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## AUTOOL X50 Plus

# AUTOOL X50 Plus Multi-Function Smart Digital Meter User Manual

Model: X50 Plus

## INTRODUCTION

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The AUTOOL X50 Plus is a multi-function car OBD smart digital meter designed to provide real-time vehicle data, diagnostic capabilities, and safety alarms. This device offers a variety of operating interface modes and a clear LED display, enhancing your driving experience with essential information at a glance.



Image: The AUTOOL X50 Plus device showing its main display with current speed, coolant temperature, and battery voltage.

## KEY FEATURES

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- **Multi-function Display:** Freely switch between various operating interface modes, displaying coolant temperature, fuel consumption, engine speed, and driving speed.
- **Multiple Detection:** Tracks coolant temperature, fuel consumption, and engine speed.
- **Read & Clear Car Fault Codes:** Includes code definitions, allowing scanning and clearing of error codes and data streams for easier diagnosis and repair. Supports full OBD protocols.
- **Smart Light Sensor & 2.4" HD Screen:** Automatic brightness adjustment for optimal visibility in varying light conditions. Large 2.4-inch HD screen provides a clear visual experience.
- **Safety Alarm Functions:** Features early alarms for water temperature, over-speed, shifting reminders, and vehicle faults.

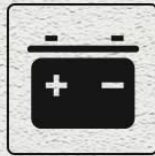
# MULTI-FUNCTION



Driving Speed



Engine RPM



Battery Voltage



Coolant Temp.



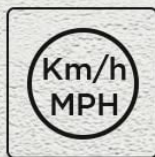
MAF



Intake Pressure



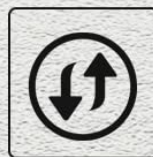
Driving Distance



KM/MPH



Fuel Consumption



Shift Speed  
Alarm



Scan DTCs



Clean DTCs



Speed Alarm



RPM Alarm



Voltage Alarm



Coolant Temp.  
Alarm



Fatigue Driving  
Alarm



Data Stream

Image: A visual representation of the multi-functional capabilities, including driving speed, engine RPM, battery voltage, coolant temperature, MAF, intake pressure, driving distance, KM/MPH conversion, fuel consumption, shift speed alarm, scan DTCs, clean DTCs, speed alarm, RPM alarm, voltage alarm, coolant temp alarm, fatigue driving alarm, and data stream.

## PACKAGE CONTENTS

Upon opening the package, please verify that all components are present and in good condition:

- AUTOOL X50 Plus Main Unit
- OBD Adapter Cable
- USB Cable
- User Manual (this document)
- Retail Packaging Box

# EASY TO OPERATE & INSTALL



Image: The AUTOOL X50 Plus device, OBD adapter cable, user manual, and product packaging.

## SETUP

Follow these steps to set up your AUTOOL X50 Plus device:

1. **Step 1:** Locate your vehicle's OBD-II port. This is typically found under the dashboard on the driver's side. Plug the provided OBD adapter into the car's OBD-II port.
2. **Step 2:** If desired, carefully hide the OBD line in the seam inside the car to ensure a neat installation and prevent interference with driving.
3. **Step 3:** Connect the USB cable from the OBD adapter to the USB port on the AUTOOL X50 Plus main unit.



# EASY TO OPERATE & INSTALL



Image: Step-by-step visual guide for connecting the OBD adapter to the car, routing the cable, and plugging it into the X50 Plus unit.

## Installation Video Guide

Your browser does not support the video tag.

Video: An official video demonstrating the installation process and various functions of the Autool X50 Plus Multi-Function Car OBD Smart Digital Meter.

## OPERATING INSTRUCTIONS

Once connected, the AUTOOL X50 Plus will power on automatically with your vehicle. Use the function button (typically a scroll wheel or button on the side/bottom) to navigate through menus and select options.

### Interface Display Modes

The device offers multiple display interfaces to show different vehicle parameters:

- **Speed Display:** Shows current driving speed (Km/h or Mph).

- **Water Temperature:** Displays engine coolant temperature in Celsius.
- **Voltage:** Shows real-time battery voltage.
- **Travel Distance:** Tracks the distance traveled.
- **Average Speed:** Calculates and displays average driving speed.
- **Fuel Consumption:** Shows current fuel consumption.
- **Average Fuel Consumption:** Displays average fuel consumption over time.

