



Device description

This signal splitting device, or DMX-RDM splitter, allows for providing branches in extensive DMX-RDM installations. As connecting multiple, series-connected receivers to from a single chain can be difficult, provision has been made in the design of the splitter to create DMX-RDM line branches. Moreover, the PX716 will amplify and regenerate DMX-RDM signal, removing interference effects, as well as eliminating signal reflections on DMX-RDM lines.

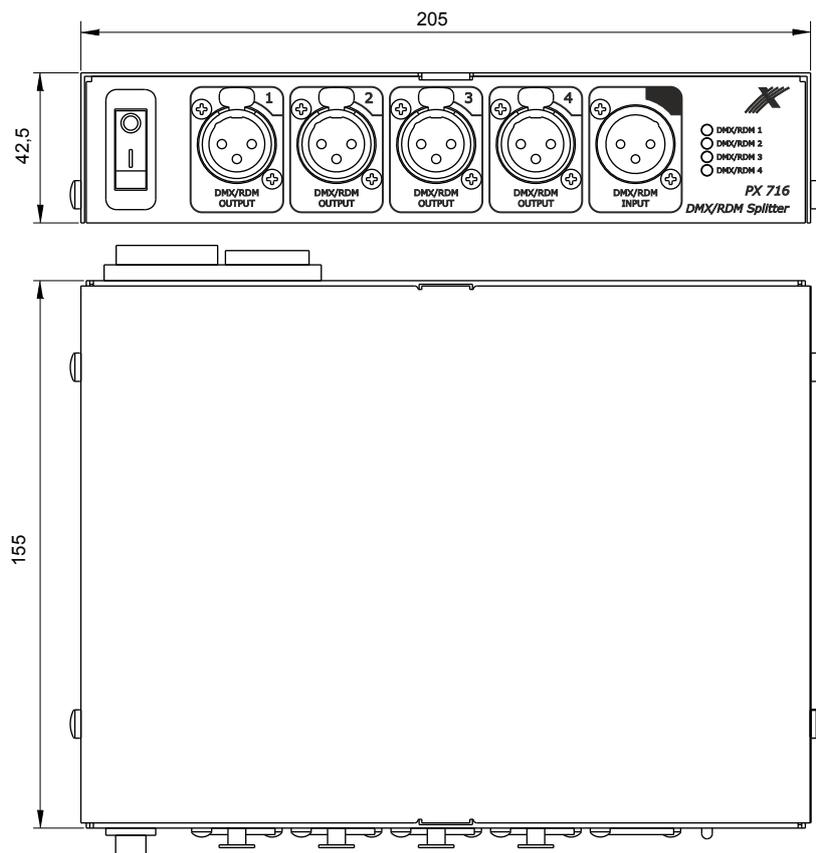
The PX716 will split an input DMX-RDM signal into 4 independent branches. Galvanic (optic) isolation is provided between individual outputs themselves as well as from the input, and the outputs are adequately amplified, which ensures proper operation of the entire installation.

The device supports the RDM protocol. A maximum of four splitters can be connected in a cascading arrangement.

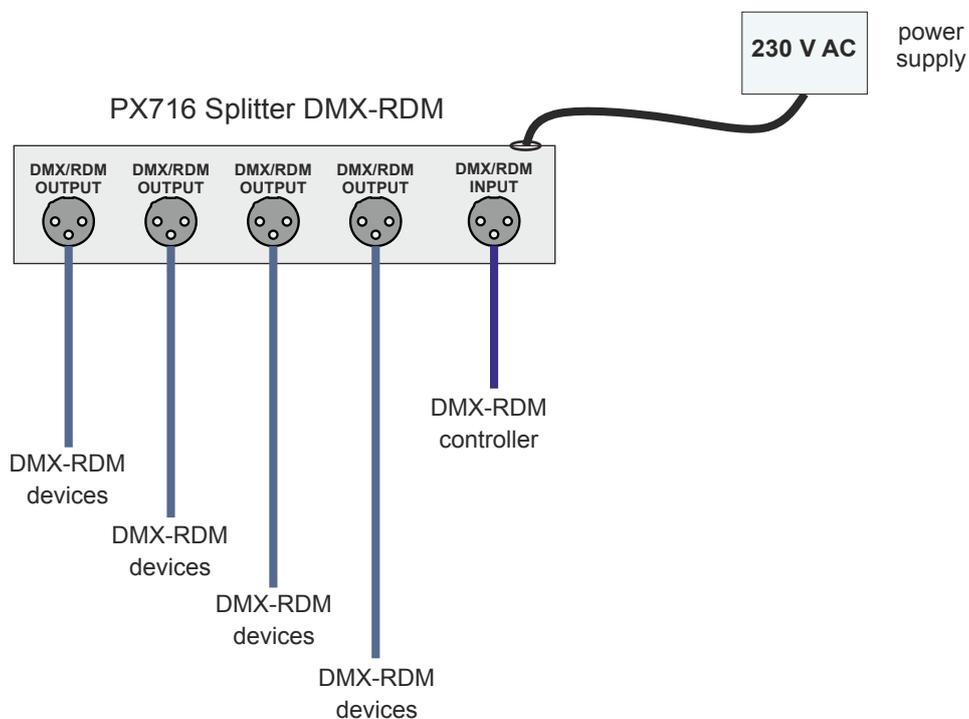
Splitter has a metal housing. Additional mounting kits are available for installing a single PX716 unit in a RACK system, two units side by side in a RACK system, or for suspending a PX716 from e.g. a truss.

The PX716 is designed to run from 230V AC mains.

Technical drawing



Connection diagram



Technical data

type	PX716
DMX-RDM input / output lines	1 / 4
DMX line optical isolation	yes
overvoltage protection	yes
input / output insulation breakdown voltage	>1000V
DMX signal cable type	shielded twisted pair
data cable gauge	22 or 24 AWG
data cable impedance	120 Ω
max. length of a signal cable between devices	500m (for 22 AWG) or 300m (for 24 AWG)
max. number of devices on a single DMX output line	32
DMX output	3-pin locking XLR or 5-pin locking XLR
power supply connector	PowerCON TRUE1 Neutrik
additional options	mounting in a RACK system
power supply	230V AC
power consumption	5W
weight	0.9kg
dimensions	width: 205mm height: 42,5mm depth: 155mm

Mounting systems

<p>D357-H1 (short and long side handle)</p>	
<p>D357-H2 (2 x short side handle and connector)</p>	
<p>D357-H3 (suspension bracket)</p>	