Digital LED-Set

with SK6812 30Pixel/m

DMX4ALL ®

Description

With the Digital LED-Set SK6812 you can control easily each single LED from the whole LED-Stripe with a DMX-signal.

The contained digital LED-Stripe counts 2,5 meters and has in total 75 RGB-LEDs (pixel). The controlling occurs by the NanoPixx DMX-Controller which is preconfigured.
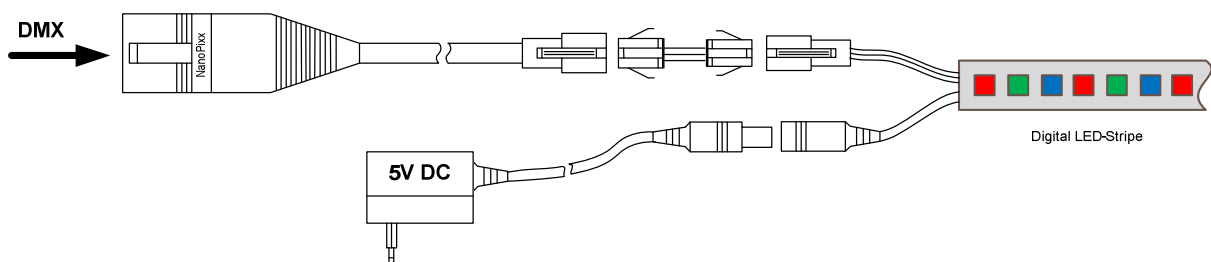
Delivery

- 2,5m   Digital LED-Stripe SK6812 30BL
- 1x   NanoPixx DMX-Controller (preconfigured, 3pol XLR)
- 1x   Power supply 5V / 20W (4A)
- 1x   User Manual LED-Set (German)

Connection

The connection occurs by connecting the single components.

- Connect the NanoPixx DMX-Controllers male along with the adapter to the angular male from the LED-Stripe.
- Connect the power supply to the round connection from the LED-Stripe.
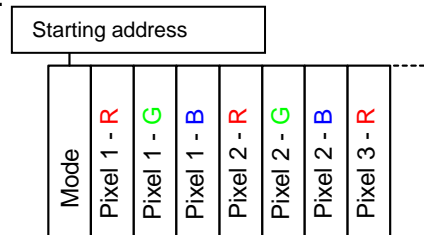

NanoPixx DMX-Control settings (preconfigured)

Output protocol: SL6812

Colour sequence: R-G-B

Pixel group: 1

MODE-Channel: activated

DMX-Starting address :   1

RGB-Pixel controlling

The **NanoPixx DMX-Controller** controlls each RGB-pixel with 3 DMX-channels. Respectively one DMX-channel for red, one for green and one for blue will be used.

An additional MODE-channel (DMX-channel 1) defines the length of the pixel section with the same colour (DMX-value 1-127) and calls up the demo programs (DMX-value 128-255).

The DMX-addresses are assigned as follows:

Channel	Function	Value	
1	Mode	0	Length of one pixel section = all pixel
		1-127	DMX-value = length of the pixel section
		128-255	See demo programms via DMX
2	Color	0-255	Pixel 1 red
3		0-255	Pixel 1 green
4		0-255	Pixel 1 blue
:::		:::	::: red/green/blue for each pixel

Demo programms

The predefined demo programms within the **NanoPixx DMX-Controller** will be called via the DMX-channel 1 (MODE-channel) from a DMX-value 128. The speed is adjustable via the DMX-channel 3.

Channel	Function	Value	
1	Mode	0-127	See pixel controlling via DMX
		128-135	8 color mix
		136-143	R-G-B
		144-151	RGB color star
		152-165	Single color star
		166-177	Wave 1
		178-189	Wave 2
		190-203	Snake
		204-217	Fan
		218-231	Running Point 1
		232-239	Running point 2
		240-246	Blink
		247-255	Rainbow
2	Colour	0-31	White
		32-63	Red
		64-95	Green
		96-127	Blue
		128-159	Yellow
		160-191	Pink
		192-223	Cyan
		224-255	(Off)
3	Speed	0-255	Fast → Slow

DMX4ALL

®

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