USER'S MANUAL

BM500



SAFETY PRECAUTIONS

To prevent personal injury or damage to vehicles and/or the scan tool, read this instruction manual first and observe the following safety precautions at a minimum whenever working on a vehicle:

Always perform automotive testing in a safe environment.
Do not attempt to operate or observe the tool while driving a vehicle. Operating or observing the tool will cause driver distraction and could cause a fatal accident.
Wear safety eye protection that meets ANSI standards.
Operate the vehicle in a well ventilated work area: Exhaust gases are Poisonous.
Put the transmission in PARK (for automatic transmission) or NEUTRAL (for manual transmission) and make sure the parking brake is engaged.
Keep the scan tool dry, clean, free from oil/water or grease. Use a mild detergent on a clean cloth to clean the outside of the scan tool, when necessary.

ABOUT BM500

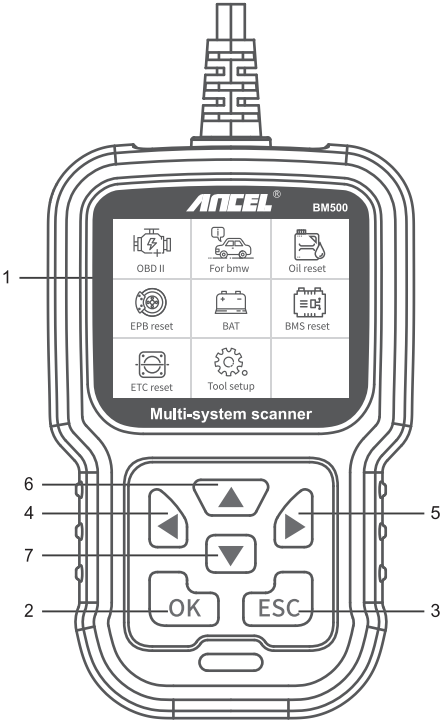
1. Coverage

1) BM500 supports for BMW, Mini and Rolls-Royce brand cars. It works on all the systems such as engine, transmission, ABS and airbag etc.
2) Supports OBDII/EOBD Modes of operation.

2. Product specification

- 2.4" 240x320 pixels LCD screen..
- Operating Voltage: 8V-18V.
- Operating Temperature: 0°C-60°C(32-140°F).
- Storage Temperature: -20°C-70°C(4-158°F).

3. Appearance and buttons description



1. LCD SCREEN – Indicates test results. Backlit, 320 x 240 pixels display
2. [OK] BUTTON – Confirms a selection (or action) from a menu.
3. [ESC] BUTTON – Cancels a selection (or action) from a menu or returns to the menu.

4. [LEFT] SCROLL BUTTON – In the menu mode through the menu and sub menu move to the left, when rolling in a data interface, use the left button can be moved to the last screen.
5. [RIGHT] SCROLL BUTTON – In the menu mode through the menu and sub menu item move to the right, when rolling in the data interface, use the right button can be moved to the next screen.
6. [UP] SCROLL BUTTON – In the menu mode through the menu and sub menu item moving up. When retrieving data for more than a screen by moving up the screen to the previous screen for more data.
7. [DOWN] SCROLL BUTTON – In the menu mode through the menu and sub menu item moves down. When retrieving data more than one screen, by moving down the screen to the next screen for more data.

OPERATION INSTRUCTIONS

1. Connect BM500

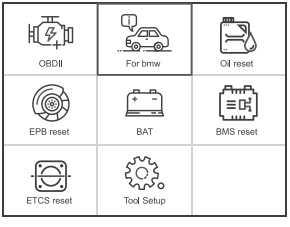
1.1 Turn the ignition on.

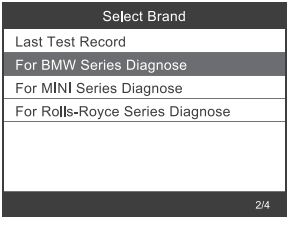
1.2 Locate the vehicle's 16-pin Data Link Connector (DLC).

