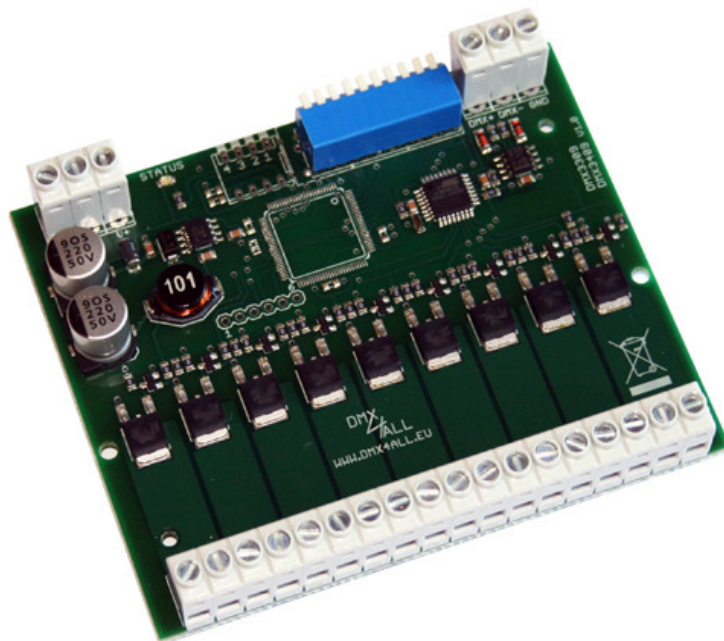


DMX-LED-DIMMER X9

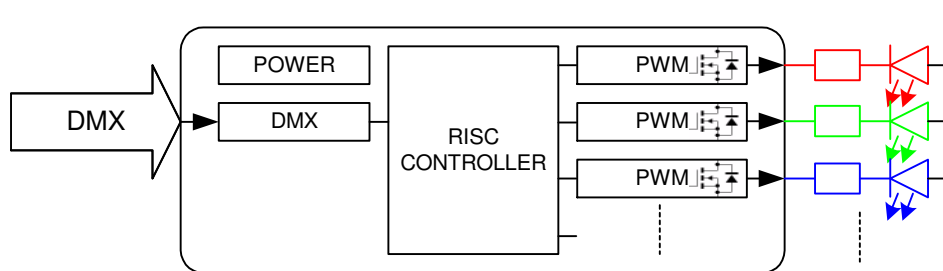
9x PWM each 10A

User Manual



Specification

The **DMX-LED-Dimmer X9** is especially specified for controlling the RGB LED-Stripes. It comes with 9 PWM-outputs which are autonomous controllable with DMX. Alternatively internal colour courses can be called without external control.



Energy Saving Design:

By modern switch-power-supply-technology it will be generated less warmth considerably and therefore the energy consumption is lowered.

Data Sheet

Power supply:

7-24V DC / 100mA (without connected units)

DMX-IN:

9 channels

Output:

