

# ES910

BMW SCANNER

**USER'S MANUAL**



**BMW MINI Rolls-Royce**



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# SAFETY PRECAUTIONS

To avoid body hurt and damage to the device or your car, please read this manual carefully before using ES910.

The general testing process described in this manual is got by technologist's experience. Safety precaution is required in most of the process to avoid body hurt and damage to the device or your car. Prior to your using this device, please read vehicle maintenance code and follow the safety precautions. Keep mention to the following general safety precautions.

- It generates CO and other poisonous air when engine run. To avoid this kind of hurt, please repair the car in a well-air-ventilated location.
- When an engine is running, many parts (such as the coolant fan, pulleys, fan belt etc.) turn at high speed. To avoid serious injury, always be aware of moving parts. Keep a safe distance from these parts as well as other potentially moving objects.
- Engine parts become very hot when the engine is running. To prevent severe burns, avoid contact with hot engine parts.
- Connecting or disconnecting test equipment when the ignition is ON can damage test equipment and the vehicle's electronic components. Turn the ignition OFF before connecting the ES910 or disconnecting the ES910 from the vehicle's Data Link Connector (DLC).
- Fuel and battery vapors are highly flammable. To prevent an explosion, keep all sparks, heated items and open flames away from the battery and fuel/ fuel vapors. **DO NOT SMOKE NEAR THE VEHICLE DURING TESTING.**

# ABOUT ES910

ES910 is a handy professional Scanner for BMW vehicles. It supports all of OBD 16PIN BMW vehicles, including BMW, MINI and Rolls-Royce brands vehicles, fast detects Engine, ABS, Airbags, Auto Transmission, Instrument and other control systems.

## 1. Coverage

- 1) BMW / MINI / Rolls-Royce.
- 2) ES910 Supports most of BMW vehicles between 1998 to 2001, and works on all models after 2001.

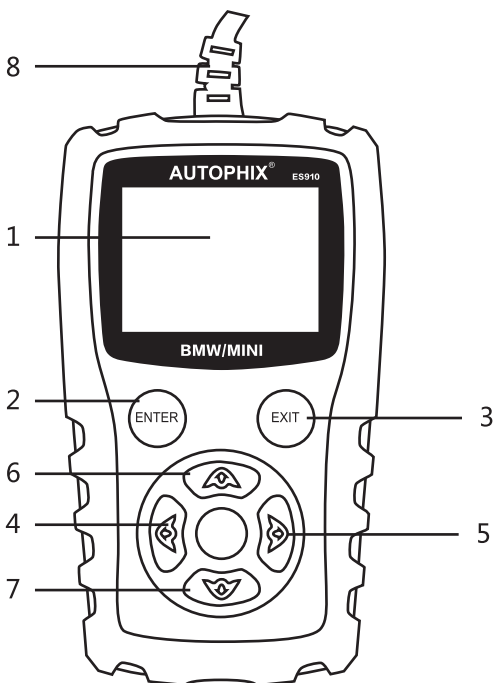
## 2. Other Features & Benefits

- Dimensions: 170mm X 96.2mm X 28.8mm.
- 2.8"LCD,320 X 240 easy-to-read backlit LCD display with adjustable contrast .
- Operating Voltage: 8V-18V.
- Operating Temperature: 0°C-60°C(32-140°F).
- Storage Temperature: -20°C-70°C(4-158°F).
- Easy to use six-button operation(UP,DOWN,LEFT,RIGHT,ENTER,EXIT).
- CE、FCC、RoHS certification.

