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Autel MK808Z-BT

Autel MaxiCOM MK808Z-BT Diagnostic Scanner User Manual

Model: MK808Z-BT | Brand: Autel

INTRODUCTION

The Autel MaxiCOM MK808Z-BT is an advanced diagnostic scan tool designed for comprehensive vehicle system analysis and maintenance. This device features an Android 11 operating system, a fast RK3566 CPU, 4GB+64GB memory, and dual 2.4&5GHz Wi-Fi for efficient operation. It offers full bidirectional control, over 28 service functions, and extensive vehicle coverage for 150+ brands from 1996 onwards, including support for 2018+ FCA SGW. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your MK808Z-BT scanner.



Figure 1: Autel MaxiCOM MK808Z-BT Diagnostic Scanner and VCI Mini.

SETUP GUIDE

1. Unpacking and Initial Power-On

1. Carefully remove the MaxiCOM MK808Z-BT tablet and VCI Mini from the packaging.
2. Ensure all components listed in the 'What's in the Box' section are present.
3. Press and hold the Power button on the tablet to turn it on. The device will boot up to the Android 11 interface.
4. Charge the device fully before first use using the provided power adapter.

2. Connecting the VCI Mini

The VCI (Vehicle Communication Interface) Mini connects wirelessly to the MK808Z-BT tablet via Bluetooth, allowing for remote diagnostics.

1. Locate the vehicle's OBDII port, typically under the dashboard.
2. Plug the VCI Mini securely into the vehicle's OBDII port. The VCI Mini's indicator light should illuminate.

3. On the MK808Z-BT tablet, navigate to the 'VCI Manager' application.
4. Select 'Bluetooth' as the connection method and pair with the VCI Mini. A stable connection will be indicated on the tablet screen.

2026
Autel MaxiCOM

MK808Z-BT

Outshines Mk808S/MK900/MX808S/MX900

Best Bang for Your Bucks

- Functions =MK808S-BT
- 28+ Reset Functions
- Bi-directional Control
- All System Diagnosis
- Auto Scan & AutoVIN
- Inspection Work with MV108S

Global Version, Wider coverage

- 99% Coverage>MX808/MK808S
- 150+ Car Brands
- 1996-2025 Car Supported
- FCA SGW (AutoAuth)
- Renault SGW Access

2026 ENHANCED VERSION

- 5X Faster RK3566
- 4+64 GB
- Android 11
- 2.4&5GHz

Figure 2: The MaxiCOM MK808Z-BT tablet and VCI Mini for wireless diagnostics.

3. Software Updates and Wi-Fi Connection

To ensure optimal performance and access to the latest vehicle coverage and features, regularly update the software.

1. Connect the MK808Z-BT tablet to a stable Wi-Fi network (2.4GHz or 5GHz) via the 'Settings' menu.
2. Tap the 'Update' icon on the main screen.
3. Download and install all available system and vehicle software updates.

4. FCA SGW Access Setup (for 2018+ vehicles)

For diagnostics and services on 2018 and newer FCA (Chrysler, Dodge, Jeep, Alfa Romeo, Fiat) vehicles, secure gateway (SGW) access is required.

1. Visit the AutoAuth official website (www.autoauth.com).
2. Register for an FCA account.
3. Purchase AutoAuth access.
4. Follow the on-screen prompts on your MK808Z-BT to link your scanner to your AutoAuth account and begin diagnostics.



Figure 3: Steps for setting up FCA AutoAuth SGW access.

OPERATING INSTRUCTIONS

1. All-System Diagnostics

The MK808Z-BT can access all available electronic control modules (ECUs) in a vehicle to read and clear diagnostic trouble codes (DTCs), view live data, and retrieve ECU information.

1. From the main menu, tap 'Diagnostics'.
2. Select the vehicle make, model, and year. Use the AutoVIN feature (for 2006+ vehicles) for automatic vehicle identification.
3. Choose 'Auto Scan' to perform a comprehensive scan of all systems or select specific modules for diagnosis.
4. Review DTCs, view live data streams in text or graph format, and analyze system status.



