



TECHNICAL SUMMARY

XLED-PS-6 / XLED-PS-6-C

X-LED Power Supply

XLED-PS-6 / XED-PS-6-C



STELLA (X-LED version)



The MADRIX STELLA is a dedicated control interface for DMX512 and Art-Net or Streaming ACN that is designed for high quality and practicability in permanent LED installations.

Art-Net / Streaming ACN / USB:

Art-Net or Streaming ACN data is directly converted to DMX512. Optimize and decentralize cabling to cover any distance to the device using Ethernet network. In addition, simply connect to MADRIX 5 over USB.

2 DMX-IN/OUT:

Directly connect DMX512 to the two 3-pin screw terminals to distribute 2 DMX universes per unit as input and/or output, eliminating the need for XLR connectors as a result. Simply use several units at the same time for larger projects.

Easy Configuration:

MADRIX STELLA offers powerful features.

Managing the device is still quick and easy. Supply power over USB or 5 V to 24 V over a 2-pin screw terminal.

Sync Mode:

MADRIX 5 and MADRIX hardware allow you to fully synchronize Art-Net data for all output ports and across multiple devices to get an optimal image on the LEDs without visual interruptions.

3rd-Party Controllers:

MADRIX STELLA complies with official protocol specifications and can be used as a regular node with your other consoles, controllers, or software solutions.

Daisy-Chain Support:

2 Ethernet ports allow for separate network connections as well as linearly daisy-chaining several devices together.

Designed For DIN Rails Or Walls:

Its non-conductive enclosure and standardized design for 35 mm top-hat rails make mounting quick, easy, and safe.

2 extra brackets are provided for optional wall mounting. 9 indicators quickly show the device status with the option to turn them off.

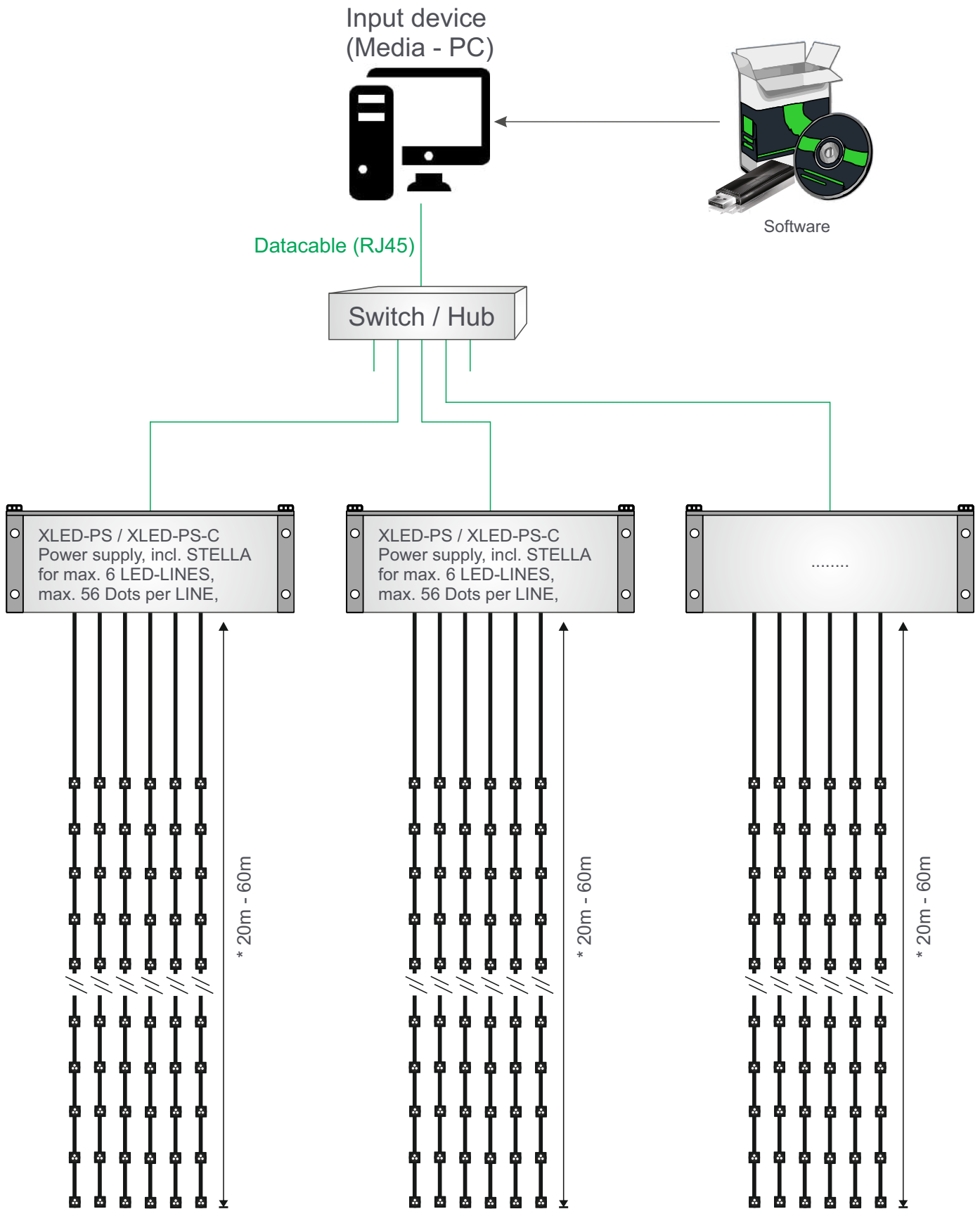
Special Notes:

