

# TWI Analog Extension

User Manual



**DMX** <sup>®</sup>  
**4**  
**ALL**

## Description

The TWI Analog Extension is an additional module available for DMX-Player L<sup>Mk2</sup> to regulate the brightness or speed via a potentiometer.

The jumper specifies whether brightness or speed is to be controlled.

Several additional modules can be connected to the TWI-Connection, so with one TWI Analog Connection the brightness can be controlled and with another TWI-Connection the speed is adjustable.

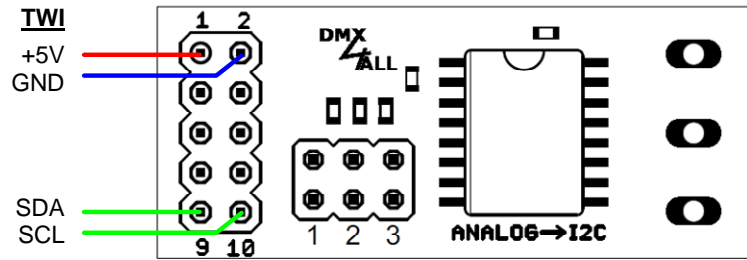
## Data Sheet

<b>Power supply:</b>	5V DC via TWI-Connection
<b>TWI-Connection:</b>	2x5pin pin strip RM2,54
<b>Potentiometer-Connection:</b>	3 pin screw terminal RM5
<b>Resolution:</b>	256 values
<b>Dimension:</b>	38mm x 16mm

## Delivery

- 1x TWI Analog Extension
- 1x Potentiometer 10kΩ with 6mm axis
- 1x Quick guide german and english

## Connection



PIN	FUNCTION	PIN	FUNCTION
1	+5V	2	GND
3	NC	4	NC
5	NC	6	NC
7	NC	8	NC
9	SDA	10	SCL

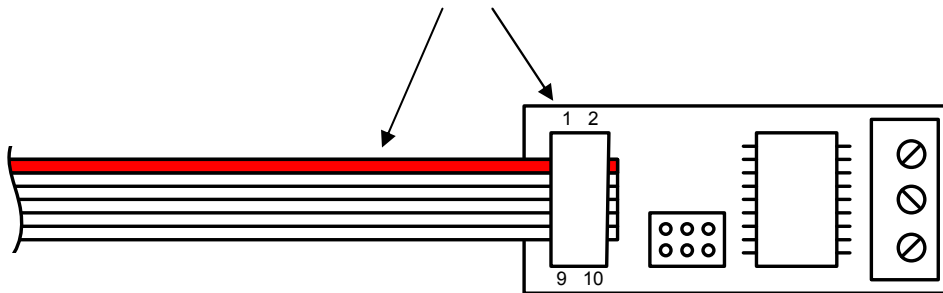
NC = Not Connected (not used)

## Connection with TWI-Extension-Cable

For an easy connection the “Cabel for TWI extension” is available as accessory.

Please make sure, that the cable is plugged in the correct orientation:

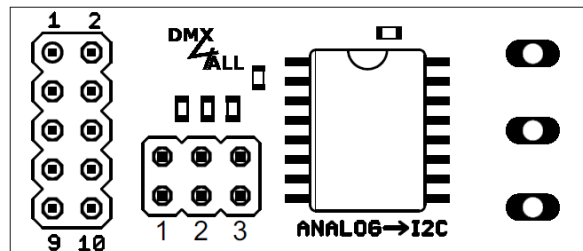
The red branding at the cable is on pin site 1 always



## Set Function

The TWI Analog Extension can be used together with the DMX-Player L<sup>MK2</sup> for set brightness or speed.

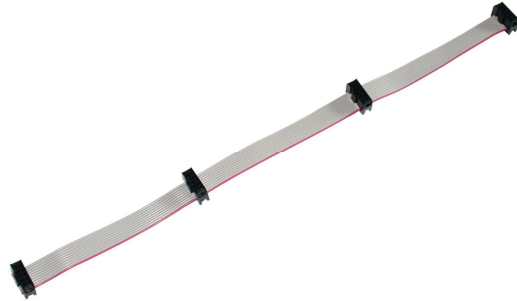
The function setting occurs via the jumper:



- 1 Brightness
- 2 Speed
- 3 reserved

## Accessory

Cable for TWI Extension 4fold



## CE-Conformity



This assembly 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.

## 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.

## 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.



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