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ANCEL BM700 PRO Blue

ANCEL BM700 PRO User Manual

Model: BM700 PRO Blue | Brand: ANCEL

INTRODUCTION

The ANCEL BM700 PRO is an advanced diagnostic scan tool specifically designed for BMW, Mini, and Rolls-Royce vehicles. It offers comprehensive full-system diagnostics, various reset services, and essential OBD2 functions for most vehicles. This manual provides detailed instructions on how to set up, operate, and maintain your device to ensure optimal performance and accurate vehicle diagnostics.



Image: The ANCEL BM700 PRO diagnostic scanner, showcasing its display and control buttons.

WHAT'S IN THE BOX

Upon opening your ANCEL BM700 PRO package, you should find the following items:

- 1 x BM700 PRO for BMW OBD2 Scanner
- 1 x Dust-proof Bag for BMW Scan Tool
- 1 x USB Cable (for upgrades)
- 1 x User Manual for BMW Code Reader

ANCEL is Committed to Solving Automotive Aftermarket Problems
For More Than 10 Years.



 **COST-EFFECTIVELY**

 **CONVENIENTLY**

Image: A visual representation of all items included in the ANCEL BM700 PRO package.

SETUP AND FIRST USE

The ANCEL BM700 PRO is designed for plug-and-play operation, requiring no complex setup or external power. Simply connect it to your vehicle's OBD2 port to begin diagnostics.

Connecting the Device

1. Locate your vehicle's OBD2 diagnostic port, typically found under the dashboard on the driver's side.
2. Ensure the vehicle's ignition is turned **ON** (engine off).
3. Plug the BM700 PRO's OBD2 connector firmly into the vehicle's port. The device will power on automatically.

UPGRADED **AUTO V-I-N**

No more guessing what's
wrong with your car!



BM700



BM700 Pro

Scan Smart, Work Less

Image: A visual comparison highlighting the upgraded AUTO V-I-N feature of the BM700 PRO.

Automatic VIN Recognition

One of the key enhancements of the BM700 PRO is its AUTO V-I-N feature. Upon connection, the scanner will automatically read your car's Vehicle Identification Number (VIN), retrieve vehicle details, and initiate a scan of all available systems. This streamlines the diagnostic process, eliminating the need for manual model selection.



Image: The device screen displaying the automatic VIN recognition process and vehicle details.

Demonstration Video: Battery Registration Tool

Your browser does not support the video tag.

Video: This official ANCEL video demonstrates the connection process and highlights the battery registration function of the BM700 PRO.

OPERATING THE DEVICE: CORE FUNCTIONS

Full System Diagnostics for BMW, Mini, and Rolls-Royce

The BM700 PRO provides in-depth diagnostics for all electronic control units (ECUs) within compatible BMW, Mini, and Rolls-Royce vehicles. This includes reading and clearing fault codes from systems such as the engine, transmission, ABS, airbags, tire pressure monitoring, and more. It allows for comprehensive control over body, chassis, and drivetrain modules.



Image: An illustration depicting the full range of vehicle systems covered by the diagnostic tool, including ABS/DSC, EGS/SMG, Airbag, and ECM.



Image: Details on ECM (Engine Control Module) and ABS/DSC (Anti-lock Braking System/Dynamic Stability Control) functions.



Image: Details on EGS/SMG (Electronic Gearbox System/Sequential Manual Gearbox) and Airbag System functions.



Image: Details on INSTR (Instrument Cluster) and IHKA (Integrated Heating and Air Conditioning) functions.



Image: Details on CAS (Car Access System) and ZGM (Central Gateway Module) functions.



Image: Details on EKPS (Electronic Fuel Pump Control) and EME (Electric Machine Electronics) functions.

