Short User Manual

USB KKL Car Diagnostic Tool K²L901

Version: 1.3

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https://www.obd2-shop.eu

Manufacturer: OBD2-Shop.eu, Florian Schäffer, Bergener Str 27, D – 30625 Hannover

The shown USB OBD KL Car Diagnostic Tool is compliant to WEEE. WEEE-registry number: DE84758259

If this product is to be disposed of, this must not happen with the normal household waste. Electrical and electronic waste must be disposed of separately in accordance with the WEEE Directive (2002/96EU). Private households in the EU can take used equipment free of charge at special recycling stations. In particular member states you can also leave the equipment to the dealer where they were purchased.

1 Introduction

1.1 Important notes

There is no liability accepted for defective functions and their consequences (for example hardware and software or vehicle).

Pay attention to your safety and that of other road users! Not fiddling around with the Hard-/Software while driving. The device is not approved for use in public roads.

Manipulation of ECUs in the vehicle can cause irreversible damage and impair road safety. Only carry out functions for which you are aware of the effect.

Always consult the original manual of the manufacturer to interpret error messages and to get experience about allowed changes of parameters.

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1.3 Features

The diagnostic interface is used for vehicle diagnostics on cars and light trucks with an on-board voltage of 12 V. Vehicles (trucks) with 24 V may not be connected. The interface is only for signal level adjustment between vehicles and diagnostic computer (PC/laptop), it does not have its own protocol interpreter. The protocol logic (manufacturer-specific/OBD II) must provided by the diagnostic software installed on the computer. The diagnostic interface supports only K and L diagnostic lines. The output signals on the L line are the same as on the K line ("named KKL"). To use the interface a driver must be installed on the PC.

1.4   Overview
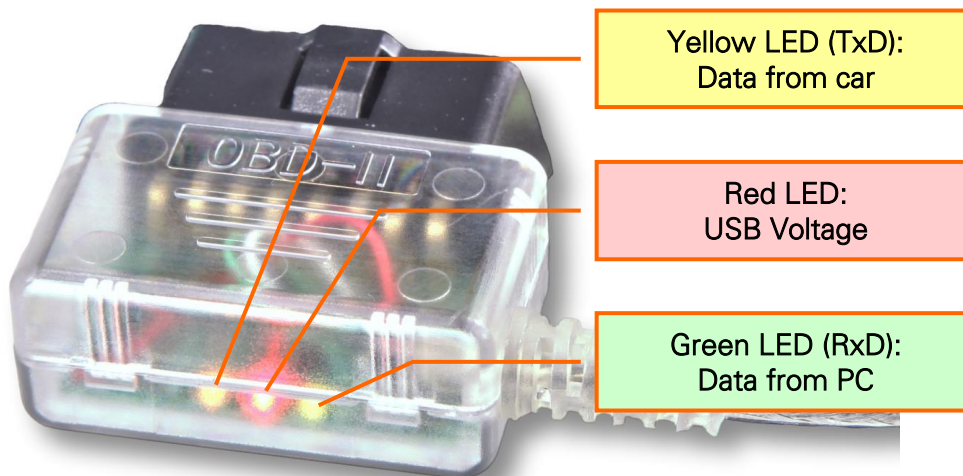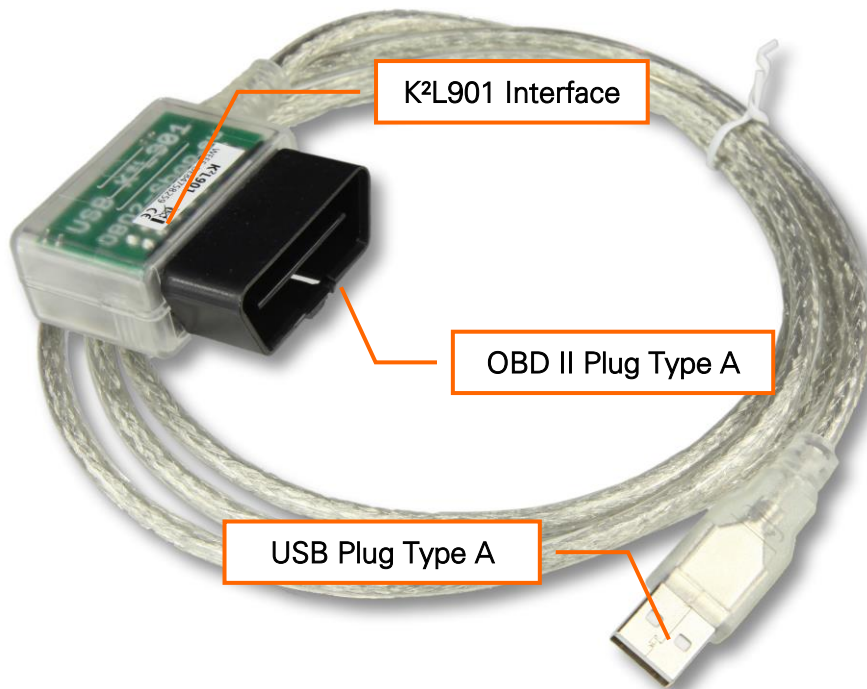
1.5   Important note on the driver version

