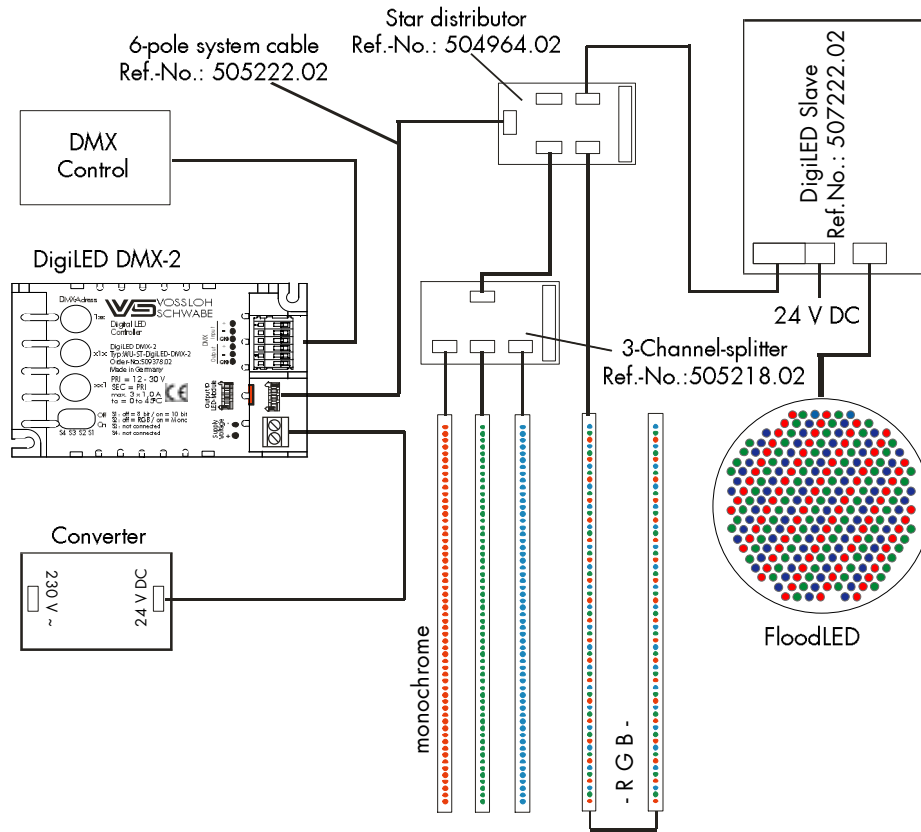


Systemscheme:



The packing of several cable lengths is possible upon request.
The cable is also available as a shielded wire!



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Operating Instruction DigiLED DMX-2

1 Introduction

1.1 Product Description

The system control device DigiLED DMX-2 has been designed for the individual colour and brightness control of LED modules.

1.2 Scope of Delivery

Please check the delivery for completeness and transport damage when you unpack the device. You should have received the following items:

- 1 WU-ST-DigiLED DMX-2
- 1 Short Instructions

1.3 Safety Instructions

Please ensure a good electrical connection of all cables and plugs and the compliance with the ESD regulations!

- + this product serves exclusively for the operation of the LEDLine, FloodLED and MarkerLED module family
- + the DigiLED DMX-2 may only be used indoors
- + install all components in de-energized state only
- + only qualified personnel may open the casing
- + immediately contact your distributor in case of damage or failure
- + pay particular attention to the maximum demand of supply and select the respective connection cables, if appropriate;
- + ensure the correct polarity when you connect the supply voltage

2 Functional Description

2.1 Functions

The DigiLED DMX-2 has been designed for the control of lighting elements of the series LEDLine, FloodLED and MarkerLED. These can be equipped with COB (Chip on Board), SMD or wired LEDs.

The following functions can be set at the DigiLED DMX-2:

- + Independent brightness control of all colours
- + Adjusting the DMX-Address
- + Bus conclusion optional switchable
- + Choose between RGB and Mono operation through the DIP-Switch

3 Connections, Settings and Assembly

3.1 Description of the Connections

Figure 1 shows the connection scheme of the DigiLED DMX-2. The connections of the module are one 2-pole terminal screw (C) for the supply voltage, a 6-pole plug-in terminal for the DMX input and output (A) as well as one system plug (B) as output to the LED modules. The number of controllable modules depends on the power consumption of the lighting modules where a total of max. 1.0 A must not be exceeded per channel. Further DMX devices (max. 32 DMX devices) can be connected in cascade by using an active output (DMX output).

