



User Manual

Splitter DIN DUO Double input DMX splitter / repeater

SPDD-1-2D4D

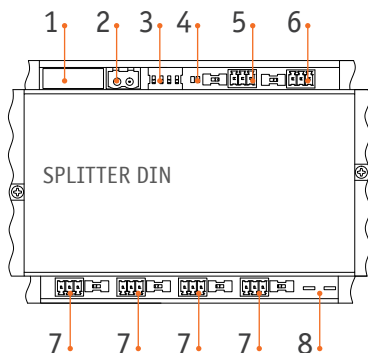
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Visual Appearance



Pic.1 Main interfaces and indicators

- | | | |
|---------------------|--------------------|--------------------|
| 1 Fuse | 4 LEDs | 7 Output DMX ports |
| 2 Power input | 5 Input A DMX port | 8 Grounding |
| 3 Mode DIP switcher | 6 Input B DMX port | |

Specifications

Supported protocols	DMX512, RDM, Modbus
DMX input ports	1 or 2 isolated
DMX output ports	4 or 5 isolated
DMX connectors	15EDGVC terminal blocks
Mounting	DIN rail in the power cabinet
Setup	DIP switchers
Power supply	~90-250 VAC, 50/60 Hz or 9-36VDC
Operating Temperature:	-40°C... +70°C
IP Rating	IP 20
Dimensions, mm	142 x 105 x 75

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 230 V

General information

Splitter DIN DUO is special DIN rail mount device with 6 DMX input/output ports that operates as a regular splitter with 1 input and 5 outputs as well as two separated 1-to-2 splitters. All input and output channels have full galvanic isolation from each other. Remote Device Management (RDM) compatible.

The device is suitable for indoor use. Splitter is powered by 100-250 V industrial AC mains, power consumption is less than 5 watts.

Key features:

- Supports bidirectional communication (DMX512 and RDM).
- Single or dual input modes.
- Full galvanic isolation on all ports.

Installation

Before mounting and power up, it is necessary to verify protective earthing and cable connectors.

1. Ensure the device has no damage due to transportation.
2. Attach the device to the DIN rail.
3. Set position of DIP-switcher 1 in accordance with needed device configuration (single-channel or dual-channel mode).

	ON	OFF
SW1	RDM enabled	RDM disabled
SW2	Dual splitter mode	Single splitter mode
SW3	Full transparent mode	Dedicated input(s) mode
SW4	Bus indication mode	DMX512 indication mode

4. All input and output channels have 120 Ohm terminators, managed by special DIP-switches TIN, T(1)–T(5). To connect the terminator to the line is necessary to set proper switcher in ON position, to disconnect- in OFF position.

5. Connect the power, input and output DMX lines to the corresponding device ports.

6. When device properly connected, the LED indicator on the device is lit. Its color indicates the presence of a valid DMX input signal: Green - present, Red - missing.

7. The device is ready for use.

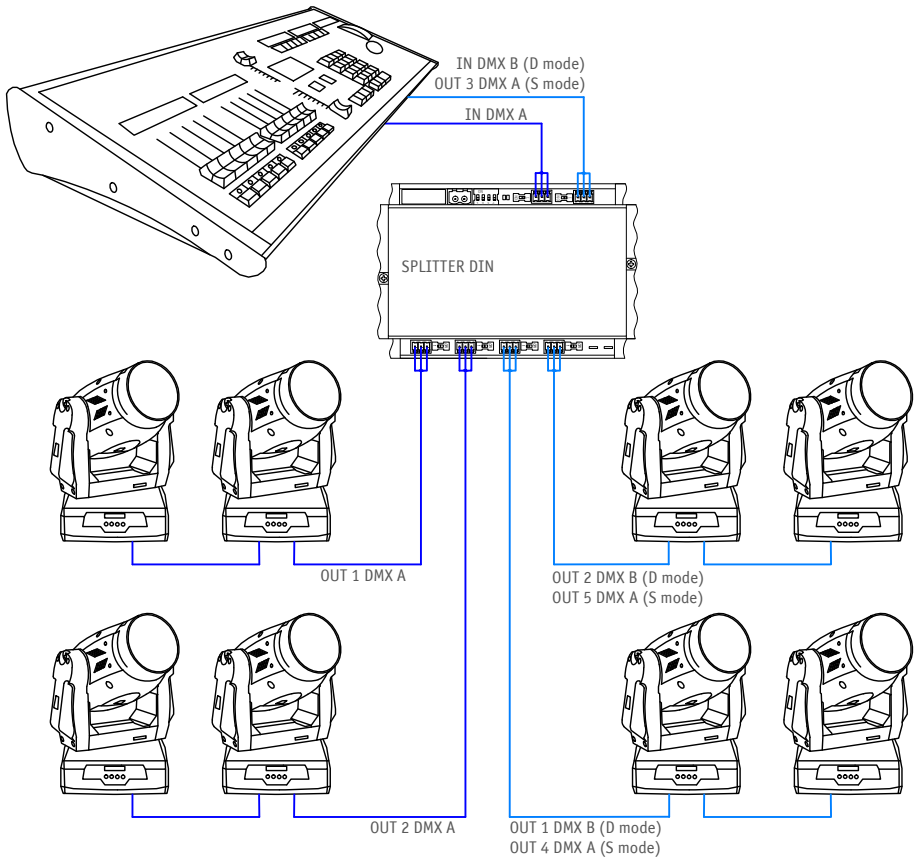
LED indication

	DMX512 mode	Bus mode
Green	Valid DMX signal	Bus is idle
Red	No DMX signal	Bus is busy
Off	Device/Section doesn't work	Device/Section doesn't work

Technical maintenance

Maintenance, 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.

Connection scheme



Please send all your warranty-related questions to
support@sundrax.com
All Sundrax products are covered by a 36 months warranty.



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