2. BM500 Features

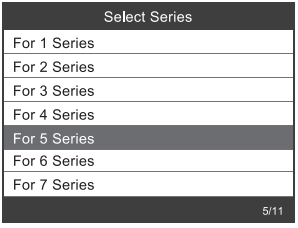
2.1 For bmw

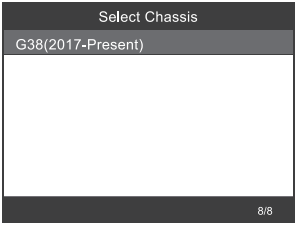
Choose [For bmw] and then select [For BMW Series Diagnose]. The screen will show all car series. As follow:





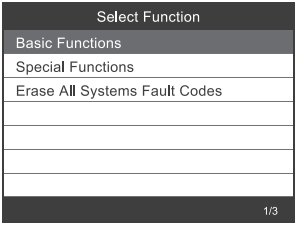
For example: Choose [For 5 Series] and select [G38(2017-Present)], it displays as follow:





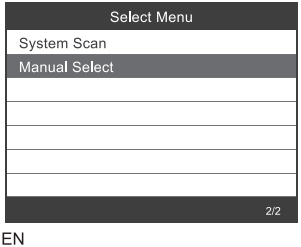
2.2 Basic Functions

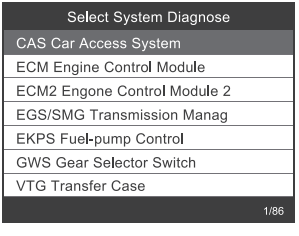
Choose [Basic Functions] and it displays as follow:



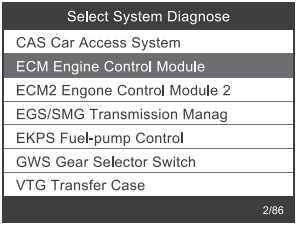
System scan is to scan all vehicle systems.
Manual Select is to display all possible systems, select one of the systems to diagnosis.

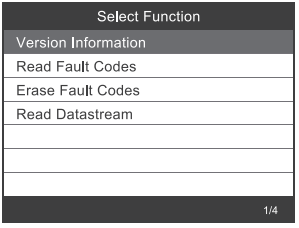
Choose [Manual Select] and it displays as follows:





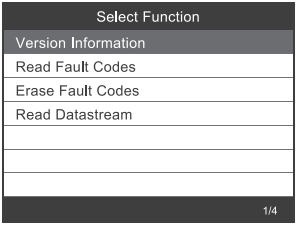
For example: Choose [ECM Engine Control Module] and it displays as follows:

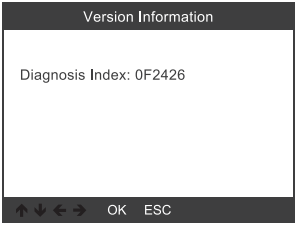




2.2.1 Version Information

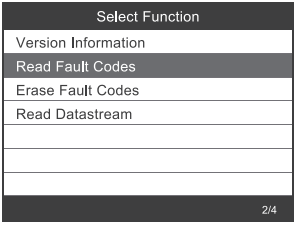
Choose [Version Information] and it displays as follows:





2.2.2 Read Fault Codes

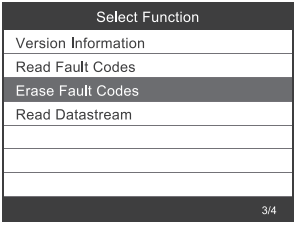
Choose [Read Fault Codes]. Press up or down button to check each fault code as follows:

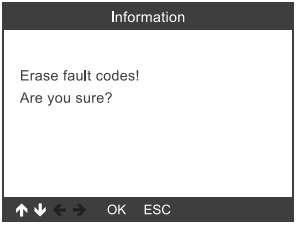




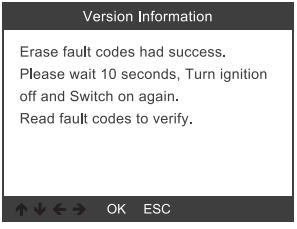
2.2.3 Erase Fault Codes

Choose [Erase Fault Codes] then press [OK] button as follows:



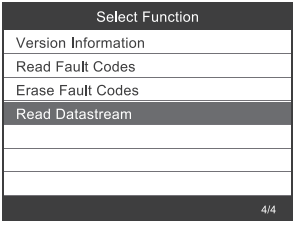


You need to press [OK] again to clear the fault codes, or you can press [ESC] button to give up clearing fault codes, as follows:

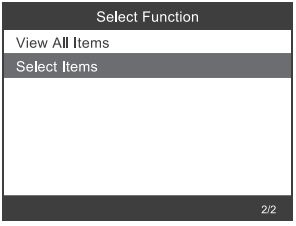


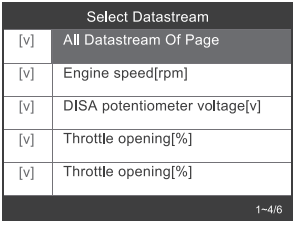
2.2.4 Read Datastream

Choose [Read Datastream] then press [OK] button as follow:



Choose [Select Items] and press [OK] button as follows:

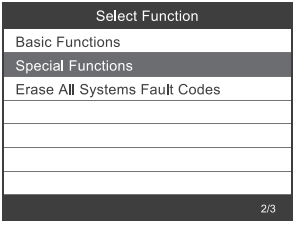


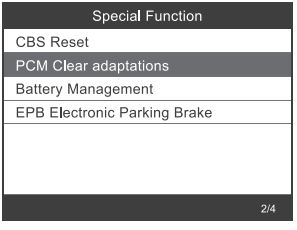


Press [LEFT] and [RIGHT] buttons to page
Press [UP] and [DOWN] buttons to select one by one
Press [OK] button to select the Datastream
Press [ESC] button to read Datastream

2.3 Special Functions

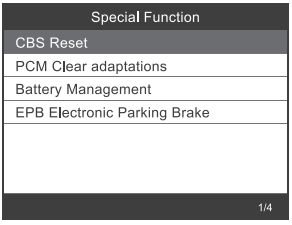
Choose [Special Functions] function step by step and it displays as follows:

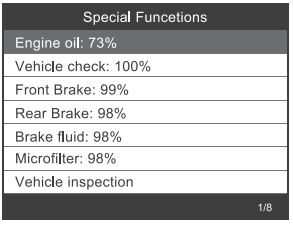




2.3.1 CBS Functions

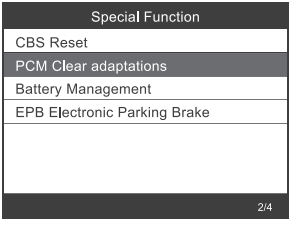
Choose [CBS Reset] function step by step and it displays as follow:

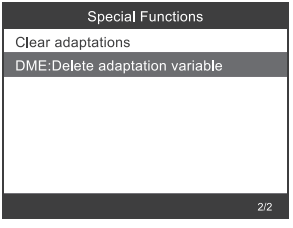


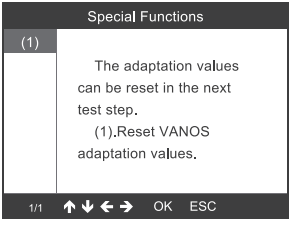


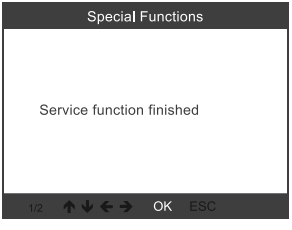
2.3.2 PCM Clear adaptations

Choose [PCM Clear adaptations] function step by step and it displays as follows:



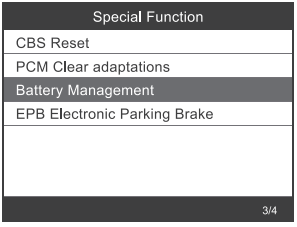


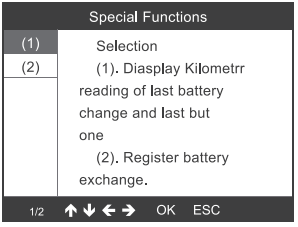




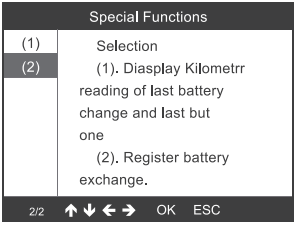
2.3.3 Battery Management

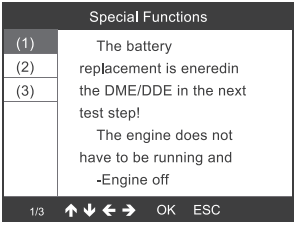
Choose [Battery Management] function step by step and it displays as follows:



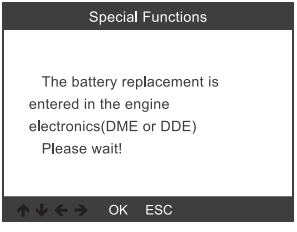


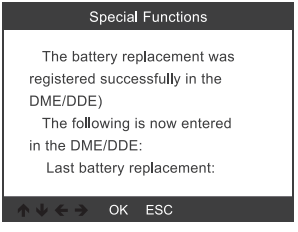
Step 1: Use the up or down button to select the (2) option and press the [OK] button to achieve register battery replacement and display the following menu:





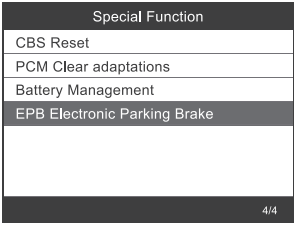
Step 2: Use the up or down button to select the (1) option and press the [OK] button to display the following menu:

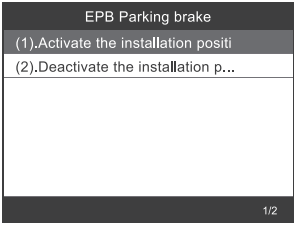


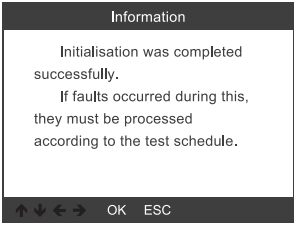


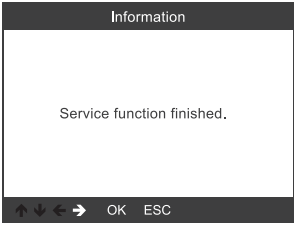
2.3.4 EPB Electronic Parking Brake

Choose [EPB Electronic Parking brake] function step by step and it displays as follows:





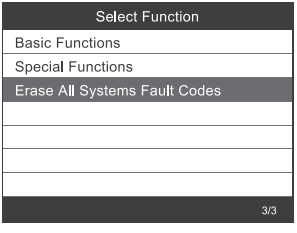


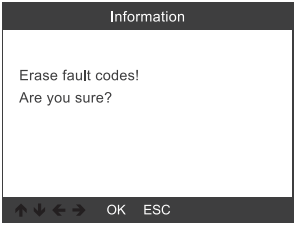


Note: The special features of each model are different, please according to the actual operation.

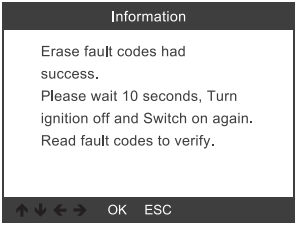
2.4 Erase All Systems Fault Codes

Choose [Erase All Systems Fault Codes] and it displays as follows:





You need to press [OK] again to clear the fault codes. Or you can press [ESC] button to give up clearing fault codes. It shows as the follow after clearing the fault codes.

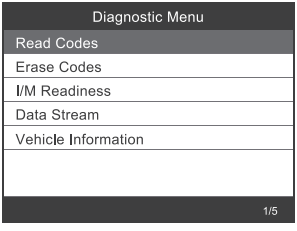


Note: For BMW car after 2003.

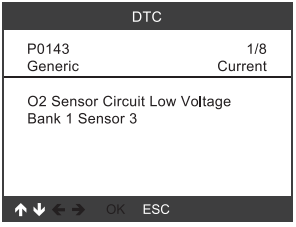
3. OBDII System

3.1 Read Codes

1) Use the UP/DOWN scroll button to select Read Codes from the Diagnostic Menu and press [OK].

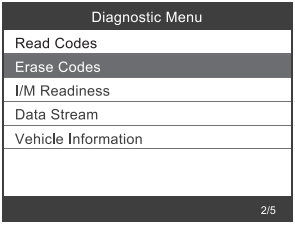


2) View DTCs and their definitions on screen.

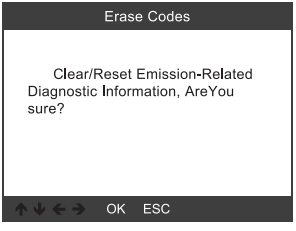


3.2 Erase Codes

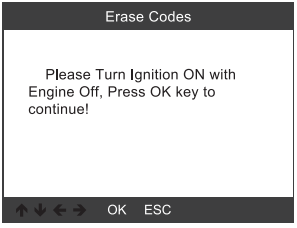
1) Use the UP/DOWN scroll buttons to select Erase Codes from the Diagnostic Menu and press [OK].

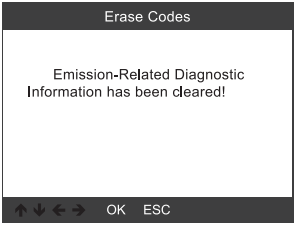


2) A warning message comes up asking for your confirmation.



