

ANCEL[®]

USER'S MANUAL

BM700



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 BM700

1. Coverage

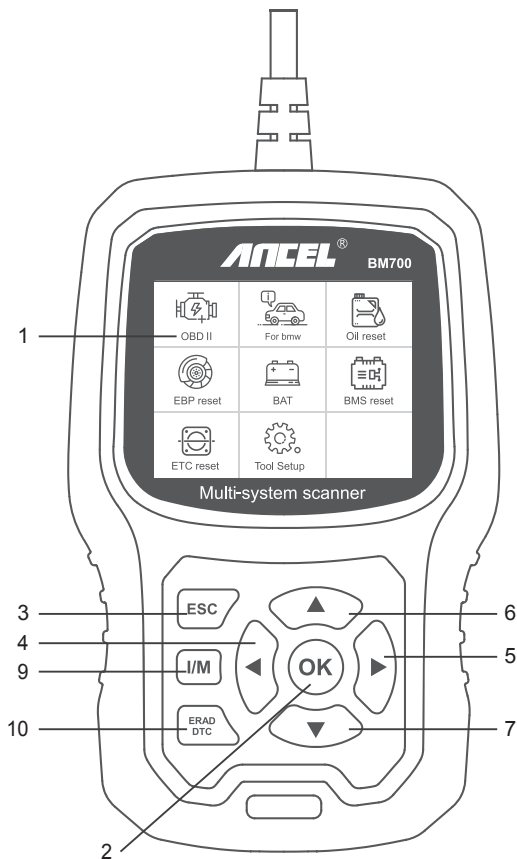
1) BM700 supports for BMW, Mini and Rolls-Royce brand cars. It works on all the systems such as engine, transmission, ABS and airbag etc.

2) Supports OBDII/EOBD Modes of operation.

2. Product specification

- 2.8" 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.
8. OBD-16PIN CONNECTOR – Connects the scan tool to the vehicle's Data Link Connector (DLC).
9. [I/M] BUTTON - Quick State Emissions readiness check and drive cycle verification.

I/M Readiness			
IGN	Spark	DTC	0
MIL		PdDTC	0
MIS	⊘	EVAP	⊘
FUE	✓	AIR	⊘
CCM	✓	O2S	✗
CAT	✓	HTR	✗
HCAT	⊘	EGR	⊘

Remarks:

MIL Yellow- Dashboard MIL ON

MIL Gray-Dashboard MIL OFF

⊘ -not support

✓ -complete

✗ -not complete

10. [READ DTC] BUTTON-Quick read the vehicle's fault codes.

OPERATION INSTRUCTIONS

1. Connect BM700

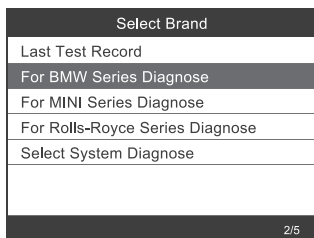
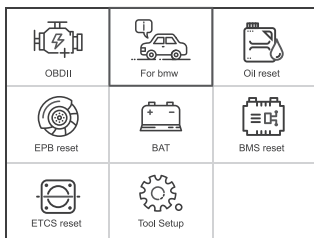
1.1 Turn the ignition on.

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

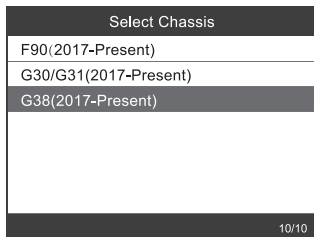
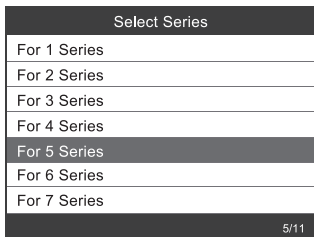
2. BM700 Features

2.1 For bmw

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



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:

Select Function
Basic Functions
Special Functions
Erase All Systems Fault Codes

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:

