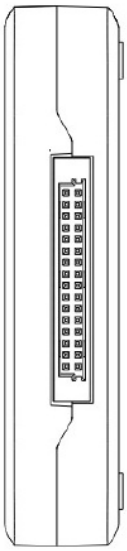
Contents [ hide ]



# XTOOL X2MBIR Module Programmer



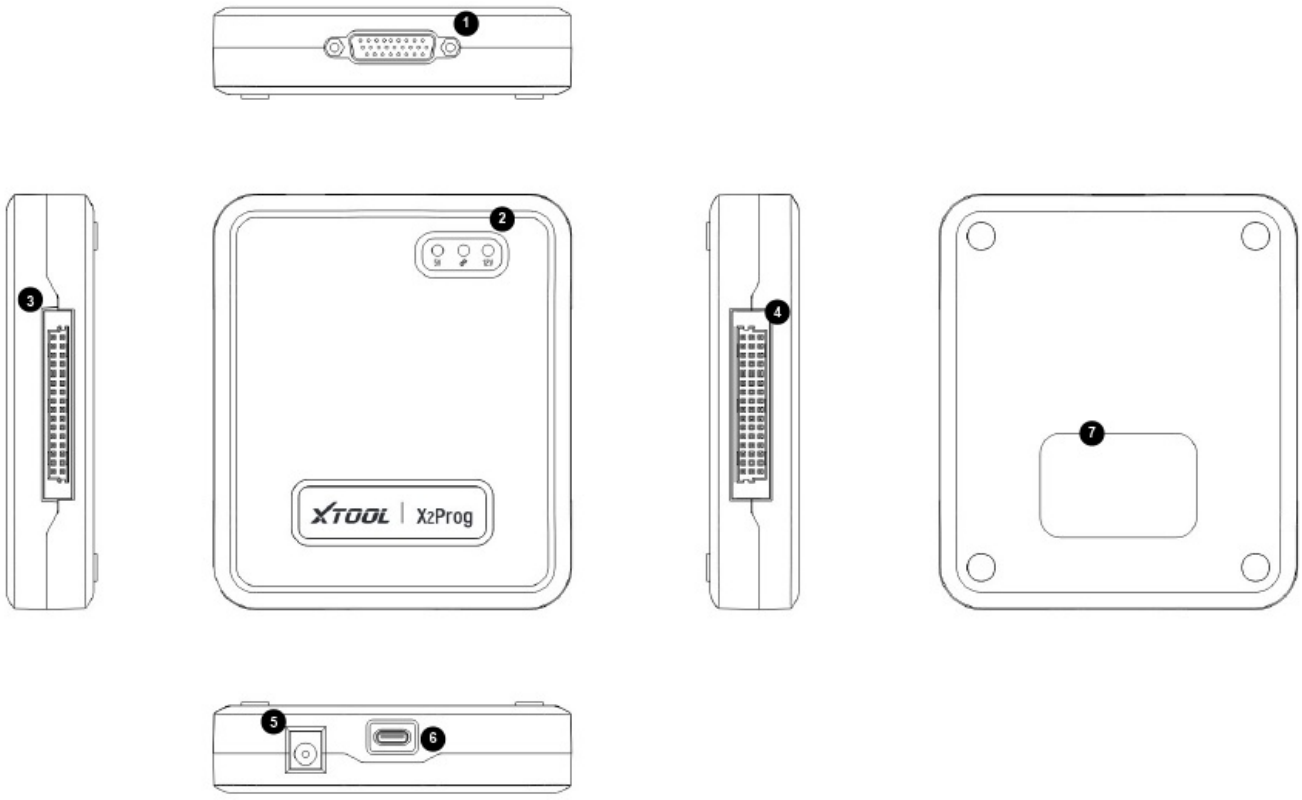
**Disclaimer**

Please read this manual carefully before using X2Prog Module Programmer (herein after referred to as X2Prog). Shenzhen Xtooltech Intelligent Co., Ltd. (herein after 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 mechanists, 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