9 PWM-signals in 256 steps

max. 10A per output, common voltage supply

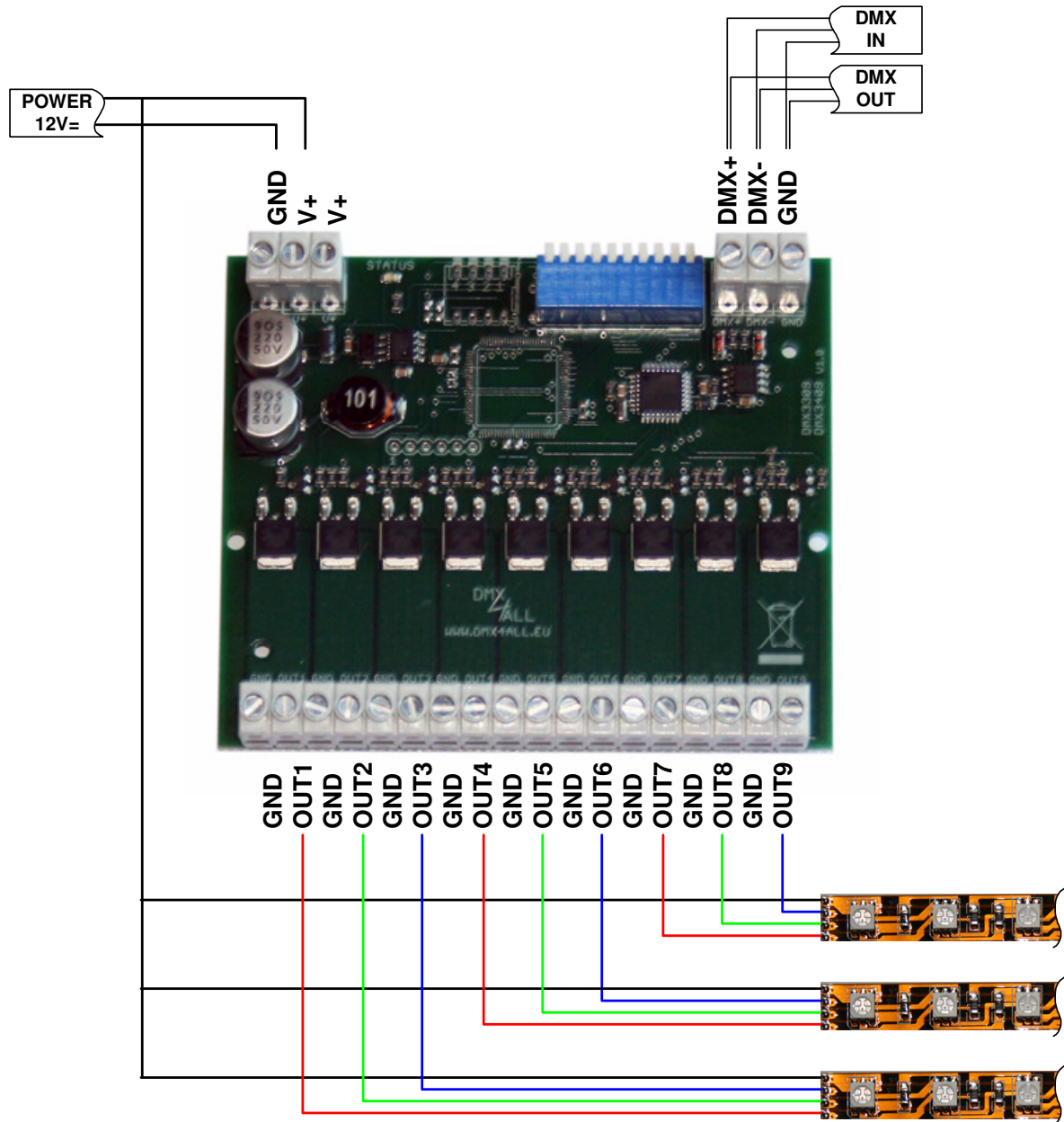
StandAlone-Function:

