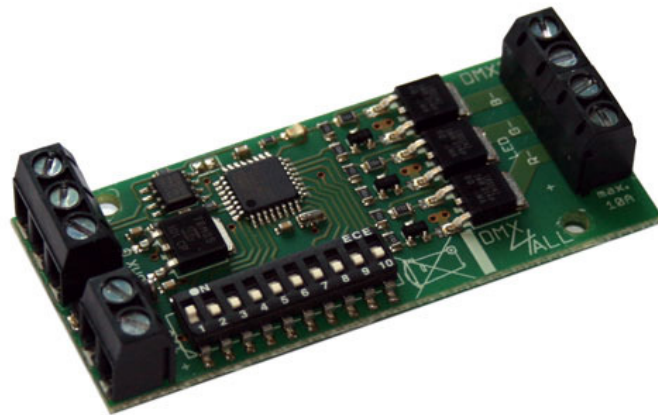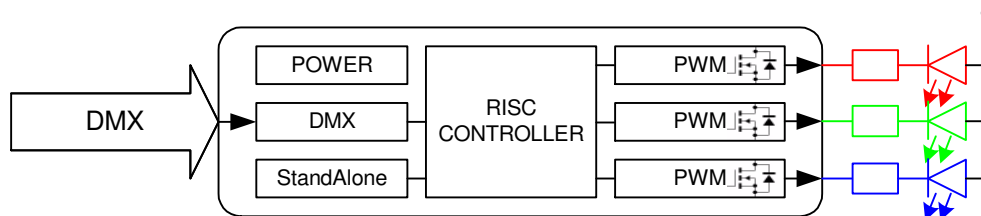# DMX-LED-DIMMER

MaxiRGB

User Manual

DMX4ALL ®

Description

The **DMX-LED-Dimmer MaxiRGB** is especially designed for controlling the RGB LED-Stripes with 12V or 24V. It has 3 PWM-Outputs independently controllable with DMX. Alternatively internal gradients can be called without any external controlling.

Technical Data

Power supply:
12-24V= / 50mA no load
DMX-IN:
3 channels
Outputs:
3 PWM-signals in 256 steps
PWM-Frequency: ca. 240Hz
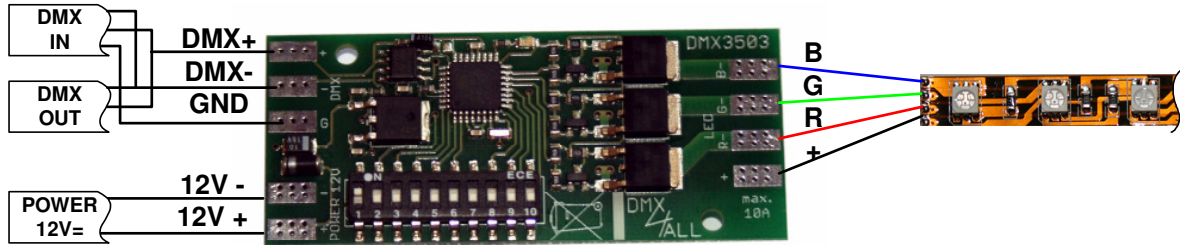max. 10A, common power supply
StandAlone-Funktion:
9 internal StandAlone-programs
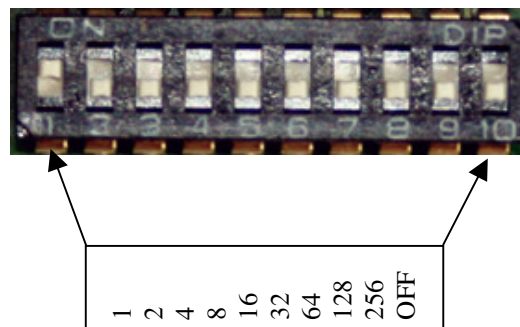**Board dimensions:**
50 x 30mm

Connection

Addressing

The DMX-Starting address is adjustable with the switches 1 to 9.

Switch 1 has the valency 2^0 (=1), switch 2 the valency 2^1 (=2) and so on … finally switch 9 has the valency 2^8 (=256). The sum of the switches which are moved to ON position represents the starting address.

Switch 10 is reserved for the StandAlone-function and has to show OFF in the DMX operation mode.

LED-Display

The integrated LED is a multifunctional display.
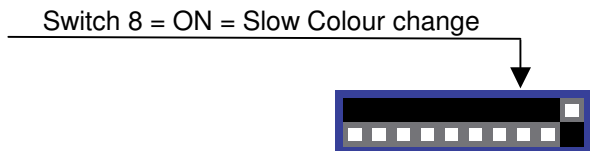This LED lights in normal operation nonstop. In this case the device is working.

