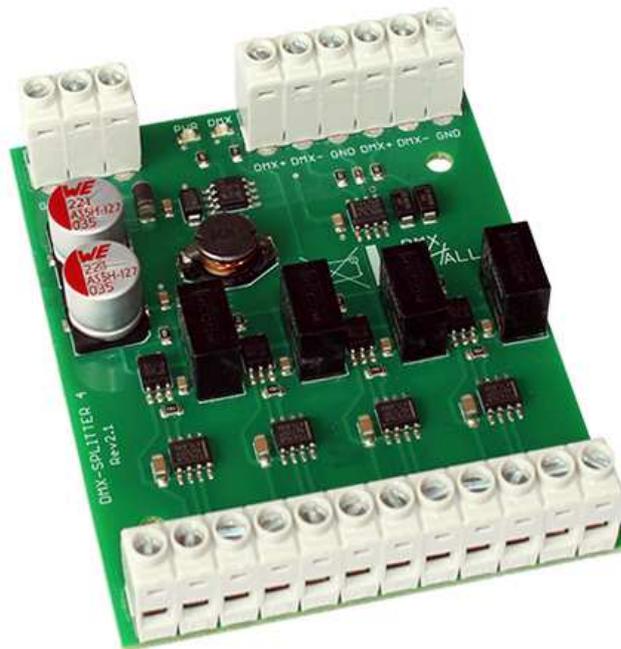# DMX-Splitter 4

User Manual

DMX®**4ALL**
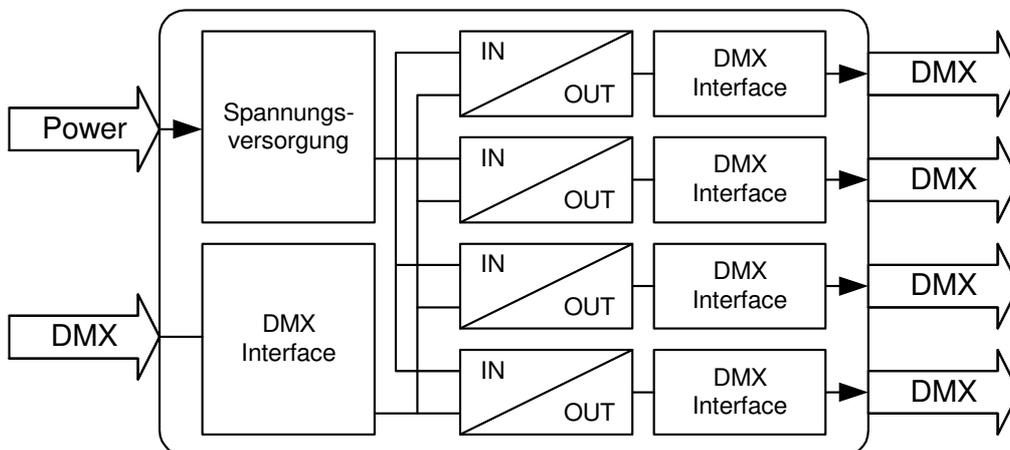
For your own safety, please read this user manual and warnings carefully before installation.

Contents

Description

The **DMX-Splitter 4** is a compact DMX-Divider with one DMX-Input signal which provides these at four galvanically isolated outputs.

4 galvanically isolated outputs
The DMX-Splitter 4 is a compact DMX-Divider with one DMX-Input signal which provides these at four galvanically isolated outputs.

Extremely light construction
Extremely light DC/DC converters are used for galvanic isolation.

Power supply via one power supply unit
The power supply occurs via one power supply unit. The voltage range is between 8V up to 24V.

Compact design for top hat rail mounting
The DMX-Splitter 4 is suitable for installation in top hat rail mountings with a width of 7cm due to its small size.

LED-Display
Two LEDs show clearly the current operation mode.

Top hat rail mounting available
Suitable for the DMX Splitter 4 the DIN rail housing 700 is available as accessory.

Data Sheet

Power supply:	8-24V DC (350mA@12V; 200mA@24V)
Input:	512 Channels
Output:	4x 512 Channels galvanically isolated
Connections:	Screw terminals
Dimensions:	64,2mm x 82mm

Content

1x   DMX Splitter 4
1x   Quick manual german and english

Model Overview

The different models of the **DMX-Splitter** series provide a different range of functions and are available in different versions.

