



DMX Splitter 2/10

## Product description

### DMX512 signal splitter

PX736 allows for providing branches in extensive DMX512 installations. Connecting in series multiple receivers in one line may be hard. Applying splitter in the topology allows to create branches on DMX line.

Moreover, the PX736 will amplify and regenerate DMX512 signals, removing interference effects, as well as eliminating signal reflections on the line. Using your PX736, you can split two DMX512 input signals into 10 independent branches. You can also assign either input (A or B) to each output, thus modifying the system topology.

Galvanic isolation is provided between individual outputs themselves as well as from the inputs, and the outputs are adequately amplified, which ensures proper operation of the entire installation.

The PX736 splitter has a metal housing that is fitted into RACK system.

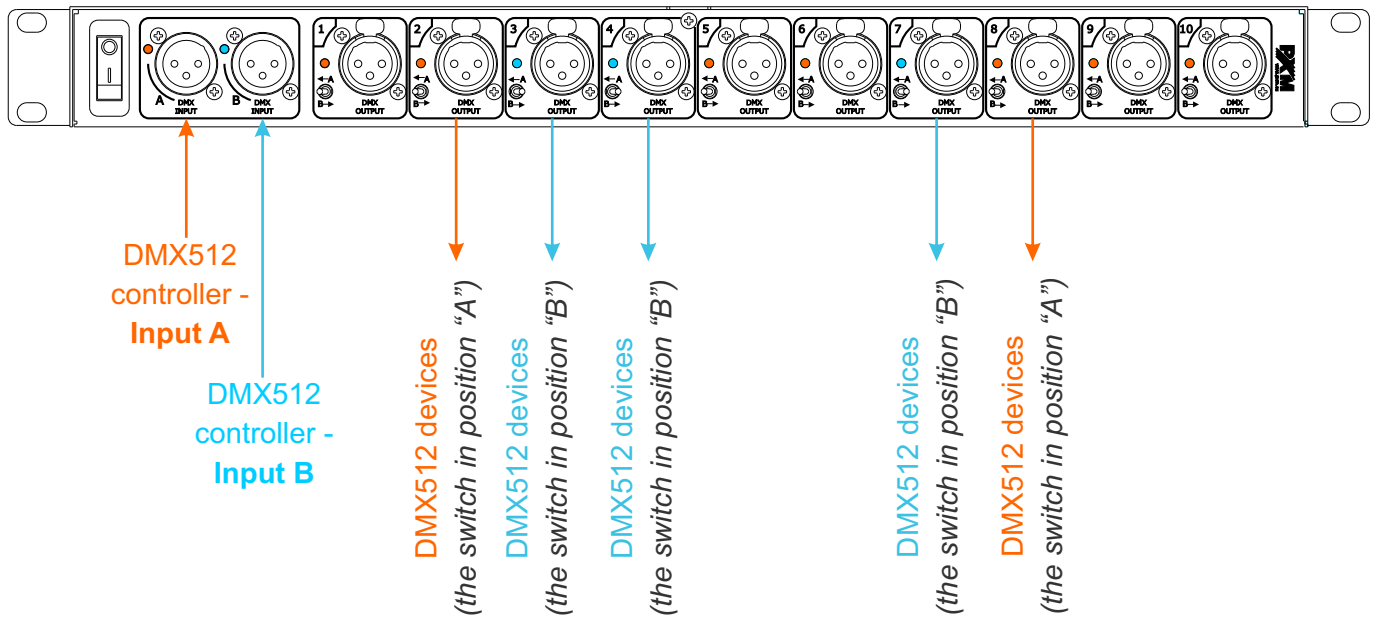
The PX736 is designed to run from 230 V AC mains.

## Technical data

Type:	PX736
DMX512 INPUT / OUTPUT lines:	2 / 10
The protocol supported:	DMX512, DMX512-A
Signal regeneration:	yes
DMX input selection:	individually for each output
DMX line optical isolation:	yes
Overvoltage protection:	yes
INPUT/OUTPUT insulation breakdown voltage:	>1000 V
Recommended DMX signal cable type:	shielded twisted pair cable (e.g. BiTsound DMX 512/1990 Data Cable 100 Ohm LP0214)
Signal cable diameter:	22 or 24 AWG
Data cable impedance:	110-120 Ω
Maximum length of a signal cable between devices:	500 m (for 22 AWG), 300 m (for 24 AWG)
Maximum number of devices on a single DMX output line:	32
DMX output:	a 3-pin or a 5-pin XLR receptacle
Power supply connector:	1x PowerCON TRUE1 Neutrik
Mounting:	in a RACK system
Power supply:	100 - 240 V AC
Power consumption:	10 W
Weight:	1,96 kg
Dimensions:	Width: 481,6 mm Height: 42,5 mm Depth: 140 mm

### Connection diagram

Each of the ten outputs needs to be assigned a single input (A or B)  
Example: Seven of the outputs are assigned to input A, and three to input B.  
In order to select either input A or B, use the switches located next to the output.



Dimensions - technical drawing