The LED signalled the operation status also. 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:

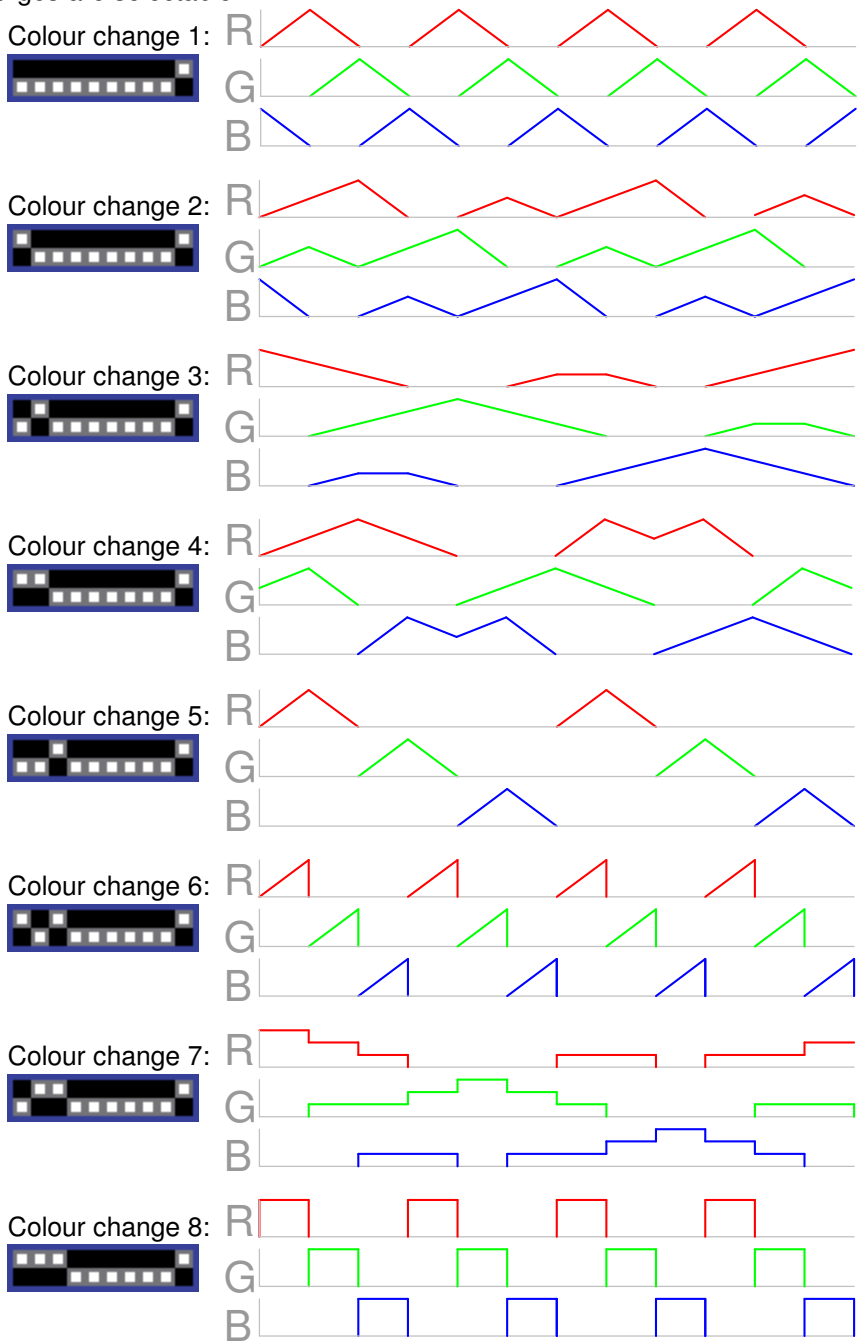| Error Status	Error	Description
1	No DMX	There is no DMX-Signal at the Dimmer
2	Address error	Check, if a valid starting address is adjustable with the switches 1 to 9.
3	DMX-signal error	An invalid DMX-Input signal is detected. Swap the signal lines by changing switch 2 and 3 or use a twisted pair wire.

Calling the internal colour changes

To access the internal colour change, please switch counter 10 on On.
For slow colour changes the DMX-LED-Dimmer S allocates a SLOW-mode. This will be activated, by switching counter 8 on ON.
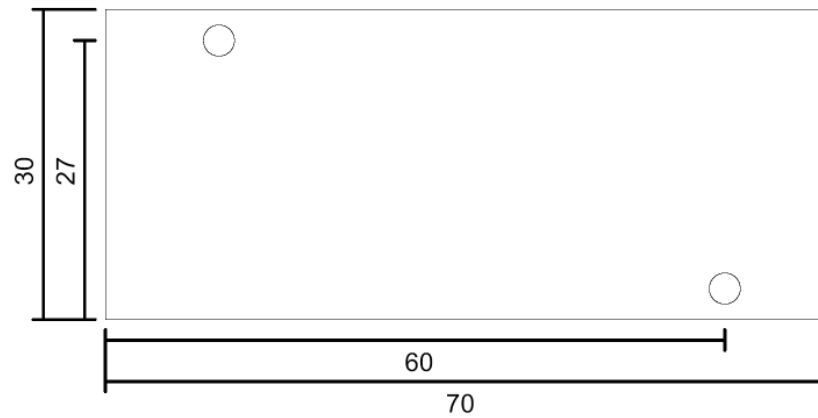
The DMX-LED-Dimmer MaxiRGB Wireless has for slow colour changes a SLOW-Mode. This will be activated by switching the counter 8 on ON.

Switch 8 = ON = Slow Colour change

Now, you can select the colour changing programs with the switches 1, 2 and 3. The following colour changes are selectable:

Colour change 1:

R G B

Colour change 2:

R G B

Colour change 3:

R G B

Colour change 4:

R G B

Colour change 5:

R G B

Colour change 6:

R G B

Colour change 7:

R G B

Colour change 8:

R G B

Dimensions

all details in mm

Equipment

RGB LED-Stripe 5m

Power supply 12V

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 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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