

# PixxRangeExtender



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



For your own safety, please read this user manual and warnings carefully before installation.

## Description

The PixxRangeExtender is an optimal tool to bridge longer distances by using digital LED-Stripes.

Thereby the signal line turns into a difference sensitive difference level signal so that the signal transmission range is increased.

A transmitter and a receiver are needed. The PixxRangeExtender is a set consist both components.

By operating with DMX4ALL offered digital Stripes the installation is very simple: In this case plug only the PixxRangeExtender to the digital LED-Stripe.

## Data sheet

**Power supply:** 5V from digital LED-Stripe  
or external power supply

**Connection (Transmitter):** 3 pin JST-SM Male (Digital LED-Site)  
3 pin screw terminal (Difference Level Site)

**Connection (Receiver):** 3 pin JST-SM Female (Digital LED-Site)  
3 pin Screw terminal (Difference Level Site)

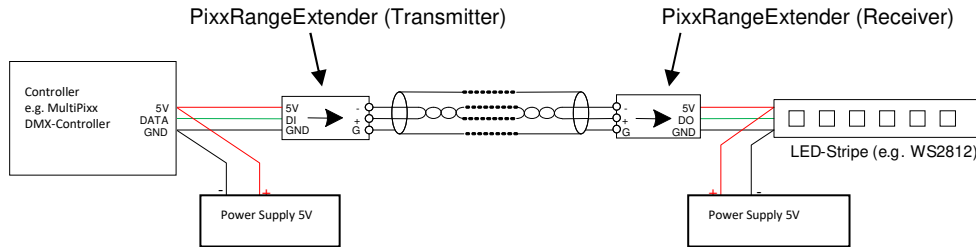
**Length:** ca. 10 cm

## Delivery

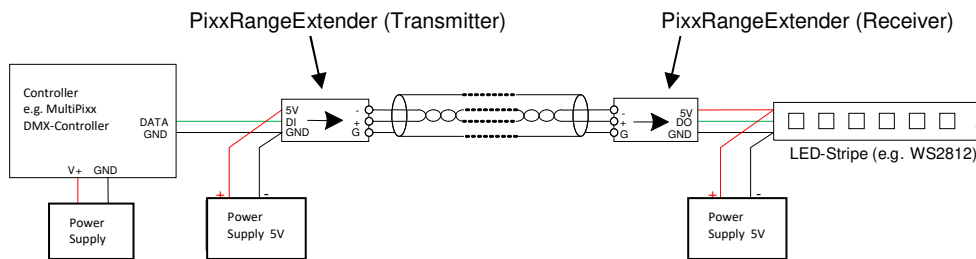
- 1x PixxRangeExtender (Transmitter) incl. screw terminal
- 1x PixxRangeExtender (Receiver) incl. screw terminal
- 1x User manual (german and english)

## Connection

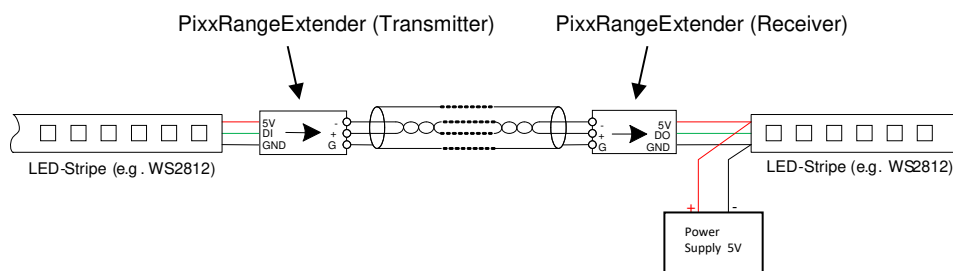
### Connection between Controller (5V) and digital LED-Stripe



### Connection between Controller (more than 5V) and digital LED-Stripe



### Connection between two digital LED-Stripes



Only digital LED-Stripes with **5V supply voltage** can be used.  
 Mixing different types is not allowed.

## Compatible digital LED-Stripes

The PixxRangeExtender is with digital LED-Stripes with only one data line compatible.

These are for example:

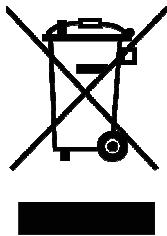
- APA-104
- SK6812
- WS2811
- WS2812(B)
- TM1804
- TM1812
- TM1829
- TLS3001
- TLS3008
- UCS1903
- UCS1904
- UCS1912
- UCS2903
- UCS2904
- UCS2912

## 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. Conformance 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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