Figure 4: The scanner's ability to access all vehicle systems for diagnostics.

2. Bidirectional Control (Active Tests)

Bidirectional control allows the scanner to send commands to vehicle actuators and receive feedback, enabling functional testing of components without manual controls. This helps in quickly identifying faulty components.

- Activate radiator fans.
- Modulate throttle.
- Operate windows and mirrors.
- Test fuel injectors.
- Control lights and wipers.
- Perform various other active tests on components like ABS pumps, solenoids, and relays.

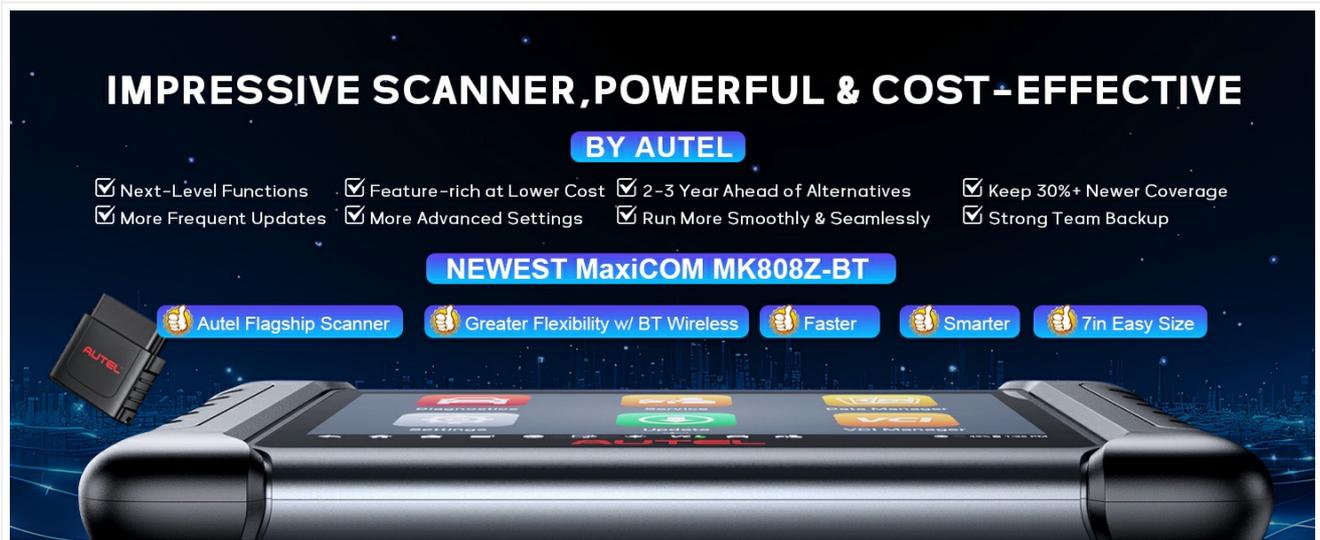


Figure 5: Illustrates the bidirectional control functionality, sending commands to vehicle components.

3. Service Functions

The MK808Z-BT provides access to over 28 common maintenance and service functions.

- **Oil Reset:** Reset the oil life system after an oil change.
- **EPB (Electronic Parking Brake):** Deactivate and activate the brake control system for brake service.
- **ABS Bleed:** Perform bleeding procedures for the ABS system.
- **SAS (Steering Angle Sensor) Calibration:** Calibrate the steering angle sensor.
- **BMS (Battery Management System):** Register new battery replacements.
- **Injector Coding:** Code new injector numbers to the ECU.
- **TPMS (Tire Pressure Monitoring System):** Perform TPMS sensor relearn procedures.
- And many more, including Throttle Adaptation, Suspension Calibration, and Headlamp Adjustment.

ACCESS TO ALL AVAILABLE SYSTEMS

Easy, Fast, Accurate, Pinpoint System Faults in Minutes



Figure 6: Examples of the 28+ service functions available on the scanner.

