



Device description

PX749 is a multimedia file player controlled by DMX, Art-Net, sACN, UDP protocol or external buttons. The player allows you to play 4K video files up to 60 fps, audio files with 5.1 surround sound and static images.

It can be powered by 12 – 24V DC or using PoE 802.3af.

In the event of a control signal failure, it can operate independently according to programmed settings.

The device is equipped with:

- 1 x Ethernet 10/100/1000Base-T,
- 1 x SD card reader,
- 2 x USB 3.0,
- 1 x DVI-D*,
- 1 x S/PDIF,
- 1 x balanced audio connector,
- 1 x unbalanced audio connector,
- 8 x external button connectors,
- 1 x open collector (OC) output connector.

The device comes with a PC application that allows you to create a configuration.

The application is used to upload and download configurations and multimedia files using the Ethernet network.

A properly formatted SD memory card must be connected to the device.

Multimedia Player 4K is equipped with RDM protocol support.

Supported file formats

The player supports the following file formats:

Video	Audio	Images
*.mkv	*.mp3	*.jpg
*.avi	*.wav	*.jpeg
*.mpeg	*.flac	*.png
*.mp4		
*.wmv		
*.mpg		
*.ts		

NOTE! File names can only contain alphanumeric characters (A – Z, a – z, 0 – 9).

NOTE! All multimedia files and configuration are saved on the SD card. The SD card must not be removed while the device is running – only when the power is off. The card should be formatted in NTFS or exFAT file system.

Supported CEA-compliant resolutions include:

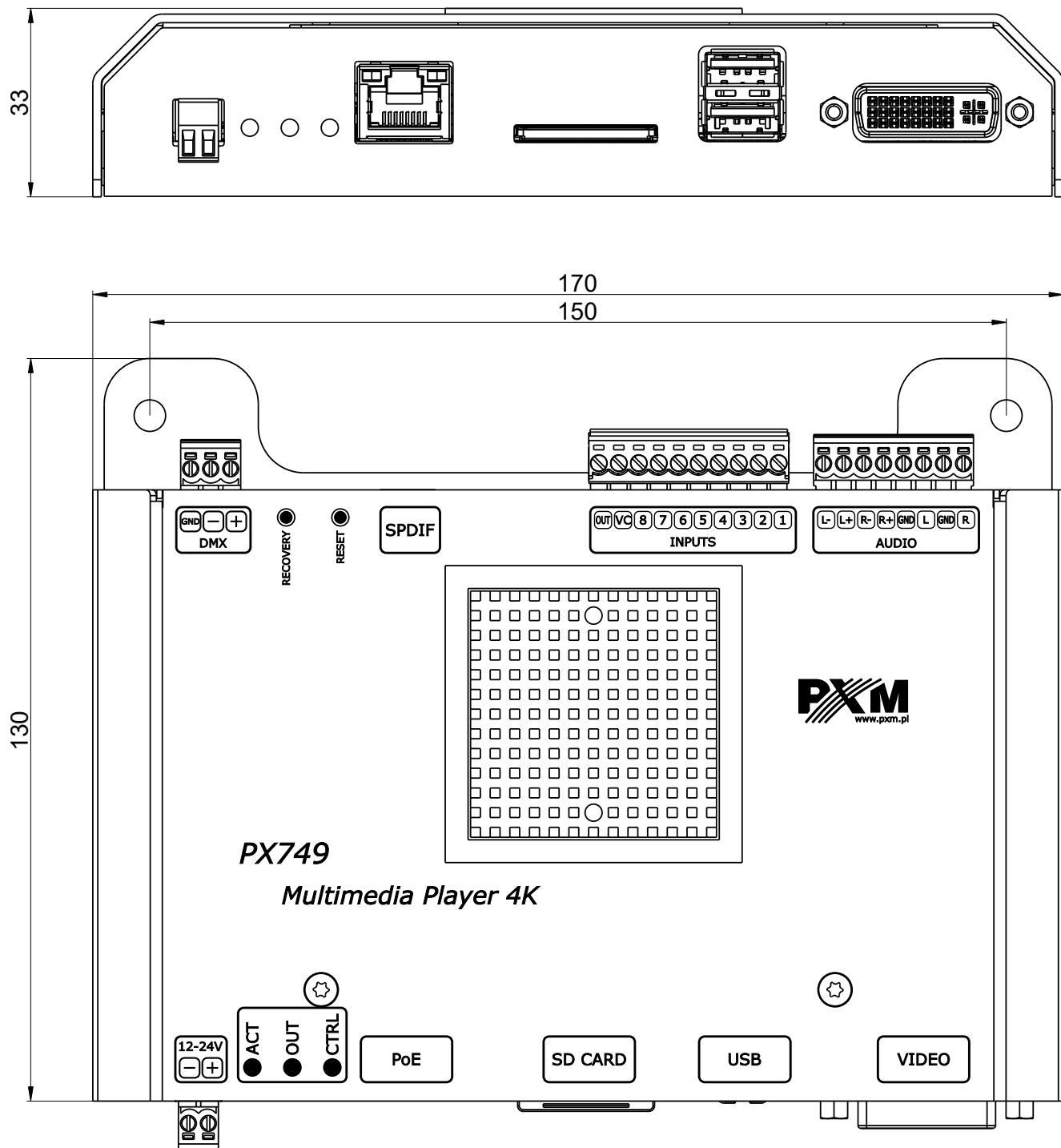
Name	Resolution
HD	1280 x 720px
Full HD	1920 x 1080px
2K	2560 x 1440px
4K	3840 x 2160px

NOTE! The player **does not support** 16:10 screen resolution.

