MagiarLED II Stripe

User Manual

Description

The **MagiarLED II Stripe** offers to a length of 25cm 12 individual controllable Pixel which can be controlled with the internal DMX-controller. The automatically addressing of the interconnected MagiarLED II Stripes provides an easy installation. There must be no adjustments.

Additionally it is possible to adjust a LED-group with the first DMX-channel. So 1,2,3, 4,6,12 or all LEDs can be controlled together. Therefore by ongoing installations the number of the needed DMX-channels will be reduced.

Connection diagram

DMX → | Stripe 1 | Stripe 2 | | Stripe 20 | Stripe 21 |
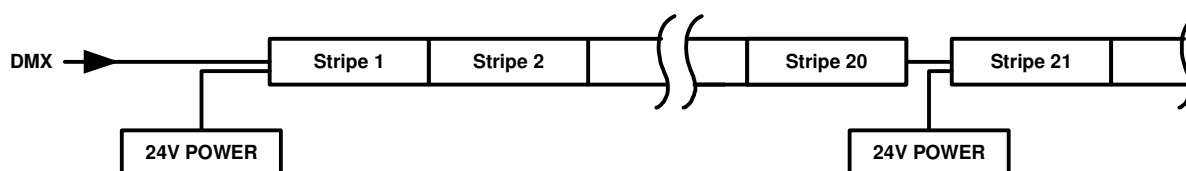
24V POWER

24V POWER

Technical Data

Number of the LEDs: 12 SEOUL RGB-LEDs
Emission angel: ca. 120°
Wave length (dominant):   623nm / 527nm / 460nm
Power supply: 12-24 V
Power input: 3,1W (24V / 0,13A)
Dimensions: 250mm x 12mm x 12mm
Connection: 6 pole pin contact strip / Socket terminal
DMX-Channels: 1 Mode channels (1. DMX channel)
                             3 up to 36 channels for color-setting
DMX-Addressing: automatically
Dimensions (L x B):   250mm x 12mm (without overhanging plug connection)

Connecting MagiarLED II Stripe

The **MagiarLED II Stripe Feed Element** will be plugged in the first **MagiarLED II Stripe** and supplies the connected Stripes with voltage and the DMX-Signal.
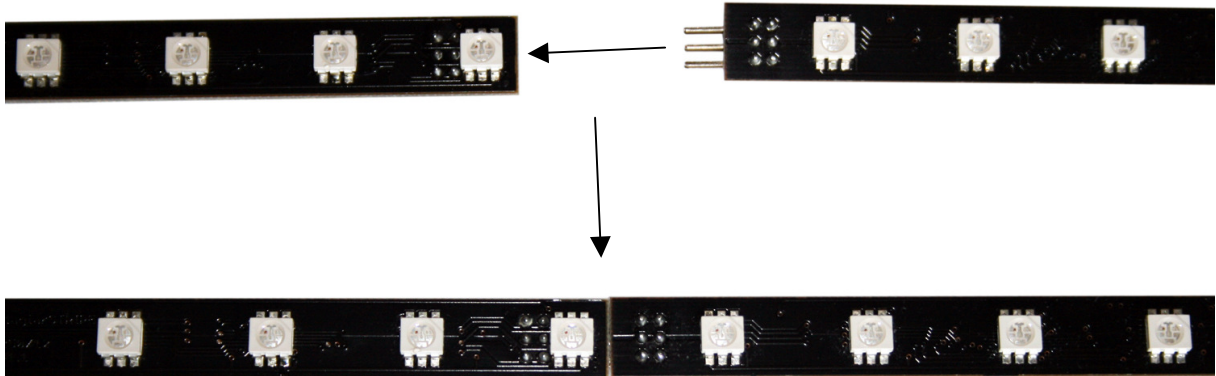
⚠ **Please check on plugging the right polarity!**

The plug side with the **black connecting cable** must be put to the MagiarLED II Stripe with the **GND** printed side (see the MagiarLED II Stripes back).
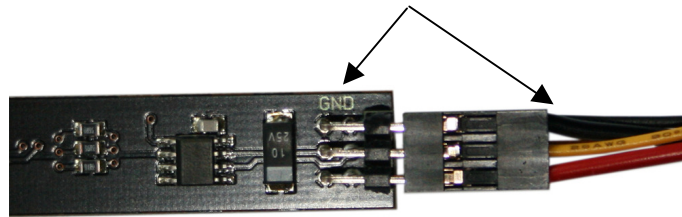
More **MagiarLED II Stripes** will be plugged together. Thus, up to 20 MagiarLED II Stripes can be run together without any other tension supply.

