Autel Newest MaxiIM K-M100X-US

Autel MaxiIM KM100 (X) Programming Tool User Manual

Model: Newest MaxiIM K-M100X-US | Brand: Autel

1. PRODUCT OVERVIEW

The Autel MaxiIM KM100 (X) is a professional key programming tool designed for automotive technicians and DIY enthusiasts. It offers comprehensive functionalities for key generation, learning, cloning, and advanced diagnostic features. This device is equipped with a built-in APB112 for enhanced key generation capabilities and supports a wide range of vehicle models.

Image 1.1: Autel MaxiIM KM100X device, including the main unit, OBD dongle, and two blank keys.

Image 1.2: Overview of the Autel MaxiIM KM100X's core capabilities, highlighting its speed and broad compatibility.

2. WHAT'S IN THE BOX

Upon unboxing your Autel MaxiIM KM100 (X), verify that all components are present:

- 1x Autel KM100X Main Unit
- 1x Bluetooth Wireless VCI Adapter (MaxiVCI V200)
- 2x Universal Smart Keys
- 1x Power Adapter
- 1x USB Cable (Type-C)
- 1x USB-C to USB-C Cable
- 1x Custom Mini USB Cable (for Key Programming)
- 1x Carrying Case (330x262x100mm)

- 1x User Manual
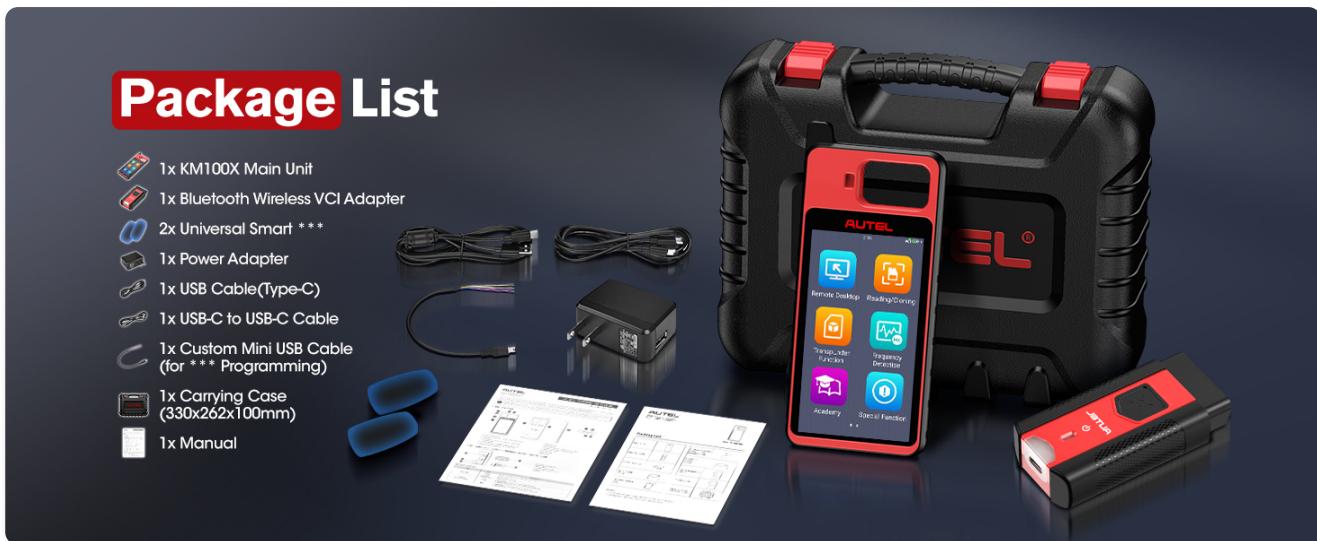
Image 2.1: Visual representation of all items included in the Autel MaxiIM KM100X product package.

3. Setup and Initial Use

3.1 Powering On and Charging

Connect the KM100X main unit to the power adapter using the provided USB Type-C cable. The device will automatically power on or can be powered on by pressing the power button. Ensure the device is fully charged before initial use for optimal performance.

3.2 Device Registration and Updates

To access all features and receive lifetime free updates, it is necessary to register your KM100X device. Follow the on-screen prompts for registration. If you encounter any issues with a pre-registered item, contact customer support for assistance.