Hot Service Resets

The BM700 PRO offers a variety of essential reset services to maintain your vehicle's longevity and performance. These include:

- **Battery Registration (BAT Reset):** Essential after replacing a car battery to ensure proper charging and system integration.
- **Oil Reset:** Resets the oil service light after an oil change.
- **Electronic Parking Brake (EPB) Reset:** Required when replacing brake pads or performing maintenance on the EPB system.
- **Electronic Throttle Control System (ETCS) Reset:** Relearns the throttle body position.
- **Tire Pressure Monitoring System (TPMS) Reset:** Resets TPMS warnings after tire rotation or sensor replacement.
- **ABS Bleeding:** Performs bleeding functions for the Anti-lock Braking System.
- **Steering Angle Sensor (SAS) Reset:** Calibrates the steering angle sensor.
- And more, including CBS Function (Service Function), Reset Control Unit, Coding Injector, and DPF Reset.



14+ MAINTENANCE SERVICES

Other Special Service	Common Reset
▶ CBS Function(Service Function)	▶ BAT Reset
▶ Reset Control Unit	▶ Oil Reset
▶ ECM Engine Control Module	▶ EPB Reset
▶ EGS Transmission Control	▶ ETCS Reset
▶ VTG Transfer Case	
▶ Battery Management	
▶ Steering Angle Sensor	
▶ Clear Adaptations	
▶ ABS/ACS/DSC Dynamic Stabilit.	
▶ Tire Pressure warning Reset	
▶ Electric Fuel Pump	
▶ CAS Reset	
▶ Reset Internal ELV Fault Counter	

More

Image: A comprehensive view of the 14+ maintenance services offered by the BM700 PRO, including common resets and special functions.

3-Step Quick Battery Reset

Performing a battery reset is crucial after battery replacement to ensure the vehicle's charging system functions correctly and avoids potential issues.

1. **Step 1:** Replace/install the new battery (original or same type).
2. **Step 2:** Switch on the ignition (engine off).
3. **Step 3:** Select 'Quick Mode (Common)' on the device and click 'Register Battery Change'.

3-STEP QUICK BATTERY RESET



STEP 1

Replace/install the new battery
(original or same type)

STEP 2

Switch on
the ignition(engine off)

STEP 3

Select 'Quick Mode (Common)'
Click 'Register Battery Change'



Image: A visual guide illustrating the three simple steps to perform a battery reset using the BM700 PRO.

One-Click I/M Readiness Check

Prepare your vehicle for annual inspections with the one-click I/M Readiness function. This feature quickly displays the SMOG test screen, indicating whether your vehicle is ready to pass emissions tests. It also provides real-time data streams for various parameters.



Image: The BM700 PRO screen displaying the results of an I/M Readiness check, indicating system status for emission components.

Live Data Stream

Monitor your vehicle's performance in real-time with the live data stream function. This allows you to view parameters such as coolant temperature, fuel pressure, airflow, and more, displayed in easy-to-read graphs or text format. This feature is invaluable for diagnosing intermittent issues and understanding vehicle behavior.



Image: An illustration showing various data points monitored by the live datastream function, providing real-time insights into vehicle operation.