The device is ready within seconds after startup. HTP merging is automatically available for two Ethernet sources.

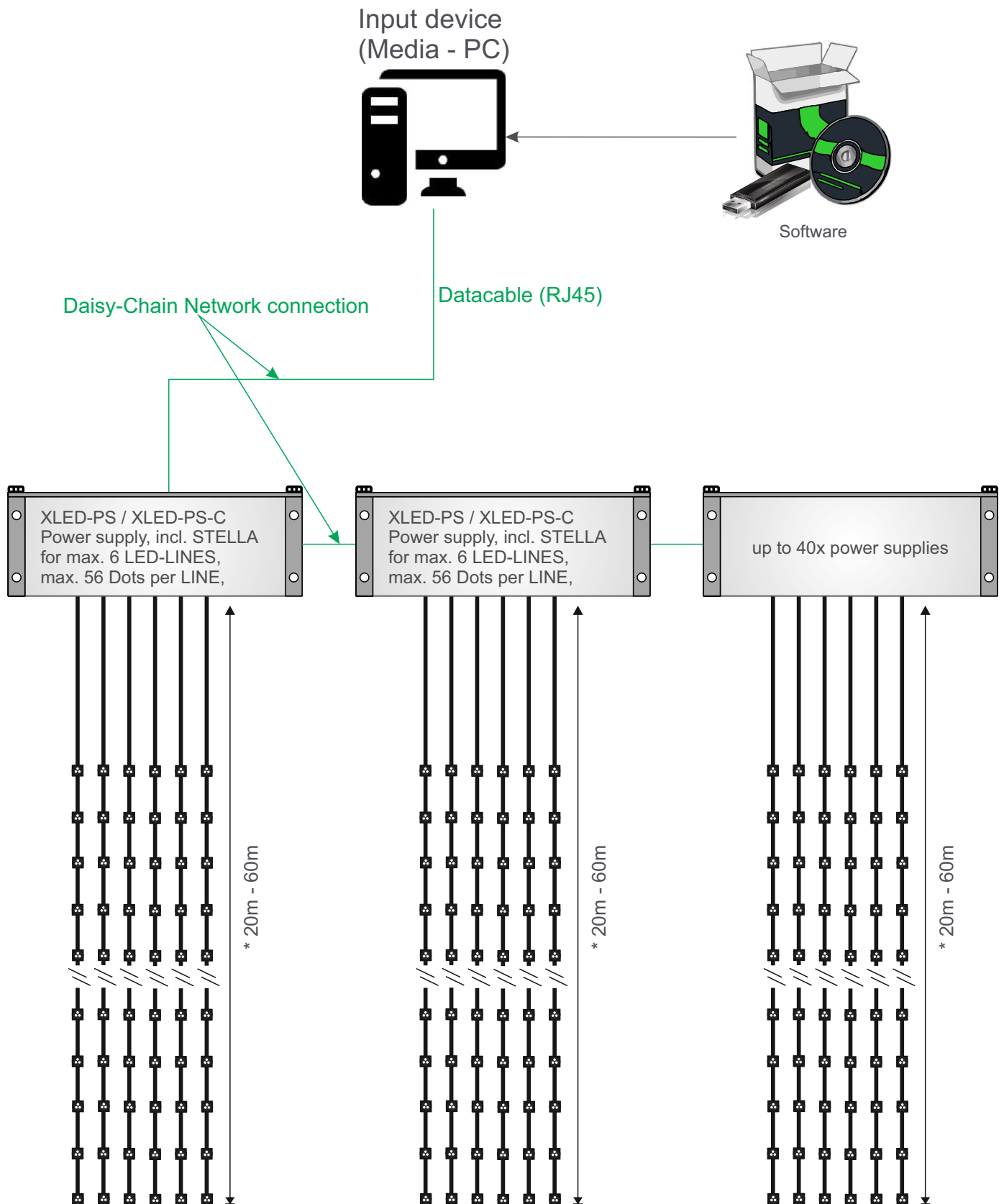
Firmware is upgradable. Access and change the specific device settings using the built-in web configuration page.

