

Διαγνωστικός σαρωτής Ancel BM700 OBD2

ANCEL · EAN 0608410128231

Machine translation from Polski. In case of doubt the manufacturer's original document prevails.

OBD2 Diagnostic Scanner Ancel BM700

User Manual

To prevent bodily injury or damage to vehicles and/or the scanning tool, please read this user manual first and follow at least the following precautions while working on the vehicle: Car tests should always be conducted in a safe environment. Do not attempt to operate or observe the device while driving the vehicle. Operating or observing the device will distract the driver and may lead to a fatal accident. Protective eyewear meeting ANSI standards should be worn. The vehicle should be operated in a well-ventilated workspace: exhaust fumes are toxic. Set the transmission to PARK (for automatic transmission) or NEUTRAL (for manual transmission) and ensure that the parking brake is engaged. The diagnostic device should be kept dry, clean, and free from oil/water or grease. If necessary, use a mild detergent on a clean cloth to clean the external surface of the diagnostic device.

Product Information

1. Scope of Operation

1) BM700 supports vehicles from BMW, Mini, and Rolls-Royce. It operates in all systems such as engine, transmission, ABS, and airbags, etc. 2) Supports OBDII/EOBD modes.

2. Product Specifications

- 2.8" LCD screen with a resolution of 240x320 pixels.
- Operating voltage: 8 V~18 V.
- Operating temperature: 0°C~60°C (32~140°F).
- Storage temperature: -20°C~70°C (-4~158°F).

3. Appearance and Button Description

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The illustration shows the product appearance description.

1. LCD SCREEN — Displays test results. Backlit, resolution 320 x 240 pixels
2. [OK] BUTTON — Confirms selection (or action) from the menu.
3. ESC BUTTON = Cancels selection (or action) from the menu or returns to the menu.
4. [LEFT] SCROLL BUTTON ~ In menu mode, to navigate to the menu and submenu, move left, and while scrolling the data interface, using the left button allows you to go to the last screen.
5. [RIGHT] SCROLL BUTTON — In menu mode, moves right through the menu and submenu, while scrolling in the data interface, using the right button allows you to go to the next screen.
6. [UP] SCROLL BUTTON = In menu mode, moves up through the menu and submenu. When retrieving data for more than one screen, scroll up to the previous screen to get more data.
7. DOWN SCROLL BUTTON — In menu mode, moves down through the menu and submenu. When retrieving data for more than one screen, scroll down to the next screen to get more data.
8. OBD-16PIN CONNECTOR — Used to connect the scanner to the vehicle's Data Link Connector (DLC).
9. [I/M] BUTTON — Quick check of emissions readiness and verification of the drive cycle.

Notes:

MIL Yellow - MIL indicator on the dashboard ON

MIL Gray - MIL indicator on the dashboard OFF

The illustration shows the diagnostic scanner screen with I/M Readiness test results, showing ignition status, number of DTC codes, MIL light status, and completed status of the vehicle's system monitors (such as CCM, CAT, O2S, EVAP). X

not completed

10)0) [READ DTC] BUTTON - Quick access

Operating Instructions

1. Connect BM700

1.1 Turn on the ignition.

1.2 Locate the vehicle's 16-pin Data Link Connector (DLC).

2. BM700 Functions

2.1 For BMW

Select [For BMW], then select [BMW Series Diagnosis]. All car series will be displayed on the screen. As below:

The illustration shows the main screen of the diagnostic scanner with icons for various functions, and next to it the vehicle brand selection screen, where the BMW series

diagnostics option is highlighted. For example: Select [For 5 Series] and choose [G38 (2017–present)], the following message will be displayed:

The illustration shows the BMW vehicle series selection screen, with the "For 5 Series" option highlighted and the chassis selection screen, where the G38 (2017-present) model is highlighted.

2.2 Basic Functions

Select [Basic Functions], and the following screen will be displayed:

The illustration shows the function selection screen, where the "Basic Functions" option is highlighted next to the "Special Functions" and "Erase All Systems Fault Codes" options.

Scanning the system involves scanning all vehicle systems. Manual selection involves displaying all possible systems and selecting one for diagnostics. Select the [Manual Select] option, and the following screen will be displayed:

The illustration shows the diagnostic menu selection screen, where the "Manual Select" option is highlighted, and next to it, the available systems for diagnostics are visible, including "CAS Car Access System," "ECM Engine Control Module," and others.

For example: Select [ECM Engine Control Module], and the following message will appear:

The illustration shows the diagnostic system selection screen with the option "ECM Engine Control Module" highlighted, and the function selection screen where the options "Version Information", "Read Fault Codes", "Erase Fault Codes", and "Read Datastream" are available.