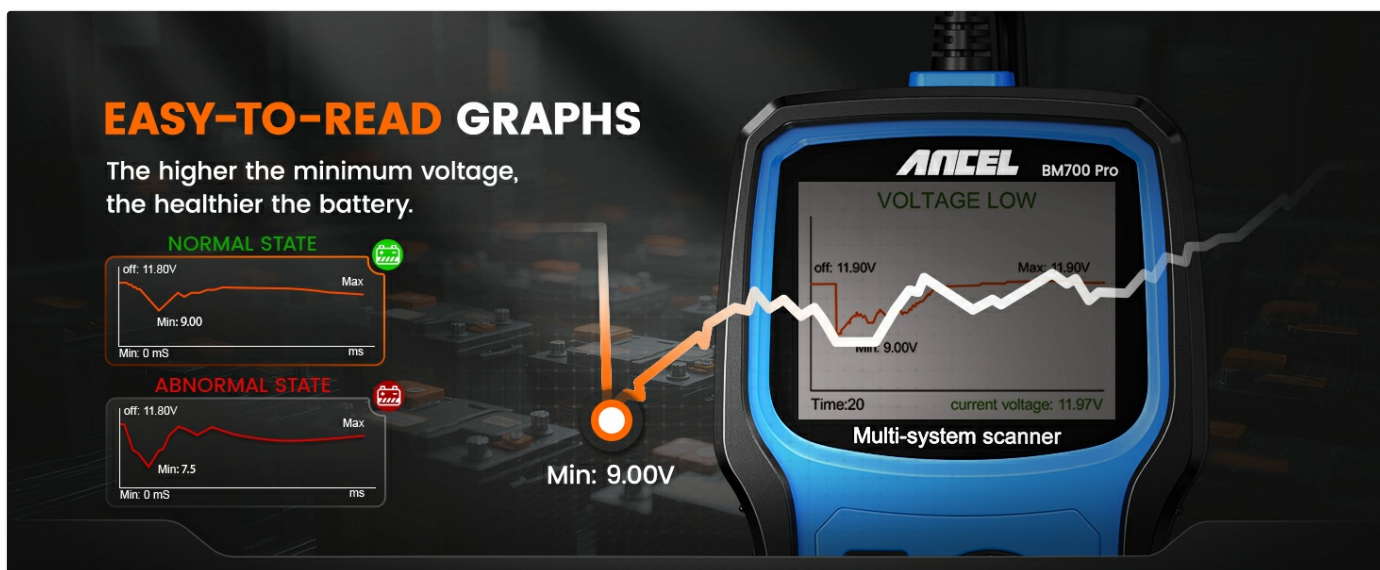


Image: The device screen showing a live data stream graph, illustrating voltage fluctuations for diagnostic purposes.

OBD2 6 Modes for Most Vehicles

Beyond BMW-specific functions, the BM700 PRO supports standard OBD2 diagnostic modes for most 12V vehicles manufactured in 2000 or later that are OBDII-compliant with 16-pin OBDII protocols. This allows you to:

- Read and clear generic fault codes (DTCs).
- View freeze frame data.
- Perform O2 sensor tests.
- Conduct EVAP system tests.
- Retrieve vehicle information (VIN, Cal ID, CVN).
- Monitor real-time parameter display to understand your vehicle's status.

