-V220
Model: XPortal
PMN: Wireless Diagnostics Dongle, Vehicle Communication Interface
HVIN: V220
English:This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.
CAN ICES (B) / NMB (B).
French: Cet appareil contient des émetteurs/récepteurs exempts de licence qui sont conformes aux RSS exemptés de licence d'Innovation, Sciences et Développement économique Canada.
L'exploitation est soumise aux deux conditions suivantes :
(1) Cet appareil ne doit pas provoquer d'interférences.
(2) Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.
This device meets the exemption from the routine evaluation limits in section 6.6 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance.
cet appareil est conforme à l'exemption des limites d'évaluation courante dans la section 6.6 du cnr - 102 et conformité avec rss 102 de l'exposition aux rf, les utilisateurs peuvent obtenir des données canadiennes sur l' exposition aux champs rf et la conformité.
This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment.
Cet équipement est conforme aux limites d'exposition aux rayonnements du Canada établies pour un environnement non contrôlé.
The device for operation in the band 5150–5350 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.
L'appareil destiné à fonctionner dans la bande 5150-5350 MHz est uniquement destiné à une utilisation en intérieur afin de réduire le potentiel d'interférences nuisibles aux systèmes mobiles par satellite cocanaux.
This radio transmitter has been approved by Industry Canada to operate with the antenna types listed with the maximum permissible gain indicated. Antenna types not included in this list, having again greater than the maximum gain indicated for that type, are strictly prohibited foruse with this device.
Le présent émetteur radio a étéapprouvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.
Informations sur le débit d'absorption spécifique (DAS) :
Cet appareil répond aux exigences du gouvernement en matière d'exposition aux ondes radio. Les lignes directrices sont basées sur des normes qui ont été élaborées par des organisations scientifiques indépendantes au moyen d'une évaluation périodique et approfondie des études scientifiques. Les normes comprennent une marge de sécurité substantielle conçue pour assurer la sécurité de toutes les personnes, indépendamment de leur âge ou de leur état de santé. Renseignements et déclaration sur l'exposition aux RF d'ISDELA limite de DAS du Canada (ISDE) est de 1,6 W/kg en moyenne sur un gramme de tissu. Types d'appareils : L'appareil a également été testé par rapport à cette limite DAS. Cet appareil a été testé pour des opérations typiques portées sur le corps avec l'arrière du appareil maintenu à 0 mm du corps. Pour maintenir la conformité aux exigences d 'exposition RF d'ISDE,

utilisez des accessoires qui maintiennent une distance de séparation de 0 mm entre le corps de l'utilisateur et l'arrière du appareil. L'utilisation de clips de ceinture, d'étuis et d'accessoires similaires ne doit pas contenir de composants métalliques dans son assemblage. L'utilisation d'accessoires qui ne satisfont pas à ces exigences peut ne pas être conforme aux exigences d'exposition aux RF d'ISDE et doit être évitée.

CE

Declaration of conformity
Hereby, Shenzhen XTOOLtech Intelligent Co., Ltd declares that this Wireless Diagnostic Module is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. In accordance with Article 10(2) and Article 10(10), this product allowed to be used in all EU member states.

UKCA

Hereby, Shenzhen XTOOLtech Intelligent Co., Ltd declares that this Wireless Diagnostic Module satisfies all the technical regulations applicable to the product within the scope of UK Radio Equipment Regulations (SI 2017/1206); UK Electrical Equipment (Safety) Regulations (SI 2016/1101); and UK Electromagnetic Compatibility Regulations (SI 2016/1091) and declare that the same application has not been lodged with any other UK Approved Body.

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