

ANCEL MT500 Plus

ANCEL MT500 Plus Motorcycle Scanner Instruction Manual

Model: MT500 Plus

1. INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of your ANCEL MT500 Plus Motorcycle Scanner. Please read this manual thoroughly before operating the device to ensure correct usage and to prevent damage.

2. PRODUCT OVERVIEW

The ANCEL MT500 Plus is a comprehensive OBD2 diagnostic tool designed for motorcycles, ATVs, UTVs, scooters, dirt bikes, and snowmobiles. It offers dealer-level diagnostics, service reset functions, and active testing capabilities.

2.1 Key Features

- **Full-System Diagnostics:** Access and diagnose Engine, ABS, TPMS, Suspension, Ignition, ECU, Battery, LED lights, and more.
- **Service Reset Functions:** Perform oil reset, idle speed adjustment, AFR reset, ABS bleeding (for specific brands), and CO adjustment.
- **Active Testing:** Conduct bi-directional tests for components like fuel pump, cooling fan, headlights, and injectors.
- **Wide Coverage:** Supports various motorcycle and powersports brands from 2003–2022, including BMW, Honda, Yamaha, Ducati, KTM, Kawasaki, Suzuki, and Triumph.
- **Protective Case:** Includes a durable hard protective case for storage and transport.

