



## Device description

Gate 4 DMX RDM device was created for 2-way converting Art-Net signal into four DMX512 and DMX512 ports on Art-Net.

The gate is powered by 12 – 24V DC. The device is protected by a housing for a 35mm DIN rail protecting it against mechanical damage.

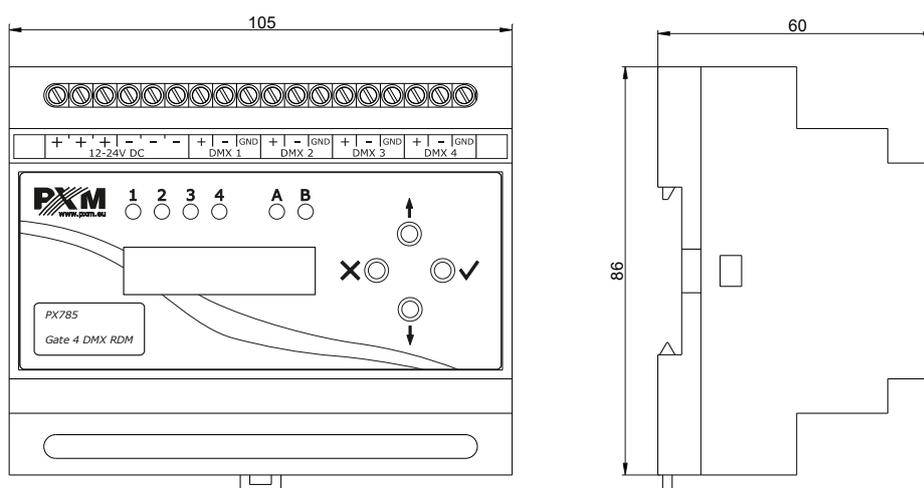
The gateway has two modes of merging signals from two sources: HTP and LTP. The protocol version is Art-Net4 (compatible with Art-Net 1 – 4).

The device is equipped with four DMX / RDM ports working in *IN* / *OUT* modes and one Ethernet port operating in the 10 / 100BaseTX standard. DMX512 ports have optical and galvanic isolation.

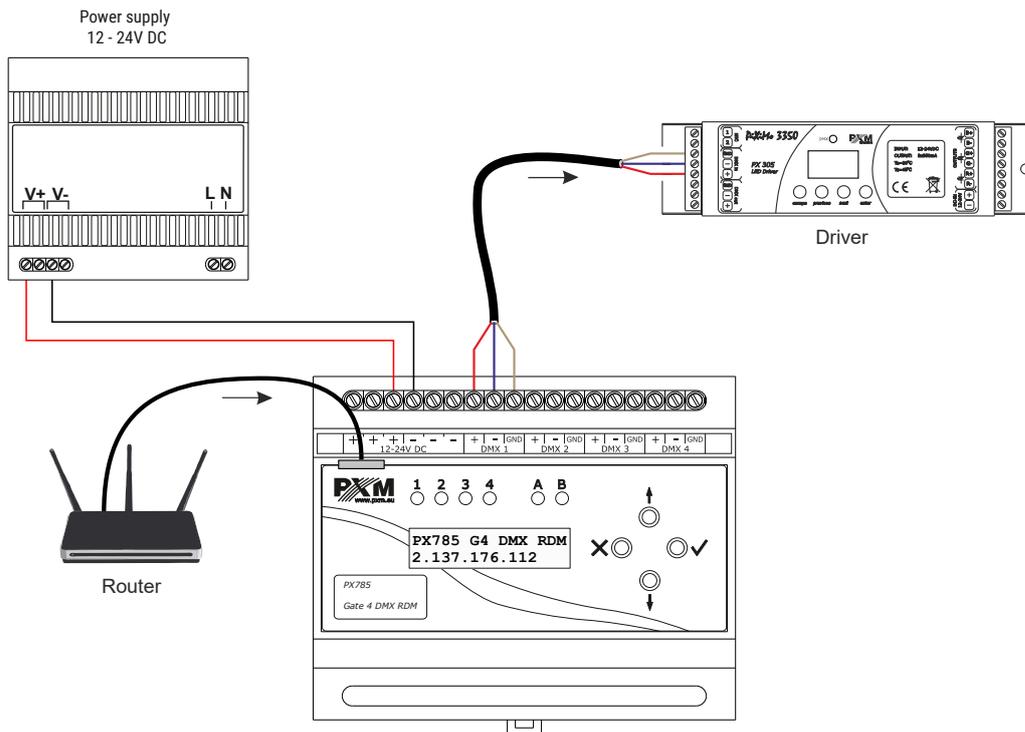
On the housing there are six LEDs installed, four two-color ones responsible for data transfer on DMX / RDM ports and two one-color ones informing about the status of the Art-Net network connection.

The gate PX785 has a display and four buttons that allows to change the configuration: Art-Net, Ethernet and DMX settings (such as: *Brake*, *MAB*, *MBF* and the number of DMX channels transmitted).

## Technical drawing



## Connection diagram



## Technical data

type	PX785
DMX/RDM lines	4
DMX/RDM input	screw terminals
RDM protocol support	yes
bi-directional signal conversion	yes
optical DMX line isolation	yes
galvanic isolation of DMX lines	yes
DHCP protocol support	yes
Art-Net version	Art-Net 1, 2, 3, 4
communication method	Art-Net, display and buttons
firmware update	through Art-Net 4 protocol
number of user configurations	1
default user presets	2 (2.x.x.x and 10.x.x.x)
indications mode	Normal, Mute, Identify

“No signal Art-Net” mode	yes (holding last value)
synchronous mode support	yes
dark mode (screensaver)	yes
user interface	2 x 16 LCD display, 4 x buttons, 4 bi-color diodes, 2 single-color diodes
power supply	12 – 24V DC
power consumption	max. 4W
weight	0.2kg
dimensions	width: 105mm height: 86mm depth: 60mm