Manuals+ — User Manuals Simplified.

AUTOPHIX 5150 Car Auto Code Reader User Manual

AUTOPHIX 5150 Car Auto Code Reader User Manual

AUTOPHIX®

USER'S MANUAL

5150

Safety precautions

To avoid body injury and damage to the device or your car,
please read this manual carefully before using 5150.

1. The testing process described in the manual is generally the experience of technician.
2. Safety precaution is required in most of the process to avoid body injury and damage to the device or your car.
3. Read the vehicle maintenance manual before use this device and follow safety precautions.
4. It generates CO and other poisonous air when engine is running. To avoid this kind of hurt, please repair the car in a well-air-ventilated place.
5. When the engine is running, many parts (such as the coolant fan, pulleys, fan belt etc.) rotate 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.
6. Engine parts become very hot when the engine is running. Don't touch hot engine parts to avoid severe burns.
7. Fuel and battery vapours are highly flammable. To prevent an explosion. keep all sparks, heated items and open flames away from the battery and fuel/ fuel vapours. Do not smoke near the vehicle during testing.

Coverage

1. Supports the vehicles of Ford, Lincoln and Mercury after 1996 with 16PIN Socket, including F150, Transit, VAN.
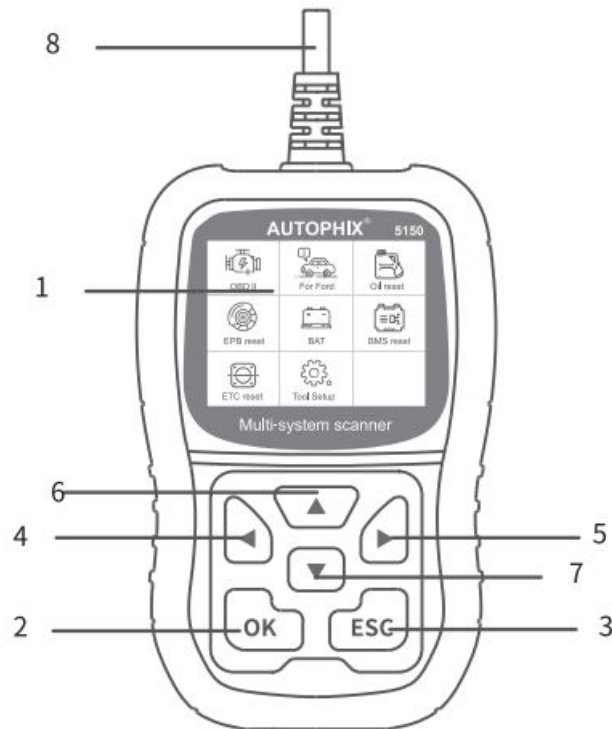2. Supports OBDII/EOBD Modes of operation

Product specification
2.4'LCD,320 X 240 pixels color screen
Operating Voltage: 8V-18V
Operating Temperature: -0°C-60°C(32-140°F)
Storage Temperature: -20°C-70°C(4-158°F)

Appearance and Key Descriptions

1. LCD DISPLAY – Indicates test results. colourful, 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 -Move to left menu in main menu mode; When more than one screen of data is retrieved, use the left button could move to previous screens.
5. RIGHT SCROLL BUTTON -Move to right menu in main menu mode; When more than one screen of data is retrieved, use the right button could move to next screen for additional data.
6. UP SCROLL BUTTON -Moves up through menu items in main menu mode; When more than one screen of data is retrieved, use the up button could move to previous screens.
7. DOWN SCROLL BUTTON -Moves down through menu items in main menu mode; When more than one screen of data is retrieved, use the down button could move to next screen for additional data.
8. OBD-16PIN CONNECTOR- Connects the scan tool to vehicle's Data Link Connector (DLC).

OPERATION INSTRUCTIONS

Contents

1. Connect 5150

1.1 Turn the ignition on.

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

(Main interface)　　　(Main Menu)

1.3 Main menu functions:

[OBDII]: Detect the engine system.
[For Ford]: Test all systems.
[Oil reset]: Oil change reset

[EPB reset]: EPB Brake pad reset
[BAT]: To read real Time Battery Voltage
[BMS reset]: Battery management system reset
[ETC reset]: Electric Throttle Control reset
[Tool Setup]: Language I Beeper/Instructions (Display at start-up)/Unit of Measure/Skin Style/Feedback the test result

2. 5150 Features

2.1 Basic Functions

Choose [For Ford] and it displays as follows:

OBDII	For Ford	Oil reset
EPB reset	BAT	BMS reset
ETC reset	Tool Setup	

Select Menu
Identify the Vehicle
Manual Select

1/2

Information
Vehicle： AEROSTAR
Capacity:3.0L
Engine Type:Other
ModelYear:1996MY
PCM Part Number:XXXXXX
Vehicle information is correct?