DMX-Addressing

The Pixel of the **MagiarLED II Stripe** will be addressed automatically. There is no configuration necessary.

The first **MagiarLED II Stripe** used automatically starting address 1. The Pixel of the connected Stripes will be addressed automatically at the whole length according to the MODE-settings of DMX-address 1.

DMX-Channel classification

All Pixel of the **MagiarLED II Stripe** are individual controllable. The first DMX-channel (Mode) specifies how long a Pixel section with the same color should exist. The following DMX-Addresses are meant for the color settings. Thereby one DMX-channel is available for red, green and blue.
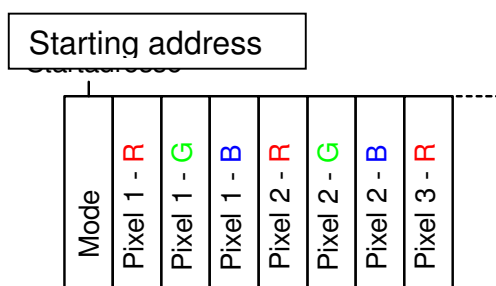

Channel	Function	Value	
1	Mode	0-15	Length Pixel section = 1
		16-31	Length Pixel section = 2
		32-47	Length Pixel section = 3
		48-63	Length Pixel section = 4
		64-79	Length Pixel section = 6
		80-95	Length Pixel section = 12
		96-239	Reserved
		240-255	All Pixel
2	Color	0-255	Pixel 1 Red
3		0-255	Pixel 1 Green
4		0-255	Pixel 1 Blue
:::		:::	::: Red/Green/Blue for each Pixel

Dimensions

21mm

12mm

250mm

1,6mm   4,3mm

9,3mm

2,1mm
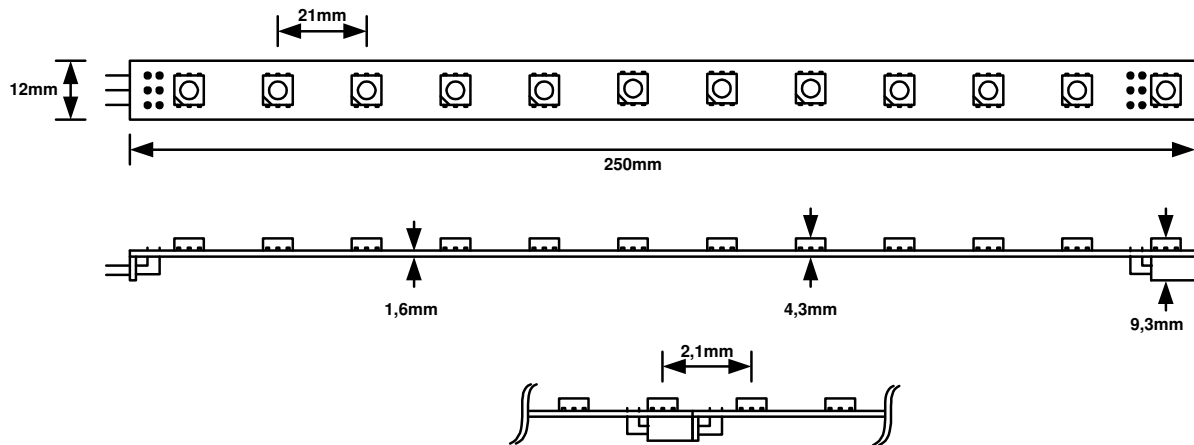
Pin Configuration

View on input:

GND —→ +24V

GND —→ +24V

DMX+

DMX-
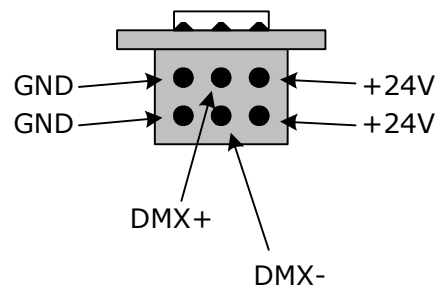
Equipment

MagiarLED II Stripe Feed Element
Art.-Nr.: 98-0001

Power adaptor for MagiarLED II Stripe
Output voltage: 24V
Output current: 2,5A
Art.-Nr.: 50-0136

CE-conformity

This assembly (board) is controlled by a microprocessor and uses high frequency. 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.

DMX4ALL

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