



**ISOLATED CONVERTER
MS USB-TTL Serial**



USER MANUAL

PLOVDIV 2013

I. ORDER CODE

MS USB-TTL Serial - x

Name _____

Version _____

- 1 - connector to the TTL Serial interface is USB mini
 - 2 - no connector to the TTL Serial interface
 - 3 - connector by request
-

II. SPECIFICS



The converters require drivers to be installed for the corresponding version of WINDOWS



In cases where the TTL Serial Interface Connector is a USB mini type, the converter should only be used with devices that use TTL Serial Communication.

In this case, the converter should not be used on standard USB devices on the USB mini connector side.

On the PC side, a standard USB port with USB 2.0 communication is used.

Ports USB2.0 and TTL Serial are isolated galvanically.

The converter doesn't require external supply for the TTL Serial interface.

III. DESIGNATION AND OPERATION

The MS USB-Serial UART converter is designed to convert signals between the USB 2.0 interface into a serial interface with TTL signal levels Rx and Tx. The main application of the LNB is to connect various TTL Serial Interface devices to a computer for programming. An example of such devices are various transmitters and controllers that are tuned or programmed with a computer.

IV. TECHNICAL DATA

Interface TTL Serial	
Fixed to the housing USB mini connector	Rx, Tx and GND
Format	8/7 data 1/2 stop odd/even//no parity
USB interface	
USB 2.0 B	Connecting to a PC
Galvanic isolation	
Between USB and TTL Serial interface	1 kV
PC software	
Applications	After installing a driver, it is interpreted as a COM PORT from any serial communication program, SCADA software, MSDLN3.02 archive system, MODBUS RTU / ASCII applications, and more.
Operating system	
Compatibility	Windows 8 /Windows 7/Vista x64 / XP x64 / Server 2003 x64 / Vista / XP / Server 2003 / 2000 / ME / 98 / CE.NET (OT 4.2) Linux, Mac OS X / OS 9 / OS 8
Indication	
LED	3 Rx, Tx, Power
Power supply Provided by a PC – galvanically isolated	
Operating conditions	
Temperature and relative humidity without condensation	Operating conditions: -10 ÷ 65 °C / 20 ÷ 90 % rh Storage conditions: -10 ÷ 70 °C / 20 ÷ 90 % rh
Dimensions	
Overall dimensions (WxHxL)	50 x 90x 25mm
Weight	max 50 g
Protection class	IP40

WARRANTY CARD

Warranty Card № :

Warranty term : months

Factory number :

The article is bought by :

With Invoice № :/..... 20..... y.

WARRANTY CONDITIONS

The guarantee consists of free repair of any manufacturing defects that may occur during the warranty period. **The repair can be done when this warranty card and the invoice, with which the device is bought, are presented in the repair base.** The warranty does not cover failure, caused by bad transport, bad storage, incorrect usage, nature elements, nonobservance of the instruction for operation, and the cases, in which there is an attempt for repairing by another people. In these cases the defect can be repaired only for payment. The service during the warranty term and settling of the reclamations will be done in accordance with the relevant Union and national legislation in force.

REPAIRS MADE IN THE SERVICE BASE

Service	Date of entering	Order number	Type of repair made	Date of delivering	The repair is made be

Seller:.....

Customer:.....

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