OE-LEVEL FULL SYSTEM DIAGNOSIS

In-depth diagnosis of your motorcycle to quickly identify problems

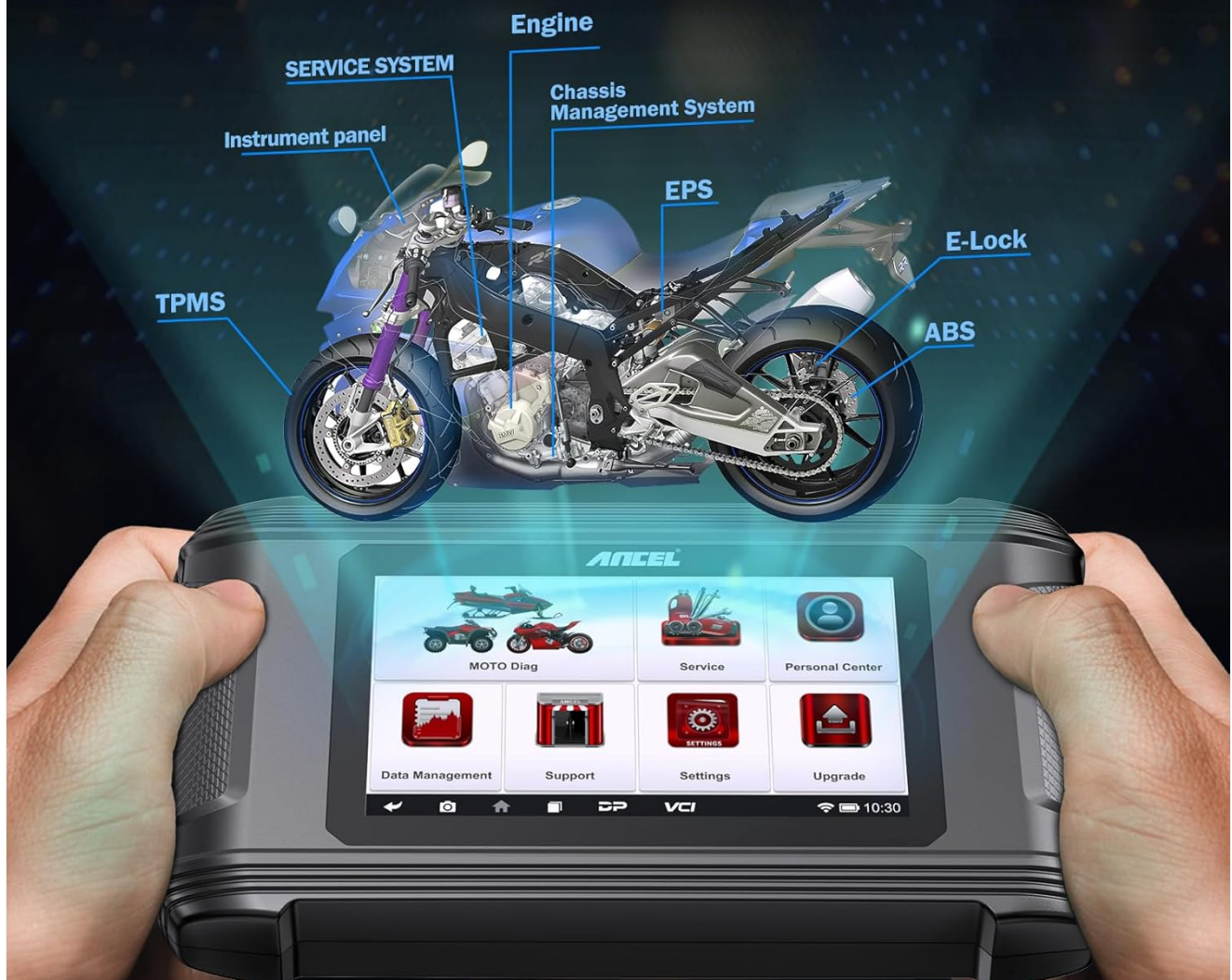


Image: The ANCEL MT500 Plus displaying its OE-level full system diagnosis capabilities, highlighting various systems like Engine, ABS, TPMS, and ECU on a motorcycle diagram.

UP TO 30+ HOT RESET FUNCTIONS

Add practical functions to facilitate repair



Oil Reset



ABS Bleeding



Idle Speed Learning



Throttle Matching



Mixture Reset



ECU Reset



TPS Reset



More

✓ AUTO VIN

✓ EOL Mode

✓ CO Adjustment

✓ Clear Computer Memory

✓ Tire Pressure Monitoring System

✓ Transmission Reset



Image: The ANCEL MT500 Plus interface illustrating over 30 hot reset functions, including Oil Reset, ABS Bleeding, Idle Speed Learning, and CO Adjustment, alongside a motorcycle.



Image: The ANCEL MT500 Plus demonstrating its wide motorcycle compatibility, featuring logos for BMW, Yamaha, Honda, Kawasaki, Suzuki, KTM, Ducati, and Triumph.

Portable Design



Image: The ANCEL hard protective case with dimensions labeled as 12.6 inches (length), 8.66 inches (width), and 4.72 inches (height).

3. SETUP

3.1 Unpacking and Initial Inspection

1. Carefully unpack all components from the protective case.
2. Verify that all items listed in the packing list are present and undamaged.
3. Inspect the scanner and cables for any visible signs of damage. If any damage is found, contact customer support immediately.

3.2 Powering On the Device

- The MT500 Plus can be powered via the motorcycle's OBD port or an external power adapter (if included).
- Press and hold the power button until the screen illuminates.

3.3 Connecting to a Motorcycle

1. Locate the diagnostic port on your motorcycle. Refer to your motorcycle's service manual for the exact location.
2. Select the appropriate adapter cable from the included set for your motorcycle brand.
3. Connect one end of the adapter cable to the MT500 Plus and the other end to the motorcycle's diagnostic port.
4. Turn the motorcycle's ignition to the ON position (engine off).

4. OPERATING INSTRUCTIONS

The ANCEL MT500 Plus features an intuitive touchscreen interface. Navigate through menus by tapping on icons or using the directional buttons (if available).

4.1 Main Menu Overview

Upon startup, the main menu typically displays options such as:

- **Moto Diag:** For performing diagnostic functions.
- **Service:** For accessing service reset functions.
- **Personal Center:** For user settings and device information.
- **Data Management:** To review saved data.
- **Support:** For technical assistance and feedback.
- **Settings:** To configure device preferences.
- **Upgrade:** For software updates.

4.2 Performing Diagnostics

1. From the main menu, select **Moto Diag**.
2. Choose your motorcycle's brand and model.
3. The system will automatically identify the vehicle or prompt for VIN entry.
4. Select **Full System Scan** or choose a specific system (e.g., Engine, ABS).
5. The scanner will read Diagnostic Trouble Codes (DTCs) and display live data.
6. To clear codes, select the **Clear DTCs** option after addressing the underlying issue.

FULL OBD TEST FOR MOTORCYCLE MAKERS

Scan, Fix and Erase



Image: The ANCEL MT500 Plus conducting a full OBD test, showing live data stream, VIN info retrieval, DTC lookup, and freeze frame data on its screen.

4.3 Using Service Reset Functions

1. From the main menu, select **Service**.
2. Choose the desired service function (e.g., Oil Reset, ABS Bleeding).
3. Follow the on-screen prompts to complete the procedure. Ensure all safety precautions are observed.