4. Expandable Tools Integration

The MK808Z-BT supports integration with additional Autel tools for enhanced diagnostic capabilities:

- **BT506 Battery Test:** Connect the BT506 (sold separately) to perform in-vehicle and out-of-vehicle battery, starter, and generator tests.
- **MV108S Inspection Camera:** Pair with the MV108S (sold separately) to inspect hard-to-reach areas of the vehicle with high-definition imaging.

MAINTENANCE

1. Software Updates

Regular software updates are crucial for maintaining optimal performance, expanding vehicle coverage, and accessing new features. Connect to Wi-Fi and check for updates frequently via the 'Update' application.

2. Device Cleaning

To clean the tablet's screen, use a soft, lint-free cloth. For the rugged rubberized housing, a damp cloth with mild soap can be used. Avoid harsh chemicals or abrasive materials that could damage the device.

3. Battery Care

The MK808Z-BT is equipped with a Lithium Ion battery. To prolong battery life:

- Avoid fully discharging the battery frequently.
- Store the device in a cool, dry place when not in use.
- Charge the device regularly, even if not in active use, to maintain battery health.

TROUBLESHOOTING

Common Issues and Solutions

- **Device not powering on:** Ensure the battery is charged. Connect the power adapter and try again. If the issue persists, contact technical support.
- **VCI Mini not connecting:** Verify the VCI Mini is securely plugged into the vehicle's OBDII port and receiving power.

Check Bluetooth settings on the tablet and ensure the VCI Mini is paired. Restart both the tablet and the VCI Mini.

- **No communication with vehicle:** Confirm the vehicle's ignition is on. Check the OBDII cable and VCI Mini connection. Ensure the correct vehicle make, model, and year are selected in the diagnostic software. Verify the vehicle's battery voltage is sufficient.
- **Software freezing or slow performance:** Close unnecessary applications. Ensure the device has sufficient storage space. Perform a software update to the latest version. If issues continue, consider a factory reset (backup data first).
- **FCA SGW access issues:** Double-check your AutoAuth account registration and subscription status. Ensure your Autel scanner is correctly linked to your AutoAuth account.

For persistent issues or problems not covered here, please refer to the technical support section.

SPECIFICATIONS

| Feature | Specification |
|------------------------|---|
| Operating System | Android 11.0 |
| Processor | RK3566 (5X Faster) |
| Memory | 4GB RAM + 64GB Storage |
| Display | 7-inch LCD capacitive touchscreen with 1024x600 resolution |
| Connectivity | Wi-Fi (2.4 & 5 GHz), Bluetooth (VCI Mini) |
| Battery | 5000mAh Lithium-Ion Battery |
| Dimensions (L x W x H) | 6"L x 2"W x 10"H |
| Item Weight | 5.33 pounds |
| Supported Protocols | ISO9141-2, ISO14230-2, ISO15765, K/L-Line, Flashing Code, SAE-J1850 VPW, SAE-J1850 PWM, ISO11898 (Highspeed, Middlespeed, Lowspeed and Singlewire CAN, fault-tolerant CAN), SAE J2610, GM UART, UART Echo Byte Protocol, Honda Diag-H Protocol, MPV, GMLAN, Mini-Bus Protocol, TP2.0, TP1.6, etc. |

FCA AUTOAUTH SGW

Works on 2018+ FCA vehicles for diagnostics and services directly



Chrysler



Dodge



Jeep



Alfa Romeo



Fiat



More

01 Visit AutoAuth official site

02 Register a FCA Account

03 Buy AutoAuth

04 Start Diagnostics

WARRANTY AND SUPPORT

Warranty Information

The Autel MaxiCOM MK808Z-BT Diagnostic Scanner typically comes with a manufacturer's limited warranty covering defects in materials and workmanship. Please refer to the warranty card included with your product or visit the official Autel website for specific terms and conditions, including warranty duration and coverage details.

Technical Support

For technical assistance, product inquiries, or troubleshooting beyond the scope of this manual, please contact Autel customer support:

- Visit the official Autel website (www.autel.com) for support resources, FAQs, and contact information.
- Look for the 'Support' or 'Contact Us' section on the website to find phone numbers, email addresses, or live chat options.
- When contacting support, have your product model (MK808Z-BT) and serial number ready for faster service.