



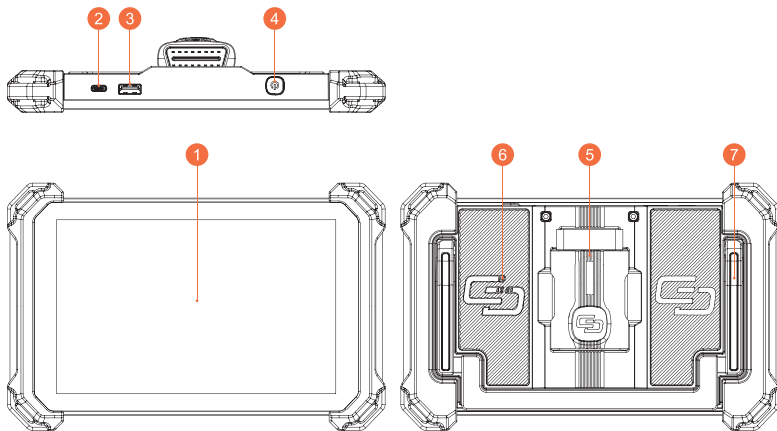
EDIAG H581

Model: EDH58X

1. Product Overview

EDIAG H581 is an automotive diagnostic device powered by the Android 10 operating system. It is equipped with an 8-inch touch screen and a Bluetooth-enabled diagnostic connector. It offering functions such as DTCs reading and clearing, real-time data reading, actuation tests, ECU coding, and other specialized features. The device supports comprehensive ECU diagnostics for over 100 vehicle brands and supports DoIP and CANFD diagnostic protocols.

2. Components & Controls



- 1. Touch Screen:** 8-inch touch screen for user interaction.
- 2. Charging Port:** Type-C charging port for charging or data transmission.
- 3. USB Expansion Slot:** For connecting a USB expansion module.
- 4. Power/Screen Lock Button:** Press and hold for 3 to 5 seconds to turn on or off; Press once to lock or unlock the screen.
- 5. Diagnostic Connector:** Bluetooth diagnostic connector for wireless connection to the vehicle's OBD port for diagnosis.
- 6. Loudspeaker:** Provide audio indicators for connection status and important information.
- 7. Adjustable Kickstand:** Designed to support the device on a flat surface or attach it to a steering wheel.

3. Technical Specifications

Main Device

Screen: 8 inches

Resolution: 1280*800 pixels

Working Environment: 0°C~50°C (32°F~122°F)

Storage Environment: -20°C~60°C (-4°F~140°F)

Working voltage: 5V

Working current: 2.5A

EVCi

Working Voltage: 9~18V

Working Current: ≤130mA

Working Environment: 0°C~50°C (32°F~122°F)

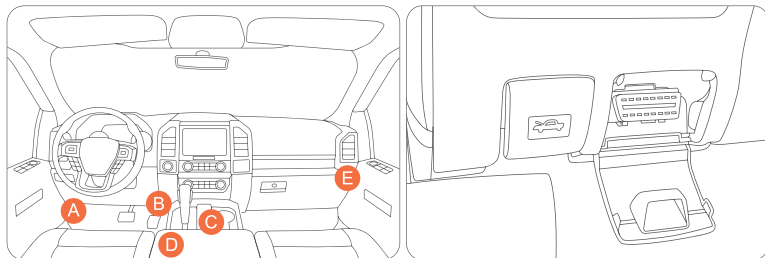
Storage Environment: -20°C~60°C (-4°F~140°F)

Supported Protocols: SAE J1850 PWM, SAE J1850 VPW, ISO 9141-2 ISO, ISO 14230-4 KWP, ISO 15765-4 CAN, CANFD and DoIP.

4. How to Use

4.1 Plug the EVCi into your vehicle's OBDII port / Data Link Connector (DLC).

DLC is usually 12 inches away from the center of the instrument panel (dash), under or around the driver's side. Below picture shows the five most common DLC locations.



4.2 Turn the vehicle ignition on.

Note: It is not necessary to start the engine.

4.3 Power on the H581 device.

4.4 Once the Android system starts, If this is your first time using it, please set the language, time zone, and Wi-Fi first.

The device will then display the main interface. Select the desired function on the interface to access the corresponding diagnostic feature.



5. Functions Description

5.1 Intelligent Diagnosis

The function can automatically read the Vehicle's VIN and identify its brand, model and year, and then lead you to the diagnosis functions directly. When you are unfamiliar with the vehicle model, year, and configuration, try to use the menu to diagnose the problem.

5.2 Traditional Diagnostics

This function allows you to manually select the vehicle's brand, model, year to start a diagnosis. Using this function requires you to have a full understanding of the vehicle information. If you do not know enough about the vehicle information, it is suggested to do the intelligent diagnosis.

5.3 Maintenance

It covers 35 maintenance service functions, including Oil Maintenance Reset, ABS Bleeding, Injector Coding, Steering Angle Reset, DPF Regeneration, Battery Matching, etc.

5.4 Coverage List

This function connects to our server via the internet, allowing users to check which car models this device can diagnose and which functions have been developed.

5.5 Remote Assistance

You can ask for remote assistance through this third-party software. By sending your device ID number to the remote technician or after-sales personnel, you can authorize the other party to remotely operate your product solve the encountered problems.

5.6 OBD

On-board diagnostics (OBD) is a system found in most modern vehicles that is used to monitor and diagnose the performance of various engine components. Overall, OBD plays a vital role in vehicle maintenance, supporting optimal performance and reducing emissions. When you press the OBD button, the device will automatically initiate the connection. Once the connection is successful, you will enter the OBD diagnostic page.