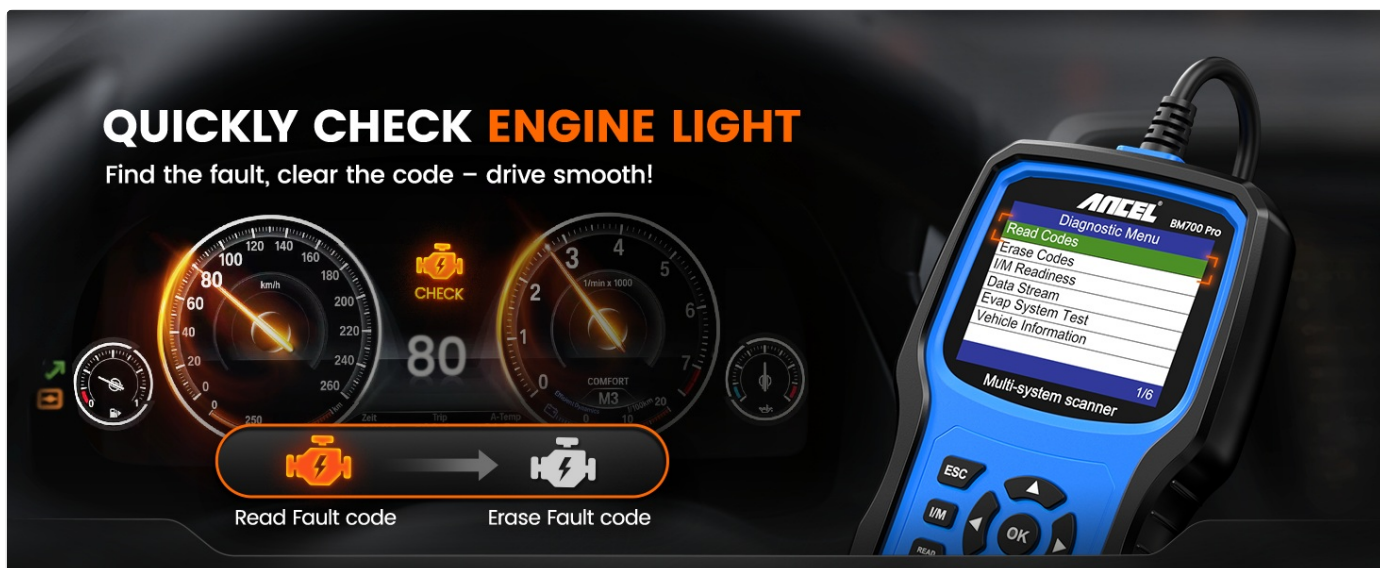


Image: The diagnostic menu on the BM700 PRO, showing options for reading and erasing fault codes, and other OBD2 functions.

SETTINGS AND CUSTOMIZATION

The BM700 PRO offers several customizable settings to enhance user experience:

- **Multi-language Support:** The device defaults to English and German, with additional language packs (French, Spanish, Italian, etc.) available for download from the official ANCEL website.
- **Dual-mode Display:** Features a customizable Day/Night theme for optimal visibility in all lighting conditions.
- **Beeper Control:** Adjust or disable audible alerts.
- **Unit of Measure:** Switch between metric and imperial units.



Image: The language selection menu on the BM700 PRO, showing support for 12 different languages.



Image: The device illustrating its switchable Day/Night modes for display optimization and its robust, drop-resistant craftsmanship.

MAINTENANCE AND UPDATES

To ensure your ANCEL BM700 PRO remains up-to-date with the latest vehicle models and diagnostic protocols, firmware updates are periodically released.

How to Upgrade Firmware

- Step 1:** Go to the official ANCEL website and search for "BM700 PRO".
- Step 2:** Click on "VIEW MORE" for the product.
- Step 3:** Click "Downloads" to find the latest firmware.
- Step 4:** Connect the BM700 PRO to your computer using the provided USB cable.
- Step 5:** Decompress the downloaded package and install the update. (Supports Windows 7/8/10/11 for upgrade ONLY).



Image: A step-by-step visual guide on how to upgrade the firmware of your ANCEL BM700 PRO using a computer and USB cable.

TROUBLESHOOTING (FAQ)

Q1: What is the difference between BM700 and BM700 Pro?

A1: The BM700 PRO upgrades the BM700 with automatic VIN reading and system scanning, simplifying diagnostics and boosting efficiency.

Q2: How to diagnose airbag system failures for BMW?

A2: The BM700 PRO can accurately diagnose the fault of the airbag system and explain the reason. When you fix the fault, you can use the BM700 PRO to clear the fault code and turn off the airbag warning light.

Q3: What should I pay attention to before using this product?

A3: Please ensure the OBDII interface on the vehicle is at normal voltage. If the vehicle voltage is lower than 6.5V or higher than 24V, the device will not work properly. Also, turn on the ignition switch and turn off the engine.

Q4: Why can't the device clear the fault codes?

A4: If the vehicle itself has a hard fault, it must be repaired before clearing the fault code. The device can only clear codes once the underlying issue is resolved.

SPECIFICATIONS

Feature	Detail
Brand	ANCEL
Model	BM700 PRO Blue
Product Dimensions	4.25"L x 2.52"W x 7.87"H
Item Weight	14.8 ounces
Operating System	Embedded System
Display Resolution	320x240
Automotive Fit Type	Vehicle Specific Fit (BMW, Mini, Rolls-Royce)
Country of Origin	China

WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your ANCEL BM700 PRO, please refer to the official ANCEL website or contact their customer service directly. Keep your purchase receipt for any warranty claims.