User Manual

Splitter PRO
Splitter PRO DUO

SPP-3-1D5D, SPP-5-1D5D, SPP-6-1D5D,
SPP-3-1D10D, SPP-5-1D10D, SPP-6-1D10D,
SPPD-3-3D8D, SPPD-5-3D8D, SPPD-6-3D8D

CE

Contents

Specifications

Supported protocols	DMX512, RDM
DMX data refresh rate	44 Hz
DMX input ports	1 or 3 isolated
DMX output ports	5,8 or 10 isolated
DMX connectors	XLR (5 pins, 3 pins) or RJ-45 (etherCON)
Mounting	Rack
Power supply	~100-250 VAC, 50/60 Hz
Mains Fuse	0.5 A
Input power	5 W
Operating Temperature:	-0°C... +60°C
IP Rating	IP 20

Safe operation

In installation, operation, preventive maintenance and repairs of the device, the requirements of the safety rules must be followed.
To ensure safe and reliable operation of the devices, please observe the following requirements:
Use the device only for its intended purpose
Do not use devices that shows signs of malfunctioning
Avoid strong physical impacts on the device
Protect devices and cables from contact with corrosive liquids
Whenever a fault is detected in the device, please contact the manufacturer.

Warning!
The device uses hazardous voltage AC 100-250V

General information

Splitter Pro is a single-channel DMX512 splitter and is an effective solution for controlling dynamic lighting equipment. A feature of the splitter is the ability to transfer DMX512, RDM (ANSI E1.20) protocols from one input to 5 or 10 outputs.
Splitter Duo Pro is a double-channel DMX512 splitter with 2 inputs and 8 outputs. Splitter Duo Pro can work as two separate splitters 1-to-4, or as a single splitter with 1 input and 10 outputs (similar to Splitter Pro).
Splitter Pro and Splitter Duo Pro can be supplied with XLR 5-pin, XLR 3-pin, or EtherCON connectors.
RDM support can be enabled and disabled by a stick switch on the front panel.
Each input connector has a through-output connector to pass DMX512 signal to other devices in a chain.
The device is designed in a housing for installation in a 19-inch rack and can be used at positive temperatures indoors.

Advantages

Rack form factor 1U 11 cm deep with protection IP20

Maximum surge protection – power supply optimized for voltage from 90 to 315 VAC

Thru DMX outputs for each input

Smart indication of operating modes

Full RDM support (ANSI E1.20)