Select Menu
System Scan
Manual Select

Select System Diagnose
CAS Car Access System
ECM Engine Control Module
ECM2 Engone Control Module 2
EGS Transmission
ABS/ACS/DSC Dynamic Stabilit...
SRS Air Bag
FPB Electronic Parking Brake

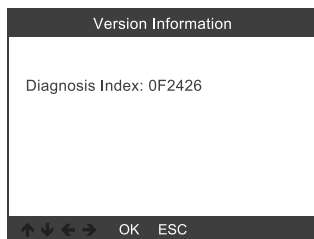
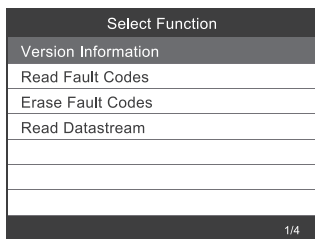
For example: Choose [ECM Engine Control Module] and it displays as follows:

Select System Diagnose
CAS Car Access System
ECM Engine Control Module
ECM2 Engone Control Module 2
EGS Transmission
ABS/ACS/DSC Dynamic Stabilit...
SRS Air Bag
FPB Electronic Parking Brake

Select Function
Version Information
Read Fault Codes
Erase Fault Codes
Read Datastream

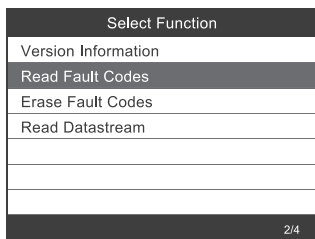
2.2.1 Version Information

Choose [Version Information] and it displays as follows :



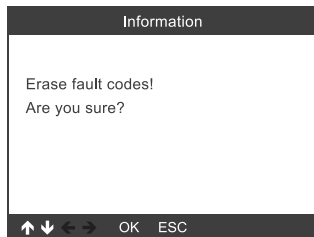
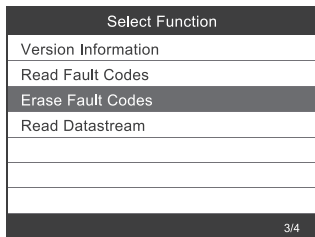
2.2.2 Read Fault Codes

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

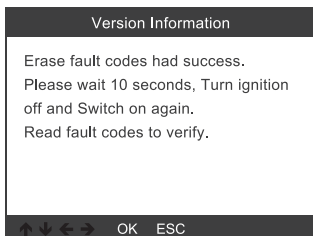


2.2.3 Erase Fault Codes

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

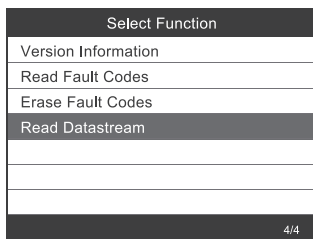


You need to press [OK] again to clear the fault codes, or you can press [ESC] button to give up clearing fault codes, as follows:

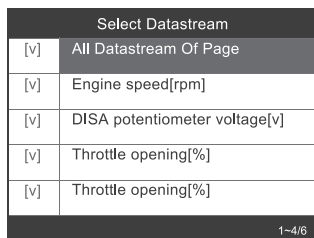
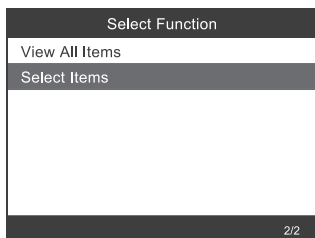


2.2.4 Read Datastream

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] and it displays as follows:

Select Function
Basic Functions
Special Functions
Erase All Systems Fault Codes
2/3

Select Function
CBS Function(Service Function)
Reset Control Unit
ECM Engine Control Module
Electric fuel pump
Battery Management
EPB Electronic Parking Brake
Steering-angle Sensor
1/9

2.3.1 CBS Functions

Choose [CBS Function (Service Function)] and it displays as follows:

CBS Function(Service Function)
Oil reset
CBS Reset
CBS Correction
1/3

Oil reset
This function will perform 'engine oil reset' and 'vehicle check reset'.
Note!
The vehicle check is related to the engine oil. After the oil is
↑ ↓ ← → OK ESC

[CBS reset 1]: Engine oil, Spark plugs, Front brakes, Rear brakes, Coolant, Diesel particle filter, Brake fluid, Micro filter, Vehicle inspection, Exhaust emission inspection, Vehicle check.