2.2.1 Version Information

Select the option [Version Information], and the following screen will appear:

The illustration shows the function selection screen with the option "Version Information" highlighted and the screen displaying the diagnostic index "0F2426".

Select the option [Read Fault Codes]. Press the up or down button to check each fault code as follows:

The illustration shows the function selection screen with the option "Read Fault Codes" highlighted and the screen displaying the fault code "29CF Combustion misfires Cylinder 3".

2.2.3 Erasing Fault Codes

Select the option [Erase Fault Codes], and then press the [OK] button, as shown below:

The illustration shows the function selection screen with the option "Erase Fault Codes" highlighted and the screen with a confirmation message for deleting fault codes. To erase the fault codes, press the [OK] button again or press the [ESC] button to cancel the erasure of fault codes, as follows:

The illustration shows the message screen informing about the successful deletion of fault codes and instructions to turn off and turn on the ignition for verification. 2.2.4 Reading Datastream

Select the option [Read Datastream], and then press the [OK] button, as shown below:

The illustration shows the diagnostic tool screen with the "Select Function" menu and the option "Read Datastream" highlighted for reading the datastream. Select the option [Select Items] and press the [OK] button as follows:

The illustration shows the diagnostic tool screen with the "Select Function" menu with the option "Select Items" highlighted and the "Select Datastream" screen with a list of parameters to choose from, such as engine speed and DISA potentiometer voltage. Press the [LEFT] and [RIGHT] buttons to navigate through the pages. Press the [UP] and [DOWN] buttons to select sequentially. Press the [OK] button to select the datastream. Press the [ESC] button to read the datastream. 2.3 Special Functions

Select [Special Functions], and the following screen will appear:

The illustration shows the diagnostic tool screen with the "Select Function" menu, where the option "Special Functions" is highlighted, and the screen with a list of available special functions, such as CBS Function, Reset Control Unit, or Battery Management. 2.3.1 CBS Functions

Select [CBS Function (Service Function)], and the following screen will appear:

The illustration shows the "CBS Function (Service Function)" menu screen with the option "Oil reset" highlighted and an information screen describing the engine oil reset function and vehicle control. [CBS reset 1]: Engine oil, spark plugs, front brakes, rear brakes, coolant, particulate filter, brake fluid, microfilter, vehicle inspection, exhaust emission control, vehicle control. [CBS reset 2]: Oil service, inspection, time interval, proper continuation of service, displaying the status of the inspection interval. [CBS Correction]: Engine oil, spark plugs, front brakes, rear brakes, coolant, particulate filter, brake fluid, microfilter, vehicle control, exhaust emission control, vehicle control. 2.3.2 ECM Engine Control Module

Select the option [ECM Engine Control Module], and the following screen will appear:

The illustration shows the "Select Function" menu screen with the option "ECM Engine Control Module" highlighted and the screen with a list of ECM module functions, including "Reset adaptation values", "Idle speed", and "Learning Valvetronic limit position". 2.3.3 Battery Management

Select the option [Battery Management], and the following screen will appear:

The illustration shows the "Select Function" menu screen with the option "Battery Management" highlighted and the "Special Functions" screen with a description of the

function for displaying the mileage of the last battery replacement and registering the replacement. Step 1: Use the up or down button to select option (2), and then press the [OK] button to register the battery replacement and display the following menu:

The illustration shows the "Special Functions" screen with the selected option for registering the battery replacement and instructions to perform the test with the engine off. Step 2: Use the up or down button to select option (1), and then press the [OK] button to display the following menu:

The illustration shows the "Special Functions" screen showing the process of registering the battery replacement in the DME/DDE module and a message confirming the successful completion of the registration.

2.3.4 Electronic Parking Brake EPB

Select [EPB Electronic Parking Brake], and the following message will appear:

The illustration shows the "Select Function" menu screen with the selected option [EPB Electronic Parking Brake] and the "EPB Parking Brake" screen with options regarding workshop mode and automatic holding during startup.

2.3.5 Steering Angle Sensor

Select [Steering Angle Sensor], and the following screen will appear:

The illustration shows the "Select Function" menu screen with the highlighted option [Steering-angle Sensor] and the "Information" screen with instructions to set the wheels straight and the steering wheel in a horizontal position before initializing the steering angle sensor.

Note: The special functions of each model vary, please follow the actual operation.

2.4 Erasing All System Fault Codes

Select [Erase All Systems Fault Codes], and the following screen will appear:

The illustration shows the "Select Function" menu screen with the highlighted option [Erase All Systems Fault Codes] and the "Information" screen with a message confirming the erasure of all system fault codes. To erase the fault codes, you must press the [OK] button again. You can also press the [ESC] button to cancel the erasure of fault codes. After the fault codes are erased, the following message appears. The illustration shows the "Information" screen with a message confirming the successful erasure of fault codes and instructions to turn off and turn on the ignition for verification.

