

Quick Start Guide

X2TPU Module Programmer

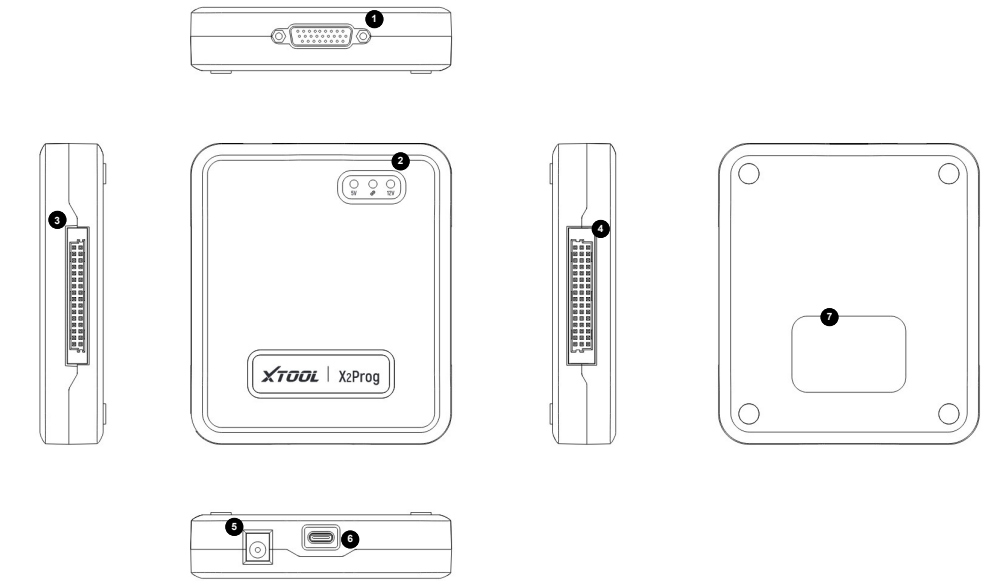
Disclaimer

Please read this manual carefully before using X2Prog Module Programmer (hereinafter referred to as X2Prog). Shenzhen Xtooltech Intelligent Co., Ltd. (hereinafter referred to as "Xtooltech") does not assume any liability in case of misuse of the product. Pictures illustrated here are for reference only and this user manual is subject to change without prior notice.

Product Description

X2Prog is a Module Programmer which can read, write and modify EEPROM and MCU chip data via BOOT method. This device is suitable for professional vehicle tuners or mechanics, which provides functionalities like module cloning, modification, or replacements for ECU, BCM, BMS, dashboards or other modules. X2Prog is also capable with other expansion modules provided by Xtooltech, enabling even more functions like BENCH programming, transponder coding and much more.

Product View



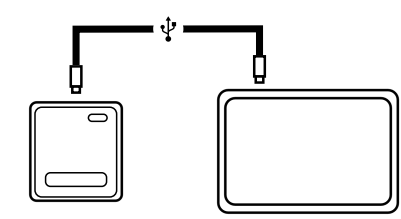
- ① DB26 Port: Use this port to connect with cables or wiring harnesses.
- ② Indicators:
5V (Red / Left): This light will be turned on when X2Prog receives 5V power input.
Communication (Green / Middle): This light will be flashing when the device is communicating.
12V (Red / Right): This light will be turned on when X2Prog receives 12V power input.
- ③④ Expansion Ports: Use these ports to connect with other expansion modules.
- ⑤ 12V DC Power Port: Connect to 12V power supply when necessary.
- ⑥ USB Type-C Port: Use this USB port to connect with XTool devices or PC.
- ⑦ Nameplate: Show product information.

