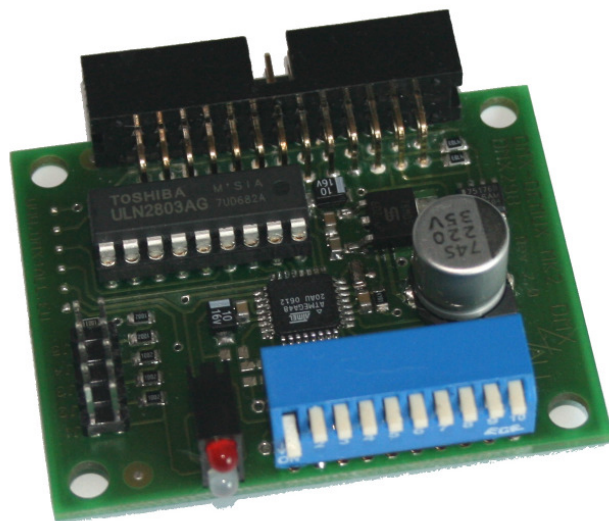


# DMX-0...10V Interface with 8 outputs

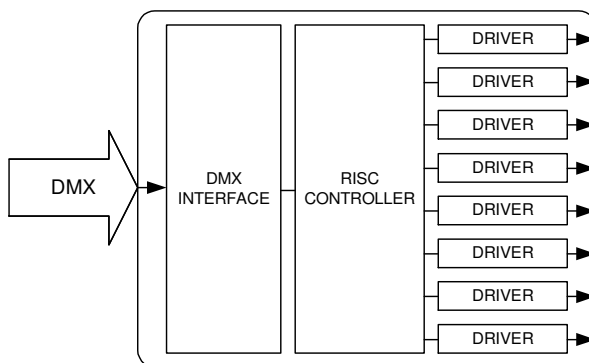
User manual



**DMX**  
**4**  
**ALL**  
[WWW.DMX4ALL.EU](http://WWW.DMX4ALL.EU)

## Description

The 0-10V interface DMX398 is optimal for equipment with analog inputs. Each of the 8 outputs is controlled by a DMX channel and is partitioned in 256 steps.



Each output has a driver for up to 5mA.

## Data Sheet

**Voltage supply:**

12V DC / 100mA

**DMX:**

8 DMX channels

Connection: Pin row

**Output:**

8 outputs with driver (5mA)

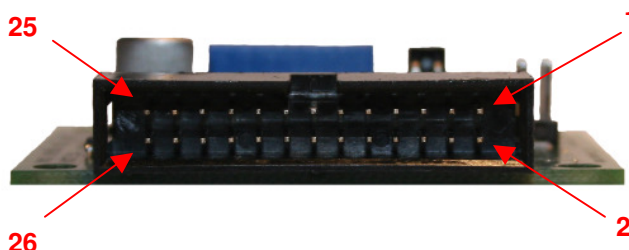
each 256 steps (DMX level 0-255 → output voltage 0-10V)

Connection: Pin row

**PCB-Dimensions:**

46mm x 58mm

## Connection of the DMX-0..10V interface



PIN	DESCRIPTION	PIN	DESCRIPTION
1	Output 1	2	GND*
3	Output 2	4	GND*
5	Output 3	6	GND*
7	Output 4	8	GND*
9	Output 5	10	GND*
11	Output 6	12	GND*
13	Output 7	14	GND*
15	Output 8	16	GND*
17	Power supply 12V	18	GND
19	Power supply 12V	20	GND
21	DMX+	22	DMX+
23	DMX-	24	DMX-
25	GND	26	GND

\* = from PCB Rev2.2 (04/2009)



Switch 10 invert the output signal

## Action on DMX fail

With a jumper the action on DMX fail is selected.

No jumper closed:

Jumper J1 closed:

Jumper J2 closed:

Outputs switched off

Outputs hold on last level

Outputs goes to 100% on

## LED-Display-Codes

The integrated DMX-LED is used as a multifunctional display.

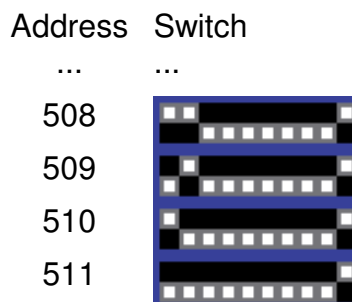
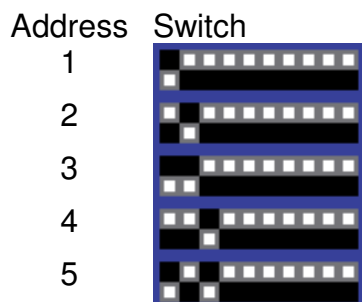
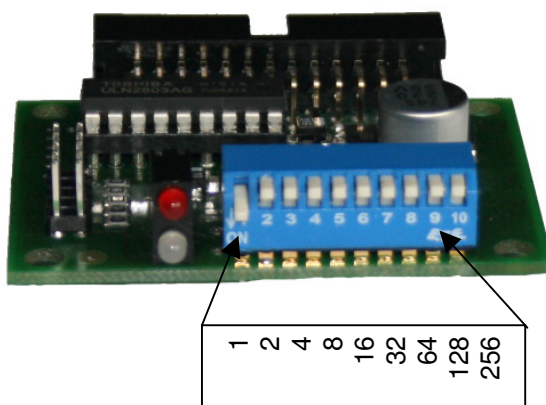
This LED lights nonstop in normal operation. If the LED does not light, there is no DMX512-input-signal.

