

[Manuals.plus](#) /

› [Autel](#) /

› Autel MaxiIM KM100X Key Programmer User Manual

Autel KM100X

Autel MaxiIM KM100X Key Programmer User Manual

Model: **KM100X** | Brand: **Autel**

1. INTRODUCTION

The Autel MaxiIM KM100X is a professional intelligent key tool designed for automotive key programming. It offers a wide range of functions including universal key generation, transponder reading/writing/cloning, IMMO key learning, and frequency detection. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your KM100X device.



Image 1.1: Overview of the Autel MaxiIM KM100X Key Programmer, showing the main unit, MaxiVCI V200, and two smart keys. Key features like 60s key generation, OBD IMMO learning, chip functions, and frequency detection are highlighted.

Important Compatibility Notice:

The KM100X is primarily designed for most European vehicles due to regional and manufacturer restrictions. For specific IMMO functions on European cars (e.g., Renault, Mercedes-Benz, BMW, Audi, Skoda, Seat, VW, Jaguar, Land Rover, Porsche, Volvo, PSA), the KM100X may not support "All Keys Lost" functions and may require disassembly for key programming. For these vehicles, IM508S / IM608 Pro tools are recommended. Before purchase, it is advised to contact Autel support with your vehicle's VIN to verify full compatibility. For Asian and American vehicles (e.g., Ford, GM, Toyota, Lexus), the KM100X supports adding new keys, and for some, "All Keys Lost" functions.

2. SETUP AND PACKAGE CONTENTS

2.1 Package Contents:

Ensure all items listed below are present in your package:

- Main Unit (Autel MaxiIM KM100X)
- MaxiVCI V200 (Wireless Vehicle Communication Interface)
- Universal Smart Key (First)
- Universal Smart Key (Second)
- Type-C USB Cable
- Custom Mini USB Cable (for key programming)
- USB-C to USB-C Cable
- Power Adapter
- Quick Reference Guide
- Carrying Case



Image 2.1: Detailed view of the Autel MaxiIM KM100X packing list, illustrating the main unit, MaxiVCI V200, two smart keys, various cables, power adapter, quick reference guide, and carrying case.

2.2 Initial Setup:

1. **Charge the Device:** Connect the KM100X main unit to the power adapter using the provided USB-C cable and charge it fully before first use.
2. **Power On:** Press and hold the power button to turn on the device.
3. **Language Selection:** The default language is English. If you need to change the menu language, please contact Autel support with your device's serial number (located on the back of the device).
4. **Software Update:** Ensure the device software is up-to-date. Connect to a Wi-Fi network and navigate to the "Update" section in the device menu to download and install the latest software version (e.g., V1.37 or newer). The device can be used without internet after the initial update.
5. **Connect MaxiVCI V200:** The MaxiVCI V200 is a wireless vehicle communication interface. It connects to the vehicle's OBD-II port and communicates wirelessly with the KM100X main unit via Bluetooth.

3. OPERATING INSTRUCTIONS

3.1 Universal Key Generation:

The KM100X can generate universal smart keys for over 700 vehicle models, often within 60 seconds, offering a 50% faster generation speed compared to other tools. It supports AutoVIN for quick vehicle identification.

1. **Select "Universal Key"** from the main menu.
2. **Identify Vehicle:** Use the AutoVIN feature or manually select the vehicle make, model, and year.
3. **Generate Key:** Follow the on-screen prompts to generate the universal key. The device will guide you through the process.
4. **IMMO Learning:** After key generation, proceed directly to IMMO learning to pair the new key with the

vehicle's immobilizer system.



Image 3.1: The KM100X device displaying the 60-second key generation process, highlighting its speed and efficiency compared to manual input methods.

3.2 Transponder Functions (Read, Write, Clone, Generate, Simulate, Convert):

The KM100X provides comprehensive transponder capabilities, including reading, writing, cloning, generation, simulation, and conversion between ID63 and ID83 transponders.

