AUTOPHIX 7810 OBD2 Scanner for BM

AUTOPHIX 7810 BMW Full-Systems OBD2 Scanner Instruction Manual

Brand: AUTOPHIX

Model: 7810

Introduction

About the AUTOPHIX 7810

The AUTOPHIX 7810 is a professional diagnostic scan tool designed for BMW, Mini, and Rolls Royce vehicles. It provides comprehensive system diagnostics and special service functions to assist vehicle owners and repair shops in maintaining and troubleshooting their vehicles.

Key Features

- **Full-Systems Diagnostics:** Supports Engine, ABS, SRS, SAS, CAS, CBS, ADS, Transmission, and 103 other control systems.
- **Full OBDII Functions:** Includes Read/Erase Codes, I/M Readiness, Data Stream, EVAP System Test, and Vehicle Information display (VIN, CID, CVN).
- **Special Functions:** Capable of CBS Reset, SAS, EPB, ECM, DME/DDE, EGS cleared, Battery Management, Oil light Reset, D-P-F Regeneration, F Chassis, and ECU Reset.
- **Wide Compatibility:** Works with most BMW vehicles between 1998 to 2001, and all models after 2001, including Mini and Rolls Royce vehicles with OBDII 16PIN.
- **Lifetime Free Software Update:** Ensures the tool stays current with the latest technology and vehicle models.
- **Display:** Features a 2.8-inch LCD (320 x 240 pixels) with adjustable contrast for clear visibility.
- **Design:** Rugged, anti-drop, and non-slip design for durability.

What's in the Box

- 1 x AUTOPHIX 7810 OBD2 Scanner
- 1 x USB Cable
- 1 x User's Manual



Image: The AUTOPHIX 7810 scanner, its USB cable, and the user manual are displayed, showing the complete package contents.

Setup

Connecting the AUTOPHIX 7810

1. Locate the vehicle's 16-pin Data Link Connector (DLC), usually found under the dashboard on the driver's side.

2. Plug the AUTOPHIX 7810's OBDII connector into the vehicle's DLC.
3. Turn the vehicle's ignition to the ON position (do not start the engine unless instructed by a specific function). The device will power on automatically.



Image: A visual guide demonstrating the connection of the AUTOPHIX 7810 scanner to a BMW vehicle for battery registration, illustrating the OBDII port location and device display.

Initial Setup

- **Language:** Navigate to "Tool Setup" to select your preferred language.
- **Units of Measure:** Choose between Metric or Imperial units.
- **Skin Style:** Select your preferred display theme (e.g., Sky Gray, Gem Blue).

Operating Instructions

Main Menu Overview

The main menu provides four primary options:

- **For BMW:** Access BMW, Mini, and Rolls Royce specific diagnostic and special functions.
- **OBDII:** Access universal OBDII functions for all OBDII compliant vehicles.
- **Tool Setup:** Configure device settings such as language, units, and display.
- **About:** View device information, software version, and serial number.



Image: The AUTOPHIX 7810 scanner's main screen shows options for BMW diagnostics, OBDII system, setup, and information, highlighting its user interface.

Using "For BMW" Functions

1. From the main menu, select "For BMW" and press ENTER.
2. Choose the vehicle brand (BMW, Mini, Rolls Royce) and then the specific series (e.g., 5 Series).
3. Select the chassis code relevant to your vehicle (e.g., E60/E61).
4. You will then be presented with options: "Basic Functions", "Special Functions", and "Erase All Systems Fault Codes".



Image: The AUTOPHIX 7810 scanner is shown connected to a BMW, illustrating its ability to perform all-system diagnostics on BMW, Mini, and Rolls Royce vehicles, covering engine, ABS, SRS, and more.

Basic Functions (BMW Specific)

Allows for system-wide scanning or manual selection of specific control modules.

- **System Scan:** Performs a comprehensive scan of all available control modules in the vehicle. This will identify all modules present and their status (OK or with issues).
- **Manual Select:** Allows you to manually choose a specific control module for diagnosis (e.g., ECM Engine Control Module, ABS, SRS).