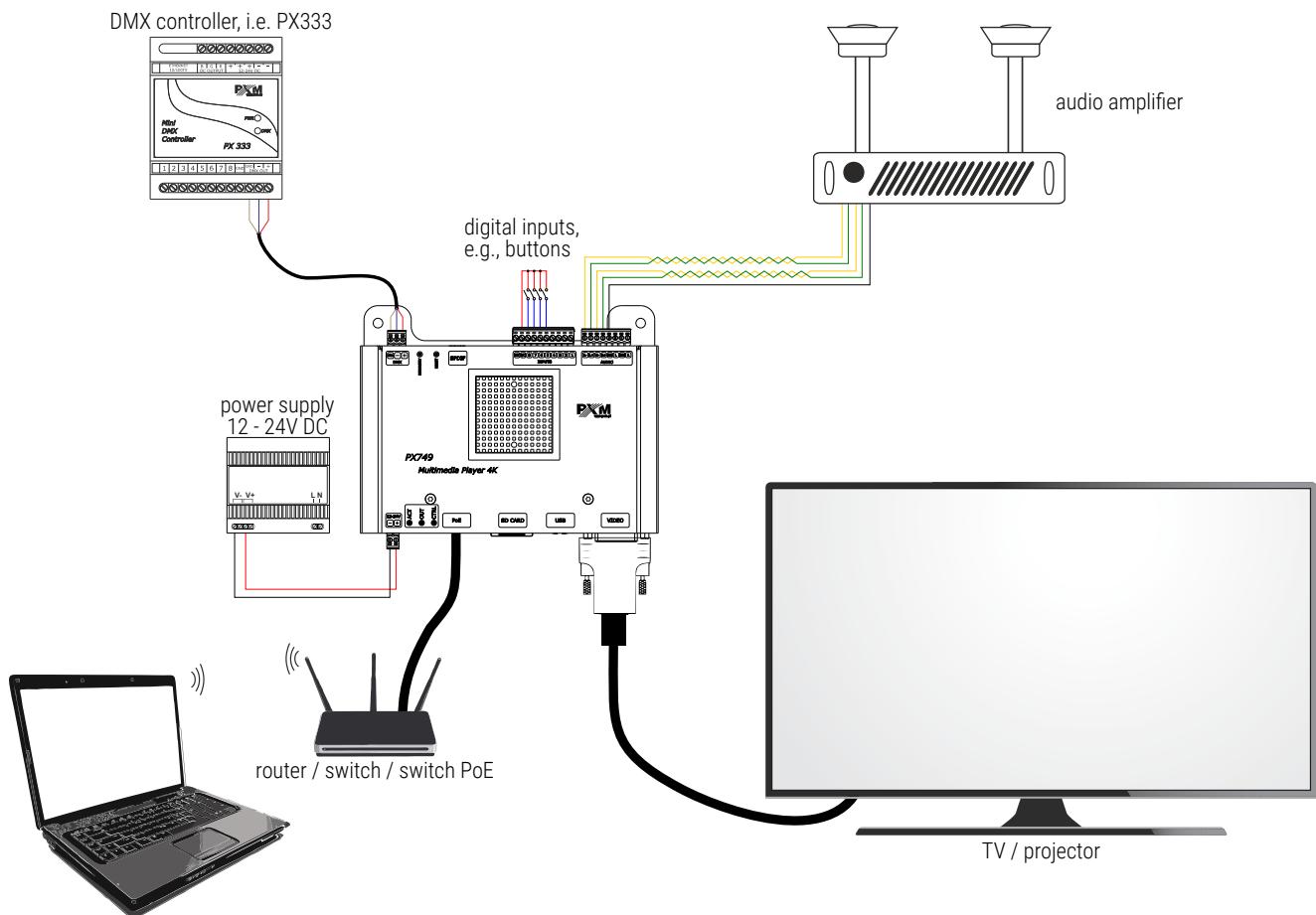
Recommended 4K@60 format:

- **container:** MPEG-4 (MP4) or Matroska (MKV),
- **codec:** H.265 (HEVC),
- **color depth:** 8 or 10 bits,
- **bitrate:** up to 50 Mb/s,
- **audio:** any (e.g. AAC, MPEG Audio, PCM, Vorbis, AC-3).

Technical drawing



Connection diagram



Technical data

	type	PX749
	power supply	12 – 24V DC / PoE 802.3af
	control	DMX / Art-Net / sACN / UDP / 8 x external buttons
	DMX channels	6 (function / song / mode / volume / playlist / output)
	RDM protocol support	yes
	optical isolation of DMX lines	yes
	supported video formats	mkv, avi, mpeg, mp4, wmv, mpg, ts
	supported audio formats	ogg, mp3, wav, flac
	supported image formats	jpg, jpeg, png
	supported resolutions	CEA-compliant
	number of supported files	up to 4080 (in 16 playlists)
	video quality	Full HD up to 60 fps 4K up to 60 fps CTA (formerly CEA) compliant
	sampling rate	up to 192kHz
	output connectors	1 x DVI-D* 1 x S/PDIF 1 x balanced audio connector 1 x unbalanced audio connector 1 x programmable open collector (OC) output
	digital inputs	8
	SD card reader	yes
	Ethernet connector	yes (10/100/1000Base-T)
	USB 3.0 ports	2
	housing	aluminum
	power consumption	max. 10W
	weight	0.45kg
	dimensions	width: 170mm height: 130mm depth: 33mm

* – the set includes a DVI-D → HDMI cable

"Art-Net™ Designed by and Copyright Artistic Licence Holdings Ltd"