[CBS reset 2]: Oil service, Inspection, Time interval, Correct follow-on service, Display service interval status.

[CBS correction]: Engine oil, Spark plugs, Front brakes, Rear brakes, Coolant, Diesel particle filter, Brake fluid, Micro filter, Vehicle inspection, Exhaust emission inspection, Vehicle check.

2.3.2 ECM Engine Control Module

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

Select Function
CBS Function(Service Function)
Reset Control Unit
ECM Engine Control Module
Electric fuel pump
Battery Management
EPB Electronic Parking Brake
Steering-angle Sensor

3/9

ECM Engine Control Module
Reset adaptation values
Idle speed
Learning Valvtronic limit positi...

1/3

2.3.3 Battery Management

Choose [Battery Management] and it displays as follows:

Select Function
CBS Function(Service Function)
Reset Control Unit
ECM Engine Control Module
Electric fuel pump
Battery Management
EPB Electronic Parking Brake
Steering-angle Sensor

5/9

Special Functions	
(1)	Selection
(2)	(1). Diasplay Kilometr reading of last battery change and last but one
	(2). Register battery exchange.

1/2 ↑ ↓ ← → OK ESC

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:

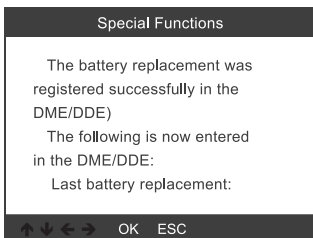
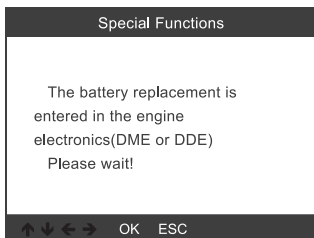
Special Functions	
(1)	Selection
(2)	(1). Diasplay Kilometr reading of last battery change and last but one
	(2). Register battery exchange.

2/2 ↑ ↓ ← → OK ESC

Special Functions	
(1)	The battery replacement is eneredin the DME/DDE in the next test step!
(2)	The engine does not have to be running and -Engine off
(3)	

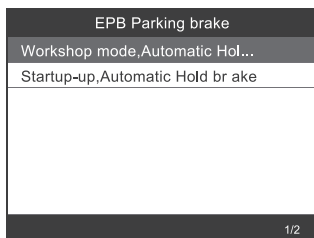
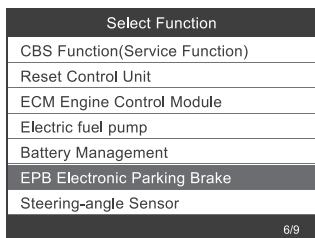
1/3 ↑ ↓ ← → OK ESC

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



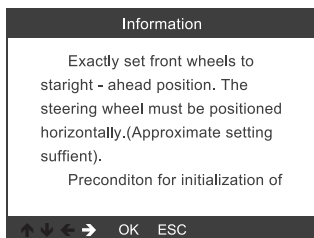
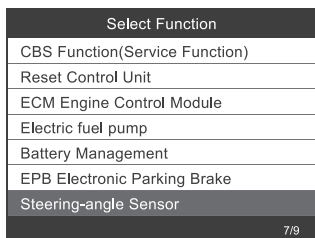
2.3.4 EPB Electronic Parking Brake