### 3. Includes

1. 1pc x ES910 Scan Tool main unit
2. 1pc x User's Manual
3. 1pc x USB update cable
4. 1pc x Durable Nylon Storage Case

### 4. Appearance and Key Descriptions



1. LCD DISPLAY – Indicates test results. Backlit, 320 x 240 pixel display with contrast adjustment
2. ENTER BUTTON – Confirms a selection (or action) from a menu.
3. EXIT BUTTON – Cancels a selection (or action) from a menu or returns to the menu. It is also used to setup system, exit DTC Lookup screen.
4. LEFT SCROLL BUTTON – When looking up DTC definitions, moves to previous character and views additional information on previous screens if DTC definition covers more than one screen; deselect all marked PID data . Updates DTC library when pressed.
5. RIGHT SCROLL BUTTON – When looking up DTC definitions, moves to next character and views additional information on next screens if DTC definition covers more than one screen; selects / deselects PID data.
6. UP SCROLL BUTTON – Moves up through menu and sub menu items in menu mode. When more than one screen of data is retrieved, moves up through the current screen to the previous screens for additional data.
7. DOWN SCROLL BUTTON – Moves down through menu and submenu items in menu mode. When more than one screen of data is retrieved, moves down through the current screen to next screens for additional data.
8. OBD-16PIN CONNECTOR – Connects the scan tool to the vehicle's Data Link Connector (DLC).

# OPERATION INSTRUCTIONS

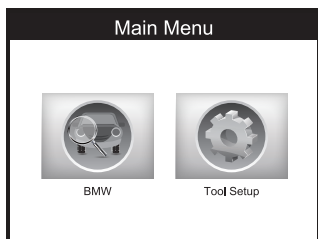
## 1. Connect ES910

1.1 Turn the ignition on.

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



(The main interface)



(Main Menu)

### 1.3 Main menu function :

[BMW] : Select Brand BMW / MINI / Rolls-Royce.

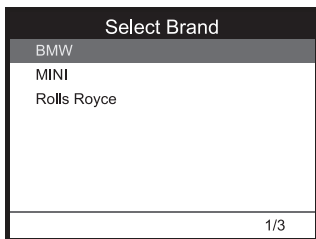
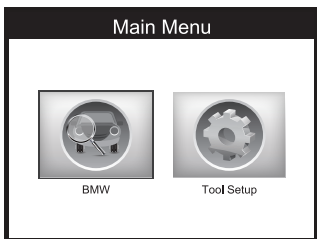
[Tool Setup] : Language / Device Information.

## 2. ES910 Features

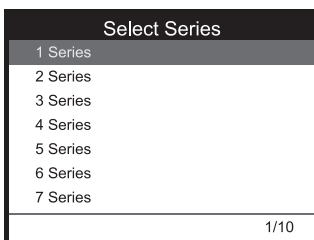
### 2.1 Select Brand

Choose [BMW] and it displays as follow :

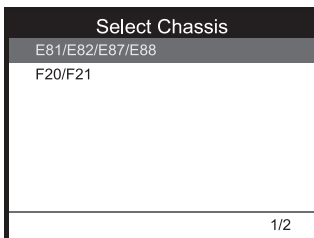




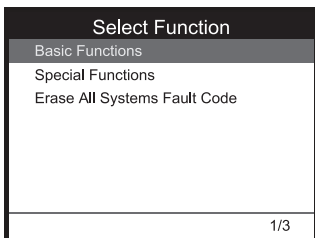
ES910 system is divided into three parts, each separated from each other. Click [BMW], and then press the [Enter] button. The screen will show all BMW car series. As follows.



For example: Choose [1-Series] and it displays as follow :

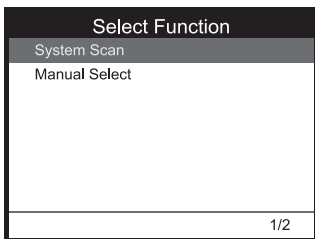


For example: Choose [E81/E82/E87/E88] and it displays as follow :



## 2.2 Basic Functions

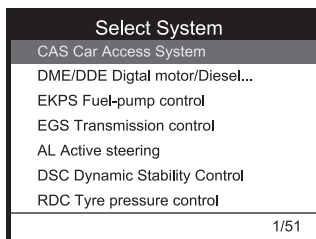
Choose [Basic Functions] and it displays as follow :



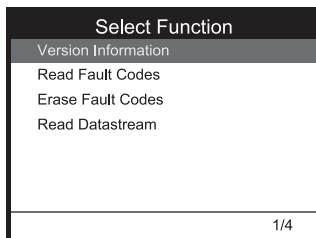
System scan is to scan all vehicle systems.