Galvanic isolation on all ports

Fastest recovery after short power failure

PowerCON TRUE1 inlet+outlet combination

Installation

Before mounting and power up, it is necessary to verify protective earthing and cable connections.
1. Ensure the device has no damage due to transportation
2. Install the unit into the rack and secure it with screws. Connect the power cable plug
to a power outlet
3. Connect cable to input port "IN" if you use Splitter Pro device or to necessary input port
("IN COM", "IN A" or "IN B") if you use Splitter Duo Pro device. If the input signal is present,
the appropriate port indicator lights green. If there is no signal, the indicator is red.
4. Connect the desired number of output lines to the "OUT" connectors.
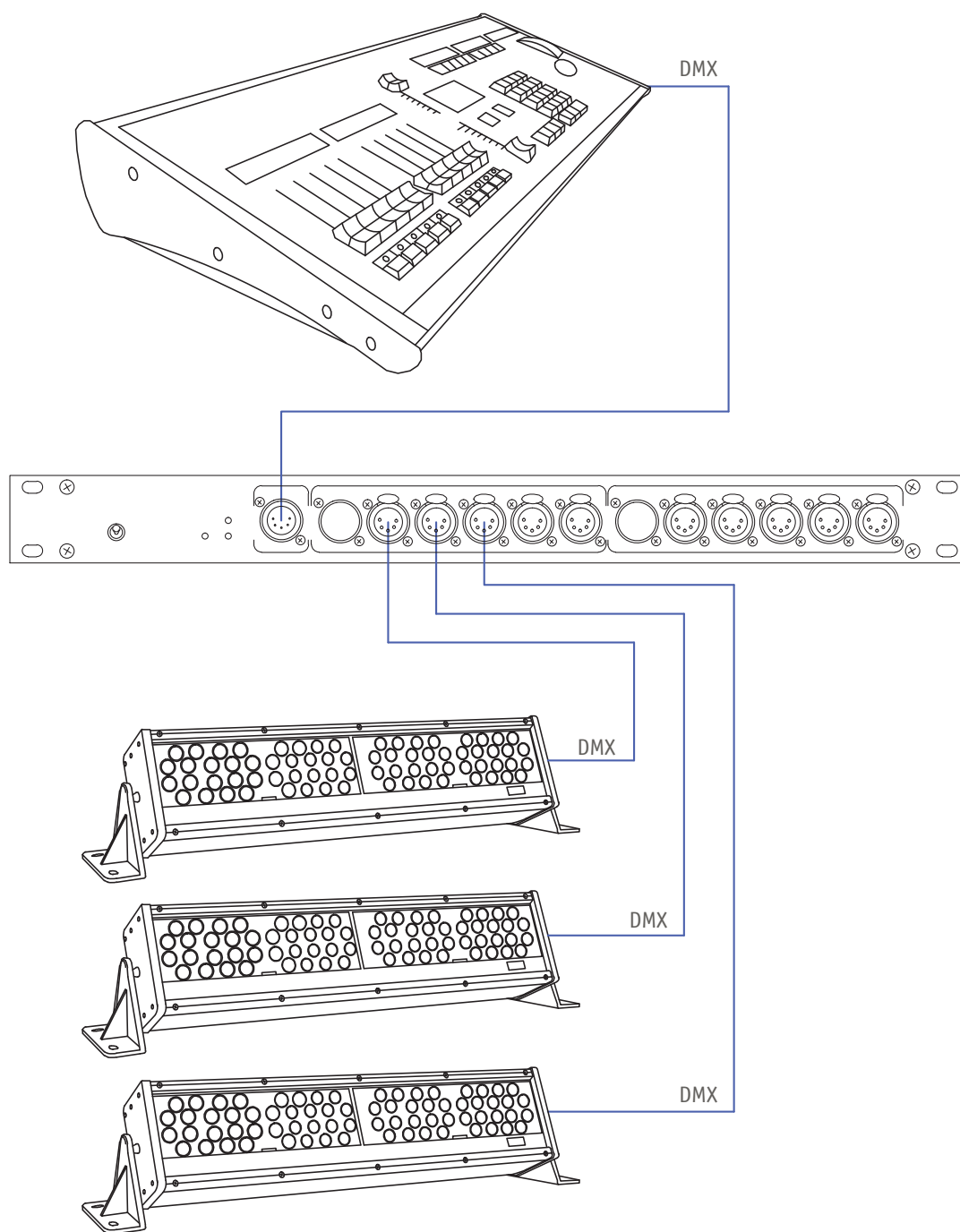5. The device is ready for use

Indication

Splitter Pro indicates presence of DMX512 signal on the input(s), activity in DMX universe,
and the RDM E1.20 activity.