1. **Select "Reading/Cloning" or "Transponder Function"** from the main menu.
2. **Place Transponder:** Position the transponder chip or key in the designated slot on the KM100X device.
3. **Perform Operation:**
 - **Read Chip:** View transponder information such as chip type, IMMO type, transponder ID, locking status, and code mode.
 - **Clone Chip:** Detect and decrypt transponder data to generate a functional clone.
 - **Edit Chip:** Modify transponder configurations and EEPROM data.
 - **Generate Transponder:** Create new transponder chips.
 - **Simulate Transponder:** Emulate transponder behavior.
 - **Convert Transponder:** Convert between ID63 and ID83 transponder types.



Image 3.2: The KM100X interface demonstrating professional chip reading, cloning, and editing capabilities, displaying detailed transponder information.

3.3 IMMO Key Learning via OBD:

The KM100X supports IMMO key learning via OBD for approximately 90% of vehicles. This includes functions like PIN reading, key learning, remote learning, "All Keys Lost" functions (where supported), IMMO ECU reset/adaptation/refresh/coding, and IMMO data backup/restore.

1. **Connect MaxiVCI V200:** Plug the MaxiVCI V200 into the vehicle's OBD-II port.
2. **Establish Communication:** Ensure the KM100X main unit is wirelessly connected to the MaxiVCI V200 via Bluetooth.
3. **Select "IMMO"** from the main menu.
4. **Follow On-Screen Prompts:** The device will guide you through the specific IMMO learning procedures for the identified vehicle. This may involve reading PIN codes, adding new keys, or performing "All Keys Lost" procedures.

3.4 Special Functions:

The KM100X integrates several special functions to simplify key programming tasks:

- **Frequency Detection:** Quickly and accurately identify key frequency and RF signal modulation. Place the key near the device's frequency detection area.
- **Button Adjustment:** Customize button functions for keys.
- **Key Unlocking:** Unlock previously locked keys.
- **Universal Key Information Detection:** Read detailed information from universal keys.
- **Ignition Coil Detection:** Collect IMMO protocol data and transponder type from vehicle ignition coils.
- **Integrated APB112 Functions:** The KM100X includes all functions of the Autel APB112 smart key fob emulator, such as collecting data from ignition coils, identifying coil issues, 46/4D chip key data collection, 46 smart key password calculation, 46 chip emulation, and Toyota 4D/H smart key emulation.