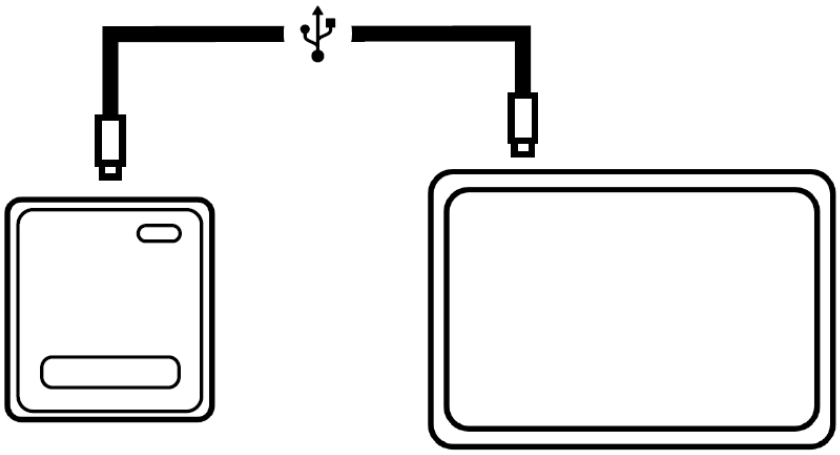
device is communicating. 12V (Red / Right): This light will be turned on when X2Prog receives 12V power input.

- ③ ④ 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.

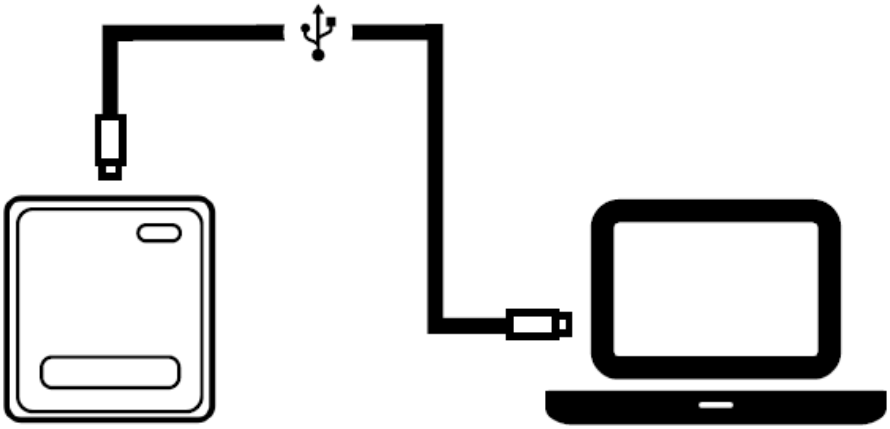
**Device Requirements**

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

## Device Connection

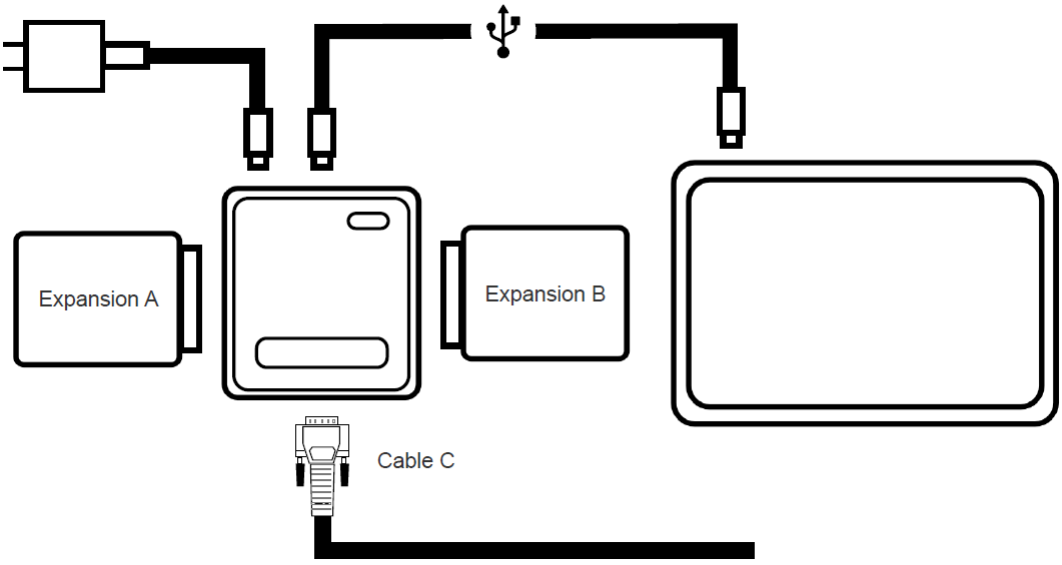


(Connect to XTool device)



(Connect to PC)