9 intern StandAlone-Programs

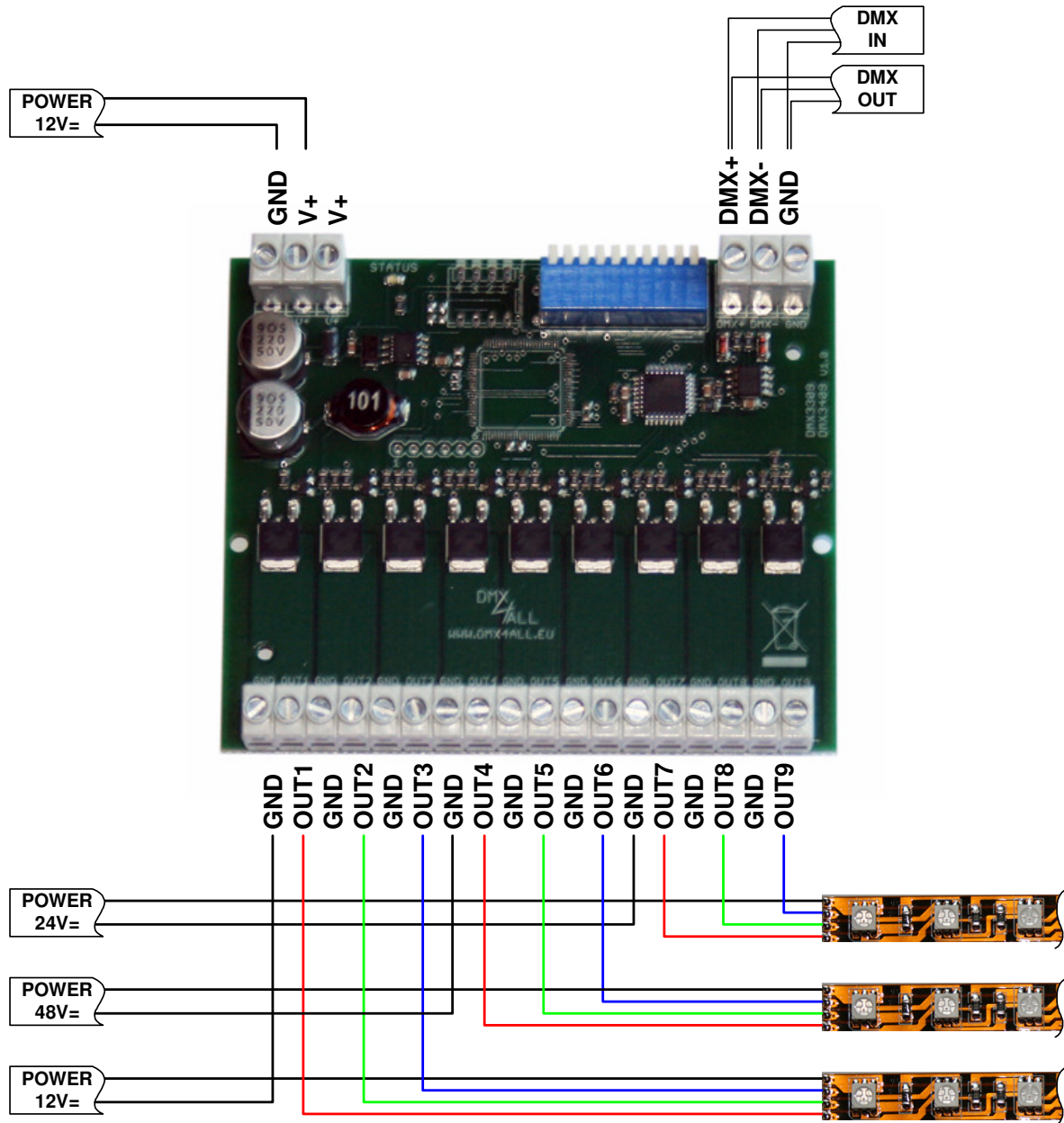
Board Dimensions:

99 x 82mm

Connection with one power supply



Connection with several power supplies

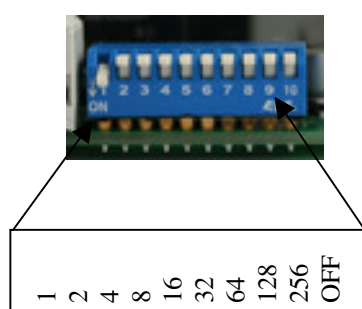


DMX-Adressing

The DMX-start-address is adjustable about the counters 1 until 9.

Thereby switch 1 has the valency 2^0 (=1), switch 2 the valency 2^1 (=2) and so on until switch 9 has the valency 2^8 (=256). The sum of the counters standing on ON corresponds to the start address.

Counter 10 is exclusive for the StandAlone-function and have to show the DMX-mode OFF.



LED-Display-Codes

The integrated LED is a Multi-functional-display.

In the normal DMX-mode the LED lights up nonstop. In this case the device is working. Is the LED permanently dark, there is no DMX512-signal at the entrance.

Also the LED signalled the operation status. In this case the LED lights up in short pitches and then 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 coming into the dimmer
2	Address error	Check if a valid DMX starting address is adjusted at the DIP-switch.
3	DMX-signal-error	An invalid DMX input signal is detected, invert the signal line by changing switch 2 and 3 or use a twisted pair wire.