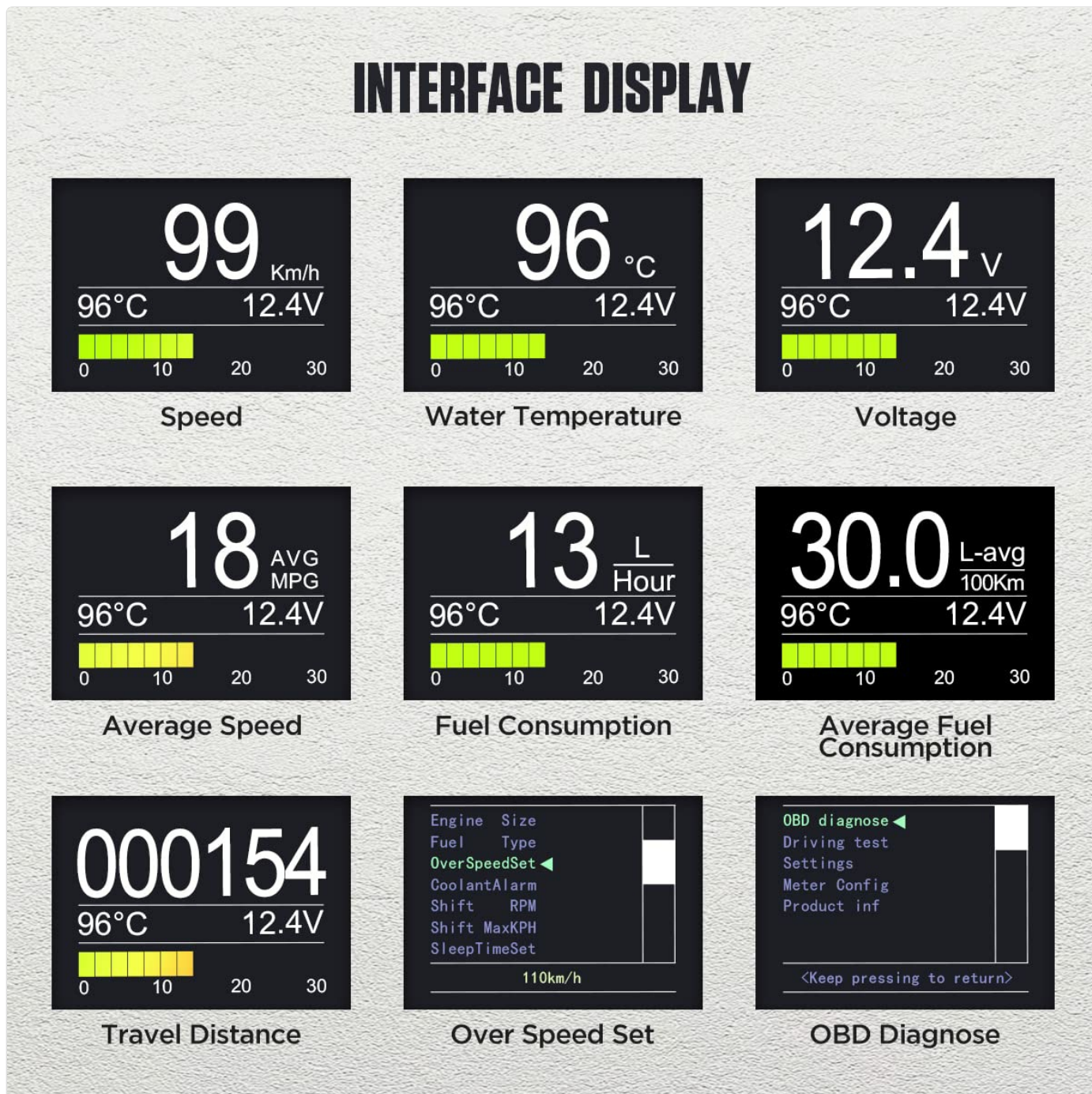


Image: Examples of different data displays available on the X50 Plus, including speed, water temperature, voltage, travel distance, average speed, fuel consumption, and average fuel consumption.

### Automatic Light Sensor

The device is equipped with a smart light sensor that automatically adjusts the screen brightness based on ambient light conditions, ensuring optimal readability during both day and night driving.





Image: The X50 Plus display adapting its brightness for clear visibility in both bright daytime and dark nighttime conditions.

## OBD Diagnosis and System Settings

The AUTOOL X50 Plus allows you to access OBD diagnosis functions and customize system settings:

- **Scan DTCs:** Scan for diagnostic trouble codes (DTCs) to identify vehicle issues.
- **Clean DTCs:** Clear stored fault codes after addressing the underlying problem.
- **Driving Test:** Perform acceleration and brake tests.
- **System Settings:** Adjust units (Imperial/Metric), displacement, fuel type, speed alert thresholds, coolant alert thresholds, and other parameters.

Navigate these menus using the function button. Push the button to select, and hold to go back or confirm, depending on the menu context.

## MAINTENANCE

To ensure the longevity and optimal performance of your AUTOOL X50 Plus, follow these simple maintenance guidelines:

- Keep the device clean by wiping it with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- Ensure the OBD-II connector and USB port are free from dust and debris.
- Avoid exposing the device to extreme temperatures or direct sunlight for prolonged periods, especially when the vehicle is parked.
- Handle the device and cables with care to prevent physical damage.