Image 3.1: Information regarding the lifetime free updates provided with the Autel KM100X.

3.3 Language Settings

The device defaults to English. To switch to Spanish or Portuguese, send the 12-digit serial number (SN) located on the back of your KM100X to autelsupply@outlook.com for authorization.

4. OPERATING INSTRUCTIONS

4.1 Key Generation and Learning

The KM100X excels in key generation, offering a rapid 60-second process for many vehicles. It supports reading, writing, and cloning of various chip types. The built-in APB112 module enhances key generation functions, supporting 46, 4D Data Collection, 46 Smart Password Calculation, Toyota 4D (94/D4, 98) Smart, and Toyota H (88/A8, A9, 30) Smart.

Image 4.1: The KM100X's efficient 60-second universal key generation process.

Image 4.2: Simplified two-step key learning process using the KM100X.

4.2 VIN Identification

The KM100X offers multiple methods for vehicle identification:

- **AutoVIN:** Automatically identifies vehicle data.
- **Scan VIN/License:** Uses the 8MP rear camera to quickly scan VINs or license plates.
- **Manual Input:** Allows for direct entry of VIN.

Image 4.3: Various methods for quick VIN acquisition with the KM100X.

4.3 Frequency Detection

The device can detect key frequencies, supporting both low frequency (315M/433M) and high frequency (868M/915M) signals. This feature is crucial for verifying key fob functionality.

Image 4.4: Frequency detection interface on the KM100X, displaying real-time frequency results.

4.4 Special Functions

The KM100X includes over 10 special functions to assist with various tasks:

- **Ignition Coil Detection:** Gathers data on the vehicle's protocol and type via the ignition coil.

- **Button Adjustment:** For remote control button configuration.

- **Data Processing:** For key data management, backup, and restoration.

- **Universal Information Detection:** Provides general information about the key or vehicle.

- **Chip Conversion:** Supports conversion between ID63 and ID83 for Ford vehicles.

10+ Special Function
Max Power, Solve Issues, Meet Needs

- Ignition Coil Detection
- Toyota Smart
- Button Adjustment
- Status Scan
- Built-in APB112 Functions

More...
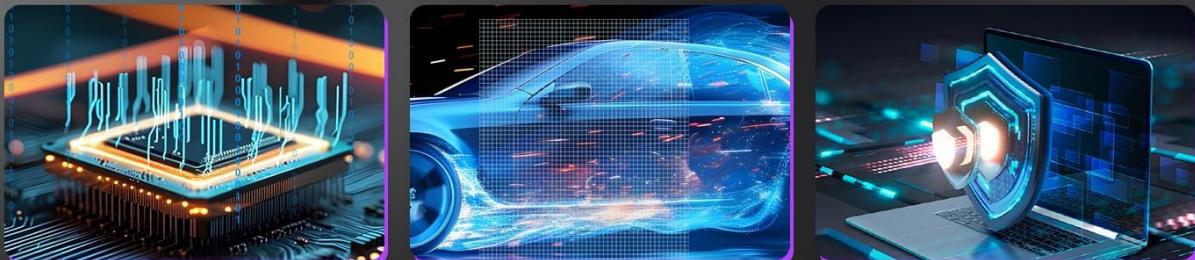
Image 4.5: Interface showing the range of special functions available on the KM100X.

IM*O Data Processing/ Backup/ Restore

- Load the I*M*-related ECU information
- Calculate a P_ssword
- Get other I*M* information
- Backup data to KM100X, write data into blank universal ***

Image 4.6: Data processing and backup features for key information.

4.5 Vehicle Compatibility

The Autel KM100X covers over 700 popular mainstream vehicles from the past 10 years, including Volkswagen, Honda, Toyota, BMW, Land Rover, and Ford. It supports 1996-2024/2025 old and new cars with 95%+ coverage, which is continuously updated.

Image 4.7: Broad vehicle coverage supported by the Autel KM100X.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Autel MaxiIM KM100 (X) device, follow these general maintenance guidelines:

- Keep the device clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.
- Store the device in its carrying case when not in use to protect it from physical damage.

- Regularly update the software to ensure access to the latest features and vehicle compatibility.

