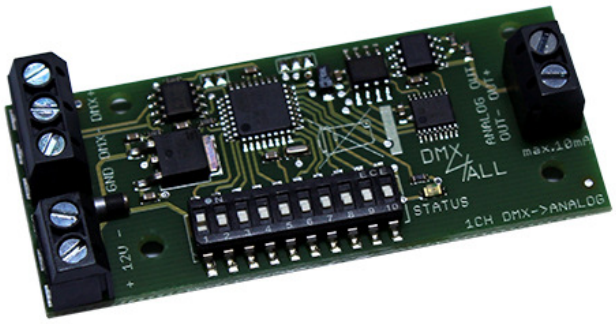
DMX-Analog Interface
1-Channel

User manual



Art.-Nr.: 90-3901

DMX4ALL®

Description

The **DMX-Analog Interface 1-Channel** is excellent suitable for controlling electronic devices with 0-10 V or 1-10V control input.

An analog signal with 1-10 V or 1-10V output voltage is available at the exit.

Via a DMX-Channel the output is controlled linear in 256 steps.

Data Sheet

Power supply:	12V DC / 50mA
DMX:	1 DMX-Channel on screw terminals
DMX-Fail:	Hold / Off / On
Mode:	0-10V or 1-10V adjustable
Output:	1x Analog-Output max. 10mA 256 Steps (DMX-Value 0-255 → Analog voltage 0-10V) on screw terminals
Dimensions:	30mm x 70mm

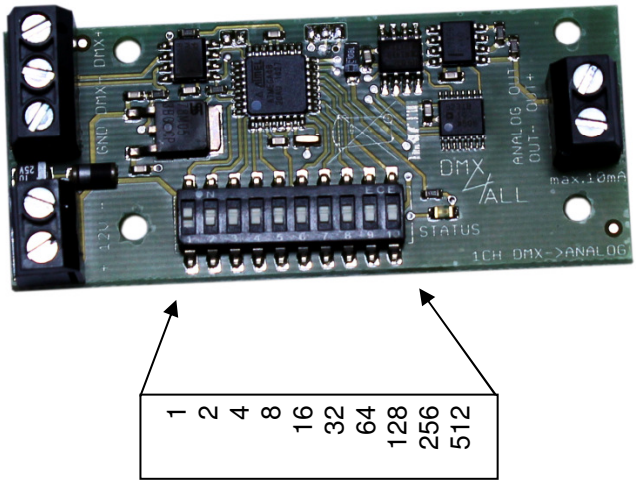
Connections

⚠ The Analog-Output is not galvanically isolated !

Addressing

The DMX-Address is adjustable via switch 1 up to 9.

Thereby switch 1 has the valency 2^0 (=1), switch 2 the valency 2^1 (=2) and so on until switch 9 has the valency 2^8 (=256). The switches showing ON represent in sum the starting address.



LED-Display

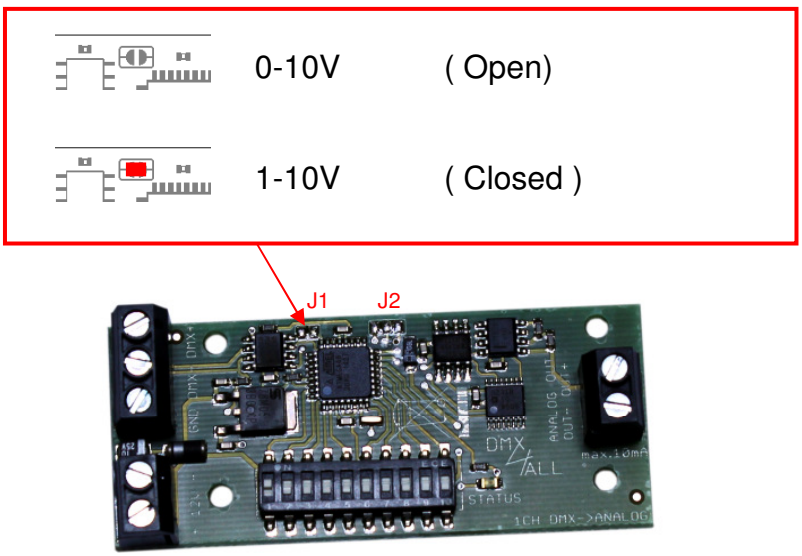
The integrated green LED is a multi function display. During the normal operation the LED lights permanently. In this case the device is working.