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* LED Line configuration, please see X-LED LINE - Technical summary.



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Stand-alone playback unit



Stand-Alone Playback:

Independently run the most sophisticated light shows from this energy-efficient playback unit via Art-Net or Streaming ACN. Easily control up to **8** or **32 universes** per device.

Live Recording:

Record any Art-Net or Streaming ACN network stream onto the inserted memory card. Unlike any other solution, recording a beautiful light show with MADRIX 5 is as easy as pressing record and play.

Central Hub:

Simply connect compatible MADRIX hardware interfaces or third-party nodes to provide the correct output for your lighting fixtures.

Time-Controlled Shows:

Run scenes automatically with the help of the internal clock as well as the available sunrise and sunset timers.

Master-Slave Synchronization & Scalability:

Manage large projects simply by connecting several units. The entire group is automatically synchronized across all DMX universes for flawless and uninterrupted playback.

Web Configuration:

Use the built-in web configuration page to access and change specific device settings, such as the important IP address, subnet mask, playlist settings, and much more.

Live Control:

Encased in a non-conductive design for DIN rails or wall mounting, 8 on-device buttons allow for quick playback and recording control. You can also directly adjust the overall speed and intensity.

Remote Control:

Trigger MADRIX AURA via HTTP commands and the built-in web server or use Art-Net/sACN. You can even add MADRIX ORION for interactive installations.

