



Manuals.plus /

- › OHP /
- › OHP FORScan ELM327 OBD2 Diagnostic Scan Tool User Manual

OHP 5

OHP FORScan ELM327 OBD2 Diagnostic Scan Tool User Manual

Model: 5

1. PRODUCT OVERVIEW

The OHP FORScan ELM327-based OBD2 diagnostic tool provides accurate and efficient vehicle diagnostics, enabling users to perform DIY repairs and maintenance. This OHP USB device is ELM327 compatible, offering connection speeds up to 500 kbit/s. It supports bus speeds from 19200 baud to 500000 baud, with a default ELM327 speed of 38400 baud.

Perform DIY diagnostics by reading, interpreting, and clearing Diagnostic Trouble Codes (DTCs) from various vehicle systems such as engine, transmission, and ABS. Each code includes a description to assist in identifying root causes and performing maintenance.

The tool supports FORScan software (downloaded separately from official sources). Setup procedures may vary by vehicle and software version. This device is for diagnostic use only and does not modify emissions systems.

Compatible with a wide range of Ford, Lincoln, Mazda, and Mercury vehicles, including various models of Ford cars and light pickup trucks (e.g., Focus, F-150, Explorer), Lincoln vehicles (e.g., MKZ, Navigator), and specific Mazda and Mercury models.

Note: Not compatible with Mazda 7th Generation vehicles (e.g., Mazda 3, CX-30) or joint-venture models that utilize non-Ford protocols (e.g., Ford Galaxy Mk2 by VW, Ford Ka Mk2 by Fiat).

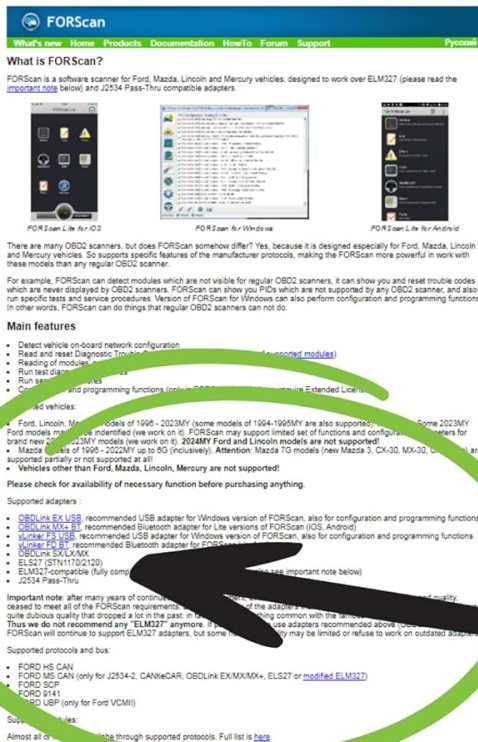


The OHP FORScan ELM327 OBD2 Diagnostic Scan Tool, featuring a USB connection, is shown alongside a laptop running FORScan software, illustrating its primary use for vehicle diagnostics.

Our ELM327 product is FULLY COMPATIBLE with all specifications, AT-commands and necessary industry standards. Therefore we can conclude that there are

NO LIMITATIONS

for using our product with Forscan software regardless if Forscan does display a PRECAUTION message upon using it with Forscan app.



MORE INFO:
forscan.org/home

SUPPORTED ADAPTERS:

This image highlights the OHP ELM327 tool's full compatibility with FORScan software, emphasizing that it meets industry standards. It also lists various supported adapter types, including ELM327.

2. SETUP GUIDE

Follow these steps to set up your OHP FORScan ELM327 Diagnostic Scan Tool:

1. Install Drivers:

Connect the device to a USB port on your Windows laptop (Windows XP and newer are supported). Windows may auto-install the necessary drivers. If not, manually install the FTDI driver. You can find the latest VCP drivers at ftdichip.com/drivers/vcp-drivers/.

2. Download Software:

Download and install the FORScan software from its official website: forscan.org/download.html. Ensure you open and confirm the software settings after installation.

3. Connect to Vehicle:

Plug the OHP ELM327 tool into your vehicle's OBD2 port.

4. Set Switch and Ignition:

Before initiating diagnostics, ensure the toggle switch on the device is set to the HS-CAN position. Turn your vehicle's ignition to the ON position (engine off).

**Plug it to the USB
port of your
laptop to allow
Windows auto
install drivers.**



XP 7 8 10



**OR SCAN TO
DOWNLOAD THE
DRIVERS**



The OHP ELM327 tool is depicted connected to a laptop's USB port. A QR code is provided for convenient driver download, facilitating the initial setup process.

OUR STORY



HISTORY

Started in Estonia, Europe in 2012 selling off-the-shelf automotive diagnostic products.



BRAND

Since 2014, it has become a designer of custom-made circuit boards for existing scan tools, adding functionality and reliability.