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



2.3.5 Steering-angle sensor

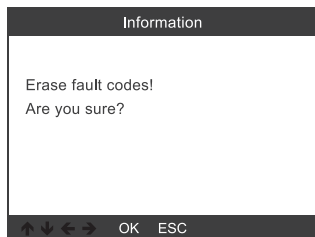
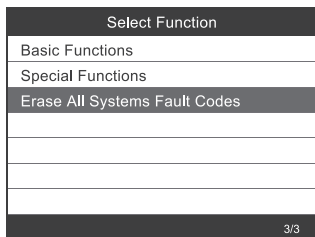
Choose [Steering-angle sensor] and it displays as follows:



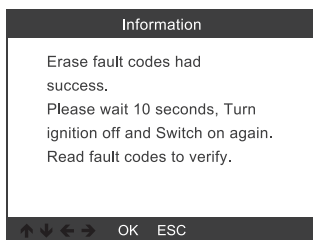
Note: The special features of each model are different, please according to the actual operation.

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.

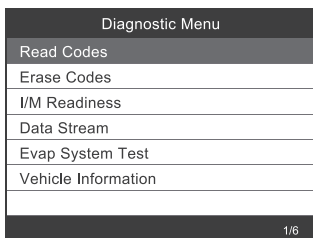


Note: For BMW car after 2003.

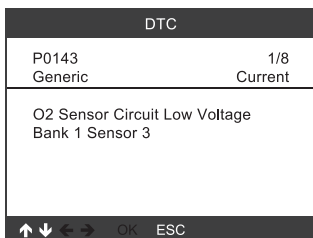
3.OBDII System

3.1 Read Codes

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

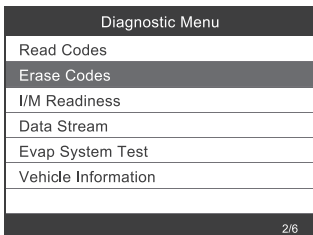


2) View DTCs and their definitions on screen.

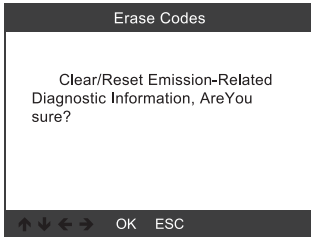


3.2 Erase Codes

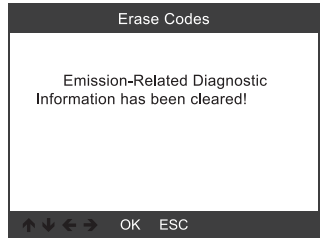
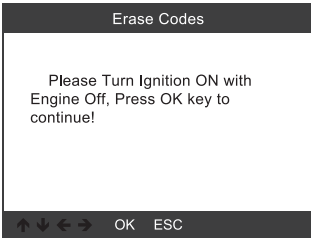
1) Use the UP/DOWN scroll buttons to select Erase Codes from the Diagnostic Menu and press [OK].



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

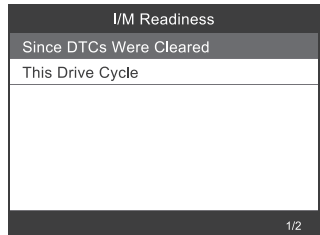
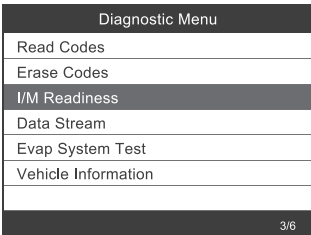


3) Press [OK] to confirm.



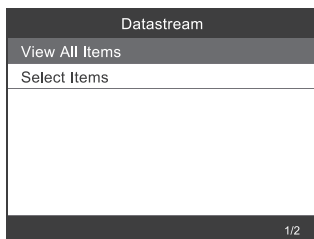
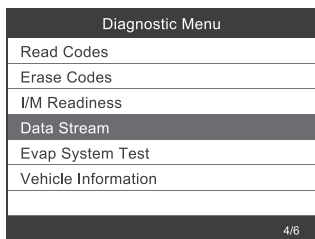
3.3 I/M Readiness