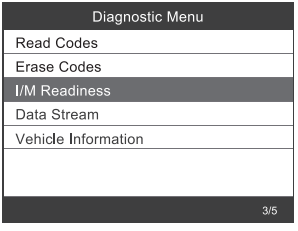
3) Press [OK] to confirm.

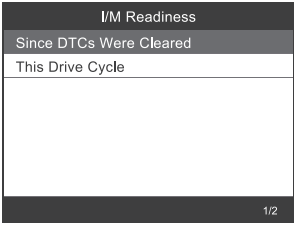




3.3 I/M Readiness

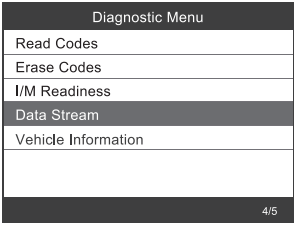
1) Use the UP/DOWN scroll button to select I/M Readiness from the Diagnostic Menu and press [OK].

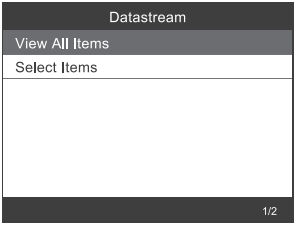




3.4 Data Stream

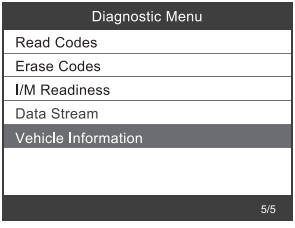
Use the UP/DOWN scroll button to select Data Stream from the Diagnostic Menu and press [OK].

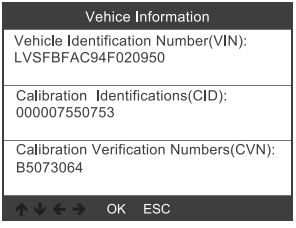




3.5 Vehicle Information.

Select [Vehicle Information] and press [OK],the screen will display the formation such as VIN (Vehicle identification Number) , CID (Calibration ID)and CVN (Calibration verify number).

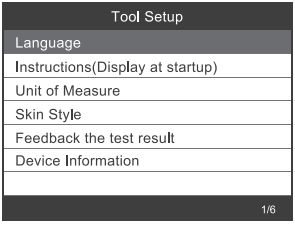


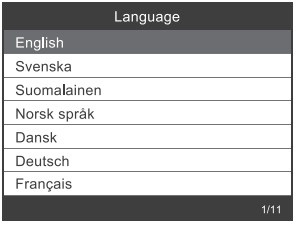


4. Tool Setup

4.1 Language

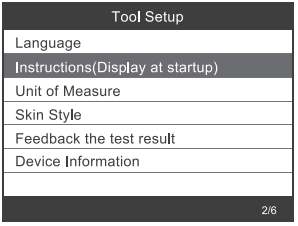
Choose [Language] and it displays as follows:
Interface languages： English, French, German, Spanish, Russian, Portuguese, Sweden, Finland, Norway, Denmark, Italian.

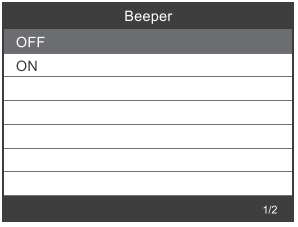




4.2 Instructions (Display at startup)

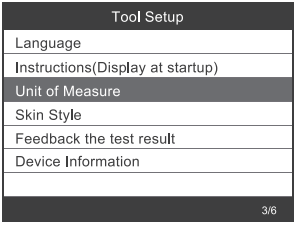
Choose [Instructions (Display at startup)] and it displays as follows:

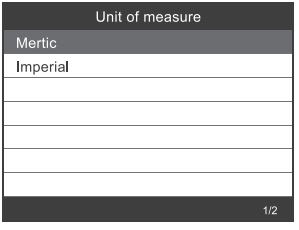




4.3 Unit of measure

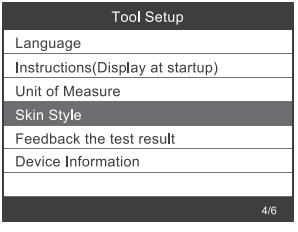
Choose Unit of measure and it displays as follows:





4.4 Skin Style

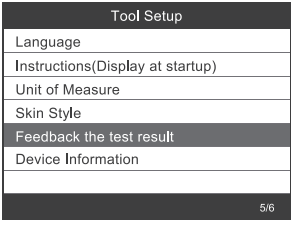
Choose Unit of measure and it displays as follows:

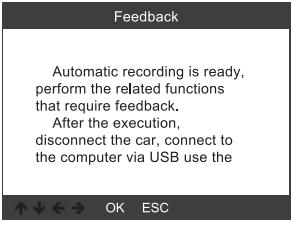




4.5 Feedback the test result

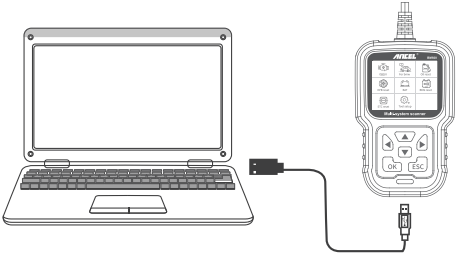
1. If it shows connected error with vehicle or other problem during using, please using the feedback function. Choose [Feedback the test result] and it displays as follows:



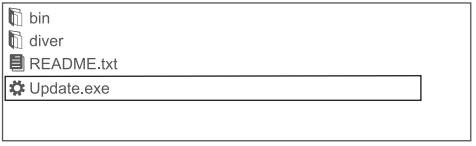


Next : Press ESC Button several times and return to the main menu.

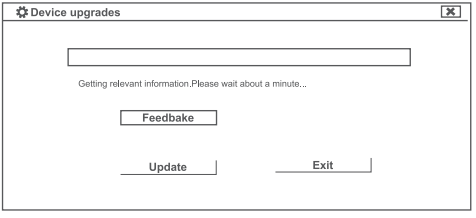
2. For example: Register battery change fail.
Select [Register battery change] option, and do Register battery change again (This step is very important).
Note : Keep tool connect with vehicle in above steps.
3.After doing register battery change, disconnect with car
4. Transfer data to your computer and generate feedback file (You need to download upgrade file on the computer from ANCEL website).The device is connected with computer through USB cable.

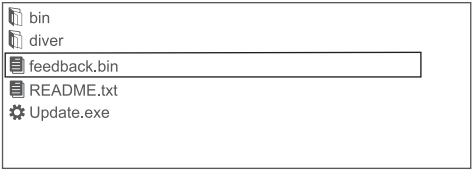


Choose “Update” file and it displays as follow:



Click “Feedback” and it displays as follow:

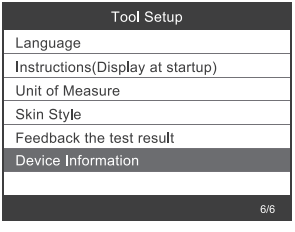


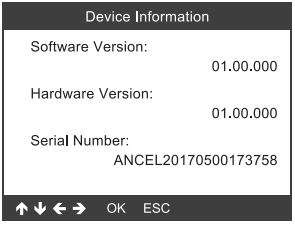


Please send the feedback.bin file to support@anceltech.com

4.6 Device Information

Choose Device Information and it displays as follows:

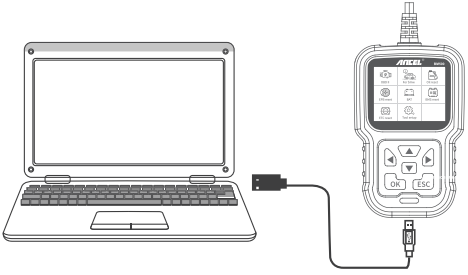




5. Update

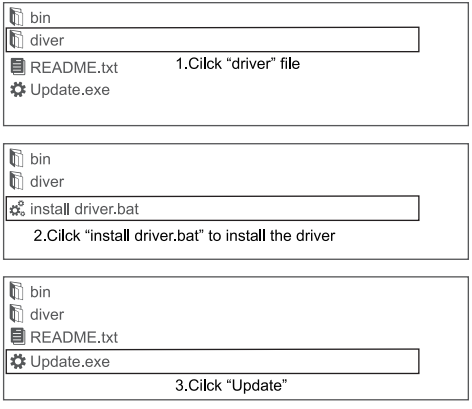
1. Download update software.

2. Connect the devise with computer through USB cable.



3. The update software is only supported by win7/8/10.

* Click "install driver.bat" in the driver files to install the driver, if computer system is Windows 7



* Windows 8/10 can run update software directly.

Warranty

1) This warranty is limited to the person who purchases ANCEL products.
2) ANCEL product is warranted against defects in materials and workmanship for one year (12 months) from date of delivery to the user.

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