Model	DMX-Splitter 4	DMX-Splitter 4 RDM	DMX-Splitter 4 RDM+	DMX-Splitter 6	DMX-Splitter 6+
Version	Board	Board	Mounted Device	Board	Mounted Device
Protocol	DMX512	DMX512 / RDM	DMX512 / RDM	DMX512	DMX512
Power supply	8-24V DC	8-24V DC	8-24V DC	8-24V DC	8-24V DC
Outputs	4	4	4	6	6
Touch control	✗	✗	✓	✗	✗
RDM	✗	✓	✓	✗	✗
RDM-Filter	✗	✓	✓	✗	✗
RGB Status LED	✗	✓	✓	✓	✓
RGB DMX LED	✗	✓	✓	✗	✗
RGB RDM LED	✗	✓	✓	✗	✗
Disconnectable LED Display	✗	✓	✓	✗	✗
Top hat rail mounting	✗	✗	✓	✗	✓

✗   Not available in this version   ✓   Available in this version
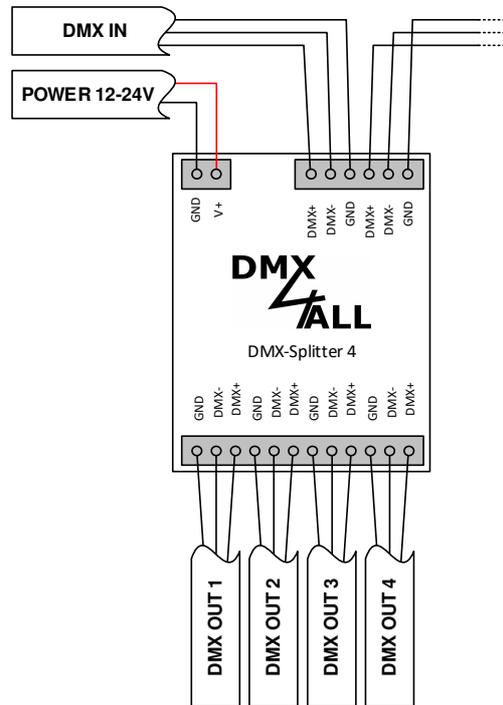
LED-Display

LED green

The green LED lights up as soon as operation voltage is connected.
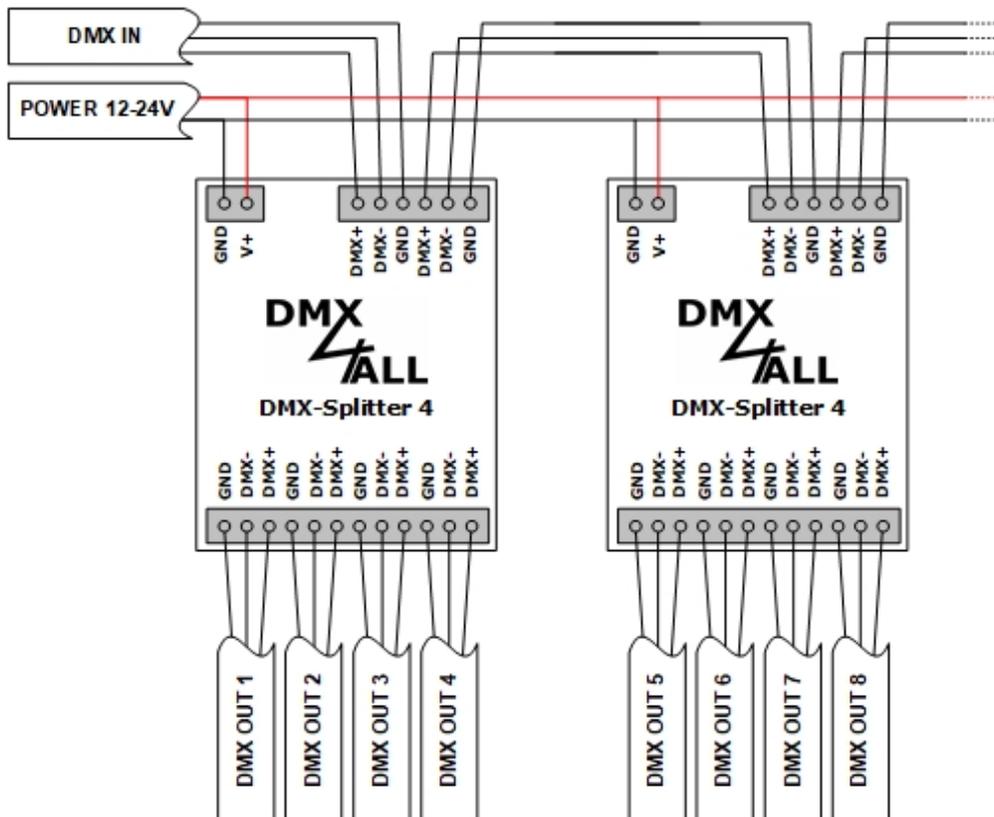
LED yellow