4.4 Active Testing

1. Within the diagnostic menu for a specific system, look for the **Active Test** or **Bi-directional Control** option.
2. Select the component you wish to test (e.g., fuel pump, cooling fan).
3. Follow the instructions to activate or deactivate the component and observe its response.

4.5 Software Updates and Support

Regularly check for software updates to ensure optimal performance and compatibility with new vehicle models. Updates can typically be performed via Wi-Fi through the **Upgrade** menu. For technical assistance, use the **Support**

or **Feedback** options.

**Advanced Technical Support
Customized For You**

Teamviewer Remote Support

Update
One-click Update

Record
Data Record & Replay & Print

Feedback
Online Feedback

Management
Data Management

The image is a promotional graphic for the ANCEL MT500 Plus. At the top, a hand holds a smartphone displaying the TeamViewer QuickSupport app interface, which includes a 'Connect to Partner' button and a 'Your ID: 545 891 411' field. To the right, the ANCEL MT500 Plus device is shown with its touchscreen displaying a 'Support' menu with icons for Video, Manual, FAQ, Log Upload, and TeamViewer. Below these are four feature panels: 'Update' showing a 'One-click Update' button on a tablet; 'Record' showing a document icon and a circular arrow; 'Feedback' showing a hand interacting with a speech bubble icon; and 'Management' showing a 'Data Management' screen on the device with icons for File Management, Data Playback, Universal Model, Workshop, and Picture Viewer.

Image: The ANCEL MT500 Plus demonstrating advanced technical support features, including one-click updates, data record and replay, online feedback, and data management.

5. MAINTENANCE

5.1 Cleaning the Device

- Use a soft, damp cloth to clean the screen and exterior of the scanner.
- Avoid using abrasive cleaners or solvents, as these can damage the device.
- Ensure no liquids enter the ports or openings.

5.2 Software Updates

Periodically connect the device to a Wi-Fi network and check for software updates via the **Upgrade** menu. Keeping the software updated ensures access to the latest features and vehicle compatibility.

5.3 Storage

When not in use, store the ANCEL MT500 Plus in its protective hard case in a cool, dry place, away from direct sunlight and extreme temperatures.

Optimized Hardware & Software Configuration

More speed and powerful



- Android 5.1.1 OS
- 800*480 Screen Pixels
- 13G ROM
- 32G SD Card
- WIFI
- 8 Languages
- 5.0" Touchscreen
- More

Image: A person carrying the ANCEL protective case, demonstrating its portable design.

6. TROUBLESHOOTING

6.1 Device Not Powering On

- Ensure the device is properly connected to the motorcycle's diagnostic port or an external power source.
- Check the motorcycle's battery voltage.
- If using an external power adapter, verify the power outlet is functional.

6.2 Communication Error with Vehicle

- Verify that the ignition is in the ON position (engine off).
- Ensure the correct adapter cable is used for your motorcycle model and is securely connected.
- Check for any blown fuses in the motorcycle's diagnostic circuit.

- Confirm that the motorcycle's battery has sufficient charge.
- Try selecting a different protocol or manually entering vehicle information if automatic detection fails.

6.3 Screen Freezes or Device is Unresponsive

- Press and hold the power button for approximately 10 seconds to force a shutdown.
- Restart the device. If the issue persists, ensure the software is up to date.

7. SPECIFICATIONS

Feature	Description
Operating System	Android 5.1.1 OS
Screen	8-inch, 800*480 Screen Pixels, 5.0" Touchscreen
ROM	13G ROM
SD Card	32G SD Card
Connectivity	Wi-Fi
Languages	8 Languages Supported
Case Dimensions	13.38*8.68*4.33 inches (approx. 34 x 22 x 11 cm)

WIDE MOTORCYCLE CAPABILITY



Image: Diagram illustrating the optimized hardware and software configuration of the ANCEL MT500 Plus, detailing Android OS, 8-inch screen, 13G ROM, 32G SD Card, Wi-Fi, 8 languages, and 5.0" touchscreen.

8. WARRANTY AND SUPPORT

The ANCEL MT500 Plus comes with a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official ANCEL website. For technical support, product inquiries, or to report issues, please contact ANCEL customer service through their official channels.

Note: Keep your purchase receipt as proof of purchase for warranty claims.