## TROUBLESHOOTING

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If you encounter issues with your AUTOOL X50 Plus, please refer to the following common troubleshooting tips:

- **Device Not Powering On:**

- Ensure the OBD adapter is securely plugged into the vehicle's OBD-II port.
- Verify that the USB cable is firmly connected between the adapter and the X50 Plus unit.
- Check your vehicle's ignition status; the device typically powers on with the vehicle.

- **No Data Displayed or Incorrect Readings:**

- Confirm your vehicle is OBD-II compliant. Most vehicles manufactured after 1996 in the US, and later in other regions, are.
- Refer to the compatibility list below. Some specific vehicle models or years may not be fully supported.
- Ensure the engine is running for real-time data to be available.

- **Alarms Triggering Unexpectedly:**

- Check the alarm threshold settings in the system settings menu. Adjust them to appropriate values for your vehicle and driving habits.
- If a fault code alarm triggers, perform an OBD diagnosis to identify the specific issue.

## Vehicle Compatibility

The AUTOOL X50 Plus supports most OBD-II compliant vehicles. However, some specific models and years may not be fully compatible. Please review the following list of known unsupported vehicles:



## NOT SUPPORT NEV & SOME SPECIAL CARS

BMW MINI R50 2004 ONE D	Hyundai Accent II 2011	Opel Corsa D 2012
BMW E90 M47N20 2007	Hyundai Getz 2006	Opel Vivaro 2011
BMW X5 2002-2010	Hyundai i20 2008-2013	Perodua Alza
BMW X5 Diesel 2013	Hyundai Santa Fe 2008-2013	Perodua Myvi Lagi Best 2012
Chevrolet Silverado 2004-2006	Hyundai Sonata 2008-2013	Perodua Viva
Chevrolet Trailblazer 2006	Hyundai Tucson 2008	Peugeot 206 2002
Chevrolet Vivant 2007	Isuzu Dmax 2012	Pontiac Bonneville 2005
Chevrolet Aveo 2009	Iveco Dayly 2006	Rainier 2005
Chrysler Vivant Model 2007	Jaguar XF 2011	Renault Clio 2 Phase
Chrysler Town and Country 2007	KIA JOICE 2001	Renault Kangoo 1.5DCi 2007
Dacia Duster 2017	KIA Morning 2008	Renault Sandero 2009
Daihatsu Sirion 2011	KIA Sorento 2005	Rover 25 2004
Dodge Durango 2004	Lincoln Towncar 2003	Seat Ibiza Mouth 1.4 Gas 2010
Dodge Neon SRT-4 2004	Mercedes Classe a 2013	Skoda Fabia 2009
Ford Taurus 2003	Mercedes Sprinter 2007	Skoda Octavia 2014
Ford Mustang 2004	Mini Clubman 2010	Toyota Allion 2009
Ford Galaxy 2005	Mini Cooper 2003	Toyota Altis 2016
Ford Ka Galaxy 2000-2005	Mini Cooper 2008	Toyota Avanza 1.3L 2010
Pontiac Grand Prix 2006	Mini Cooper S R53 2005	Toyota Avenis 2008
Grand Marquis 2004	Mini Cooper S R56 2009	Toyota Camry 2013
Honda CRV 2008-2016	Mitsubishi Outlander 2013-2016	Toyota Camry XLE 2016
Honda Element 2010	Nissan Altima 2005	Toyota Fortuner 2014
Honda HRV 2016	Nissan Frontier 2012	Toyota Hilux Vigo 2015
Honda Jazz 2010	Nissan G11 2009	Toyota Porte 2009
Honda Stepwgn 2013	Nissan Livina 2008	Toyota Prius
Honda V6 2010	Nissan Murano 2007	Toyota Prius Plus 2013
Honda Year Model 2017	Nissan Note 2006	Volkswagen Golf IV GTI 2003
Hyundai i30 SW 1.6CRDi 2008	Nissan Rouge 2014	VOVOL XC60 2005
Hyundai Accent 2008-2013	Nissan Sunny n17 2012	VOVOL XC60 2009

**2005 ➡ PRESENT**

**SUPPORT VEHICLES:**  
EUROPEAN CARS &  
AMERICAN CARS

**2008 ➡ PRESENT**

**SUPPORT VEHICLES:**  
JAPANESE CARS & KOREAN CARS &  
CHINESE CARS

Image: A detailed list of specific car models and years that are not supported by the AUTOOL X50 Plus device. This includes certain BMW, Chevrolet, Chrysler, Dacia, Daihatsu, Dodge, Ford, Honda, Hyundai, Isuzu, Iveco, Jaguar, KIA, Lincoln, Mercedes, Mini, Mitsubishi, Nissan, Opel, Perodua, Peugeot, Pontiac, Rainier, Renault, Rover, Seat, Skoda, Toyota, and Volkswagen models.