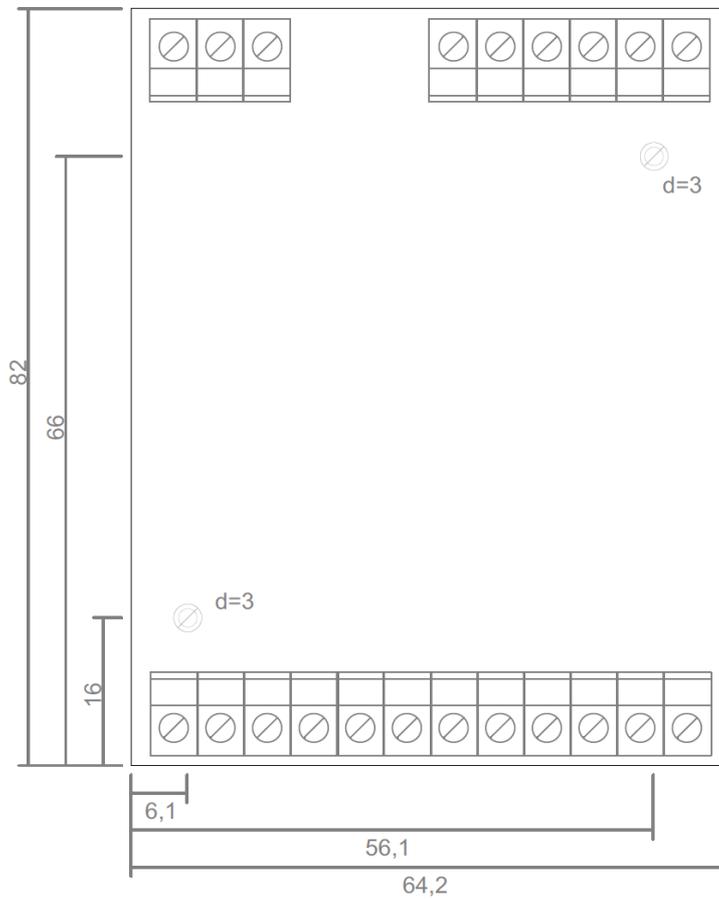The yellow LED lights up as soon as a DMX signal is connected to DMX-IN.

Connection

If more than 4 DMX-Outputs are needed, several DMX-Splitter 4 can be combined as follows:

Dimensions

All details in mm

Accessories

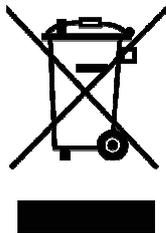**Top hat rail mounting 700**

Power supply 12V

CE-Conformity

This assembly (board) is controlled by a microprocessor and uses high frequency. In order to maintain the properties of the module with regard to CE conformity, installation into a closed metal housing in accordance with the EMC directive 2014/30/EU is necessary.

Disposal

Electronical and electronic products must not be disposed in domestic waste. Dispose the product at the end of its service life in accordance with applicable legal regulations. Information on this can be obtained from your local waste disposal company.

Warning

This device is no toy. Keep out of the reach of children. Parents are liable for consequential damages caused by nonobservance for their children.

Risk-Notes

You purchased a technical product. Conformable to the best available technology the following risks should not excluded:

Failure risk:
The device can drop out partially or completely at any time without warning. To reduce the probability of a failure a redundant system structure is necessary.

Initiation risk:
For the installation of the board, the board must be connected and adjusted to foreign components according to the device paperwork. This work can only be done by qualified personnel, which read the full device paperwork and understand it.

Operating risk:
The Change or the operation under special conditions of the installed systems/components could as well as hidden defects cause to breakdown within the running time.

Misusage risk:
Any nonstandard use could cause incalculable risks and is not allowed.

Warning: It is not allowed to use the device in an operation, where the safety of persons depend on this device.

DMX

®

4ALL

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