Note: Applies to BMW vehicles manufactured after 2003.

3. OBDII System

3.1 Reading Codes

- 1) Using the up/down scroll button, select the Read Codes option from the diagnostic menu and press [OK]. The illustration shows the diagnostic menu screen with the highlighted option "Read Codes" for reading OBDII system fault codes.
- 2) Displaying DTC codes and their definitions on the screen. The illustration shows the DTC screen displaying fault code P0143 and its description: "O2 Sensor Circuit Low Voltage Bank 1 Sensor 3."

3.2 Erasing Codes

- 1) Using the UP/DOWN scroll buttons, select the Erase Codes option from the diagnostic menu and press the [OK] button. The illustration shows the diagnostic menu screen with the highlighted option "Erase Codes" for erasing fault codes.
- 2) A warning message will appear asking for confirmation. The illustration shows a screen with a warning message asking for confirmation to erase diagnostic data related to emissions.
- 3) Press [OK] to confirm. The illustration shows two screens confirming the procedure for erasing diagnostic data – the first asks to turn on the ignition and press [OK], and the second informs about the successful deletion of diagnostic data related to emissions.

3.3 I/M Readiness

Using the UP/DOWN scroll button, select the I/M Readiness option from the diagnostic menu and press the [OK] button. The illustration shows the option selection screen "I/M Readiness" in the diagnostic menu and the next screen where you can choose:

Since DTCs Were Cleared (since the DTC codes were cleared)

This Drive Cycle (for the current drive cycle) preparing the readiness report for vehicle emissions testing.

3.4 Data Stream

Using the UP/DOWN scroll button, select the Data Stream option from the diagnostic menu and press the [OK] button. The illustrations show the diagnostic menu view with the highlighted option "Data Stream" and the "Datastream" screen with the option to choose "View All Items" or "Select Items."

3.5 Evaporative System Leak Test

Using the up/down scroll button, select the "Evaporative System Leak Test" option from the diagnostic menu and press the [OK] button. The illustrations show the diagnostic menu view with the highlighted option "Evap System Test" and a screen informing that the evaporative system leak test is not supported.

3.6 Vehicle Information

Using the UP/DOWN scroll button, select the Vehicle Information option from the diagnostic

menu and press the [OK] button. The illustrations show the diagnostic menu view with the highlighted option "Vehicle Information" and a screen with vehicle information, including VIN, Calibration ID (CID), and Calibration Verification Number (CVN).

4. Tool Configuration

4.1 Language

Select [Language], and the following screen will appear:

Interface languages: English, French, German, Spanish, Russian, Portuguese, Swedish, Finnish, Norwegian, Danish, Italian

The illustrations show the tool configuration menu view with the highlighted option "Language" and the language selection screen, where the available languages are visible, including English, Swedish, Finnish, and Norwegian.

4.2 Sound Signal

Select the [Sound Signal] option, and the following screen will appear:

The illustrations show the configuration tool menu view with the "Beeper" option selected and the sound signal setting selection screen with "OFF" and "ON" options.

4.3 Instructions (displayed at startup)

Select the [Instructions (displayed at startup)] option, and the following screen will appear:

The illustrations show the configuration tool menu view with the "Instructions (Display at startup)" option selected and the instruction display selection screen at startup with "OFF" and "ON" options.

4.4 Unit of Measure

Select the unit of measure, and the following screen will appear:

The illustrations show the configuration tool menu view with the "Unit of Measure" option selected and the unit of measure selection screen with "Metric" and "Imperial" options.

4.5 Device Visual Interface Style

Select the unit of measure, and the following result will appear:

The illustrations show the configuration tool menu view with the "Skin Style" option selected and the visual interface style selection screen with "Sky Gray" and "Gem Blue" options.

4.6 Feedback

1. If a connection error with the vehicle or another issue occurs during use, please use the feedback function. Select [Feedback], and the following screen will appear:

The illustrations show the configuration tool menu view with the "Feedback" option selected and the feedback screen with instructions for performing functions that require feedback and

connecting the device to a computer after completing the procedure. Then: Press the ESC button several times and return to the main menu.

2. For example: Battery replacement registration failure. Select the [Register Battery Replacement] option and re-register the battery replacement (this step is very important).

Note: During the above actions, the tool should remain connected to the car.

3. After registering the battery replacement, disconnect the tool from the car.

4. Transfer the data to the computer and generate a feedback file (you need to download the update file to the computer from the ANCEL website). The device is connected to the computer via a USB cable. The illustrations show the ANCEL diagnostic device connected to the computer via a USB cable for data transfer and generating a feedback file. Select the "Update" file, and the following screen will appear:

Click "Feedback," and the following screen will appear:

Please send the feedback.bin file to support@anceltech.com.