## Expansion & Cable Connection



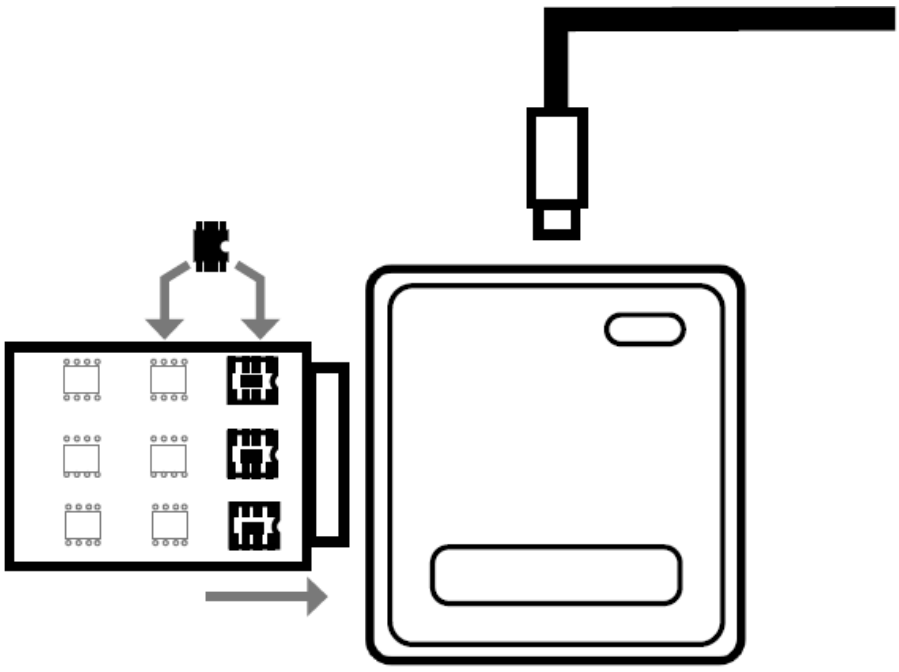

X2Prog is adapted to various expansion modules or cables for extra functions. Different modules are needed in different situations.

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

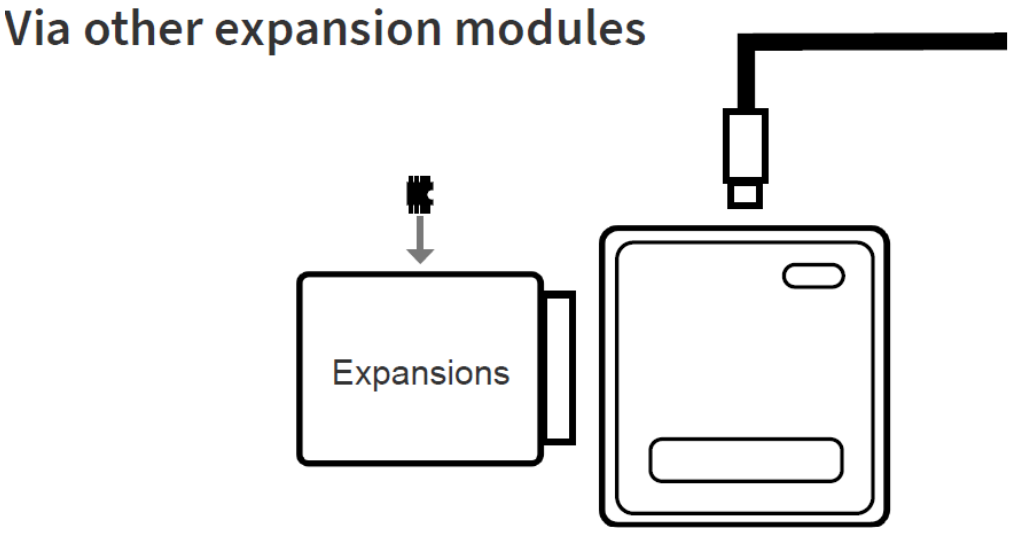
### Via EEPROM Board



*EEPROM Board only comes with X2Prog standard pack.