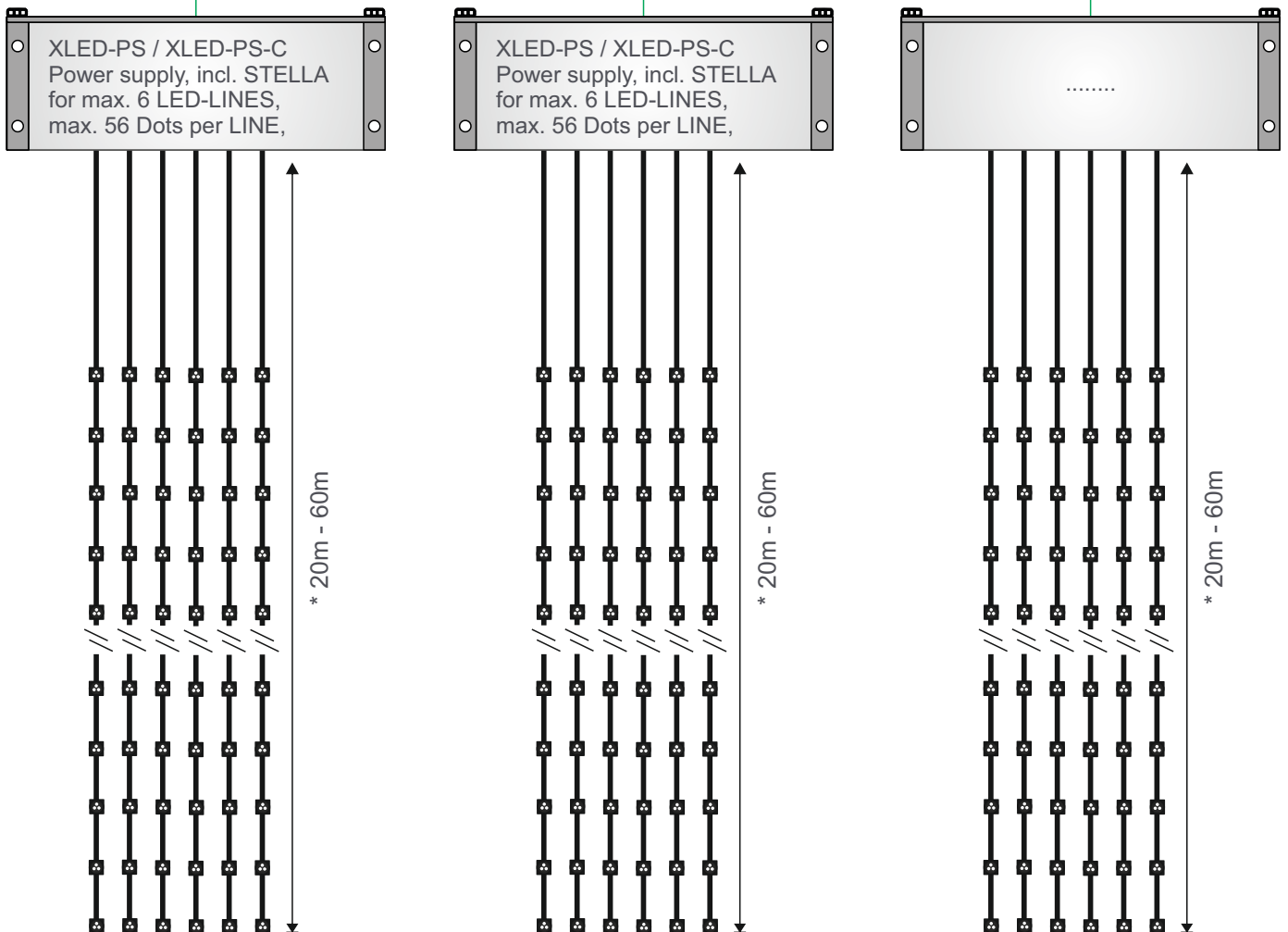
Stand-alone



Datacable (RJ45)



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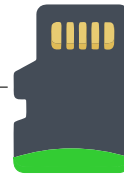


* LED Line configuration, please see X-LED LINE - Technical summary.

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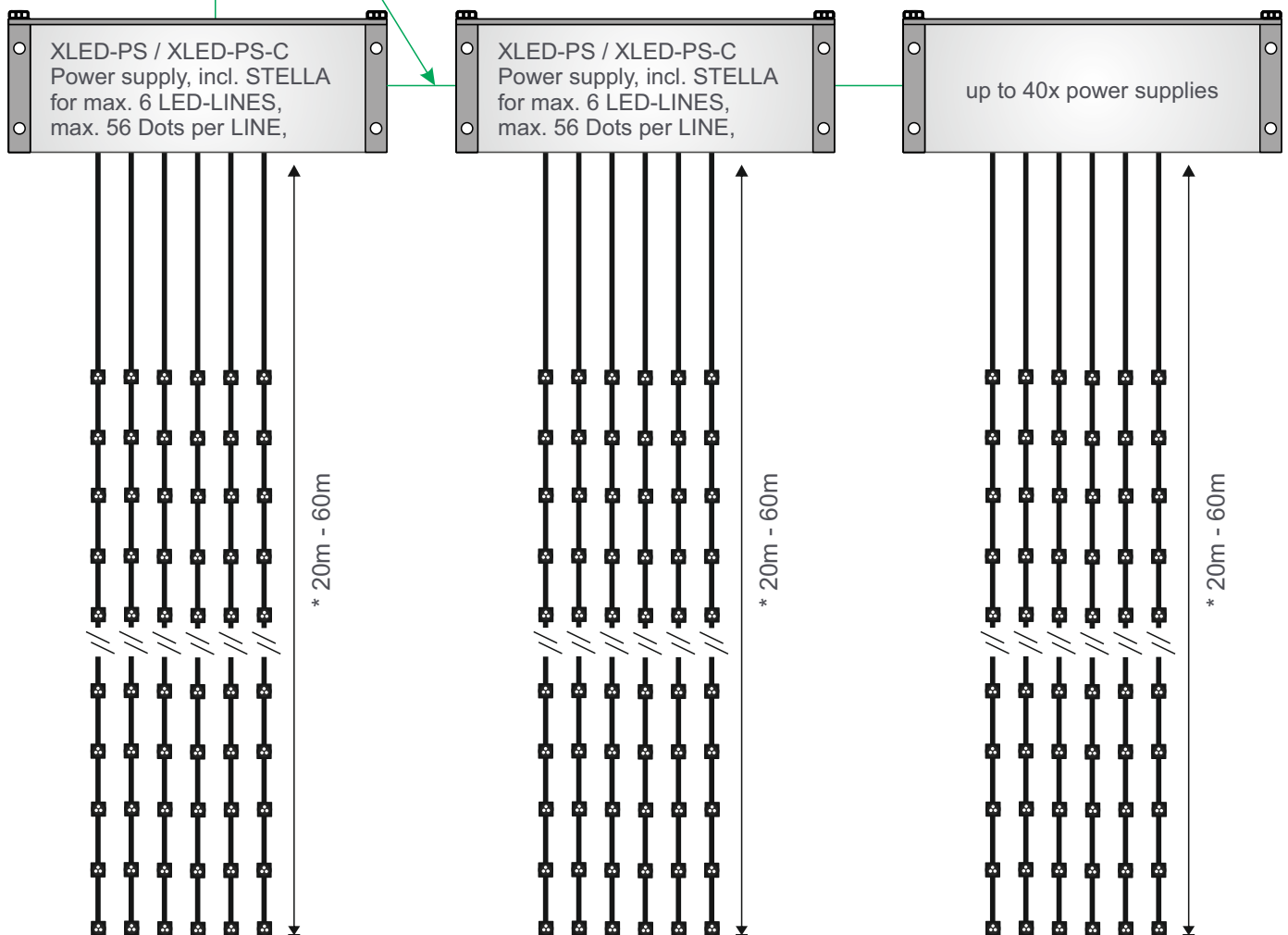
Stand-alone