Also the LED signalled the operation status. In this case the LED lights up in short pitches and then turns into off modus. The Number of flashing signals is equal to the Number of the error status.

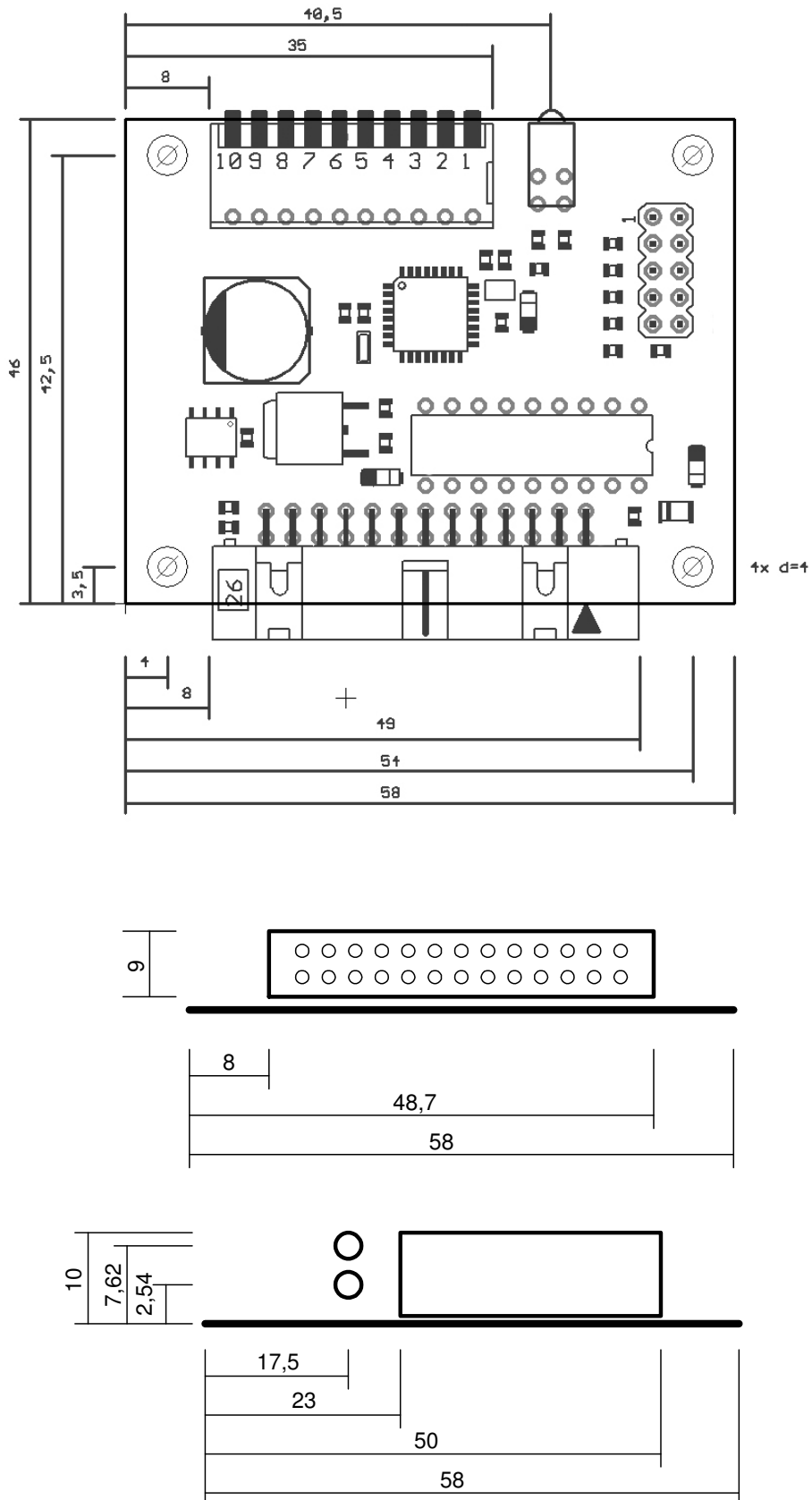
Error Status	Error	Description
2	Address error	Check if a valid DMX- starting address is adjusted at the DIP-switch.
3	DMX-signal error	An invalid DMX input signal is established, invert the signal line by changing switch 2 and 3. Or use a twisted pair wire.

## DMX starting address calibration

The starting address can be set by a DIP-Switch. Switch 1 has the valency  $2^0$  (=1), switch 2 has the valency  $2^1$  (=2) and so on... finally switch 9 has the valency  $2^8$  (=256). Each switch, which is moved to ON position, represents the starting address.



## Dimensions



All dimensions in mm

## Accessoires

### Housing

Dimensions: 72x50x28 mm



### Housing with mounting brackets

Dimensions: 72x50x27 mm  
(without mounting brackets)



## 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 be 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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