

ANCEL HD3600

ANCEL HD3600 Heavy Equipment Diagnostic Tool User Manual

Comprehensive instructions for setup, operation, and maintenance.

1. INTRODUCTION

The ANCEL HD3600 is a heavy equipment diagnostic tool designed for the North American construction machinery market. It supports a wide range of diesel OBD protocols and offers comprehensive diagnostic functions, including DPF regeneration, full system checks, and live data streaming. This manual provides detailed instructions to help users effectively operate and maintain the device.



Figure 1: ANCEL HD3600 Heavy Equipment Diagnostic Tool Overview

2. WHAT'S IN THE BOX

Upon unboxing your ANCEL HD3600, please verify that all the following items are included:

- 1* HD3600 Heavy Equipment Diagnostic Tool
- 1* 1.5m OBDII Diagnostic Cable
- 1* 6/9-pin Diesel OBD Cable
- 1* CAT-9 Connector
- 1* User's Manual
- 1* Box



Figure 2: Package Contents

3. SETUP

3.1 Initial Activation

The HD3600 requires initial activation to ensure full functionality. Follow these steps:

1. Click the Wi-Fi button on the device.
2. Connect to an available Wi-Fi network.
3. Click the User button.
4. Click the Activate button.
5. Confirm activation by clicking OK on the notice.



Figure 3: One-Click Activation Process

3.2 Software Updates

Regular software updates are recommended to ensure the device remains compatible with the latest vehicle models and diagnostic protocols. Updates are free for life.

1. Click the Wi-Fi button and connect to an available Wi-Fi network.
2. Click the Update button.
3. Update the Diagnostic System.
4. Update the Vehicle Database.



Figure 4: One-Click Free Update Process

4. COMPATIBILITY

The ANCEL HD3600 is designed for ultra-wide compatibility with various heavy equipment and trucks, primarily focusing on the North American market.

4.1 Supported Machinery

- **Construction Machinery:** Caterpillar, Komatsu, John Deere, Volvo, Hitachi, Bobcat, Yanmar, Case.
- **Heavy Duty Trucks:** Supports various heavy-duty truck systems.
- **Agricultural Machinery:** Supports various agricultural machinery systems.



Figure 5: Ultra-Wide Compatibility Overview

4.2 Supported Protocols

- **Diesel OBD Protocols:** SAE J1939, SAE J1708, ISO 27145-4 (for construction & agricultural machinery).
- **Standard OBDII Protocols:** SAE J1850 PWM, SAE J1850 VPW, ISO 14230-4, ISO 9141-2, ISO 15765-4 (for passenger vehicles).

5. OPERATING INSTRUCTIONS

5.1 General Diagnostics

The HD3600 provides comprehensive diagnostic capabilities for various vehicle systems.

- **Read Vehicle Information:** Access details about the connected vehicle.
- **Read & Clear DTCs:** Retrieve and erase Diagnostic Trouble Codes (DTCs) for standard and manufacturer-specific issues.
- **Live Data Streams:** View real-time sensor data and operating parameters.



Figure 6: Advanced Engine System Diagnostics

5.2 DPF Regeneration Function

The tool supports exclusive OEM-level DPF functions for compatible machinery, helping to optimize performance and reduce downtime.

- **DPF Reset:** Reset the Diesel Particulate Filter system.
- **Forced Regeneration:** Initiate a forced regeneration cycle for the DPF.
- **Soot Ratio Reset:** Reset the soot accumulation ratio.
- **Ash Ratio Reset:** Reset the ash accumulation ratio.

ENHANCED D-P-F REGEN FUNCTION

Fit for Caterpillar, Komatsu, John Deere, Volvo & Bobcat construction machinery



Figure 7: Enhanced DPF Regeneration Functions

5.3 One-Click Quick Diagnostics

The HD3600 features several one-click functions for efficient operation:

- **One-Click Activation:** Streamlines the device setup process.
- **One-Click Voltage Checking:** Quickly check battery voltage.
- **One-Click Feedback:** Easily send feedback to technical support.
- **One-Click Screenshots:** Capture screen images for record-keeping.
- **Report Creation with Print Capability:** Generate and print diagnostic reports.

Instant diagnostic, save time & improve efficiency



Your browser does not support the video tag.

- **Software Updates:** Update the software every 1-2 months to keep the product at the forefront of industry technology. Refer to Section 3.2 for detailed update instructions.
- **Cleaning:** Keep the device clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- **Storage:** Store the device in its protective box in a cool, dry place when not in use.

7. TROUBLESHOOTING

If you encounter issues with your ANCEL HD3600, consider the following common troubleshooting steps:

- **No Power:** Ensure the device is correctly connected to the vehicle's diagnostic port. The device draws power from the vehicle.
- **Connectivity Issues (Wi-Fi/Bluetooth):** Verify that Wi-Fi is enabled and connected to a stable 2.4GHz network for updates and activation. For Bluetooth connectivity (if applicable), ensure it's enabled on both the device and your smartphone.
- **Vehicle Communication Error:** Double-check that the correct diagnostic cable (OBDII, 6/9-pin Diesel, CAT-9) is securely connected to both the HD3600 and the vehicle's diagnostic port. Ensure the vehicle's ignition is in the ON position (engine off or running as required by the specific diagnostic function).
- **DPF Regeneration Failure:** Ensure the vehicle meets all conditions for DPF regeneration (e.g., engine temperature, fuel level). Consult the vehicle's specific manual for DPF regeneration requirements.
- **Software Not Responding:** Try restarting the device. If the issue persists, ensure the software is up-to-date (refer to Section 3.2).