↑ ↓ ← →　OK　ESC

Select Menu
System Scan
Manual Select
Special Functions

1/3
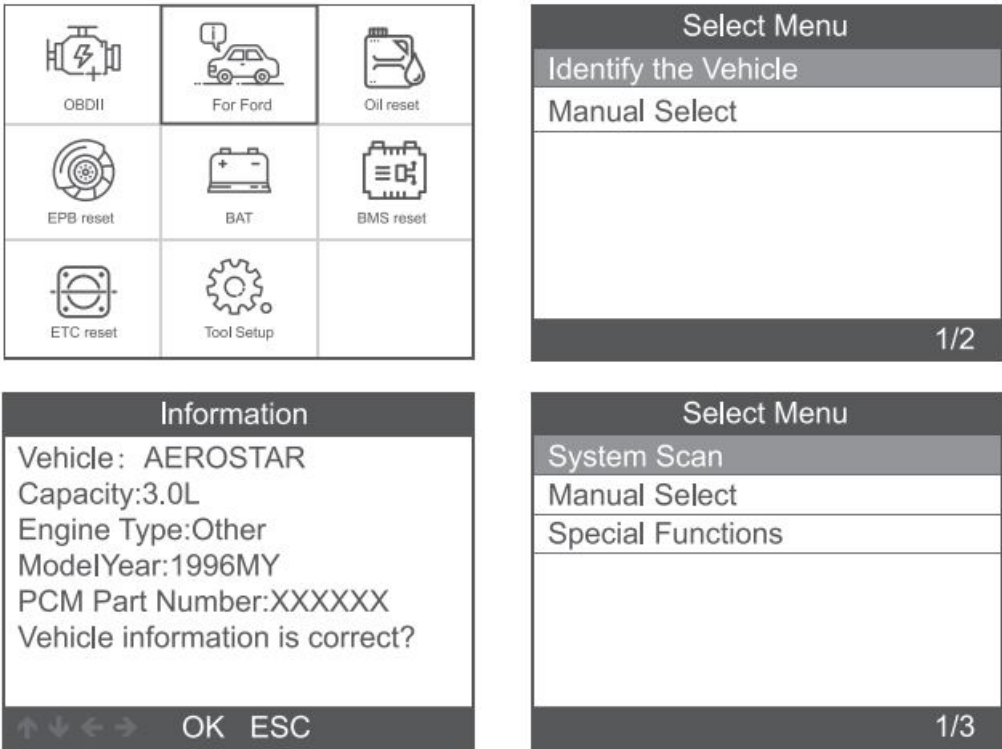
[System scan] is to scan all vehicle systems. Press [System scan] and it displays as follows：

Scanning...[18%]
BCMii(Body Control Module)

1/1

Scanning...[36%]
BCMii(Body Control Module)　OK
DSM(Driver Front Seat Modu)

2/2
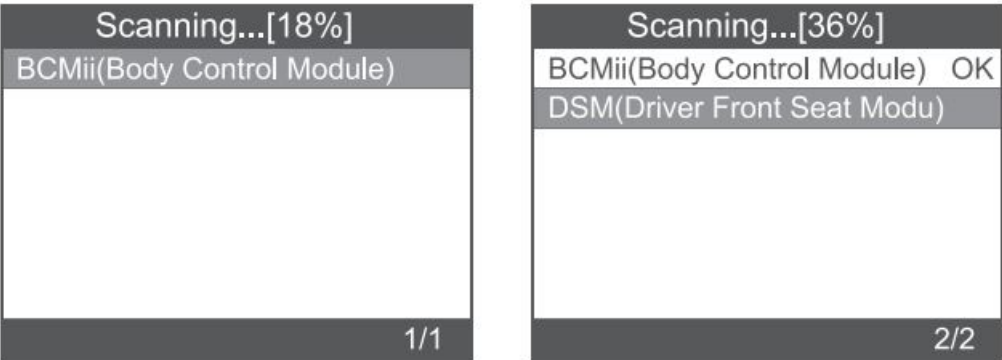
```
Scanning...[81%]
BCMii(Body Control Module)   OK
PCM(Power train Control M...  OK
PDM(Passenger Front Door


                                    3/3
```

```
Select System Diagnose
BCMii(Body Control Module)   OK
PCM(Power train Control M...  OK




                                    1/2
```

[Manual select] is to display all possible systems, select one of the systems to diagnose.