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



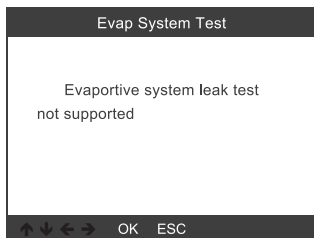
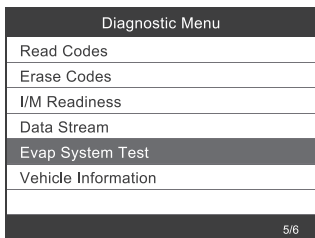
3.4 Data Stream

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



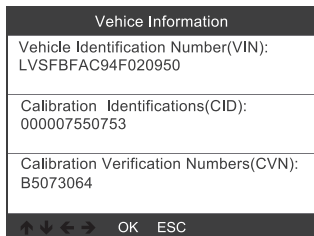
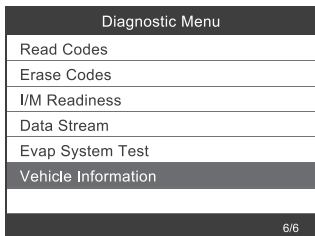
3.5 Evap Leak Test

Use the UP/DOWN scroll button to select Evap Leak Test from the Diagnostic Menu and press [OK].



3.6 Vehicle Information

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



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

Tool Setup
Language
Beeper
Instructions(Display at startup)
Unit of Measure
Skin Style
Feedback
Device Information

1/7

Language
English
Svenska
Suomalainen
Norsk språk
Dansk
Deutsch
Français

1/11

4.2 Beeper

Choose [Beeper] and it displays as follows:

Tool Setup
Language
Beeper
Instructions(Display at startup)
Unit of Measure
Skin Style
Feedback
Device Information

2/7

Beeper
OFF
ON

1/2

4.3 Instructions(Display at startup)

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

Tool Setup
Language
Beeper
Instructions(Display at startup)
Unit of Measure
Skin Style
Feedback
Device Information

3/7

Instructions(Display at startup)
OFF
ON

1/2

4.4 Unit of measure

Choose Unit of measure and it displays as follows:

Tool Setup
Language
Beeper
Instructions(Display at startup)
Unit of Measure
Skin Style
Feedback
Device Information

4/7

Unit of measure
Metric
Imperial

1/2

4.5 Skin Style

Choose Unit of measure and it displays as follows:

Tool Setup
Language
Beeper
Instructions(Display at startup)
Unit of Measure
Skin Style
Feedback
Device Information

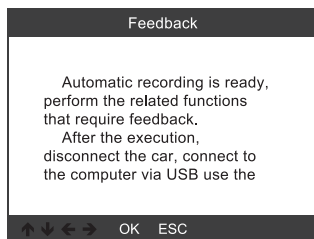
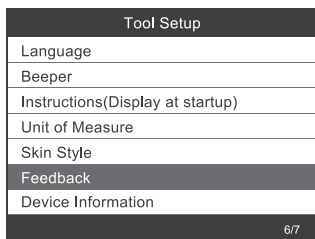
5/7

Skin Style
Sky Gray
Gem Blue

1/2

4.6 Feedback

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



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

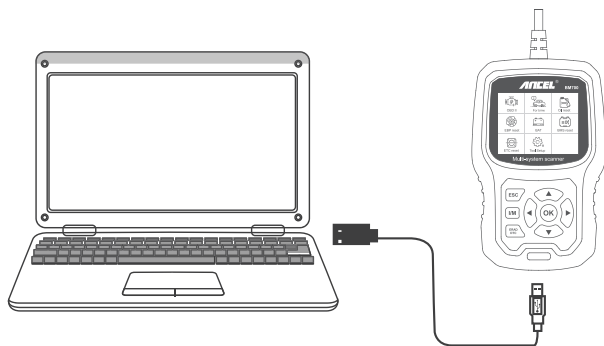
2. For example: Register battery change fail.

Enter [Register battery change] option, and do Register battery change again (This step is very important).