Support OBD II and EOBD protocols after 1996. You can check the protocols supported by the vehicle.

5.7 Upgrade

Use the Update function to check for and download new software and applications.

5.8 Report

The function allows you to record and save data, including diagnostic reports, data streams, and images for future reference and analysis.

5.9 Settings

The Settings menu allows you to customize the device according to your preferences. Configure options such as language, time zone, WiFi, business information, etc. Many auxiliary functions are also located under this menu, such as query screenshots.

5.10 Feedback

If you encounter an unresolved problem or diagnostic software bug during diagnosis, you can revert the most recent 20 test records to our service team. We will then analyze and troubleshoot it in a timely manner, to improve the quality of

our products and user experience.

EN

5.11 History

This function allows you to view the trajectory of vehicles that have been previously diagnosed, as well as view diagnostic records and quickly access them.

5.12 Expansion Module

This menu includes add-ons such as endoscopes, oscilloscopes, battery testers, and printers to assist in vehicle diagnosis and repair. Please note that these require additional purchase and their app interface styles vary.

5.13 Customer Service

Pull down the task bar, find the customer service icon, click on it, and then human online customer service will appear to answer the questions you encounter during the use of the product.

5.14 User Manual

This function retrieves electronic manuals from the server to supplement the printed quick start guide's operation descriptions, and can also be used to promptly release product update notes.

5.15 OBD Fault Code Library

OBD (On-Board Diagnostics) is a standard automotive diagnostic tool, and its fault codes have a fixed format and description. Through this function, you can find descriptions and repair information for engine-related fault codes. Of course, you can also view repair videos for the corresponding fault codes online.

6. Q&A

Q: Why does the software upgrade fail?

A: Please check whether the device is stably connected to the internet.

Q: Why is there no power with the VCI after connecting it to the vehicle's DLC port?

A: Please check whether the VCI is securely connected and verify that the vehicle's ignition switch is turned ON.

Q: Why can't I access the vehicle ECU system?

A: Please check whether the vehicle is equipped with the system, whether the VCI is correctly connected, and whether the vehicle ignition switch is ON.

Q: Why does the system stop while reading the data stream?

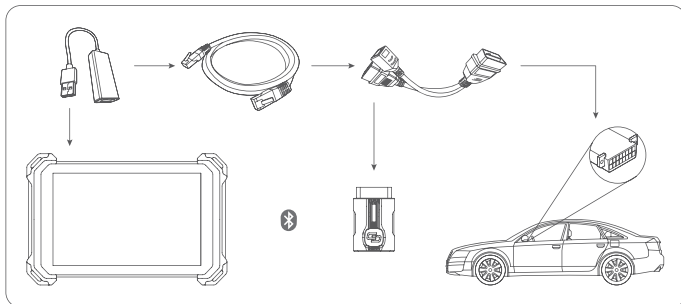
A: This may be caused by loose connection. Please unplug the VCI and try again.

Q: Why does the screen flash when the engine ignition starts?

A: This is a normal occurrence caused by electromagnetic interference.

Q: How to wire when diagnosing a vehicle using the DoIP protocol?

A: When diagnosing a vehicle using the DoIP protocol, please wire according to the diagram below.



7. Warranty Terms

- The warranty is valid only for users who purchase products through authorized channels.
- EDIAG provides a one-year warranty from the date of product activation, covering defects in materials or workmanship. The warranty period may be subject to adjustment in accordance with local laws.
- This warranty does not cover damage to the device or its components caused by misuse, unauthorized modifications, use for unintended purposes, or operation in a manner not specified in the manual.
- Compensation for damage to the dashboard caused by defects in this device is limited to repair or replacement. EDIAG will not be liable for any indirect or incidental damages.
- EDIAG reserves the right to determine the nature of any device damage based on its prescribed inspection methods. No agents, employees, or business representatives of EDIAG are authorized to make any confirmations, notifications, or commitments regarding EDIAG products without explicit authorization.

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Official Website: <https://www.ediag.com>

Facebook: [@ediagtech](#)

Youtube: [@ediagtech](#)

Tiktok: [@ediagtech](#)

Federal Communications Commission (FCC) Statement.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide Reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

RF exposure statement:

This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. The device is installed and operated without restriction.

ISED Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Déclaration ise

Cet appareil contient des émetteurs/récepteurs exemptés de licence qui sont conformes aux RSS exemptés de licence d'innovation, sciences et développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes:

1. Cet appareil ne peut pas causer d'interférences.
2. Cet appareil doit accepter toute interférence, y compris les interférences qui peuvent causer un fonctionnement indésirable de l'appareil.

For Receiver:

This device meets the exemption from the routine evaluation limits in section 6.3 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Cet appareil satisfait à l'exemption des limites d'évaluation de routine de la section 6.3 du RSS 102 et conformité au RSS 102 exposition aux RF. Les utilisateurs peuvent obtenir de l'information canadienne sur l'exposition aux RF et la conformité.

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. The device is installed and operated without restriction. Cet équipement est conforme Canada limites d'exposition aux radiations dans un environnement non contrôlé. Die Installation und der Betrieb der Ausrüstung sind uneingeschränkt.

For Transmitter:

This device meets the exemption from the routine evaluation limits in section 6.3 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

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This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. The device is installed and operated without restriction. Cet équipement est conforme Canada limites d'exposition aux radiations dans un environnement non contrôlé. Die Installation und der Betrieb der Ausrüstung sind uneingeschränkt.