Choose [Manual select] and it displays as follows:

```
Select Menu
System Scan
Manual Select
Special Functions




                                    2/3
```

```
Select System Diagnose
ABS(Antilock braking system)
BCMii(Body Control Module)
DDM(Driver Front Door Module)
DSM(Driver Front Seat Module)
GWM(Gateway Module A)
HVAC(Heating Ventiletion Air C.. )
IPC(Intrument Panel Control M...)
                                    1/11
```

```
Select System Diagnose
PCM(Power train Control Module)
PDM(Passenger Front Door Mo...
PSCM(Power Steering Control...
RCM(Restraint Control Module)



                                    8/11
```

2.1.1 Read Fault Codes

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

```
Select Function
Read Fault Codes
Erase Fault Codes
Read Datastream




                                    1/3
```
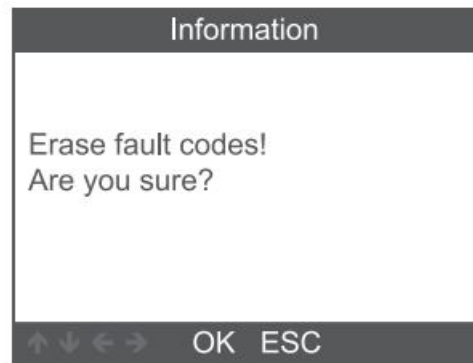
```
Read Fault Codes
P01F0                        1/55

Coolant Temperature Relapsed
Lower Than Diagnostic
Monitoring Temperature

↑ ↓ ← →    OK   ESC
```
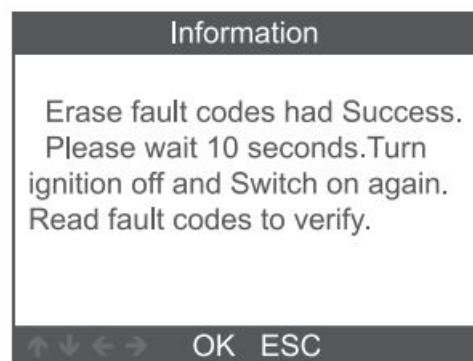
2.1.2 Erase Fault Codes

Choose [Erase Fault Codes] then press [OK] button, screen displays as follow:

Choose [Erase Fault Codes] then press [OK] button, screen displays as follow:

```
┌─────────────────────────────────┐
│           Information           │
├─────────────────────────────────┤
│                                 │
│ Erase fault codes!              │
│ Are you sure?                   │
│                                 │
│                                 │
│                                 │
│                                 │
├─────────────────────────────────┤
│ ↑ ↓ ← →      OK   ESC           │
└─────────────────────────────────┘
```

You need to press [OK] again to clear the fault codes.

It shows as follow after clearing the fault codes.

```
┌─────────────────────────────────┐
│           Information           │
├─────────────────────────────────┤
│                                 │
│  Erase fault codes had Success. │
│  Please wait 10 seconds.Turn    │
│ ignition off and Switch on again.│
│ Read fault codes to verify.     │
│                                 │
│                                 │
├─────────────────────────────────┤
│ ↑ ↓ ← →      OK   ESC           │
└─────────────────────────────────┘
```

If you give up clearing fault codes, please press [ESC] button.

2.1.3 Read DataStream

Choose [Read Datastream] then press [OK] button, screen displays as follows:

Choose [Read Datastream] then press [OK] button, screen displays as follows:

Select Function	
Read Fault Codes	
Erase Fault Codes	
Read Datastream	
	3/3

Datastream	
View All Items	
Select Items	
	1/2

Choose [View All Items] then press [OK] button, screen displays as follow:

Datastream	
A/C Pressure Sensor Voltage[Voits]	1.40
A/C clutch output fault detected.	NO Fault
CMP and CKP Synchronized	Yes
o2s11 Status	NO Fault
o2s11 is warm and ready to operate.	Yes
	1-5/471

Choose [Select Items] then press [OK] button, screen displays as follows:

Datastream	
View All Items	
Select Items	
	2/2

Select Datastream	
[ ]	All Datastream of Page
[ ]	A/C Pressure Sensor Voltage
[ ]	A/C clutch output fault detected.
[ ]	A/C Pressure sensor
[ ]	CMP and CKP Synchronized
	1-4/284

Press [LEFT] and [RIGHT] buttons to page.
Press [UP] and [DOWN] buttons to select one by one.
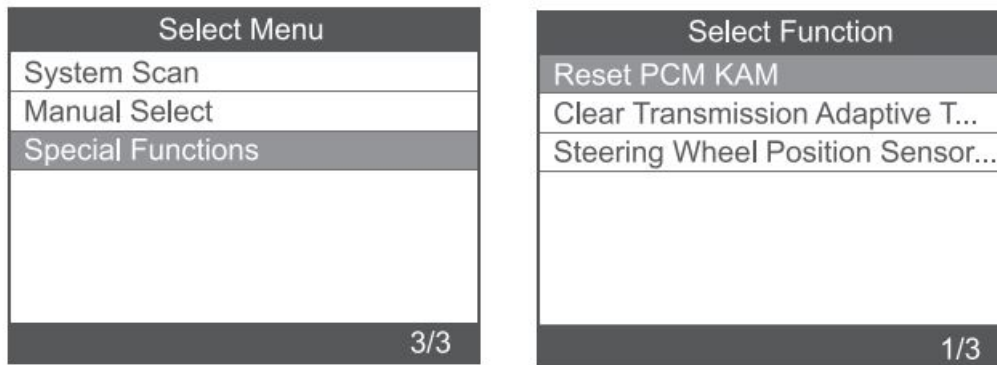
2.2 Main special functions

Different car models have different special functions.
(Here are some common special functions. If you want to learn more about the special features of the 5150, please call or email us.)
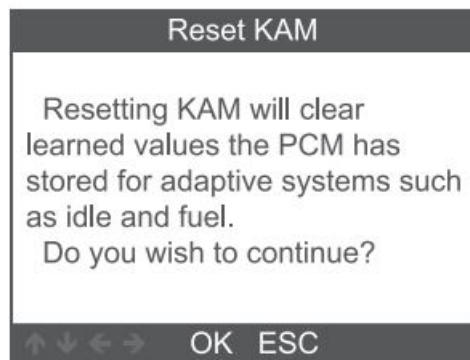
2.2.1 Reset PCM KAM

Choose [Special Functions] and it displays as follows :

Choose [Special Functions] and it displays as follows:

Select Menu	
System Scan	
Manual Select	
Special Functions	
	3/3

Select Function	
Reset PCM KAM	
Clear Transmission Adaptive T...	
Steering Wheel Position Sensor...	
	1/3

Choose [Reset PCM KAM] and it displays as follow:

```
              Reset KAM

    Resetting KAM will clear
  learned values the PCM has
  stored for adaptive systems such
  as idle and fuel.
    Do you wish to continue?

  ↑ ↓ ← →     OK   ESC
```

Press [OK] button to next and complete special function operation:

```
              Reset KAM



      This test is now complete.



  ↑ ↓ ← →     OK   ESC
```

```
              Reset KAM



      Set ignition switch to OFF
  (Position 0).



  ↑ ↓ ← →     OK   ESC
```

2.2.2 BMS Reset

Choose [Special Functions] and it displays as follows :

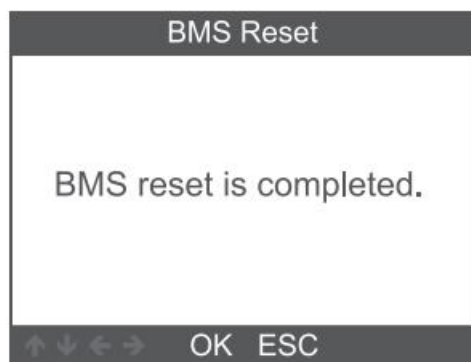| Select Menu	Select Function
System Scan	ABS Service Bleed
Manual Select	BMS Reset
Special Functions	EPB Maintenance mode
	Reset PCM KAM
	Clear Transmission Adaptive T...
3/3	2/5

Choose [BMS Reset] and it displays as follow :

Operator Action

Turn ignition to the ON position.

