

DPB Pixel-Router Pro

Product Sheet



Overview

FEATURES

- **Generation 3 compatible**
- **Dynamic-Pixel-Bus Mode for multi-channel systems**
- **Compatible to all older products from Schnick-Schnack-Systems with DMX or S3-DMX**
- **Integrated Art-Net interface with Art-Net merger of two sources (HTP)**
- **built-in DMX/DPB splitter and router**
- **High performance Art-Net Nodes (255 Unvierses)**
- **Software update with SD card or via network**
- **Integrated Webinterface for remote diagnosis/installation**
- **Generateable log files**
- **All settings available via the Web Server**
- **Stand-alone programs to test at start-up**
- **Quick-Patch function**
- **Manual color setting**
- **Integrated Combine-Mode to reduce channel number**
- **Modes to test the Ethernet network and the switch**
- **Fanless**
- **Compatible with sACN, Art-Net™ and Schnicknet**
- **Made in Germany**

The DPB Pixel-Router Pro provides Schnick-Schnack-Systems' series L, T, B, D, C and M products with power and data.

The DPB Pixel-Router Pro has four LED outputs and can be controlled by Ethernet (Art-Net, sACN) or DMX512 and is therefore compatible with most lighting consoles and media servers. The control signal can be freely patched across the four outputs. It is also possible to use the DPB Pixel-Router Pro as a standalone unit, without a DMX or Art-Net control signal. Due to the fanless operation, the use even in noise-sensitive installations is unproblematic.

The addressing of the components takes place directly on the power supply via Smart Link. Because no addressing is required on individual LED boards, the installation and maintenance of LED systems is significantly simplified.

The DPB Pixel-Router Pro belongs to Generation 3 and in addition to DMX can also read the Dynamic-Pixel-Bus protocol (DPB) in order to control LED components. By using the DPB more LED tiles or other elements per output of a DPB Pixel-Router Pro are possible – up to 3.072 channels. Switching between DPB and DMX is possible at all times.

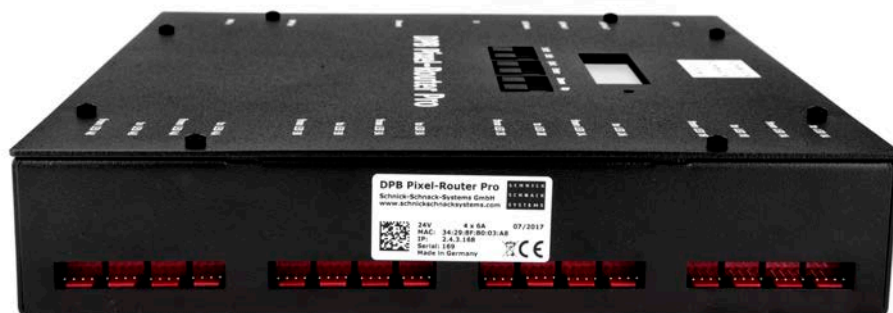
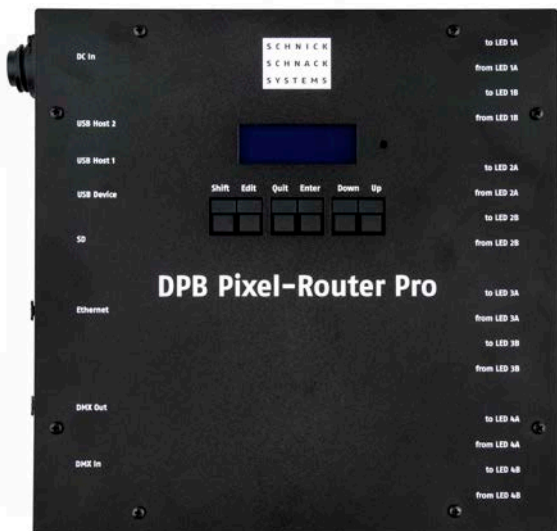
The Generation 3 LED components firmware can be updated from a central point via the network with the DPB Pixel-Router Pro.

Thanks to integrated HTML 5.0 interface, the Router can be completely controlled remotely.

Mechanical data

Features

Dimensions	250 × 50 × 250mm (W × H × D)
Weight	1,3kg



Electrical Data

Features	DPB Router Pro
Operating voltage	110-240V
Input voltage	100-240 V AC, 47-63 Hz, 700 VA
Power (I_{max})	4 × 2 × 3A
Power switch	90A

Technical data

Features	DPB Router Pro
Connectivity	DMX in- and output: 2 × Neutrik XLR 5-pin Ethernet input: 1 × Neutrik Ethercon LED output 1-4: System connector red SD card slot: 1 × software updates Power connection: 600W, 2 × 24V
Data input	Art-Net (DMX over Ethernet) / DMX 512 A, galvanically isolated, SchnickNet, SACN
LED output	System connector red, maximum 2 × 3A
Number of channels	4 × 512 channels at DMX 4 × 3058 channels at DPB
Number of processable universes in Art-Net	at least 100 Broadcast
Maximum heat emission per device	100W
Admissible ambient temperature	0-40°C

The exact number of the to be controlled LED products, cabling- and calculating examples can be found in the data sheets for each LED components.

Order numbers

	Operating voltage	Power (I_{max})	Channels	Input	Output	Item number
DPB Pixel-Router Pro	110-240V AC	4 × 6A	4 × 3072 channels (DPB) 4 × 512 channels (DMX)	Ethercon RJ 45 XLR-5pol IN/Through	System connector red, maximum 2 × 3A	203.0023

ESD warning

Please be aware that electrostatic discharges can destroy LED boards, and our experience shows that this does happen. During assembly, we recommend wearing at least one antistatic wrist strap and avoiding static discharges – such as those that arise when removing protective film or dry cleaning acrylic glass, for example – near LEDs! Antistatic materials should be used when packaging the LED boards. Normal bubble wrap or other plastic bags are not suitable.

For reasons of safety and radio shielding, please only use systems we have approved to provide a power supply for our LED components. All technical information is based on the version at the time of printing.

We reserve the right to make technical specifications in terms of a product improvement without prior notice. Printing – even excerpts – requires the written consent of Schnick-Schnack-Systems GmbH.

Product Sheet Release Notes

Why Schnick Schnack Systems?

As installation times become increasingly shorter the complexity of systems simultaneously increases as do the requirements of customers.

We are a supplier who delivers high-quality reliable systems – under tight deadline constraints that are not only quick to install but also simple to operate and service.

Schnick-Schnack-Systems GmbH

Mathias-Brüggen-Straße 79
50829 Cologne (Germany)

Phone +49 (0) 221/99 2019-0
Fax +49 (0) 221/16 85 09-73

info@schnickschnacksystems.com
www.schnickschnacksystems.com

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Version March 2018: All technical data and the weight and dimension information were carefully created – errors reserved. Any colour deviations are printing-related.

We reserve the right to make changes that serve further improvement.