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UniCarScan®

USB OBD-2 Diagnostic Interface
USCI-1000
UCSI-1001

User Manual



This document is based on the latest information available at the time of printing. The manufacturer reserves the right to make changes to any products covered by this manual to improve the reliability, functionality and design. The manufacturer assumes no liability for damages resulting from the using the products described here.

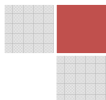
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Warnings

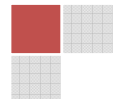
Don't use the diagnostic interface and the equipment connected to it (PCs, notebooks, PDAs, etc.) while driving! Park the vehicle at a suitable location.

Place the connected device in the vehicle in such way that it is not obstructing the observation or liberty of the movement in any way! Make sure the unit is properly secured and accidentally can not fly around.

Do not leave the diagnostic interface connected to the OBD port of your vehicle if it might restrict your movement liberty (e.g. impairment of the leg due to open OBD connector slot or through the UniCarScan interface itself).

The product contains no user-serviceable components. Any unauthorized changes or modifications will void the warranty and all the legal certificates.

The manufacturer assumes no liability for accidents, injury or damage that may caused by a failure to comply with these instructions!



Description

The following manual provides important information for the operation of the UniCarScan diagnostic interface. The device is designed for reading the diagnostic data from vehicle using a standard OBD-2 (On-Board Diagnostics) connector.

UniCarScan is an OBD-2/EOBD diagnostic system for vehicle diagnostics in accordance of government mandated OBD-2/EOBD standards. The system includes UniCarScan diagnostic interface and ScanMaster-UniCarScan software and supports all 10 defined by SAE J1979 OBD-2 diagnostic modes:

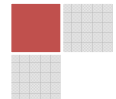
- Mode 01 – Current Diagnostic Data
- Mode 02 – Freeze Frame Data
- Mode 03 – Diagnostic Trouble Codes (DTCs)
- Mode 04 – Clear/Reset Emission-Related Diagnostic Information
- Mode 05 – Request Oxygen Sensor Monitoring Test Results
- Mode 06 – Request On-Board Monitoring Test Results for Specific Monitored Systems
- Mode 07 – Diagnostic Trouble Codes Detected During Current or Last Completed Driving Cycle
- Mode 08 – Request Control of On-Board System, Test or Component
- Mode 09 – Request Vehicle Information
- Mode 0A – Permanent Diagnostic Trouble Codes

and all the communication protocols:



- ISO9141-2
- ISO14230-4 (KWP2000) fast init
- ISO14230-4 (KWP2000) slow init
- SAE J1850 VPW
- SAE J1850 PWM
- ISO15765-4 (CAN Bus) 11/250
- ISO15765-4 (CAN Bus) 11/500
- ISO15765-4 (CAN Bus) 29/250
- ISO15765-4 (CAN Bus) 29/500

UniCarScan is an ideal OBD solution (also called scan tool or OBD scanner) to diagnose all OBD-2-capable systems and it is well suited for automotive and workshops for savvy home and hobby mechanics.



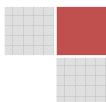
Preparation for testing

The communication with the display device (PC, laptop or PDA) is done using USB cable. The diagnostic interface handles all the complexity of the communication protocol of the vehicle control unit.

The diagnostic software ScanMaster-UniCarScan and USB drivers should be installed before the connecting the interface to the PC or laptop. This would ensure the proper driver installation and functioning of the unit.

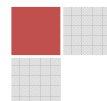
The interface is powering from USB port allowing connecting and configuring the interface even without connecting to the vehicle diagnostic port.

After installing the software, connect the interface with a USB cable to your PC / laptop. Windows operating system will detect the device and install automatically. With helping of the device driver included in distribution the installation is the "plug and play" and requires no additional settings. The device will be recognized by the diagnostic software automatically.



Software

The user manual for the ScanMaster-UniCarScan diagnostic software can be found on the CD or alternatively on the device manufacturer web page <http://www.unicarscan.net>



EC-Declaration of Conformity

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Product specification: OBD-2 Diagnostic interface
Type: UCSI-1000, UCSI-1001

We declare under our sole responsibility that above product is according to the basic requirements, which are defined in the European Directives 2004/108/EG Electromagnetic Compatibility (EMC) and their amendments.

For the evaluation of compliance the following harmonized standards were used: 2004/108/EG - EN 61000-6-1:2007, EN 61000-6-3:2007

Bünde, 01.10.2012

Authorized signature of the producer



Do not dispose of the device with regular domestic waste.

Electronic equipment must be disposed of at local collection points for waste electronic equipment in compliance with the Waste Electrical and Electronic Equipment Directive.