Furthermore the LED shows the current status. In this case the LED lights up in short pitches and then is missing for longer time. The number of the flashing lights is equal to the event number:

Status-Number	Error	Description
1	No DMX	There is no DMX-Signal
2	Addressing error	Please check the adjusted DMX address. This must be in the range of 1 up to 512.
3	DMX-Signal error	There is an unvalid DMX-Address recognized. Switch the signal line at pin 2 and 3 or use a twisted connection cable.

Setting the output voltage

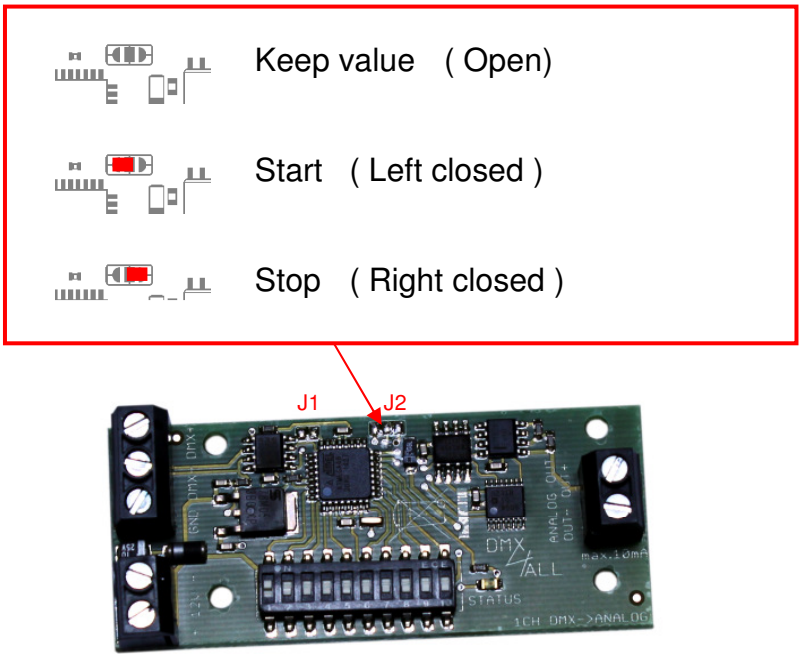
Via a soldering jumper J1 is adjustable if output 0-10V or 1-10V should be outputted.



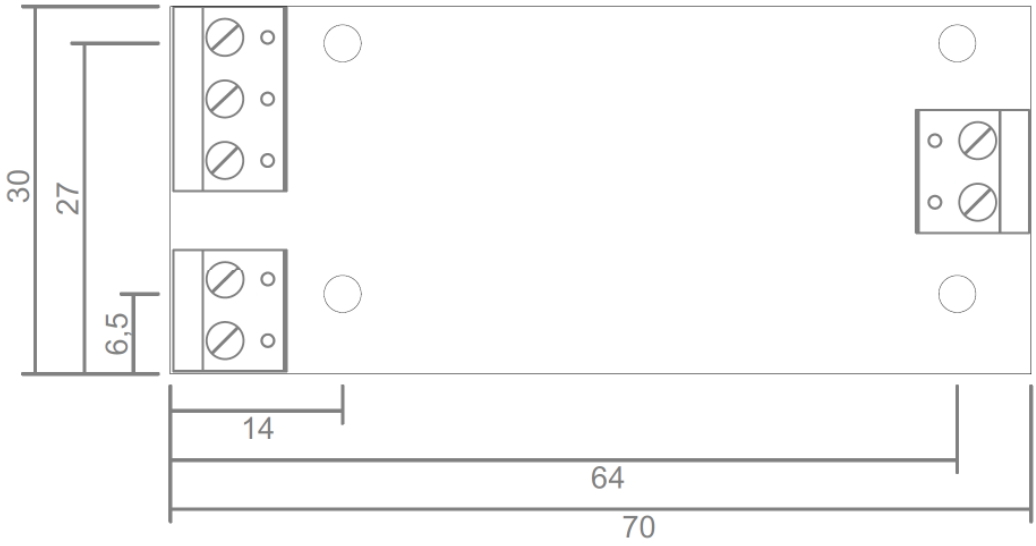
Acting by DMX-Failure

The **DMX-Analog Interface 1-Channel** is able to keep the output with the last value, to close the output (0V resp. 1V) or to start (10V) in the case of a DMX-Failure (DMX-Fail).

The acting in the case of a DMX-Failure is adjustable via soldering jumper J2:



Dimensions



All details in mm

Accessory

Power supply 12V / 500mA

CE-conformity

This assembly (board) is controlled by a microprocessor and uses high frequency (8MHz). To get the characteristics of the assembly in relation to the CE-conformity, an installation in a compact metal casing is necessary.

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.

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