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Daisy-Chain Network connection

Datacable (RJ45)



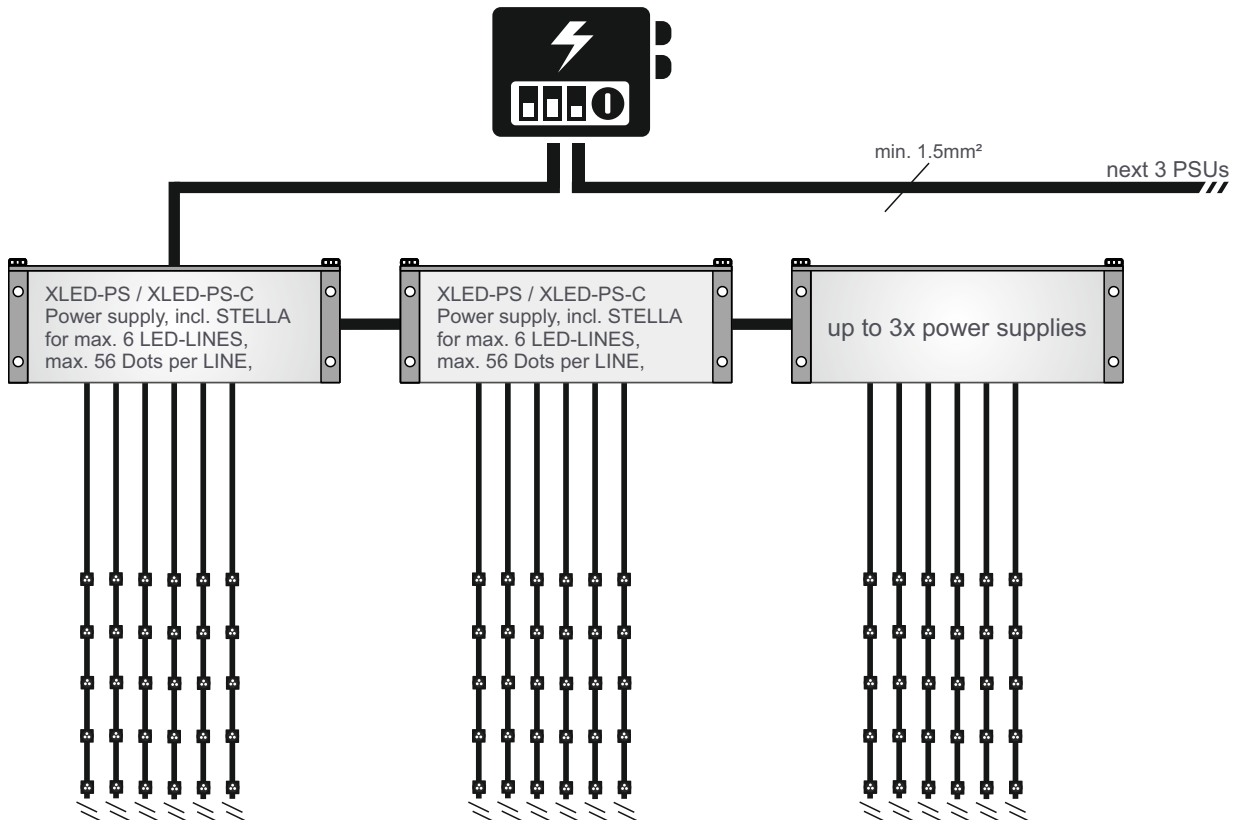
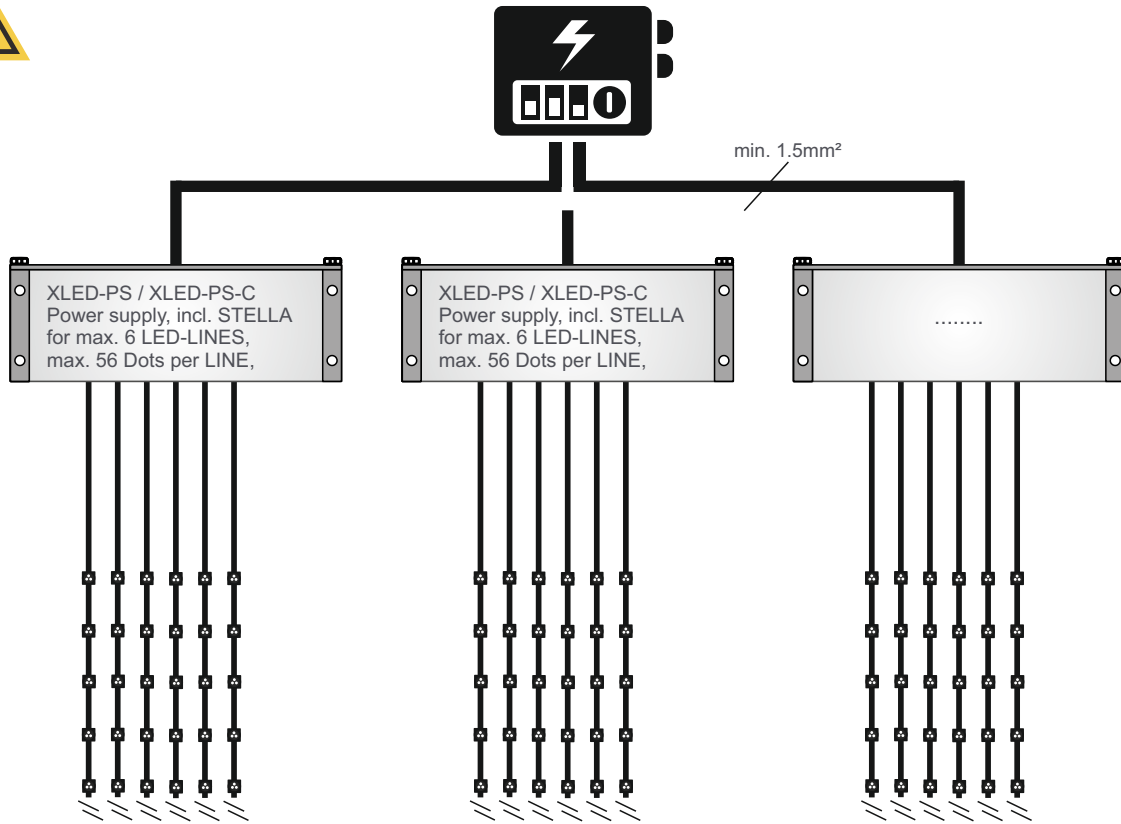
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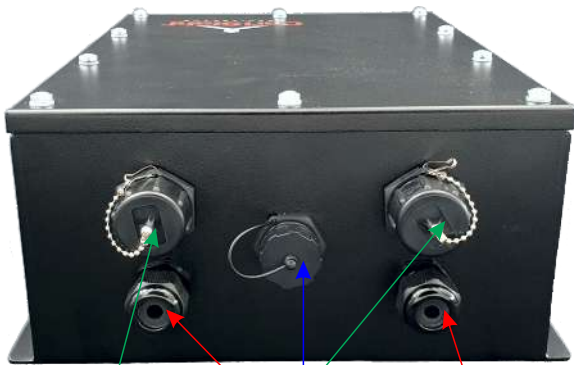


Connector groups	2 x 3 groups
Connector secondary	max. 56 Dots per group
Fuses	5 fuses (per DMX-splitter)
Voltage range	90 - 305 VAC (L/N/PE max. 4mm ²) 127 - 431 VDC (L/N/PE max. 4mm ²)
Rated power	2x 300 Watt
Rated current	2x 15 A
Frequency	50-60 Hz
PF	> 0,94
Voltage adj. range	17 VDC - 22 VDC (per DMX-splitter / Group)
Current adj. range	7.5 A - 15 A (per DMX-splitter / Group)
Inrush current	COLD START 2x 70 A at 230 VAC
Operating temperature	-20°C to +50°C
Protection level	IP65 - outdoor rated
Size	W: 260mm (230mm) D: 300mm H: 117mm
Network connection	Art-Net, Daisy-Chain Support
Control	2 x DMX512A
Housing	Aluminum, black or grey powder coated
Operating features	Temperature monitoring (only with Controller) Power In / Power Out
Mounting options	Wall mounting, horizontal, vertical



