

This converter enables you to integrate a DMX universe with 512 DMX registers into your building automation solution. Your host must be able either to send simple ASCII strings or to handle the MODBUS/RTU master protocol. With our free software MODBUS configurator you can configure and test a DMX system. This converter is ideal in combination with PLCs, DDCs or multimedia control equipment like CRESTRON®, AMX® or CONTROL4®. You can also use this converter in combination with our powerful RESI-Tx DDCs and touch panel solutions.



RESI-DMX-ASCII

Connects a host with ASCII serial interface or MODBUS/RTU master interface to a DMX light system, Host communication: via RS232 or RS485 with simple ASCII strings or MODBUS/RTU slave protocol, Host baud rates: 9600, 19200, 38400 or 57600Bd, no or even parity, 8 data bits, 1 stop bit, The complete DMX universe with 512 DMX registers is supported, DMX and serial RS232/RS85 interface is galvanic isolated, Configuration and testing of DMX lamps with free PC software MODBUS configurator, Weight: 55g, Dimension (LxWxH): 17,5x90x58mm, Power supply: 24V=, Power consumption: <0.5W, Mountable onto a EN50022 DIN rail.

RESI-MODBUS-CONFIGURATOR

Consisting of a free of charge software to configure a DMX light system. Download from our homepage www.RESI.cc.

ASCII mode

In this mode the host can communicate with simple ASCII text strings. To get the version of the converter the host has to send

#VERSION_{CR}

The converter answers with

#VERSION:1.0.0_{CR}

To set three DMX registers for a DMX RGB spot with DMX starting index 1, the host sends:

#DMX:0=0xFF,0xFF,0xFF_{CR}

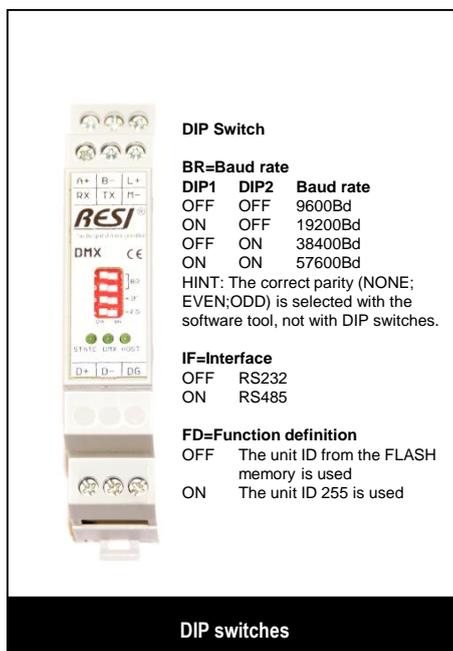
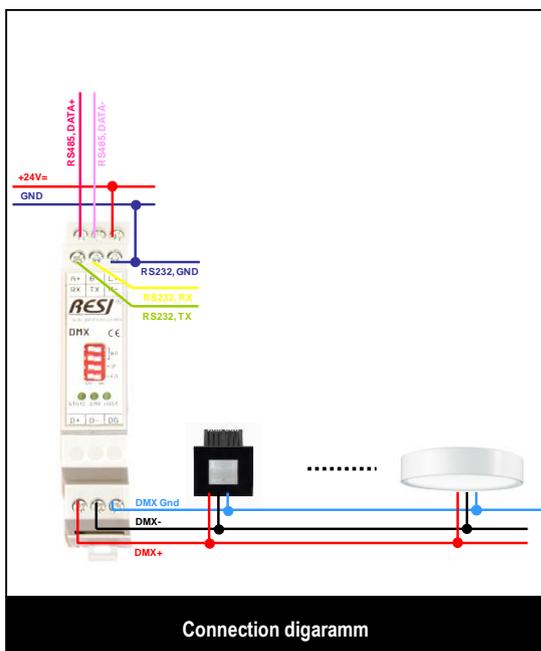
The converter answers with

#OK_{CR}

MODBUS/RTU mode

The converter also acts as an MODBUS/RTU slave. Therefore the communication is done via MODBUS holding registers. The 512 DMX registers are mapped to the first 512 holding registers.

To set the DMX RGB spot with DMX index 1 to white, write to holding register 0 255, then to holding register 1 255 and then to holding register 2 255.



AT A GLANCE

- Connects a host with an ASCII serial interface or MODBUS/RTU master interface to DMX bus
- Host communication: via RS232 or RS485 with simple ASCII text strings or MODBUS/RTU Slave protocol
- Host baud rates: 9600, 19200, 38400 or 57600Bd, no or even parity, 8 data bits, 1 stop bit
- All 512 DMX registers in a DMX universe are supported
- DMX and serial interface is galvanic isolated
- Configuration and testing of DMX lamps with free PC software MODBUS configurator
- Power supply: 24V=
- Power consumption: <0.5W
- Mountable onto a EN50022 DIN rail