

Autel MaxiIM XP400 PRO Key Programmer and Diagnostic Accessory Manual

Model: XP400 PRO | Brand: Autel

The Autel MaxiIM XP400 PRO is an advanced all-in-one key programmer and diagnostic accessory kit designed to expand the capabilities of compatible Autel MaxiIM diagnostic tablets. It supports a wide range of chip types and offers enhanced functions for various vehicle brands, including BMW, Mercedes-Benz, and Audi.

This device is an accessory and must be used in conjunction with an Autel IM508S, IM608 PRO II, IM608S II, IM508, or IM608 diagnostic tablet. It provides comprehensive functionality for key programming, EEPROM data reading/writing, and other specialized immobilizer functions.



Vehicle Compatibility: The XP400 PRO supports over 3,000 chip types and offers enhanced functions for a broad range of Asian, American, and European vehicles. Specific functions may vary by vehicle make and model. Users are advised to confirm compatibility by providing their VIN to Autel support before purchase.

2. SETUP AND CONNECTIONS

2.1 Package Contents

The Autel MaxiIM XP400 PRO package includes the XP400 PRO unit and various cables and adapters necessary for connection and operation.



Included Items: The kit typically includes the XP400 PRO main unit, various EEPROM adapters, connection cables (e.g., USB cable, DB26 cable), and other necessary accessories for chip reading and key programming.

2.2 Connecting the XP400 PRO

The XP400 PRO connects to your compatible Autel diagnostic tablet via a USB cable. For chip reading and writing, specific adapters and cables are used depending on the chip type and method (e.g., EEPROM clamp, EEPROM socket, or soldering to an adaptor shell).

Video: Demonstrates three methods for reading EEPROM with the XP400 PRO, including using an EEPROM clamp, EEPROM socket, and APB129 EEPROM Adaptor Shell. This video is provided by Autel Exclusive.

Method 1: EEPROM Clamp (APA103)

1. Connect the APA103 EEPROM Clamp to the circuit board containing the EEPROM chip. Ensure the red line on the clamp aligns with pin #1 of the EEPROM.
2. Connect the other end of the clamp cable to the XP400 PRO.
3. Connect the XP400 PRO to your Autel diagnostic tablet using the provided USB cable.

Method 2: EEPROM Socket (APA002)

1. Carefully remove the EEPROM chip from the circuit board using appropriate tools (e.g., tweezers).
2. Insert the EEPROM chip into the APA002 EEPROM Socket, ensuring correct pin orientation (pin #1 alignment).
3. Insert the APA002 EEPROM Socket into the designated slot on the XP400 PRO.

4. Connect the XP400 PRO to your Autel diagnostic tablet using the provided USB cable.

Method 3: EEPROM Adaptor Shell (APB129)

1. Carefully remove the EEPROM chip from the circuit board.
2. Solder the EEPROM chip onto the APB129 EEPROM Adaptor Shell, ensuring correct pin alignment (pin #1 alignment). The APB129 supports 6-pin and 8-pin chips.
3. Insert the APB129 Adaptor Shell into the designated slot on the XP400 PRO.
4. Connect the XP400 PRO to your Autel diagnostic tablet using the provided USB cable.

Important Note: It is recommended to wear electronically insulated gloves before operation to prevent electrostatic discharge.

3. OPERATION GUIDE

Once the XP400 PRO is connected to your Autel diagnostic tablet and the chip/key is properly set up, you can proceed with various operations through the tablet's interface.

3.1 Accessing Programmer Functions

On your Autel diagnostic tablet, navigate to the 'Programmer' application. You may be prompted to accept a disclaimer regarding immobilizer functions. After accepting, you will see options for 'Chip read & write', 'Key', 'Immobilizer', 'Engine ECU', 'EEPROM', 'MCU', and more.

3.2 Chip Reading and Writing

Select 'Chip read & write' and then choose the specific chip type (e.g., EEPROM, MCU) and manufacturer from the displayed list. Follow the on-screen instructions to read or write data to the chip.

3.3 Key Programming and Learning

The XP400 PRO, in conjunction with your Autel tablet, supports key programming and learning functions. This includes reading/writing/learning keys and FOBs, as well as working with EEPROM data for immobilizer systems. The device supports over 3,000 chip types for these operations.



Enhanced Functions: The XP400 PRO offers enhanced functions for specific brands like BMW, Mercedes-Benz, and Audi, providing advanced capabilities beyond standard key programming.

4. MAINTENANCE

To ensure the longevity and optimal performance of your Autel MaxiIM XP400 PRO, regular maintenance is recommended.