Electrification





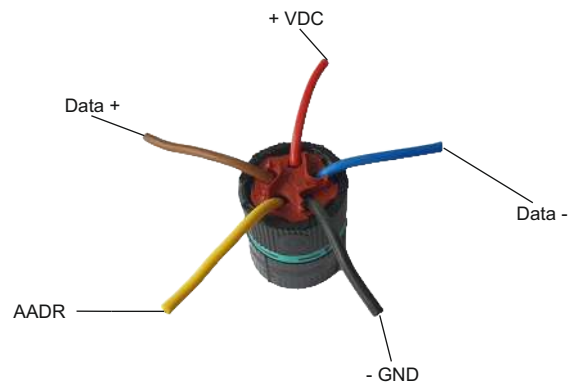
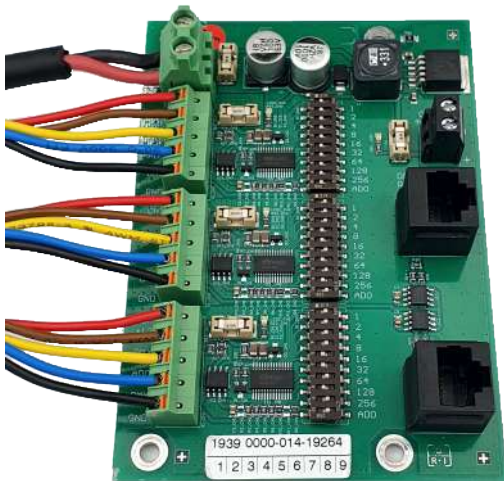
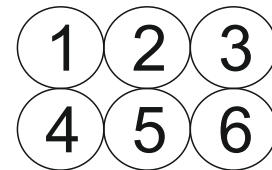
Data In/Out (RJ45)

USB

Power In/Out

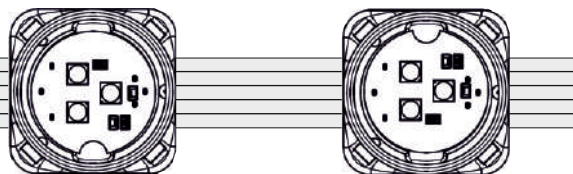


LED-Lines



Wiring

- 1 (marked in white) +12VDC
- 2 Data +
- 3 AADR
- 4 Data -
- 5 GND



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SERVICING AND MAINTENANCE

Clean device from dirt and residue regularly. Use solvent-free cleaning agents only and do not employ aggressive chemicals or high pressure , cleaner. Operate device only after complete drying.

CUSTOMER SERVICE



Please check all trouble-shooting measures given in this operating manual.
For any further questions please contact our hotline.

Tel: +49 (0) 7162/948 150 300 | Fax: +49 (0) 7162/948 150 305

MANUFACTURER

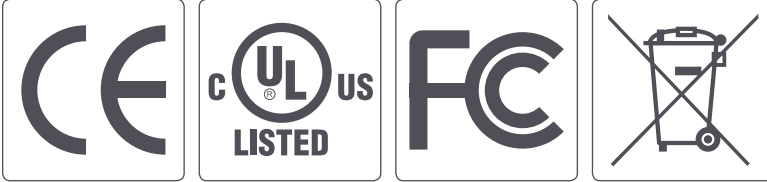


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CONFORMITY

Our devices are certified according to the following European and American Standards



NOTE:

This equipment has been tested and found to comply with the limits for a class a digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of these equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

„This Class (A) digital apparatus complies with Canadian ICES-003”

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Specifications are subject to change without notice.

No representation or warranty as to the accuracy or completeness of the information included herein is given and any liability for any action in reliance thereon is disclaimed.

All trademarks are owned by Carl Stahl ARC GmbH or their respective owners.

WARRANTY:

We provide for our LED-Dots (XLED-DOT-...-...), LED-Lines (XLED-LINE-...-...) and power supply units (XLED-PS-...-...) a warranty of 5 years.

Any other system related products (e.g. products from other manufacturers) are covered by their standard warranty.