↑ ↓ ← →   OK   ESC

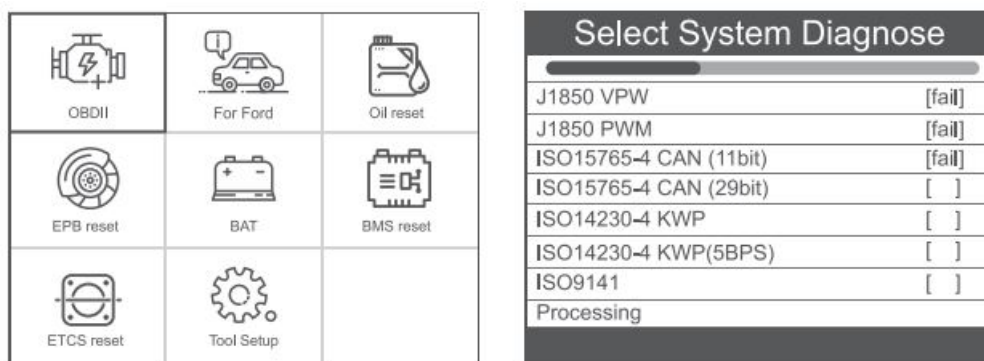Prompt the message and press the confirm button to execute the program;

BMS Reset	BMS Reset
This procedure resets the battery monitoring systerm. Perform the procedure in following events; Battery is replaced in vehicle.	BCM#1 is replaced or reprogrammed. BMS Reset is required in vehicle as instructed by the shop manual.
↑ ↓ ← → OK ESC	↑ ↓ ← → OK ESC

BMS reset is completed.
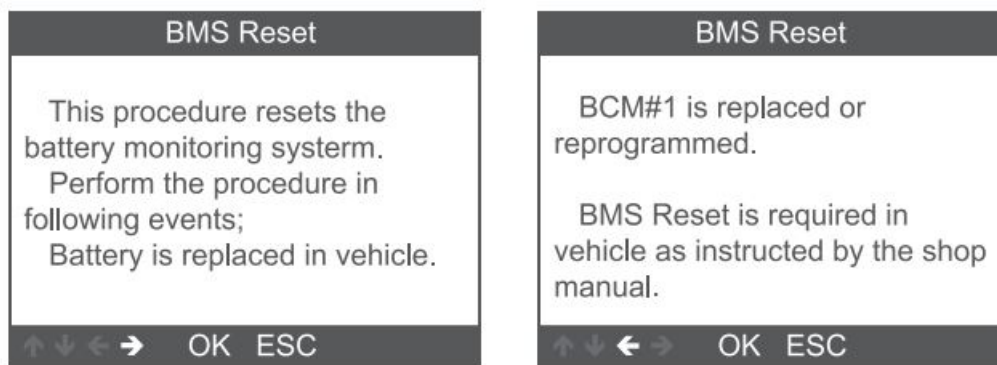
BMS Reset
BMS reset is completed.
↑ ↓ ← →   OK   ESC

3 OBDII Diagnose

Choose [OBDII] and it displays as follows:

OBDII	For Ford	Oil reset
EPB reset	BAT	BMS reset
ETCS reset	Tool Setup	

Select System Diagnose	
J1850 VPW	[fail]
J1850 PWM	[fail]
ISO15765-4 CAN (11bit)	[fail]
ISO15765-4 CAN (29bit)	[ ]
ISO14230-4 KWP	[ ]
ISO14230-4 KWP(5BPS)	[ ]
ISO9141	[ ]
Processing	

3.1 Read Codes

1. Select [Read Codes] , then press [OK]

If there are no Diagnostic Trouble Codes present, the display indicates "No (pending) codes are stored in the module!" Wait a few seconds or press any key to return to the Diagnostic Menu.

2.View DTCs and their definitions on screen The control module number; Sequence of the DTCs; Total number of codes detected; Type of codes (Generic of Manufacturer specific)

3.2 Erase Codes

1. Select [Erase codes] , then press [OK]

Diagnostic Menu	
Read Codes	
Erase Codes	
I/M Readiness	
Data Stream	
Vehicle Information	
	2/5

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

Erase Codes
Clear/Reset Emission-Related Diagnostic Information,Are you sure?
↑ ↓ ← →   OK   ESC

3. Press [OK] to confirm.

Erase Codes	Erase Codes
Please Turn Ignition ON with Engine Off,Press OK key to continue!	Emission-Related Diagnostic Information has been Cleared!
↑ ↓ ← → OK ESC	↑ ↓ ← → OK ESC