Normally no drivers are needed. Windows install and use automatically the FTDI-Driver. With the latest drivers from version 2.08.28 there are sometime some problems. It can then lead to connection problems and the interface is not recognized correctly. Therefore, use only the software release 2.08.24 (https://ftdichip.com/drivers/vcp-drivers/).

If you have already installed the new driver, uninstall it again. Perform any (automatic) updates.

Have you already installed driver or automatically installed which based on the Internet, check the version and delete the drivers and manually install the older one.

1.6   Function test

To confirm that the tool is working and the drivers are installed correctly you can proof it:

1.   Install a terminal programm like HTerm (http://www.der-hammer.info/terminal).

2.   Setup the shown values and the COM port you use for the K²L901.
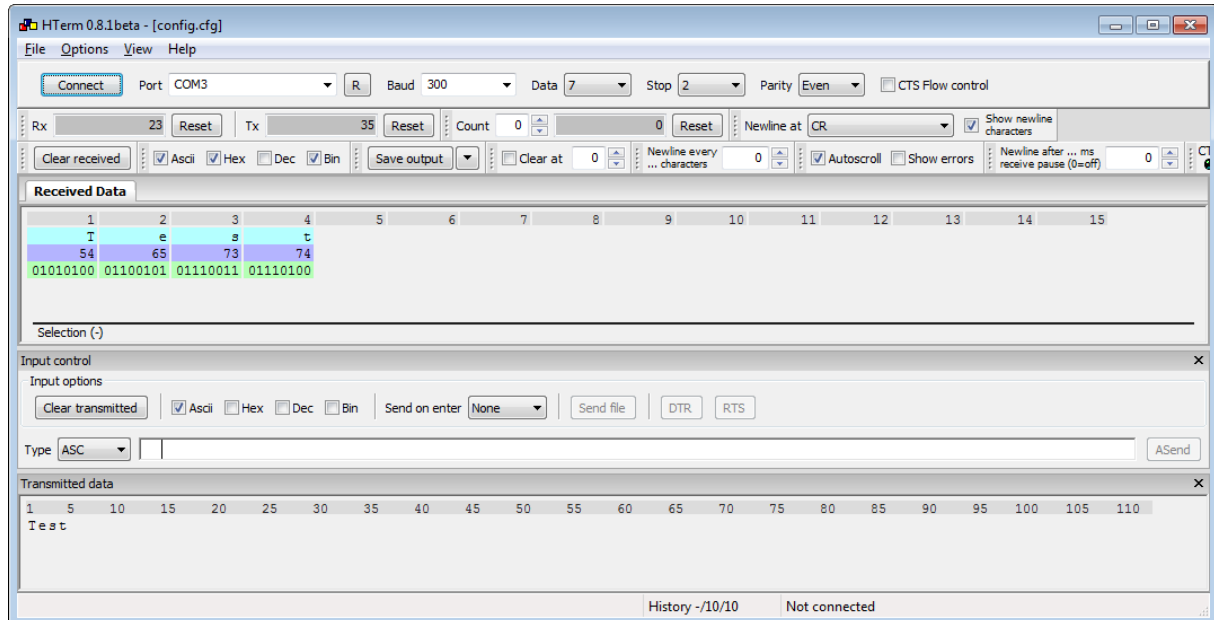
3.   Connect the interface with a car or supply it with 12 V.

4.   Click on the button *Connect*. The button label will change to *Disconnect*.

5.   Click into the entry line down near to *Type ASC* and type any text.

6.   After pressing <Return> the entered text must be shown in the *Received Data* area above.

The driver is installed correctly and the diagnostic tool will work. Using this method, no one hundred percent conclusion can be made whether the interface is absolutely error-free because not all components are fully integrated into the test in this way. However, it is highly likely functional.