Manual selection is to display all possible systems, select one of the systems to diagnosis.

Choose [Manual Select] and it displays as follow :

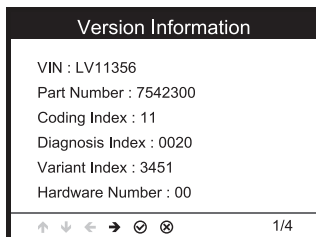


Choose [DME/DDE Digital motor/Diesel electronics] and it displays as follow :



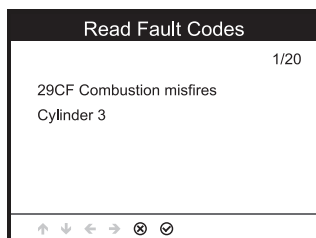
### 2.2.1 Version Information

Choose [Version Information] and it displays as follow :



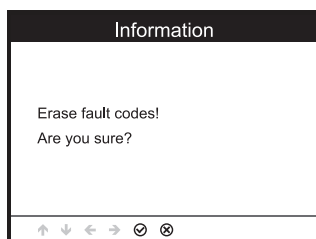
## 2.2.2 Read Fault Codes

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

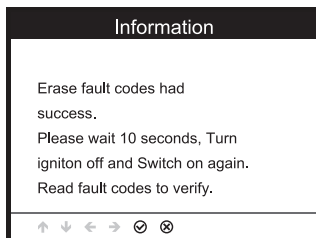


## 2.2.3 Erase Fault Codes

Choose [Erase Fault Codes] then press [ENTER] button as follow.

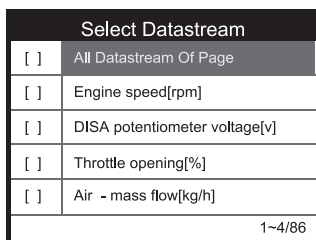
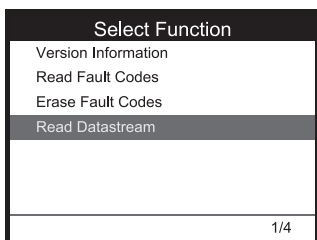


You need to press [ENTER] again to clear the fault codes. Or you can press [EXIT] button to give up clearing fault codes. It shows as follow after clearing the fault codes.



## 2.2.4 Read Datastream

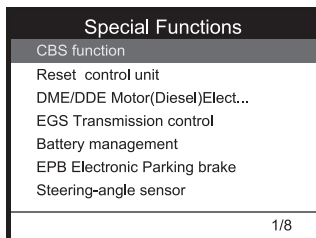
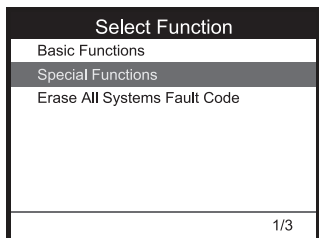
Choose [Read Datastream] then press [ENTER] button as follow.



**Press [LEFT] and [RIGHT] buttons to page,**  
**press [UP] and [DOWN] buttons to read one by one,**  
**Press [ENTER] button to select the Datastream,**  
**Press [EXIT] button to display Datastream information.**

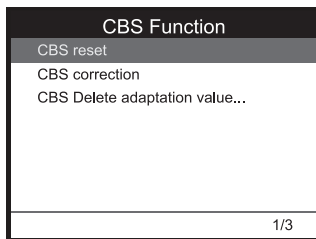
## 2.3 Special Functions

Choose [Special Function] and it displays as follow :



### 2.3.1 CBS Functions

Choose [CBS function] and it displays as follow :