For further assistance, please contact ANCEL customer support.

8. SPECIFICATIONS

Feature	Detail
Model	HD3600
Operating System	Android 5.1
Display	5-inch Tablet
RAM	1GB
Flash Storage	8GB
Connectivity	2.4GHz Wi-Fi
Item Weight	3.32 pounds
Product Dimensions	7.4 x 4.7 x 1.9 inches

EXCELENT PAREMETERS

Faster and Smarter

The advertisement for the ANCEL HD3600 device is presented in a dark, industrial-themed layout. At the top, the text 'EXCELENT PAREMETERS' is written in large, bold, orange and white letters, followed by 'Faster and Smarter' in white. The central focus is the ANCEL HD3600 device itself, a rugged black unit with a large color screen. The screen displays a user interface with various icons for different vehicle types: Diesel OBD, OBDII, Caterpillar, CM Volvo, Komatsu, John Deere, and Bobcat. The device is shown from a slightly elevated angle, highlighting its sturdy build and a side-mounted speaker grille.

5" LCD Screen
Offers a clear, bright display

1GB RAM
Smooth multitasking
efficient processing

8GB FLASH
Ample storage space
for data

2.4HZ WIFI
Delivers stable & fast internet

99% Compatibility
Trucks, construction machineries,
agricultural machineries

FREE LIFETIME UPDATE

Figure 9: Device Specifications and Features

9. WARRANTY AND SUPPORT

ANCEL is committed to providing reliable products and excellent customer service.

- **Warranty:** The HD3600 comes with a 1-year complimentary warranty.
- **Returns:** Enjoy a 30-day free return policy.
- **Software Updates:** Benefit from no-cost software updates for the lifetime of the product.
- **Technical Support:** 24/7 technical support is available to assist with any product-related inquiries or issues.

<div><div><div>ANCEL</div><div>HD Series</div></div><div><div>1. PRODUCT OVERVIEW</div><div>ANCEL HD series products are commercial vehicle diagnostics tools based on special Android system.</div><div>The product integrates commercial vehicle OBD standard diagnostic protocols, including CAN, J1939, CAN/J1939, CAN/J1939/ISO15765-4 and J1939/ISO15765-4/ISO15765-2, ISO15765-4 and ISO15765-2/ISO15765-4. The commercial vehicle are identified according to the vehicle type information, and the operation interface is very clear which make it convenient for users to diagnose commercial vehicle.</div><div>There is a manual printer module available to have diagnosis data and report printed. At the same time, the product supports online upgrade of diagnostic program and diagnostic data.</div></div><div>1</div></div>	<div><div>ANCEL HD Series Commercial Vehicle Diagnostic Tool User Manual</div><div>Comprehensive user manual for the Ancel HD Series commercial vehicle diagnostic tool, covering product overview, structure, host and printer configuration, power operations, diagnostic preparation, function menus, diagnostic functions, pin detect, data management, software upgrades, settings, and printer usage.</div></div>
<div><div><div>ANCEL</div><div>HD Series</div></div><div><div>CONTENTS</div><div>1. PRODUCT OVERVIEW 2</div><div>2. PRODUCT STRUCTURE 3</div><div>3. HOST CONFIGURATION 4</div><div>4. PRINTER CONFIGURATION (OPTIONAL) 5</div><div>5. POWER ON/OFF 6</div><div>6. VEHICLE DIAGNOSTIC PREPARATION 6</div><div>7. INTRODUCTION OF EACH FUNCTION MENU 9</div><div>8. DIAGNOSTIC FUNCTION 11</div><div>9. PIN DETECT 16</div><div>10. DATA MANAGEMENT 16</div><div>11. DIAGNOSTIC SOFTWARE UPGRADE 19</div><div>12. SETTINGS 20</div><div>12.1. Wi-Fi Connection 20</div><div>12.2. Bluetooth 21</div><div>12.3. USB 21</div><div>12.4. User Information and Activation 21</div><div>12.5. Storage 22</div><div>12.6. General 22</div><div>13. PRINTER INTRODUCTION (OPTIONAL) 26</div><div>14. FAQ/FREQUENTLY ASKED QUESTIONS 28</div></div><div>1</div></div>	<div><div><div>ANCEL HD3500 User Manual: Vehicle Diagnostic Tool</div><div>Comprehensive user manual for the ANCEL HD3500, a professional vehicle diagnostic tool for pickup trucks. Covers product overview, setup, functions, diagnostics, settings, and troubleshooting.</div></div></div>
<div><div>ANCEL AD410 Usage/Upgrade/Feedback Issues</div></div>	<div><div><div>ANCEL AD410 Usage, Upgrade, and Feedback Issues Troubleshooting Guide</div><div>A comprehensive guide detailing common issues encountered with the ANCEL AD410 automotive diagnostic scanner, covering usage, software upgrades, and feedback data handling, with solutions and troubleshooting steps.</div></div></div>