When reading EEPROM in this method, the chip should be taken off from the ECU and

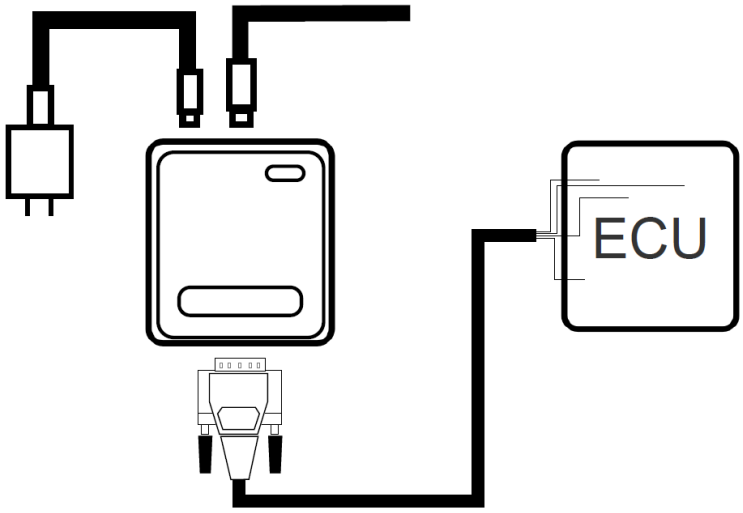
needs to be soldered onto the EEPROM board.



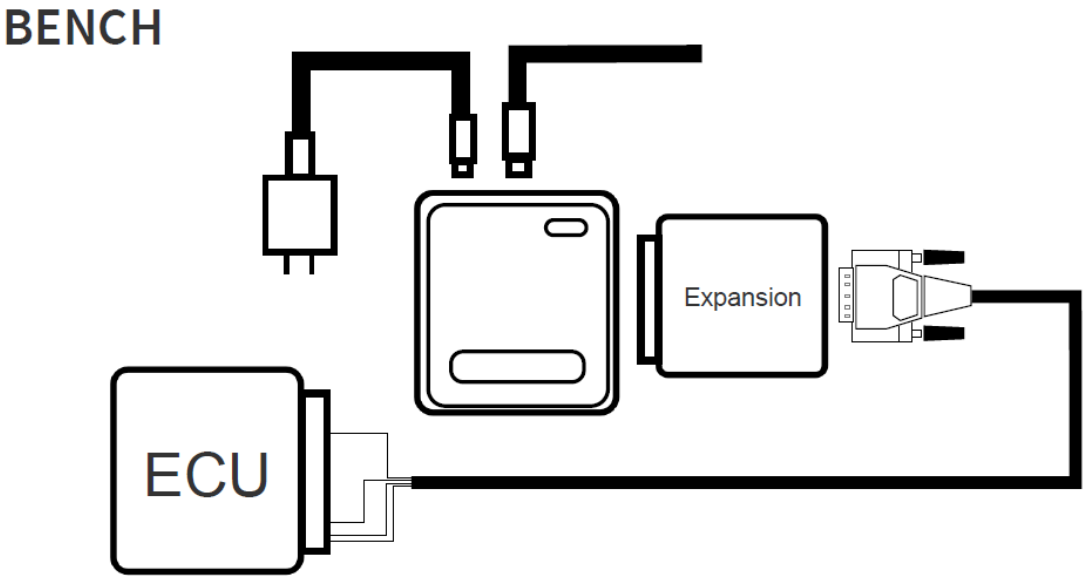

There are other ways to read EEPROM using expansion modules. Please check the diagrams on the app and see how you can connect to the chip.

## 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.




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.

**Contact US**

- **Customer Services:** supporting@xtooltech.com
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- **Corporate & Business:** marketing@xtooltech.com



**Compliance Information**

## FCC Compliance

FCC ID: 2AW3IM604
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-M604
- PMN: M604, X2MBIR
- HVIN: M604

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). CAN ICES (B) / NMB (B).
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. This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. 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.

**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.

## FAQ

- **Q: What are the device requirements for using the X2MBIR Module**

**Programmer?**

A: The X2MBIR Module Programmer requires XTool devices with APP version V5.0.0 or higher and a PC running on Windows 7 or higher with a minimum of 2GB RAM.

- **Q: How do I read and write EEPROM data with the X2Prog?**

  A: To read and write EEPROM data, use the provided EEPROM Board included in the standard pack. Remove the chip from the ECU and solder it onto the EEPROM board.

- **Q: Can I use multiple expansion modules simultaneously with the X2Prog?**

  A: Yes, multiple expansion modules can be installed on X2Prog at the same time. Ensure you connect them correctly to enhance functionality.

# Documents / Resources

| | |
|---|---|
|  | XTOOL X2MBIR Module Programmer [pdf] User Guide<br>M604, X2MBIR Module Programmer, X2MBIR, Module Programmer, Programmer |

## References

- User Manual

M604, Module Programmer, Programmer, X2MBIR, X2MBIR Module Programmer,
XTOOL XTOOL

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