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

### 2.3.2 DME/DDE Motor(Diesel)Electronics

Choose [DME/DDE Motor(Diesel)Electronics] and it displays as follow :

Special Functions
CBS function
Reset control unit
DME/DDE Motor(Diesel)Elect...
EGS Transmission control
Battery management
EPB Electronic Parking brake
Steering-angle sensor
1/8

Special Functions
Idle speed
Clear adaptations
Register battery replacement
Remove Valvetronic servomotor
Learning Valvetronic limit positions
1/5

DME/DDE Motor(Diesel)Electronics: Idle speed/ Clear adaptations/ Register battery replacement/ Remove Valvetronic servomotor/ Learning Valvetronic limit positions...

Different engine functions are some difference.

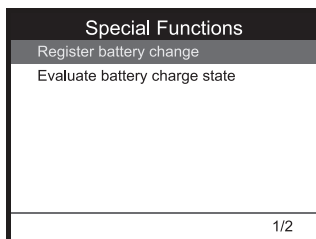
### 2.3.3 Battery management

Choose [Battery management] and it displays as follow :

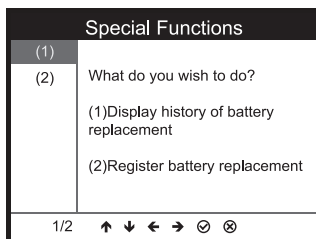
Special Functions
CBS function
Reset control unit
DME/DDE Motor(Diesel)Elect...
EGS Transmission control
Battery management
EPB Electronic Parking brake
Steering-angle sensor
1/8

Special Functions
Battery Functions
1/1

Choose [Battery Functions] and it displays as follow :



For example: Choose [Register battery change] and it displays as follow :



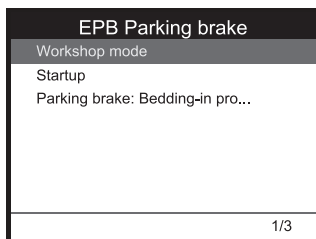
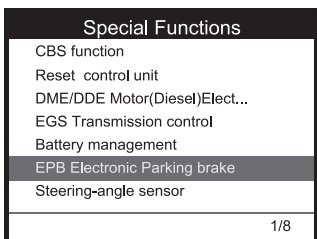
**Press left and right buttons to scroll right part,**

**Press up and down buttons to select left part.**

### 2.3.4 EPB Electronic Parking brake

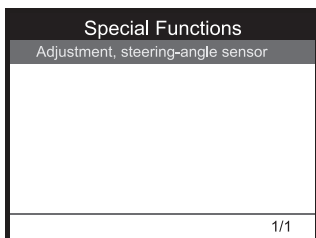
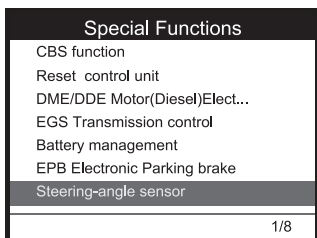
Choose [EPB Electronic Parking brake] and it displays as follow :





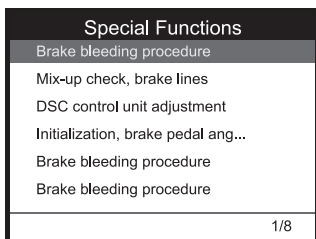
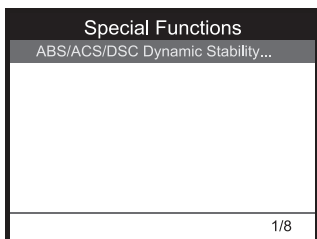
### 2.3.5 Steering-angle sensor

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



### 2.3.6 ABS/ACS/DSC Dynamic Stability Control

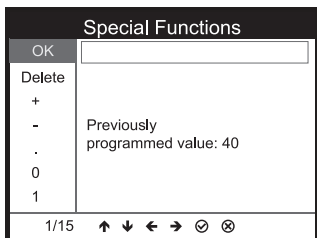
Choose [ABS/ACS/DSC Dynamic Stability Control] and it displays as follow :



