Autel VCI MINI

Autel MaxiVCI Mini Bluetooth Diagnostic Interface

User Instruction Manual

1. Introduction

The Autel MaxiVCI Mini is a compact Vehicle Communication Interface (VCI) designed to wirelessly connect your Autel MaxiCOM 808 series diagnostic tablet to a vehicle's On-Board Diagnostics (OBD-II) port. This device acts as a data transmission bridge, enabling the diagnostic tablet to perform a wide range of functions including full system diagnostics, bi-directional control, special services, and maintenance functions efficiently and quickly.

Its wireless capability provides flexibility and convenience, allowing technicians to move freely around the vehicle while performing diagnostic tasks.

2. Safety Information

Please read and understand all safety instructions before using the MaxiVCI Mini. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always connect the MaxiVCI Mini to the vehicle's DLC port securely.
- Ensure the diagnostic tablet is powered on and properly configured before initiating communication.
- Do not expose the device to extreme temperatures, moisture, or corrosive substances.
- Avoid dropping or subjecting the device to severe impact.
- The MaxiVCI Mini operates on 12-volt vehicle power; do not attempt to power it with other voltage sources.
- **Compatibility Warning:** This device is exclusively designed for use with Autel 808 series wireless Bluetooth scanners (e.g., MK808BT, MK808BT PRO, MK808TS, MX808TS, MP808BT, etc.). It is not compatible with other brands of scanners or mobile phones.

3. Product Overview

The Autel MaxiVCI Mini is a compact and robust device designed for seamless vehicle communication.



Figure 3.1: Autel MaxiVCI Mini Components

A detailed view of the Autel MaxiVCI Mini with key components clearly labeled. It points out the 16-pin Vehicle Data Connector, the USB Port, the Power LED, and the Connection LED, providing a clear understanding of the device's physical features.

Components:

- **Vehicle Data Connector (16-Pin):** Connects to the vehicle's OBD-II port.
- **USB Port:** Used for wired connection to the diagnostic tablet or for software updates via PC.
- **Power LED:** Indicates the power status of the device.
- **Connection LED:** Indicates the communication status (e.g., Bluetooth connection).

4. Setup

The MaxiVCI Mini offers two primary methods for connecting to your Autel diagnostic scanner:



Figure 4.1: Easy Setup & Use Guide

A visual guide detailing the simple setup process for the Autel MaxiVCI Mini. It shows inserting the VCI Mini into the vehicle's DLC port, powering up the scanner, and connecting the scanner to the VCI Mini via Bluetooth or USB cable.

Method 1: Wireless (Bluetooth) Connection

1. Locate the vehicle's 16-pin OBD-II Data Link Connector (DLC), usually under the dashboard on the driver's side.
2. Firmly insert the MaxiVCI Mini connector into the vehicle's DLC. The Power LED on the MaxiVCI Mini will illuminate, indicating it is receiving power from the vehicle.
3. Power on your compatible Autel diagnostic scanner.
4. On the scanner, navigate to the VCI connection settings (often found under 'Settings' or 'VCI Manager').
5. Select the Bluetooth connection option and pair with the MaxiVCI Mini. The Connection LED on the MaxiVCI Mini

will indicate a successful connection.

Method 2: Wired (USB) Connection

1. Insert the MaxiVCI Mini into the vehicle's DLC.
2. Connect one end of the provided USB cable to the USB port on the MaxiVCI Mini.
3. Connect the other end of the USB cable to the USB port on your Autel diagnostic scanner.
4. The scanner will automatically detect the wired connection.

5. Operating

Once the MaxiVCI Mini is successfully connected to your Autel 808 series scanner, you can begin performing various diagnostic and service functions.



Figure 5.1: Multi-Functional Capabilities

This graphic demonstrates the multi-functional capabilities enabled by the Autel MaxiVCI Mini when connected to a diagnostic scanner. Icons represent ECU Coding, Bidirectional Control, Fault Codes Scan, Special Functions, and TPMS Functions, indicating the breadth of operations it supports.