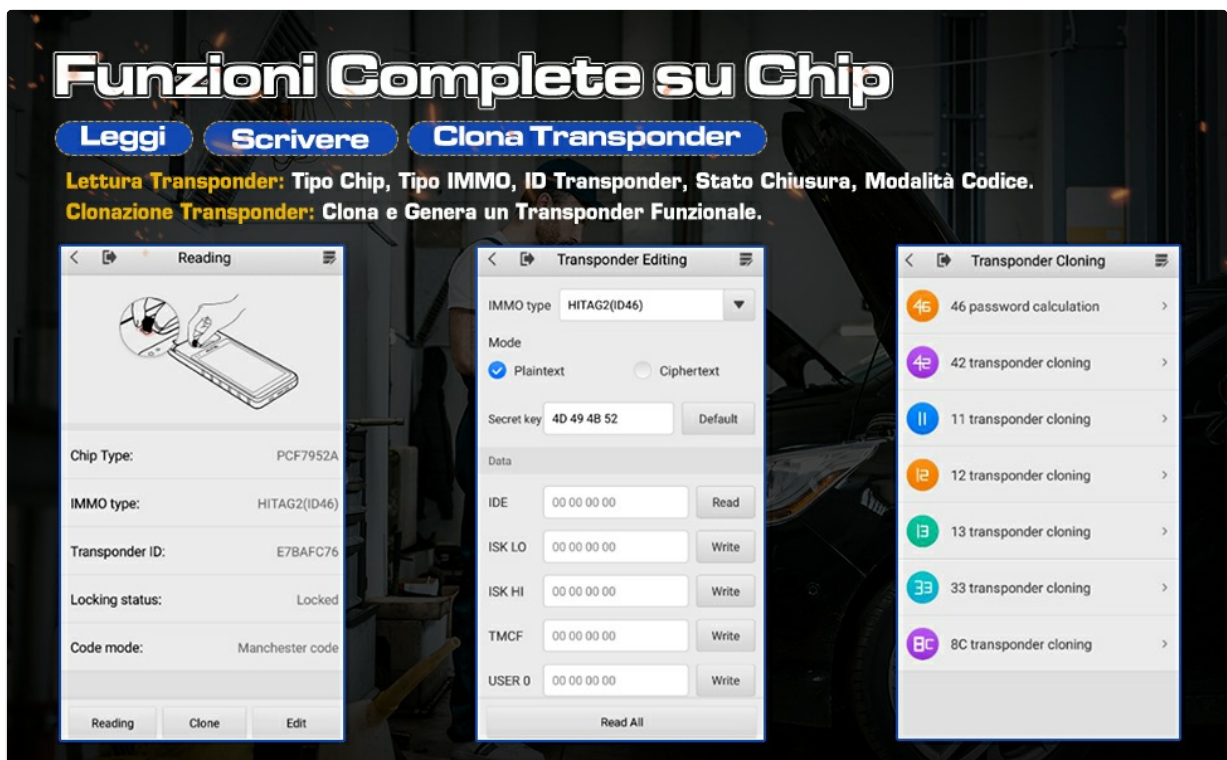


Image 3.3: The KM100X main screen showing icons for Universal Key, Reading/Cloning, Transponder Function, Frequency Detection, IMMO, and Special Function, indicating the device's comprehensive capabilities.



Image 3.4: The KM100X device demonstrating frequency detection, showing the key placed near the device and the frequency reading on the screen.

4. MAINTENANCE

- **Software Updates:** Regularly check for and install software updates to ensure optimal performance, expanded vehicle coverage, and new features. Connect the device to Wi-Fi and navigate to the "Update" section.
- **Cleaning:** Use a soft, dry cloth to clean the device screen and body. Avoid using abrasive cleaners or

solvents.

- **Storage:** Store the KM100X in its carrying case in a cool, dry place when not in use to protect it from dust and physical damage.
- **Battery Care:** To prolong battery life, avoid fully discharging the device frequently. Charge the device regularly, especially if it will be stored for an extended period.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery or power issue.	Charge the device using the provided power adapter and USB-C cable. Ensure the power adapter is working.
Cannot connect to vehicle via VCI.	VCI not properly connected, Bluetooth issue, or VCI power issue.	Ensure the MaxiVCI V200 is securely plugged into the vehicle's OBD-II port. Check Bluetooth connection on the KM100X. Verify VCI indicator lights are on.
Key generation/IMMO learning fails.	Vehicle incompatibility, incorrect procedure, or software issue.	Verify vehicle compatibility with Autel support. Ensure all steps in the procedure are followed correctly. Update device software.
Device freezes or is unresponsive.	Software glitch.	Perform a forced restart by holding the power button for 10-15 seconds. If the issue persists, contact support.
Cannot change menu language.	Requires authorization from Autel.	Contact Autel support at auteldirect@outlook.com with your device's serial number to request a language change.

6. SPECIFICATIONS

Feature	Detail
Model Number	KM100X
Operating System	Android 9.0
Screen Size	5.5 Inches
Power Source	Battery Powered
Battery Capacity	4950mAh (<i>Inferred from product images</i>)
Processor	PX30 Rockchip (<i>Inferred from product images</i>)
Memory	2GB RAM / 64GB Storage (<i>Inferred from product images</i>)
Camera	8MP (<i>Inferred from product images</i>)
Connectivity	Wi-Fi, Bluetooth (for VCI)
Universal Key Frequency	Dual-Band 315MHz/433MHz & 868MHz/915MHz (<i>Inferred from product images</i>)

Feature	Detail
Country of Origin	China

7. WARRANTY AND SUPPORT

7.1 Manufacturer Warranty:

The Autel MaxiIM KM100X comes with a **1-year manufacturer warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.

7.2 Technical Support:

For technical assistance, compatibility inquiries, language change requests, or any other support needs, please contact Autel support:

- **Email:** auteldirect@outlook.com
- When contacting support, please provide your device's serial number (12 digits, found on the back of the device) and a detailed description of your issue or request.

Note: If you need to return the device, please select the "DEFECTIVE" option to ensure proper processing and prevent it from being resold to other customers.