Device Requirements

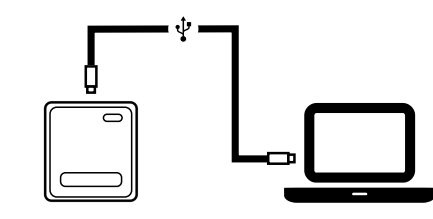
XTool devices: APP version V5.0.0 or higher;
PC: Windows 7 or higher, 2GB RAM



Device Connection

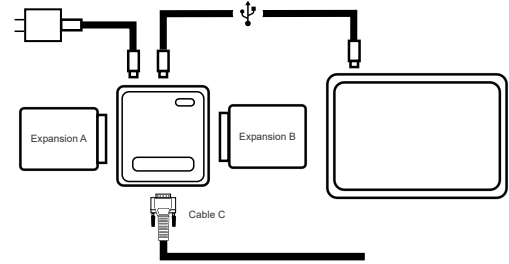


(Connect to XTool device)



(Connect to PC)

Expansion & Cable Connection



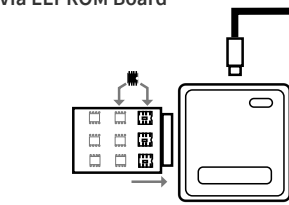
X2Prog is adapted to various expansion modules or cables for extra functions. Different modules are needed in different situations.

To install expansion modules, directly connect the modules to X2Prog using the expansion ports (32/48PIN) or the DB26 port.

Multiple expansion modules can be installed on X2Prog at the same time. When you are operating, check the device and see which modules are necessary.

How to Read & Write EEPROM

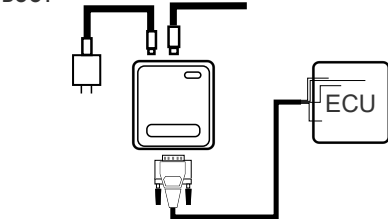
Via EEPROM Board



*EEPROM Board only comes with X2Prog standard pack.
When reading EEPROM in this method, the chip should be taken off from the ECU and needs to be soldered onto the EEPROM board.

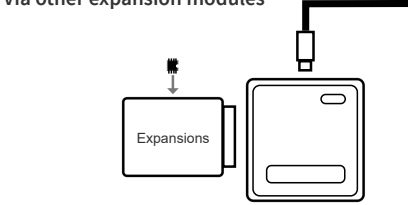
How to Read & Write MCUs

BOOT



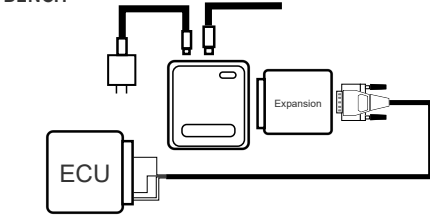
When reading MCU in this method, the wiring harness should be soldered to the ECU board according to the wiring diagram, and a 12V power supply should be connected to X2Prog.

Via other expansion modules



There are other ways to read EEPROM using expansion modules. Please check the diagrams on the app and see how you can connect to the chip.

BENCH



When reading MCU in this method, the wiring harness should be plugged to the ECU port according to the wiring diagram, and a 12V power supply should be connected to X2Prog.

Compliance Information

FCC Compliance

FCC ID: 2AW3IM603

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.

RF Exposure Warning Statements:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment shall be installed and operated with minimum distance 20cm between the radiator & body.

Responsible Party

Company name: TianHeng Consulting, LLC

Address: 392 Andover Street, Wilmington, MA 01887, United States

E-mail: tianhengconsulting@gmail.com

ISED Statement

IC: 29441-M603

PMN: M603, X2TPU

HVIN: M603

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.

This equipment complies with IC exposure limits set forth for an uncontrolled environment. This equipment shall be installed and operated with minimum distance 20cm between the radiator & body.

Cet équipement est conforme aux limites d'exposition IC définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20cm entre le radiateur et la carrosserie.

CE

Declaration of conformity

Hereby, Shenzhen XTooltech Intelligent Co., Ltd declares that this Module Programmer 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 Module Programmer 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.

Contact US



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