

## Project

### „M102 USB-controllable DC-lightsource / Redesign of the M101 system“. (2005)

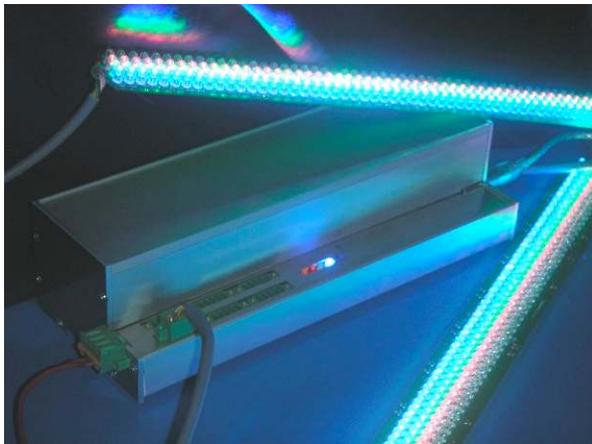
#### Principal:

My-Tronic GmbH, Morbach [www.my-tronic.com](http://www.my-tronic.com), [www.my-led.com](http://www.my-led.com)  
[www.elektronik-consulting.de](http://www.elektronik-consulting.de) .

#### Description:

Abutted at the system „M101 USB controllable DC-lightsource“  
there was realised substantial improvements and reinforcements at the controller.

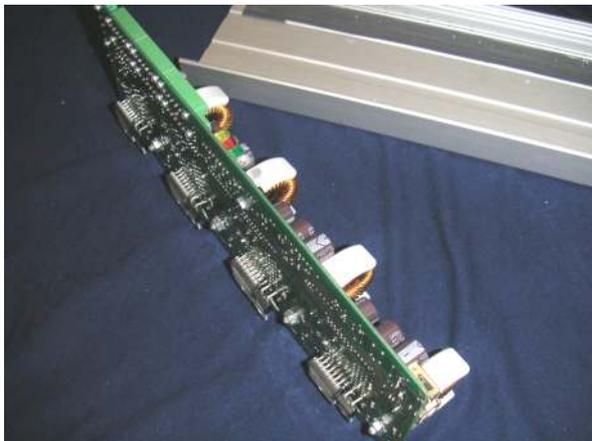
- increasing the output current from 4 x 2A up to 4 x 5A, (4 x 10A with fan) ,  
capable for light stripes populated with up to 10.000 LEDs
- adaptation to the 24V system voltage in many production lines,  
input voltage 23V - 28VDC / 1000W, output voltage 4 x 9V – 21V / 5(10)A
- optional: adaptation to 48V tension of supply,  
input voltage 48V - 52V / 550W, output voltage 4 x 18V - 42V / 3A
- for higher power and more than 4 cannels respectively, there is designed to be a master-slave solution,  
in wich 2 controllers are connected via a separate data bus for providing up to 8 DC-outputs
- in addition to USB 1.1, the DC-outputs optional can be controlled via a RS485 interface (eg. for using  
the DMX protocol)



demonstration of the controller



test environment with PC, power supply and dummy load



PCB of the controller



partial interior view