3.2 Settings

Every address between 001 and 510 for RGB and 001 and 512 for Mono can be set as the basic setting. This set address then becomes the start address which will be activated at every start. When setting a start address please observe that the two subsequent addresses will always be occupied as well (example: start address is 111, then 112 and 113 are also occupied). The addresses are set using the decimal switches (1) to (3). The hundreds are set at the decimal switch (1), the decimal place at (2) and the right hand position of the address at (3). If "000" is set as the address, the basic setting of the manufacturer is active which generates an orange shade in RGB modules. If an address higher than 512 is set, the basic setting of the manufacturer will automatically be activated. In case of the DIP switch (4), only the switches S1 and S2 are occupied. The switch S1 enables a finer adjustment of the dimming behaviour which corresponds to a logarithmic triggering behaviour. You can toggle between the triggering in the RGB or monochrome operation using switch S2. In monochrome operation, only the set address will be assessed for all 3 channels.

3.3 DMX BUS Connection

The transmission line must be terminated with a resistor at the last receiver of the DMX512 transmission track. This resistor is already integrated and can be switched on and off by using a slide switch (D) at the device. The switch is set to "on" in Figure 1.

3.4 Assembly

The DigiLED-DMX-2 can be mounted on a firm base using 4 mm bolts in the two recesses which are diagonally located.

3.5 Malfunctions

When problems or malfunctions occur during the operation of the device, please check if all wires and plugs are connected as described in chapter 2. If you are unable to find any obvious defects, please contact your distributor. Do not attempt to repair the device yourself, under any circumstance.

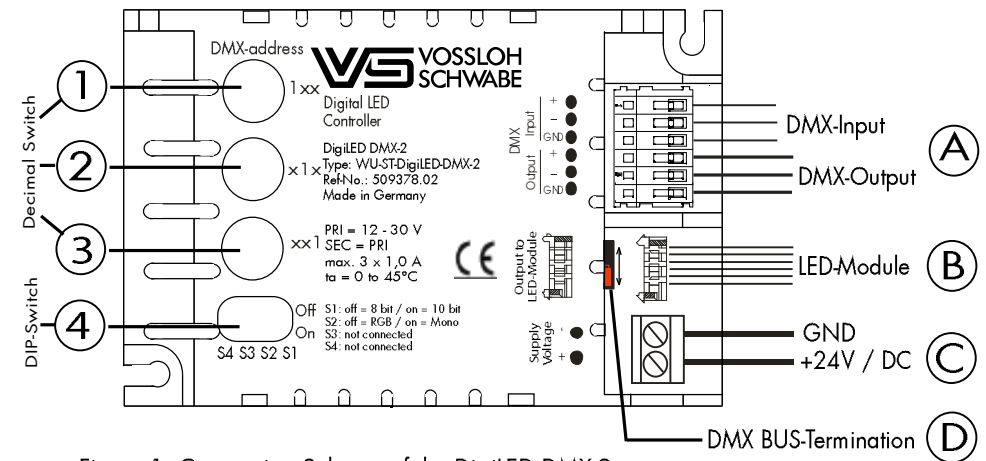


Figure 1: Connection Scheme of the DigiLED DMX-2

4 Technical Data

Operating Voltage	12 to 30 V DC
Current consumption	3,1A max.
Fuse protection	T 3,15 A; internally
Inputs	2-pole terminal for supply voltage 6-pole plug-in terminal for DMX control (input and output)
Outputs	1 system plug for 3 controllable PWM ¹ outputs (voltage same as output voltage of power supply connected in series)
Output current	3 x 1.0 A max.
Ambient temperature	0 °C to +45 °C
Humidity	0 to 95% (not condensing)
Casing	Plastics, PC white
Dimension (LxWxH) in mm	95 x 60 x 30
Weight	67 gr.

PWM¹ = pulse-width-modulation

5 EMC & CE

The DigiLED Manuell complies with the lighting standards regarding electromagnetic compatibility (EMC) and is certified according to CE.