3.3 I/M Readiness

Select 1/M Readiness option, press [OK], the screen will display as follows:

Diagnostic Menu	
Read Codes	
Erase Codes	
I/M Readiness	
Data Stream	
Vehicle Information	
	3/5

I/M Readiness	
Misfire monitor	OK
Fuel system monitor	OK
Comprehensive component monitor	OK
Catalyst monitor	INC
Heated catalyst monitor	N/A
	1-5/10

3.4 Data Stream

Choose [Data Stream] and it displays as follows:

Diagnostic Menu	
Read Codes	
Erase Codes	
I/M Readiness	
Data Stream	
Vehicle Information	
	4/5

Datastream	
View All Items	
Select Items	
	1/2

Datastream	
Fuel system 1 status	OL
Fuel system 2 status	OL
Calculated LOAD Value	0.0%
Engine Coolant Temperature	-31°C
Short Term Fuel Trim-Bank 1	0.0%
	1-5/19

3.5 Vehicle Information

Choose [Vehicle Information] and it displays as follows:

Diagnostic Menu	
Read Codes	
Erase Codes	
I/M Readiness	
Data Stream	
Vehicle Information	
	5/5

Vehicle Information
Vehice Identification Number (VIN) LVSFBFAC94F020950
Calibration Identifications(CID) 000007550753
Calibration Venfication Number (CVN) B5073064
↑ ↓ ← →   OK   ESC

4. Tool Setup

4.1 Language

Choose [Language] and it displays as follows:

4.2 Instructions (Display at start-up)

Choose [Instructions (Display at start-up)] and it displays as follows:

4.3 Unit of measure

Choose Unit of measure and it displays as follows:

4.4 Skin Style

Choose Skin Style and it displays as follows:

Tool Setup	
Language	
Instructions(Display at startup)	
Unit of Measure	
Skin Style	
Feedback the test result	
Device Information	
	4/6

| Skin Style	
Sky Gray	
Gem Blue	
	1/2

4.5 Feedback

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

Tool Setup	
Language	
Instructions(Display at startup)	
Unit of Measure	
Skin Style	
Feedback the test result	
Device Information	
	5/6

| Feedback the test result |
|---|
| Automatic recording is ready, perform the related functions that require feedback. |
| After the execution,disconnect the car,connect to the computer via USB,use the update.exe tool. |
| ↑ ↓ ← →   OK ESC |

Download upgrade file on the computer from AUTOPHIX website.
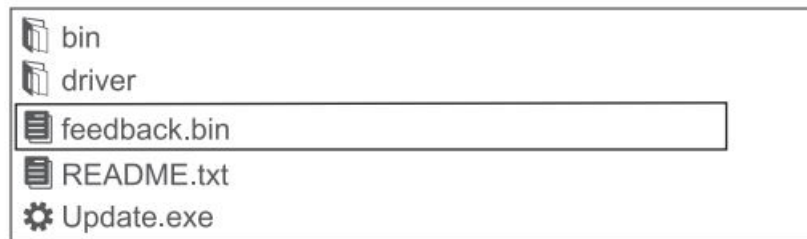Connect device with computer through USB cable.
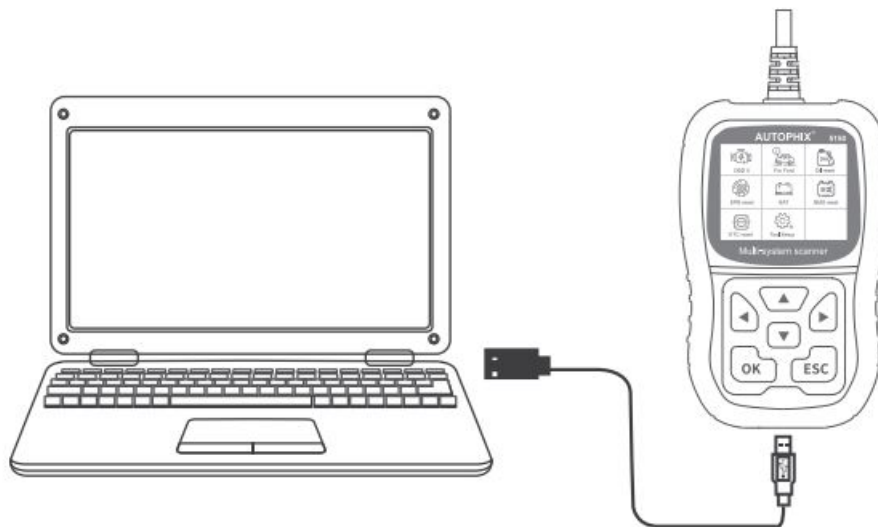
Choose "Update" file and it displays as follow:

📁 bin
📁 driver
📄 README.txt
⚙ Update.exe

Click "Feedback" and it displays as follow:

⚙ Device upgrades   ☒

Welcome to Autophix's vehicle diagnostic tool !