- **Software Updates:** Regularly check for and install software updates for both your XP400 PRO and the connected Autel diagnostic tablet. Updates often include new vehicle coverage, bug fixes, and improved functionalities.
- **Cleaning:** Keep the device and its accessories clean and free from dust and debris. Use a soft, dry cloth for cleaning. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the XP400 PRO and its accessories in the provided protective case when not in use to prevent damage.
- **Cable Care:** Handle all cables and connectors with care to prevent bending, twisting, or damage to the pins.

5. TROUBLESHOOTING

If you encounter issues while using the Autel MaxiIM XP400 PRO, consider the following troubleshooting steps:

- **Connection Issues:** Ensure all cables are securely connected to the XP400 PRO, the diagnostic tablet, and the vehicle/chip. Try using a different USB port or cable if available.
- **Software Not Responding:** Restart both the XP400 PRO (if applicable) and the diagnostic tablet. Ensure the tablet's

software is up to date.

- **Chip Reading/Writing Errors:** Double-check the chip's orientation in the adapter/socket. Verify that the correct chip type and manufacturer are selected in the software. Ensure proper soldering if using an adaptor shell.
- **Vehicle Compatibility:** Confirm that the specific function you are attempting is supported for your vehicle's make, model, and year. Contact Autel support with your VIN for detailed compatibility information.
- **Power Supply:** Ensure the diagnostic tablet has sufficient battery charge or is connected to a power source during critical operations.

6. SPECIFICATIONS




| Feature | Specification |
|----------------------|---|
| Brand | Autel |
| Model | XP400 PRO |
| Item Weight | 3.3 pounds |
| Package Dimensions | 9.84 x 5.91 x 3.94 inches |
| UPC | 849438083427 |
| Automotive Fit Type | Vehicle Specific Fit |
| Supported Chip Types | 3000+ (EEPROM, MCU, etc.) |
| Compatibility | Autel IM508S, IM608 PRO II, IM608S II, IM508, IM608 |




7. WARRANTY AND SUPPORT

The Autel MaxiIM XP400 PRO is backed by a NEW REPLACEMENT or FULL REFUND policy within 30 days of purchase. Additionally, it is protected from defects for 12 months.

For any issues, compatibility checks, or technical support, please contact Autel support directly. You can typically find contact information on the official Autel website or through your authorized dealer.

Related Documents - XP400 PRO

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|  | <p>Autel MaxiIM IMMO & Key Programming Tools: IM608PROKPA, IM608, IM508, XP400PRO, G-Box2, APB112</p> <p>Explore Autel's MaxiIM series, featuring advanced IMMO and key programming tools like the IM608PROKPA, IM608, IM508, XP400PRO, G-Box2, and APB112. Discover comprehensive vehicle coverage, diagnostic capabilities, and key programming features for automotive professionals.</p> |
|  | <p>Autel MaxiIM IMMO & Key Programming Tools Catalog</p> <p>Comprehensive catalog detailing Autel MaxiIM series diagnostic tools, including IM608, IM508, XP400, G-Box2, and APB112, for advanced IMMO and key programming solutions.</p> |
|  | <p>Autel MaxiIM IMMO & Key Programming Solutions</p> <p>Explore the capabilities of Autel MaxiIM IMMO and Key Programming tools, including the IM608PROKPA, IM608, IM508, XP400PRO, XP400, G-Box2, and APB112. This guide details advanced features, vehicle coverage, and warranty information for professional automotive locksmiths and technicians.</p> |

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|  | <p>Autel MaxiIM IMMO & Key Programming Tools Catalog</p> <p>Comprehensive catalog detailing the Autel MaxiIM series, including the IM608 and IM508 advanced diagnostic and key programming tools. Features the XP400 programmer, G-Box2, and APB112 accessories, along with warranty and support information.</p> |
|  | <p>Autel MaxiIM IMMO & Key Programming Tools: IM608PROKPA, IM608, IM508, XP400PRO - Comprehensive Guide</p> <p>Explore the Autel MaxiIM series of advanced IMMO and key programming tools, including the IM608PROKPA, IM608, IM508, XP400PRO, and accessories like G-Box2 and IMKPA. Learn about features, vehicle coverage, and warranty.</p> |
|  | <p>Autel MaxiIM IMMO & Key Programming Tools Catalog</p> <p>Explore Autel's MaxiIM series for advanced IMMO and key programming solutions, including the IM608PROKPA, IM608, IM508, XP400PRO, G-Box2, and APB112. Features, specifications, and warranty information.</p> |