Special Functions (BMW Specific)

These functions allow for specific service resets and adaptations.

- **CBS Function (Service Function):** Used for resetting service indicators such as oil changes, brake pads, and other maintenance items.
- **ECM Engine Control Module:** Provides advanced functions related to the engine control unit.
- **Electric Fuel Pump:** Used for resetting or adapting the electric fuel pump after replacement.
- **Battery Management:** Essential for registering a new battery after replacement to ensure proper charging and system functionality.
- **EPB Electronic Parking Brake:** Used to release or engage the electronic parking brake calipers for brake pad replacement or system diagnosis.
- **Steering-angle Sensor:** Allows for calibration or reset of the steering angle sensor, often required after steering component replacement or alignment.
- **Clear Adaptations:** Resets learned values for various systems, such as the EGS (Transmission Control) for adaptive transmission reset.



Image: The AUTOPHIX 7810 scanner displays its special functions, including Battery Registration, Suspension system diagnostics, Electric Fuel Pump reset, and DPF Regeneration.

Using "OBDII" Functions (Universal)

These functions are standard for all OBDII compliant vehicles (1996 and newer in the US).

1. From the main menu, select "OBDII" and press ENTER.

2. **Read Codes:** Retrieves Diagnostic Trouble Codes (DTCs) from the vehicle's computer.
3. **Erase Codes:** Clears DTCs from the vehicle's computer and turns off the Check Engine Light.
4. **I/M Readiness:** Checks the status of emission-related monitors to determine if the vehicle is ready for an emissions test.
5. **Data Stream:** Displays real-time data parameters from the vehicle's sensors (e.g., engine speed, coolant temperature, oxygen sensor readings).
6. **EVAP System Test:** Initiates a test of the evaporative emission control system.
7. **Vehicle Information:** Displays vehicle identification number (VIN), calibration ID, and calibration verification number (CVN).



Image: The AUTOPHIX 7810 scanner's display illustrates its comprehensive OBD2 functions, such as checking engine status, reading and erasing codes, I/M readiness, data streaming, and EVAP system testing.

Maintenance

Software Updates

The AUTOPHIX 7810 offers lifetime free software updates. To update:

1. Visit the official AUTOPHIX website.
2. Download the latest update software for your 7810 model.
3. Connect the scanner to your computer using the provided USB cable.
4. Follow the on-screen instructions from the update software to complete the process.

Care and Storage

- Keep the device clean and free from dust and moisture.
- Store in a cool, dry place when not in use.
- Avoid dropping the device or subjecting it to excessive force.

Troubleshooting

Common Issues

- **No Power:** Ensure the device is correctly connected to the vehicle's DLC. Check vehicle battery voltage.
- **Communication Error:** Verify the ignition is ON. Check the DLC connection. Ensure the vehicle is OBDII compliant (for universal functions) or compatible with BMW-specific functions.
- **Screen Display Issues:** Adjust the display contrast or skin style in "Tool Setup".
- **Function Not Supported:** Not all functions are available on every vehicle model or year. Refer to the vehicle's service manual or contact AUTOPHIX support.

Specifications

- **Model:** AUTOPHIX 7810
- **Display:** 2.8-inch LCD (320 x 240 pixels)
- **Operating Voltage:** 8V-18V
- **Operating Temperature:** 0°C to 60°C (32°F to 140°F)
- **Storage Temperature:** -20°C to 70°C (-4°F to 158°F)
- **Dimensions:** Approximately 3.5 x 1.2 x 6.5 inches
- **Weight:** Approximately 9.6 ounces
- **Supported Protocols:** OBDII 16PIN (J1850 VPW, J1850 PWM, ISO9141, ISO14230, ISO15765 CAN)

Warranty & Support

- **Warranty:** The product comes with a 5-year product warranty.
- **Returns:** Enjoy 60 days free return.
- **Support:** AUTOPHIX Professional Service Team is available 24/7. For technical assistance or inquiries, please visit the official AUTOPHIX website or contact their customer service.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question