Key Functions Supported:

- **Full System Diagnostics:** Read and clear Diagnostic Trouble Codes (DTCs) from all available vehicle modules (Engine, ABS, Airbag, Transmission, etc.).
- **Bi-directional Control:** Perform active tests to control various vehicle components and systems (e.g., turn on/off fuel pump, cycle ABS pump).
- **Special Services:** Access and perform common maintenance services such as Oil Reset, EPB (Electronic Parking Brake) Reset, SAS (Steering Angle Sensor) Calibration, BMS (Battery Management System) Reset, DPF (Diesel Particulate Filter) Regeneration, and more.
- **TPMS Functions:** For TS models, perform TPMS diagnostics and service functions.
- **ECU Coding:** Modify vehicle parameters and activate hidden features (depending on vehicle and scanner capabilities).

Refer to your specific Autel diagnostic scanner's user manual for detailed instructions on navigating its software and performing these functions.

6. Maintenance

To ensure optimal performance and access to the latest vehicle coverage and features, it is crucial to keep your MaxiVCI Mini's software updated.



Figure 6.1: VCI Mini Software Update Methods

This image provides two methods for updating the MaxiVCI Mini software: directly through the connected Autel scanner's update menu, or by connecting the VCI Mini to a PC via USB and using the Maxi PC Suite for firmware downloads and updates.

Software Update Methods:

1. **Update Via Scanner:**
    - Ensure your Autel scanner is connected to the internet.
    - From the MaxiCOM Job Menu on your scanner, select 'Update' from the connection mode list.
    - Follow the on-screen prompts to download and install the latest VCI Mini firmware.
2. **Update Via PC:**
    - Download the Maxi PC Suite from the official Autel website (www.autel.com) under 'Support & Updates' > 'Firmware Downloads'.
    - Install the Maxi PC Suite on your computer.
    - Connect the MaxiVCI Mini to your PC using a USB cable.

- Launch the Maxi PC Suite, click on the MaxiVCI Mini icon, and follow the instructions to update the firmware.

General Care:

- Clean the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Store the MaxiVCI Mini in a cool, dry place when not in use.

7. Troubleshooting

If you encounter issues while using your Autel MaxiVCI Mini, refer to the following common problems and solutions:

- **No Power/LEDs Off:**
  - Ensure the MaxiVCI Mini is securely plugged into the vehicle's DLC port.
  - Verify the vehicle's ignition is on (or in accessory mode) to provide power to the DLC.
  - Check the vehicle's OBD-II fuse.
- **No Bluetooth Connection:**
  - Ensure Bluetooth is enabled on your Autel scanner.
  - Make sure the MaxiVCI Mini is within the 10-meter (33 feet) working range of the scanner.
  - Restart both the MaxiVCI Mini (by unplugging and replugging) and the diagnostic scanner.
  - Re-pair the MaxiVCI Mini with the scanner through the VCI connection settings.
- **Communication Errors:**
  - Ensure the vehicle's ignition is on and the engine is not running (unless performing specific tests that require it).
  - Verify that the MaxiVCI Mini firmware is up to date.
  - Try connecting via USB cable if Bluetooth connection is unstable.
  - Confirm that your Autel scanner's software is also up to date.
- **Incompatibility:**
  - The MaxiVCI Mini is designed exclusively for Autel 808 series wireless Bluetooth scanners. It will not work with other Autel scanner series or diagnostic tools from other brands.
  - This dongle cannot be used with mobile phones.

If problems persist, please contact Autel customer support for further assistance.

8. Specifications

Feature	Specification
Model	VCI MINI
Dimensions (L x W x H)	1.18 x 1.18 x 1.18 inches

Item Weight	1.13 ounces
Operating Voltage	12-volt (from vehicle DLC)
Wireless Range	Up to 10 meters (33 feet)
Connection Methods	Bluetooth, USB
Supported Scanners	Autel 808 series (e.g., MK808BT, MK808TS, MP808BT)
Country of Origin	China

9. Warranty and Support

Warranty Information:

The Autel MaxiVCI Mini interface comes with a**1-year warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product functions as intended under normal use.

Additionally, Autel offers a**30-day no-reason return and replacement policy**. If your MaxiVCI Mini is found to be broken or defective within this period, you may be eligible for a return or replacement.

Customer Support:

For any after-sales problems, technical assistance, or compatibility inquiries, please contact Autel customer support. We provide 7/24/365 service to assist you.

Contact Email: auteldirect@outlook.com

Please provide your product model and a detailed description of the issue when contacting support to ensure a prompt resolution.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question