

Version 1.11
January 17, 2017

User manual
DMX
Wireless
Splitter PRO

WSPP-X-1D5DB, WSPP-X-1D10DB

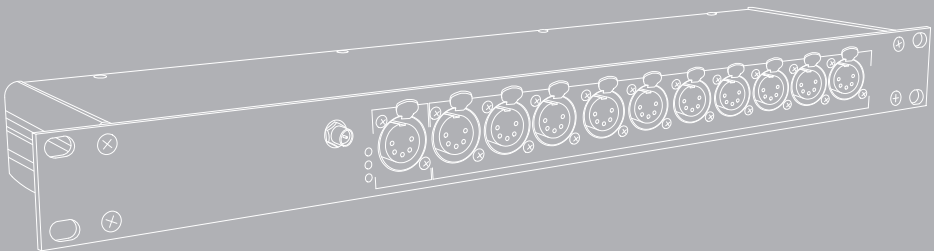


Table of contents

- 1 External appearance
- 1 Specifications
- 2 Safe operation
- 2 General information
- 3 Installation
- 3 Technical maintenance
- 4 Connection scheme

External appearance



Pic.1 Main interfaces and indicators

1	Antenna port	3	DMX IN
2	Indicators	4	DMX OUT (1-10)

Specifications

Supported protocols	DMX512, RDM, BeDMX
DMX data refresh rate	44 Hz
DMX Inputs	1
BeDMX Inputs	1
DMX Outputs	5 or 10 isolated
DMX connectors	XLR (5 pins, 3 pins) or RJ-45 (etherCON)
Mounting	Rack
Power supply	~90-250 VAC, 50/60 Hz
Mains Fuse	0.5 A
Input power	5 W
Operating Temperature:	-0°C... +60°C
IP Rating	IP 20
Dimensions, mm	482(D) x 44(H) x 110(W)

Safe operation



WARNING!

The device uses hazardous voltage AC 230 V

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.

General information

Wireless Splitter PRO is a series of multifunctional rack mountable splitters boosting the signal to create 5 or 10 additional DMX lines from DMX512 or BeDMX inputs. BeDMX is hi-end technology for transmission between devices in 2.4 GHz ISM band with bidirectional communication and Adaptive Frequency Hopping (AFH) which guarantees near 100% resistance to radio frequency interference by a hop rate of 1600 hops per second. All ports have full galvanic isolation. The device is suitable for indoor use and rack mountable. Splitters are powered by 90-250 V industrial AC mains, power consumption is less than 5 watts.

If you connect both DMX and BeDMX, DMX has priority, and BeDMX may be used as backup channel. For connection via BeDMX only, input DMX line should be disconnected.

Key features:

- No buttons;
- XLR or EtherCON, RJ-45 (customer request);
- Wireless back up function;
- Resistance to interference.

Installation

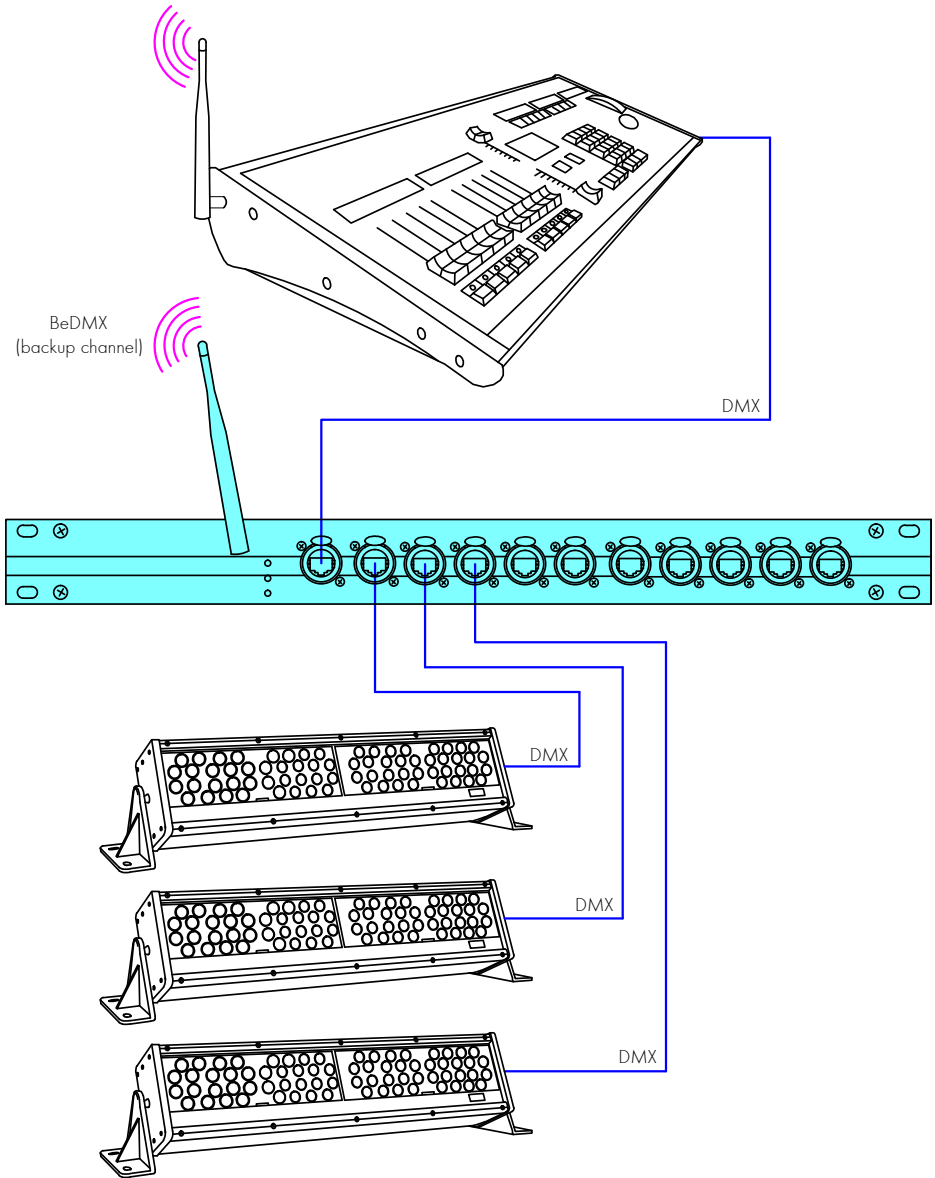
Before mounting and power up, it is necessary to verify protective earthing and cable connections.

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 the input signal is present, the appropriate port indicator lights. If there is no signal, the indicator flashes.
4. Connect the desired number of output lines to the connectors «OUT».
5. For wireless transmission connect antenna and disconnect DMX input cable. If connection with transmitter is missing, LED indicator Status is lit. If connection with transmitter is present, LED indicator Link is lit.
6. The device is ready for use.

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.

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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