If your vehicle is on this list or you are unsure about compatibility, please contact AUTOOL customer service before purchase or for further assistance.

## SPECIFICATIONS

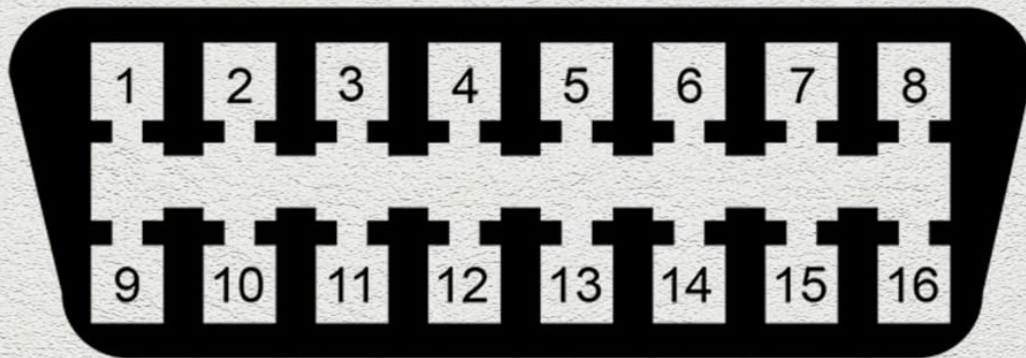
Parameter	Value
Working Voltage	DC 10-18V
Working Current	<80mA
Dormant Current	<15mA
Working Temperature	-20 to 85 °C
Product Dimensions (L x W x H)	80 x 60 x 55 mm (3.15 x 2.36 x 2.17 inches)
Screen Size	2.4 Inches
Material	Plastic



Image: A visual breakdown of the AUTOOL X50 Plus, highlighting its dimensions, USB port, function button, and OBD adapter.



# OBD-II CONNECTOR PINOUT



OBD2 Pin	Description
2	SAE J1850 Bus+
4	Chassis
5	Signal Ground
6	CAN High
7	ISO9141 K Line
10	SAE J1850 Bus-
14	CAN Low
15	ISO9141 L-Line
16	Vehicle Battery Positive



Image: The OBD-II connector pinout diagram, detailing the function of each pin.

## WARRANTY & SUPPORT

AUTOOL provides a comprehensive service guarantee for the X50 Plus Multi-Function Smart Digital Meter.

- **Warranty Period:** If you encounter any problems with the device, you can contact customer service for a free replacement within three years of purchase.
- **Technical Support:** Technical support is available to timely and effectively resolve quality problems within 24 hours.

For support, please refer to the contact information provided with your product packaging or visit the official AUTOOL website.



## Related Documents - X50 Plus

	<p><a href="#">AUTOOL X95 GPS Speed Slope Meter - Digital Inclinometer &amp; Speedometer</a></p> <p>Comprehensive overview of the AUTOOL X95 GPS Speed Slope Meter, featuring a digital inclinometer, head-up display speedometer, and tilt gauges for all DC5-28V cars. Learn about its accurate GPS system, alarm functions, and wide application range.</p>
	<p><a href="#">AUTOOL X60 Car OBD Multi-function Meter User Manual</a></p> <p>Comprehensive user manual for the AUTOOL X60 Car OBD Multi-function Meter, detailing installation, features, operation, settings, product parameters, warranty, and troubleshooting for optimal vehicle diagnostics.</p>
	<p><a href="#">AUTOOL X50 PLUS Car OBD Multi-function Meter User Manual - Features, Installation, and Specifications</a></p> <p>Comprehensive user manual for the AUTOOL X50 PLUS, a car OBD multi-function meter. Learn about its features, installation, operation, performance tests, parameter settings, warranty, and technical specifications.</p>
	<p><a href="#">AUTOOL X90 Smart OBD Slope Meter User Manual</a></p> <p>User manual for the AUTOOL X90 Smart OBD Slope Meter, detailing its features, specifications, installation, and warranty. This device combines HUD display with a slope meter for enhanced vehicle safety and monitoring.</p>
	<p><a href="#">AUTOOL X60 Car OBD Multi-Functional Meter User Manual</a></p> <p>User manual for the AUTOOL X60 Car OBD Multi-Functional Meter. Covers product introduction, installation, operation, settings, diagnosis, performance tests, parameters, packing list, and warranty information.</p>
	<p><a href="#">AUTOOL LM110 Digital Manifold Gauge User Manual</a></p> <p>User manual for the AUTOOL LM110 Digital Manifold Gauge, providing detailed instructions on its features, operation, specifications, and troubleshooting for refrigeration system maintenance.</p>