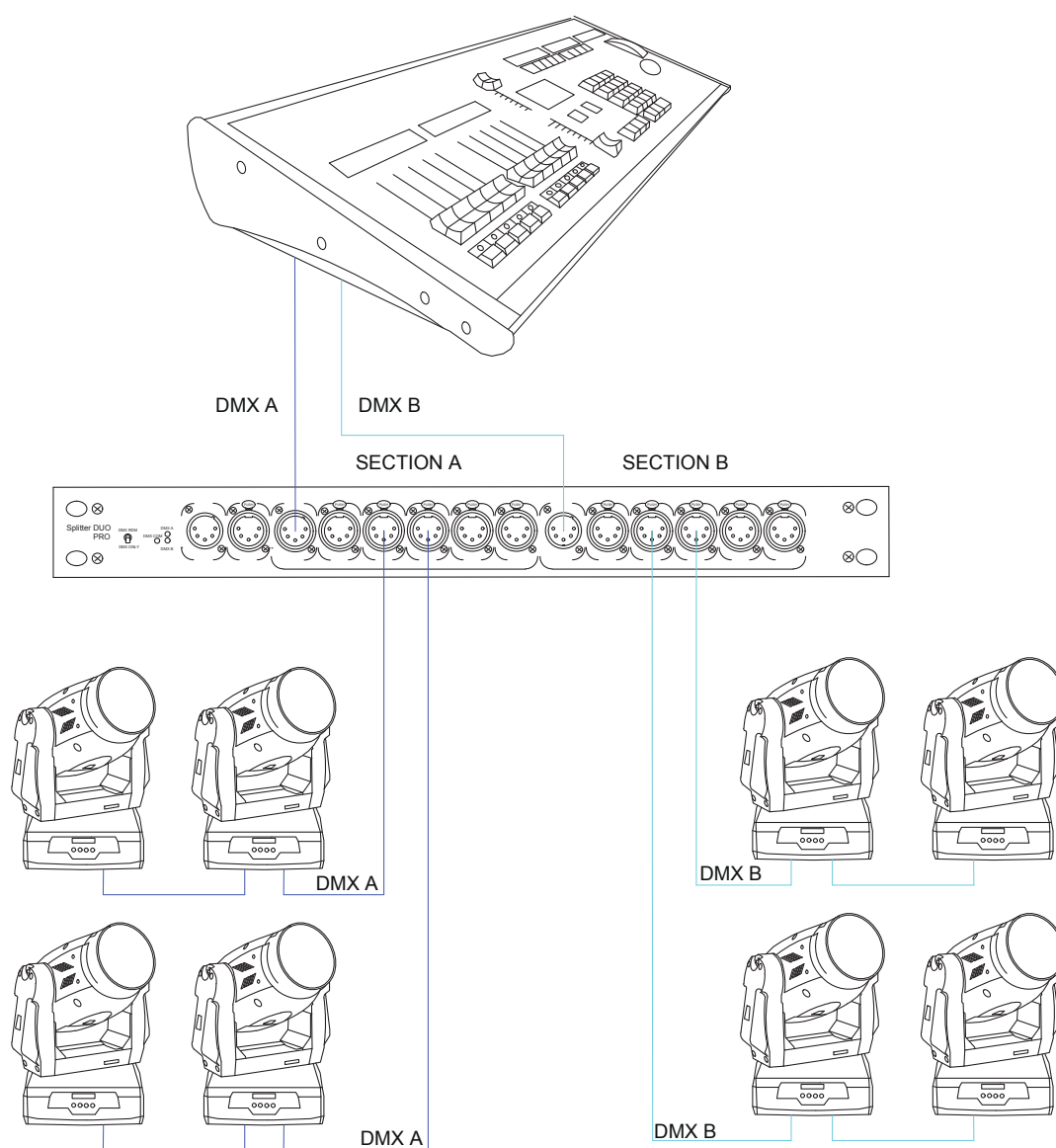| LED	Status
Red	No valid DMX signal on input
Green	Valid signal is detected, no changes in DMX data
Blinks green	Valid signal is detected, DMX data is being changed
Blinks orange	RDM activity is detected

Connection scheme

Splitter Pro, Splitter Duo Pro (single input mode)

DMX

DMX

DMX

DMX

Connection scheme

Splitter Duo Pro (double input mode)

Technical maintenance

Maintenance the device, search and troubleshooting should be performed by service personnel. The device should be free from dirt, dents, connecting cables and wires must be intact and securely fastened.

Notes

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