Feedback

Update   Exit
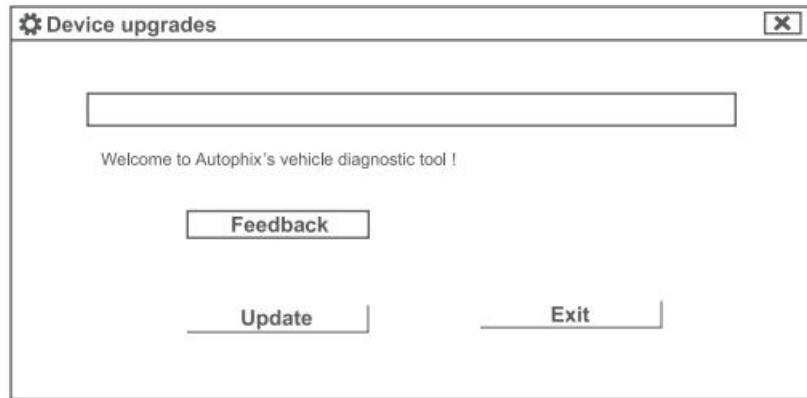
Send the Feedback.bin text to support@autophix.com .

📖 bin
📖 driver
📄 feedback.bin
📄 README.txt
⚙ Update.exe

Remark: In the above steps, keep the tool connect with computer.

5. Update

The device is connected with computer through USB cable.
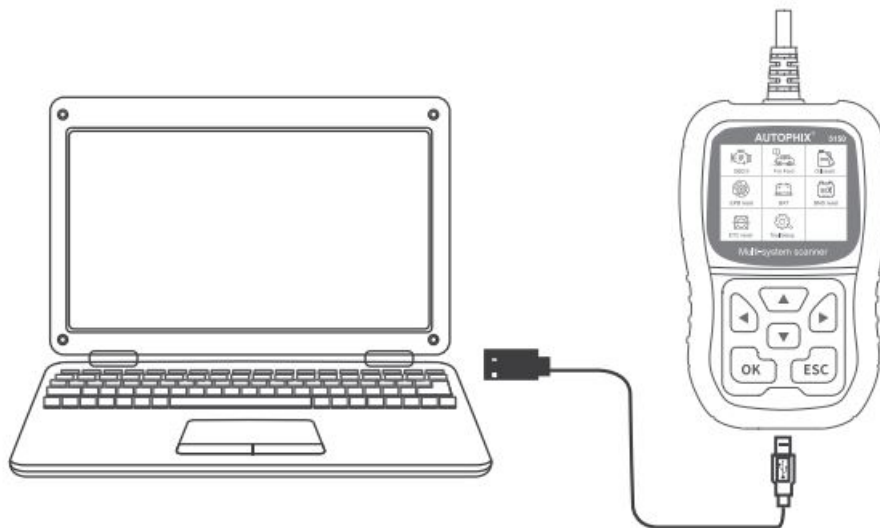
1. When upgrade the device software, it only supports window 7/8/10 system.

2. It can be updated directly on Windows 8 and windows 10 system.

3. When the computer is windows 7 system, the device's software driver is installed on the computer.

6. Warranty

1. This warranty is limited to the person who purchases AUTO PH IX products.

2. AUTOPHIX product is warranted against defects in materials and workmanship for one year (12 months) from

date of delivery to the user.

7. Service Procedures

If you have any questions, please contact your local store distributor or visit our website **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
Floor4, Building2, Jinxicheng Industry park, Longhua District, Shenzhen, China

Phone: 0755-8528-1258
E-mail: **support@autophix.com**
Website: **www.autophix.com**

MADE IN CHINA

Documents / Resources

AUTOPHIX 5150 Car Auto Code Reader [pdf] User Manual
5150 Car Auto Code Reader, 5150, 5150 Reader, Car Auto Code Reader, Auto Code Reader, Code Reader, Car Code Reader, Car Reader, Reader

Manuals+,