4.7 Device Information

Select the Device Information option, and the following screen will appear:

The illustrations show the configuration tool menu view with the "Device Information" option selected and the screen with device information, including software version, hardware version, and serial number.

5. Update

1. Download the update software.

2. Connect the device to the computer using a USB cable. The illustrations show the ANCEL diagnostic device connected to the computer via a USB cable for performing the software update.

3. The update software is only supported by Windows 7/8/10 systems. *If the computer system is Windows 7, click "install driver.bat" in the driver files to install the driver.

1. Click the "driver" file

2. Click "install driver.bat" to install the driver.

3. Click "Update." *Windows 8/10 can directly run the update software.

Manufacturer:

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Responsible entity

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Environmental Protection

Used electronic equipment marked according to the European Union directive must not be disposed of together with other municipal waste. It is subject to selective collection and recycling at designated points. By ensuring its proper disposal, you prevent potential negative consequences for the natural environment and human health. The collection system for used equipment complies with locally applicable environmental protection regulations regarding waste disposal. Detailed information on this topic can be obtained from the municipal office, waste management facility, or the store where the product was purchased. The product meets the requirements of the so-called New Approach directives of the European Union (EU) concerning safety, health protection, and environmental protection, identifying hazards that should be detected and eliminated. This document is a translation of the original user manual created by the manufacturer.

Detailed information about the distributor/manufacturer warranty conditions is available on the website <https://serwis.innpro.pl/gwarancja>. The product should be regularly maintained (cleaned) at the user's own expense or by specialized service points. In the absence of information about necessary periodic or service maintenance actions in the user manual, the user should regularly, at least once a week, assess the deviation of the product's physical condition from that of a physically new product. If any deviation is detected or identified, urgent maintenance (cleaning) or service steps should be taken. Failure to perform proper maintenance (cleaning) and to react upon detecting a state of deviation may lead to permanent damage to the product. The guarantor is not responsible for damages resulting from negligence. Importer INNPRO Robert Błędowski sp. z o.o. ul. Rudzka 65c 44-200 Rybnik, Poland tel. +48 533 234 303 hurt@innpro.pl www.innpro.pl Warnings and safety information All information regarding the operation of the device can be found in the user manual.

Before you start using it, familiarize yourself with its content and follow the instructions contained therein. Before use, also review the following information: Usage warnings

Electrical safety: ●Ensure that the device is connected to the appropriate sockets (e.g., 12V in the car or 230V at home) according to the manufacturer's recommendations. ●Do not use the device if the power cords, plugs, or housings are damaged to avoid the risk of short circuit or electric shock. ●Diagnostic devices and automotive accessories should only be

connected to the appropriate OBD ports in the vehicle to prevent damage to the vehicle or the device. Moisture protection: ●Electrical devices, such as diagnostic scanners or battery testers, should not be exposed to water unless they are marked as waterproof. ●Avoid contact of the device with moisture, especially when working in humid conditions, to prevent damage to the electronics. Mechanical safety: ●Keep the device away from moving parts to avoid injury, especially in the case of devices that may have mechanical components (e.g., diagnostic plugs, connectors). ●Use the device with caution, especially near sensitive surfaces of the vehicle, to prevent scratching or damage. Overheating hazard: ●Do not use the device for long periods without interruption. Follow the manufacturer's recommendations regarding maximum operating time to avoid overheating. ●After finishing work, turn off the device to prevent overheating or damage. Information on proper usage Preparation for operation: ●Before use, check that the device is in good technical condition and that all cables and connectors are functional. ●Ensure that the workspace is well-lit and free of obstacles to minimize the risk of accidents. Operation of devices: ●OBD2 diagnostic scanners: Use the device as intended – for diagnosing vehicle systems. Always ensure that the device is correctly connected to the OBD port. ●Battery testers: Use according to the instructions to accurately measure the battery charge level, avoiding damage to its system. Maintenance and storage: ●Regularly check the condition of the device and accessories (e.g., cables, connectors) to ensure their long-term functionality. ●Store the device in a dry, cool place, away from heat and moisture sources. Safe use of chemicals (applies to diagnostic accessories): ●If using any cleaning agents for the device, ensure that they are safe and comply with the manufacturer's instructions. Additional precautions Environmental protection: ●Used devices, accessories, and parts should be disposed of in accordance with local environmental protection regulations. ●Water from washing and chemicals used for equipment maintenance should be disposed of according to applicable ecological standards. Safety when working near children: ●Diagnostic and testing devices are not toys. Store them in a place inaccessible to children to prevent accidental activation or damage.