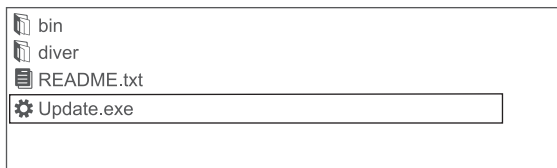
Note : Keep tool connect with car in above steps.

3. After doing register battery change, disconnect with car.

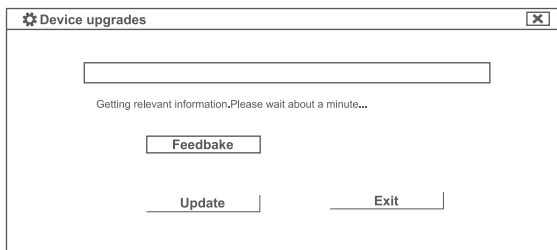
4. Transfer data to your computer and generate feedback file (You need to download upgrade file on the computer from ANCEL website).The device is connected with computer through USB cable.

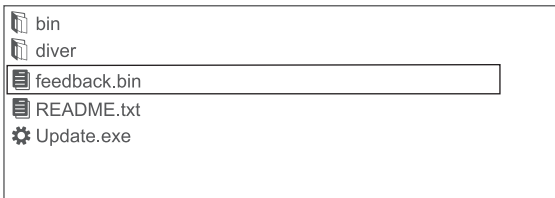


Choose “Update” file and it displays as follow:



Click “Feedback” and it displays as follow:

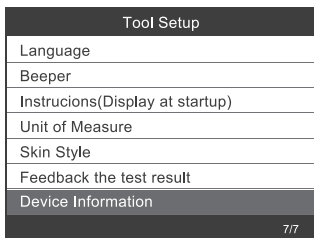




Please send the feedback.bin file to support@anceltech.com.

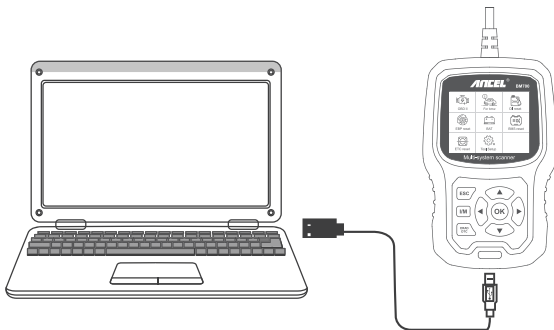
4.7 Device Information

Choose Device Information and it displays as follows:



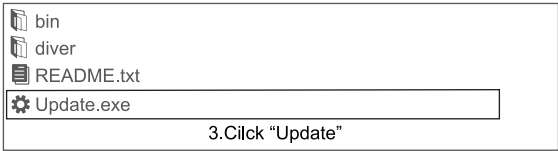
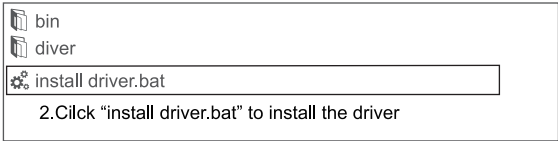
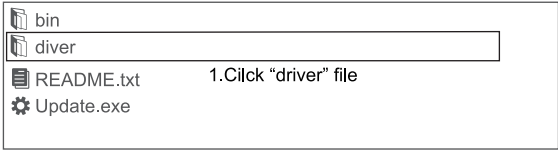
5. Update

- 1.Download update software.
- 2.Connect the devise with computer through USB cable.

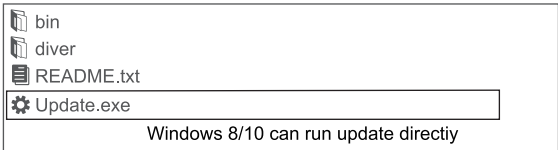


3. The update software is only supported by win7/8/10.

* If computer system is Windows 7, please click "install driver.bat" in the driver files to install the driver.



* 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.

OBDSpace TECHNOLOGY CO.,LTD

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E-mail: support@anceltech.com

Website: www.anceltech.com



MADE IN CHINA