Select the internal colour change

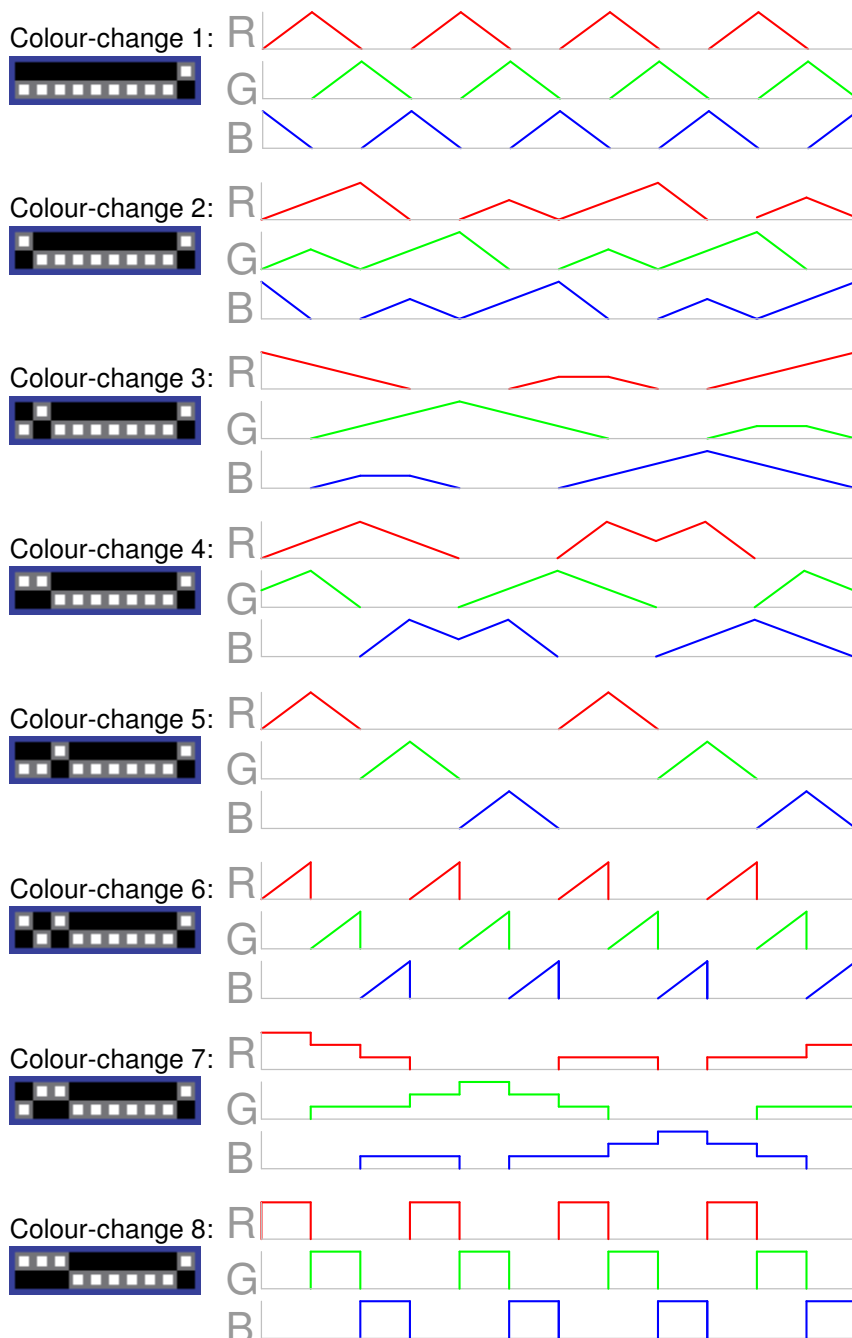
You can select the internal colour change by switching counter 10 on ON.

The DMX LED dimmer S makes available a SLOW-mode for slow colour changes. This is activated, by switching counter 8 on ON.

Counter 8 = ON = Slow colour-change



Now you can select the colour change programs about the counters 1, 2 and 3. The following colour changes are selectable:



Equipment

Housing for DIN-Rail-Mounting

Rail housing 1050 vented
Art.-Nr.: 50-0062



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 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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