VISION

To increase our scope and reach on global markets with help from our customers, partners and team.

A comprehensive flowchart detailing the installation process for the OHP ELM327 tool, covering driver download, unpacking, installation, device connection, and software download and setup. It includes links to ftdichip.com for VCP drivers and forscan.org for FORScan software.



A visual guide outlining the four main steps for using the OHP ELM327 tool: installing drivers, downloading software, plugging into the OBD2 port, and setting the HS-CAN switch before turning on the ignition.

3. OPERATING INSTRUCTIONS

Once the drivers and software are installed, and the device is connected to your vehicle, you can begin using the OHP FORScan ELM327 tool for diagnostics.

3.1. Initial Connection and HS/MS Switch

Before connecting the OBD2 scanner to the vehicle, ensure the toggle switch is set to HS-CAN. The device features a manual toggle switch to select between HS-CAN (High-Speed CAN) and MS-CAN (Medium-Speed CAN) protocols. This allows access to advanced features and modules within your vehicle.

- **HS-CAN Modules:** PCM (Powertrain Control Module), TCM (Transmission Control Module), APIM (Accessory Protocol Interface Module), DCDC (DC-DC Converter Module), PAM (Parking Aid Module), HCM (Headlamp Control Module), and many others.
- **MS-CAN Modules:** BCMII (Body Control Module II), SODR (Side Obstacle Detection Module - Right), SODL (Side Obstacle Detection Module - Left), FCIM (Front Controls Interface Module), TRM (Trailer Module), RGTM (Rear Gate/Trunk Module), RTM (Rear Traffic Module), PDM (Passenger Door Module), DDM (Driver Door Module), HSWM (Heated Steering Wheel Module), GPSM (Global Positioning System

Module), DSM (Driver Seat Module).

- **HS-CAN 2 Modules:** FDSM (Front Distance Sensing Module), ABS (Anti-lock Braking System), RCM (Restraint Control Module), PSCM (Power Steering Control Module), SCCM (Steering Column Control Module), GWM (Gateway Module), IPMA (Image Processing Module A).



TOGGLE SWITCH
NO ELECTRONIC SWITCH CORRUPTION

HS CAN:
PCM | TCM | APIM | DCDC | PAM | HCM |
AND MANY OTHERS

MS CAN:
BCMII | SODR | SODL | FCIM | TRM | RGTM |
RTM | PDM | DDM | HSWM | GPSM | DSM

HS CAN 2:
FDSM | ABS | RCM | PSCM | SCCM |
GWM | IPMA

This image focuses on the manual toggle switch of the OHP ELM327 tool, explaining its function in switching between HS-CAN and MS-CAN. It lists various vehicle modules that can be accessed through each CAN bus type, such as PCM, TCM, and ABS.

3.2. Performing Diagnostics

Once connected, launch the FORScan software on your laptop. The software will guide you through the diagnostic process. You may be prompted to switch the HS/MS CAN toggle during the diagnostic session to access different vehicle modules. Follow the software's instructions carefully.

Your browser does not support the video tag.

This video demonstrates the unboxing and initial connection of the ELMconfig Plus diagnostic tool, showing how to connect it to a laptop and the vehicle's OBD2 port, and how to operate the HS/MS toggle switch during a diagnostic session with FORScan software.

4. MAINTENANCE

To ensure the longevity and proper functioning of your OHP FORScan ELM327 tool, follow these general maintenance guidelines:

- Store the device in a clean, dry environment away from extreme temperatures.
- Avoid exposing the device to moisture or direct sunlight for extended periods.
- Clean the device with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- Handle the USB cable and OBD2 connector with care to prevent damage.

5. TROUBLESHOOTING

If you encounter issues while using your OHP FORScan ELM327 tool, refer to the following troubleshooting tips:

5.1. Device Not Detected by Computer/FORScan

- **COM Port Issue:** If FORScan or your computer cannot find the cable, try lowering the COM port number in Device Manager (e.g., from COM10 to COM2).
- **Driver Installation:** If drivers do not auto-install, manually install the FTDI driver. Refer to the setup guide for the driver download link.

5.2. "Adapter is not recommended for this car" Error

This is a common warning message within FORScan. You can safely ignore this message, as the OHP ELM327 adapter is fully compatible and designed to work as intended with supported vehicles.

6. SPECIFICATIONS

Feature	Detail
Manufacturer	OHP
Brand	OHP
Model	5
Item Weight	3.84 ounces
Product Dimensions	8.43 x 5.87 x 1.65 inches
Power Source	Corded Electric
Operating System Compatibility	Windows

7. WARRANTY INFORMATION

Please refer to the product packaging or the seller's website for specific warranty details. Generally, OHP products are designed for reliability and come with standard manufacturer support for defects in materials and workmanship.

8. SUPPORT

For further assistance, technical support, or inquiries, please contact OHP customer support via email:

support@elmconfig.com