- Handle the cables and connectors with care to prevent damage.

6. TROUBLESHOOTING

6.1 Compatibility Limitations

Please note the following known compatibility limitations:

- As of August 25, 2025, key programming functions for Ford vehicles have significant limitations. For Ford key programming, it is strongly recommended to send your Vehicle Identification Number (VIN) to autelsupply@outlook.com to check compatibility before attempting.

- The Autel KM100 (X), KM100, and KM100E models do not support key programming for Benz, Porsche, or Renault cars.

- The device does NOT support All Keys Lost (AKL) functions for GM, Toyota, Lexus, or Renault. For specific function compatibility, send your Car VIN and the desired function to autelsupply@outlook.com.

6.2 Device Registration Issues

If you receive a device that appears to be already registered, do not be concerned. Contact autelsupply@outlook.com for proper resolution and assistance with registration.

6.3 General Issues

If you encounter any other issues, ensure the device is fully charged, the software is up to date, and all connections are secure. Refer to the on-screen help or contact technical support if problems persist.

7. SPECIFICATIONS

The Autel MaxiIM KM100 (X) features robust hardware for efficient operation:

- **Operating System:** Android 9.0

- **Processor:** RockChip PX30 CPU

- **Memory:** 2GB RAM + 64GB Storage

- **Display:** 5.5-inch screen (1280*700 resolution)

- **Battery:** 4950mAh Lithium Polymer (8+ hours non-stop use)

- **Camera:** 8MP Rear Camera (for VIN/License scanning)

- **Connectivity:** Wi-Fi, Bluetooth 5.0

- **Item Weight:** 3.74 pounds

- **Package Dimensions:** 13.15 x 10.31 x 4.09 inches

- **Model Number:** Newest MaxiIM K-M100X-US

- **UPC:** 849438095949

Image 7.1: Detailed hardware specifications of the KM100X.

7.1 Model Comparison

The table below provides a comparison of the KM100X with other Autel models, highlighting its unique features:

Feature	KM100X	IM508S	IM608 PRO II
Software Update	Lifetime Free	1 Year	1 Year
System	Android 9.0	Android 11.0	Android 11.0
Battery	4950mAh	5000mAh	10000mAh
Specialized Functions	10+		
60s Key Generation	Yes	No	No
Key Simulation	Yes	No	No
Ignition Coil Detection	Yes	No	No
Universal Key Generation	Yes	Needs APB112	Needs APB112
Frequency Detection	Yes	Yes	Yes
Data Processing	Yes	Yes	Yes

Table 7.1: Feature comparison between Autel KM100X, IM508S, and IM608 PRO II.
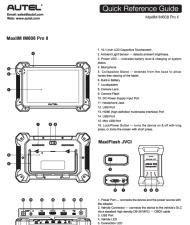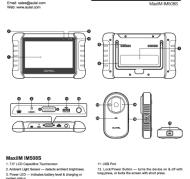
8. WARRANTY AND SUPPORT

The Autel MaxiIM KM100 (X) comes with a 1-year warranty. For any after-sales support, technical assistance, or vehicle compatibility inquiries, please contact Autel support directly via email:

autelsupply@outlook.com

Autel provides 24/7 technical support to assist users with their product-related questions and issues.

Related Documents

	[Autel MaxiIM IM608 Pro II Quick Reference Guide](#) Comprehensive quick reference guide for the Autel MaxiIM IM608 Pro II automotive diagnostic tool, covering device components, safety precautions, getting started, and key functions like key programming and wireless printing.
	[Autel MaxiIM IM508S Quick Reference Guide](#) A concise guide to the Autel MaxiIM IM508S key programming tool, detailing its components, LED indicators, and initial setup for immobilizer and programming functions.
	[Autel MaxiIM KM100: Professional Auto Key Programming Tool](#) Discover the Autel MaxiIM KM100, a professional intelligent tool for auto key generation, transponder programming, and IMMO learning. Features include OE-level quality, 5.5-inch screen, and extensive vehicle compatibility.
	[Autel MaxiIM KM100 Quick Reference Guide](#) A quick reference guide for the Autel MaxiIM KM100 Professional Key Tool, covering device features, VCI device information, LED descriptions, and regulatory compliance statements.