Within the warranty period a failure rate of 3 % could occur. This failure rate is no claim for warranty.

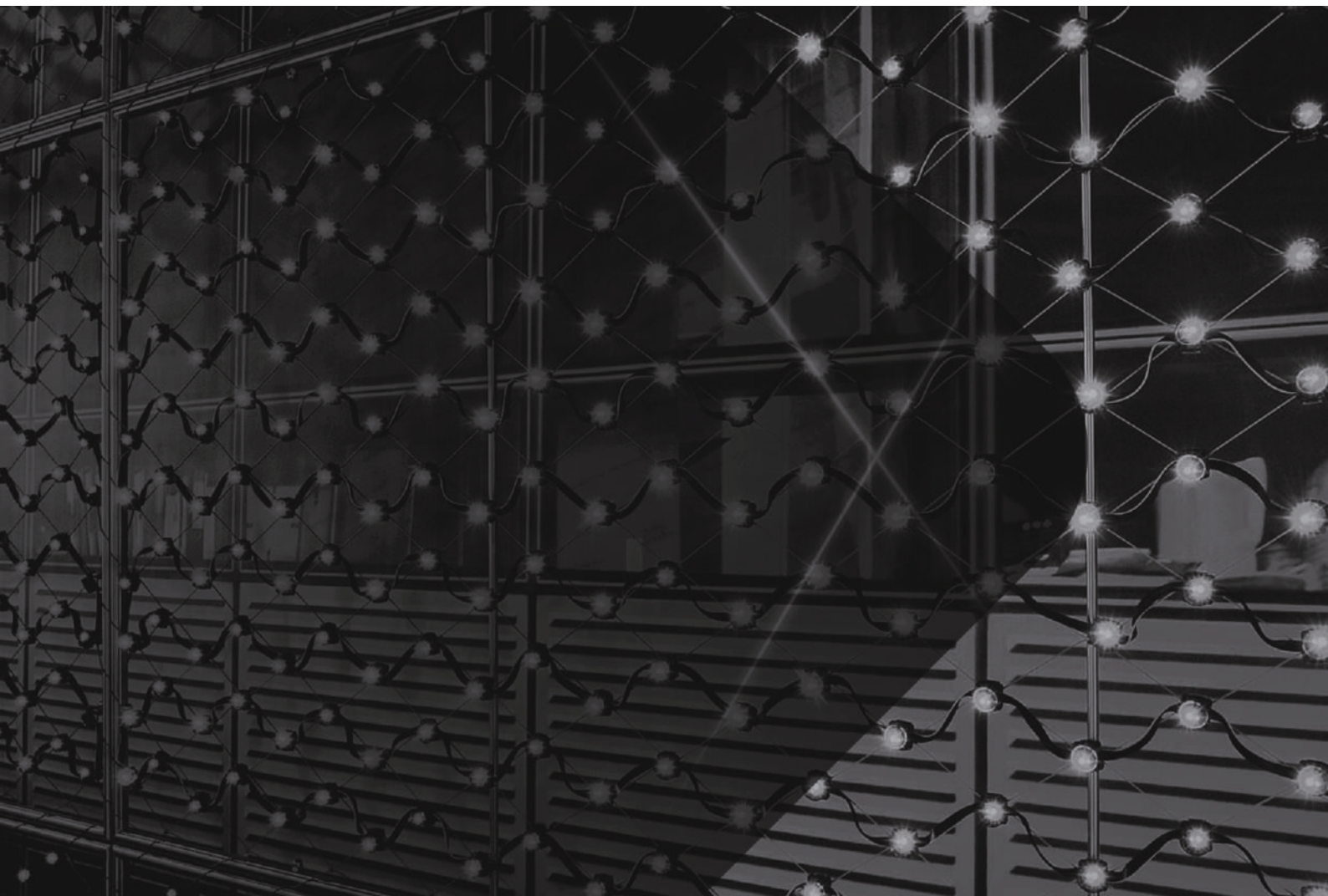
Any visual changes due to UV, salt or other environmental impacts, which doesn't effect the functional behavior of the product, aren't covered in this warranty.

We advise to order a corresponding number of spare parts. For professional replacement we provide a training by our specialists.

Requirement for our warranty is the compliance with our installation and maintenance guidelines.

Due to side and application conditions problems can occur, which are not covered by the warranty, except they were named specifically by the client in advance. The installation has to be made by trained and skilled workers.

For all further conditions and claims our General Sales and Planning Terms are valid. They are available for Download on our website.



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