# Quick Start Guide

X2MBIR 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 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
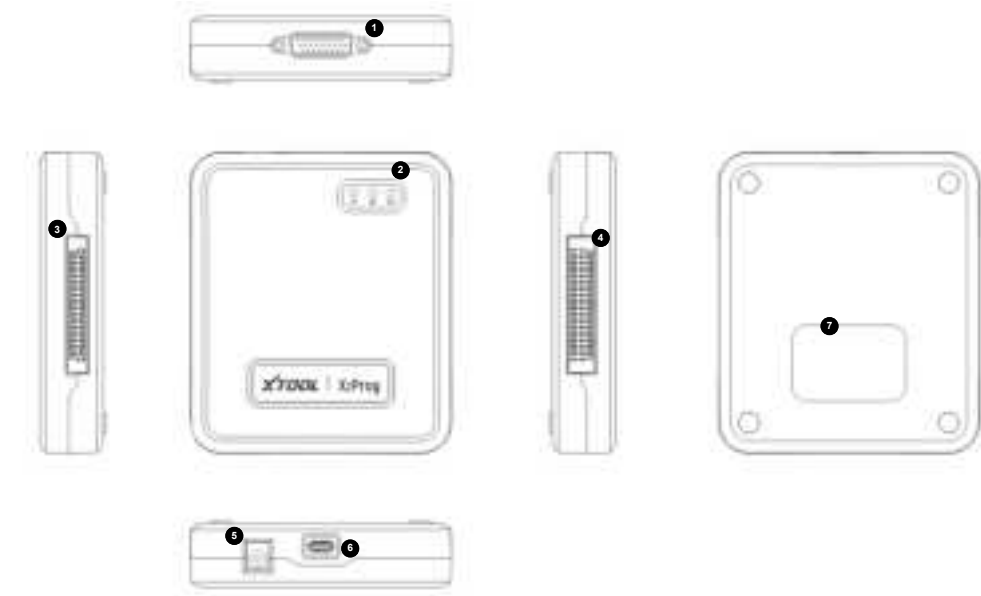
① DB26 Port: Use this port to connect with cables or wiring harnesses.
② Indicators:
5V (Red / Left): This light will be turned on when X2Prog receives 5V power input.
Communication (Green / Middle): This light will be flashing when the device is communicating.
12V (Red / Right): This light will be turned on when X2Prog receives 12V power input.
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.
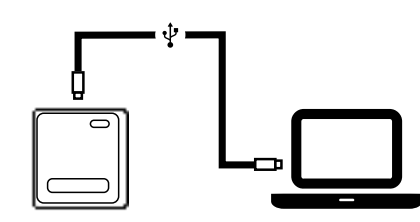⑦ Nameplate: Show product information.

Device Requirements

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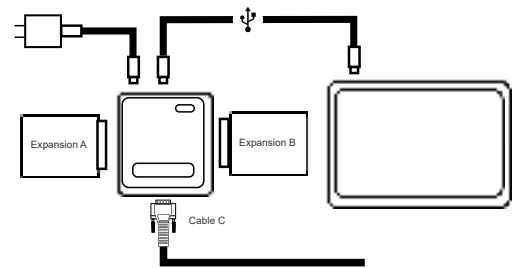PC: Windows 7 or higher, 2GB RAM

Device Connection
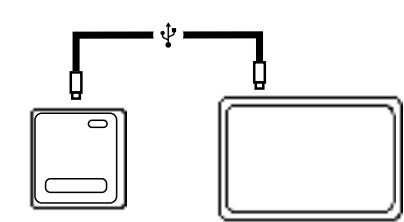
(Connect to XTool device)

(Connect to PC)

Expansion & Cable Connection

Expansion A
Expansion B
Cable C

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.
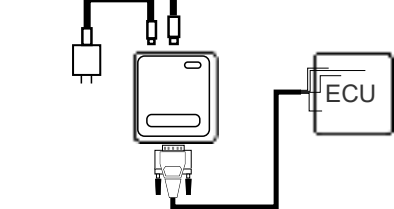
How to Read & Write EEPROM

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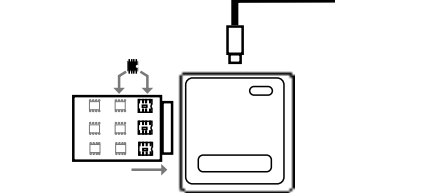
*EEPROM Board only comes with X2Prog standard pack.
When reading EEPROM in this method, the chip should be taken off from the ECU and needs to be soldered onto the EEPROM board.
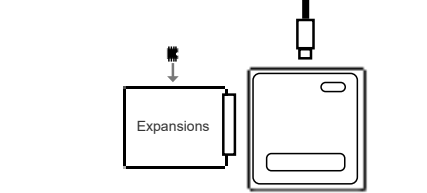
Via other expansion modules

Expansions

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.
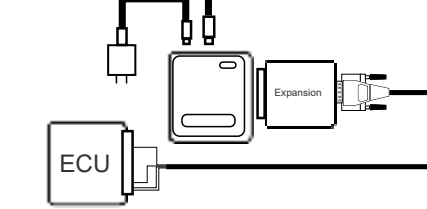
How to Read & Write MCUs

BOOT

ECU

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.

BENCH

Expansion
ECU

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

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