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

### 2.3.7 Special case

In special cases, you will need to enter values manually and it displays as follow :



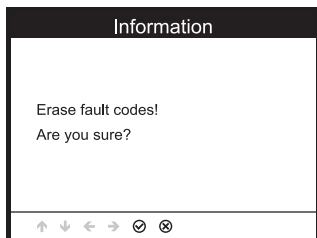
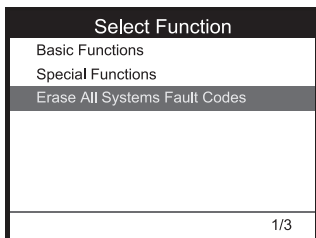
**Left button: Scroll the left part of the list.**

**Right button: Scroll the right part of the list.**

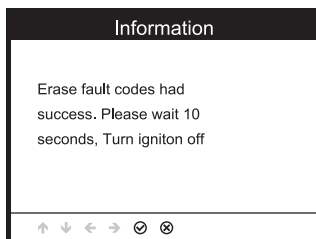
**\* Rolls-Royce only supports [ CBS function ].**

## 2.4 Erase All Systems Fault Codes

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



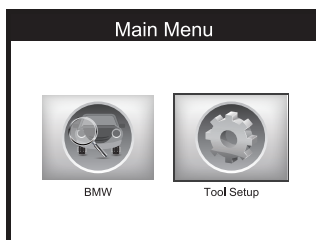
You need to press [ENTER] again to clear the fault codes. Or you can press [EXIT] button to give up clearing fault codes. It shows as the follow after clearing the fault codes.



Note: It works on all BMWs after 2003.

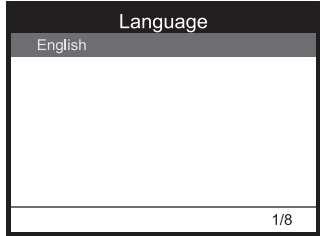
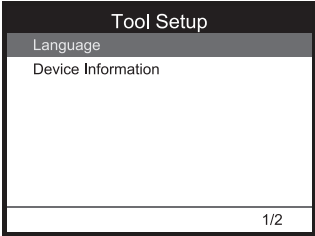
### 3. ES910 Tool Setup

Choose Tool Setup and it displays as follow :



### 3.1 Language

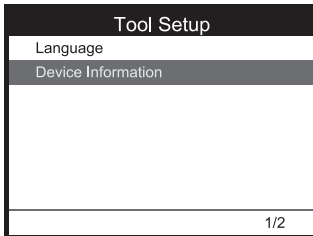
Choose [Language] and press [ENTER] button :



Note: Subsequent upgrade will more add language.

### 3.2 Device Information

Choose [Device Information] and press [ENTER] button :



# WARRANTY AND SERVICE

## 1. Limited One Year Warranty

This warranty is expressly limited to persons who purchase AUTOPHIX products for purposes of resale or use in the ordinary course of the buyer's business.

AUTOPHIX electronic product is warranted against defects in materials and workmanship for one year (12 months ) from date of delivery to the user.

This warranty does not cover any part that has been abused, altered, used for a purpose other for which it was intended, or used in a manner inconsistent with instructions regarding use. The exclusive remedy for any automotive meter found to be defective is repair or replacement, and AUTOPHIX shall not be liable for any consequential or incidental damages.

Final determination of defects shall be made by AUTOPHIX in accordance with procedures established by AUTOPHIX. No agent, employee, or representative of AUTOPHIX has any authority to bind AUTOPHIX to any affirmation, representation, or warranty concerning AUTOPHIX automotive meters, except as stated herein.

## 2. Service Procedures

If you have any questions, please contact your local store, distributor or visit our website at [www.autophix.com](http://www.autophix.com) .

If it becomes necessary to return the scan tool for repair, contact your local distributor for more information.





## AUTOPHIX TECH CO.,LTD

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