

Device description

The PX249 is an audio player that replaces the existing PX154 MP3 player.

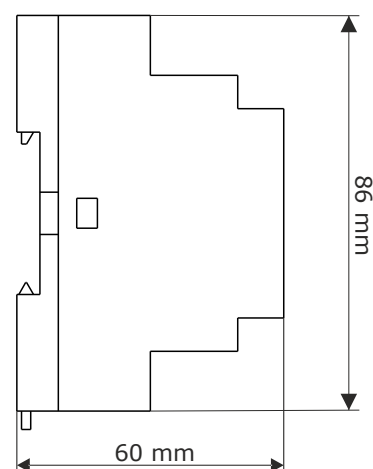
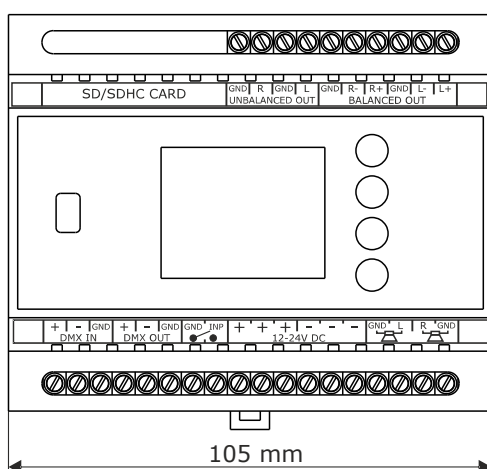
The device can be controlled directly or with the use of any driver operating in the DMX-512 standard. The player can cooperate with DMX devices in 4, 5, 7 or 8 channel modes.

From the firmware version 1.18 on the SD/SDHC memory card you can place 85 or 255 tracks in the main directory on the card in the *.wav format of any length, the only limitation is the capacity of the memory card. In addition, from firmware version 1.18 it is possible to create up to 9 playlists of 85 or 255 tracks each, which gives the possibility to play up to 765 or 2295 tracks.

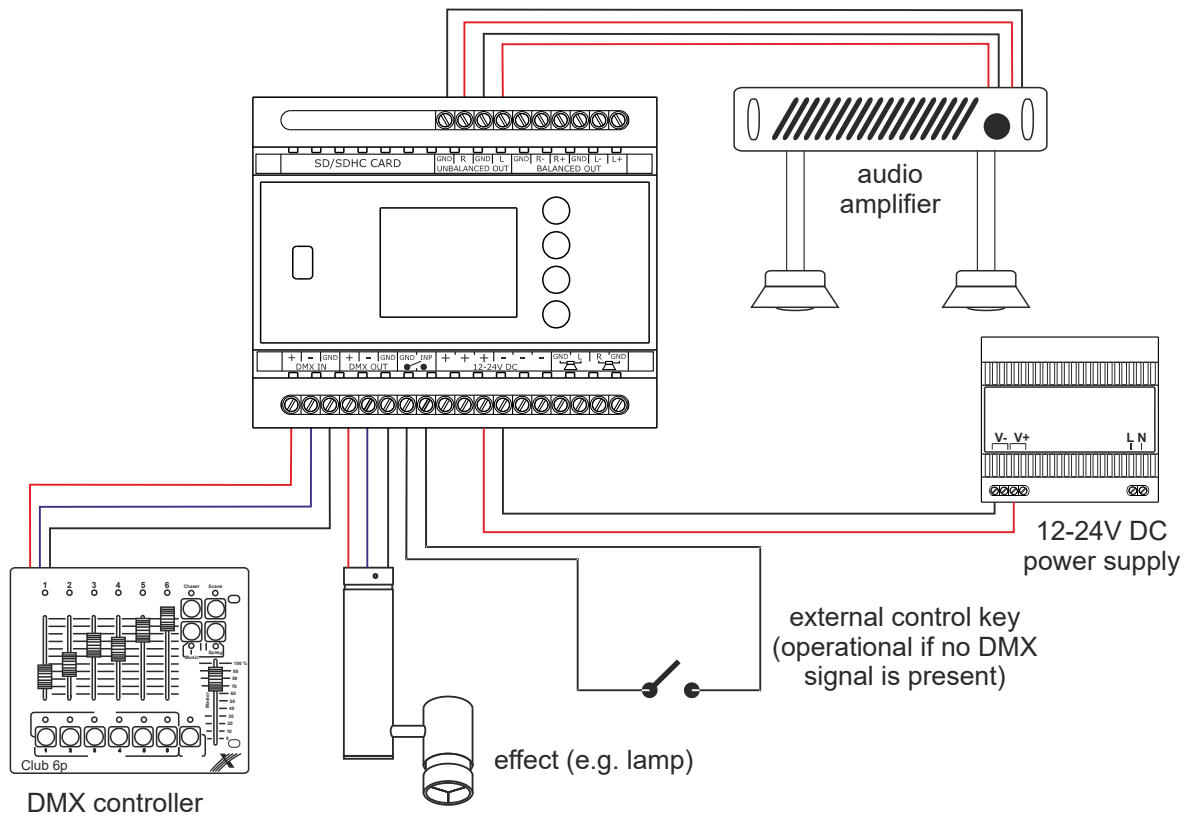
Functions implemented by PX249 using DMX control allow for playback, selection of a particular song, choosing a playlist, looping one and multiple track or random playback of songs, smooth volume control, bass, treble and balance control. Additionally, there is a possibility to connect an external *START* button, which starts playback when the output is short-circuited. Moreover, the menu of the device allows for defining the behavior of the player if no DMX signal is present.

The unit is produced in a housing adapted for mounting on 35mm DIN buses.

Technical drawing



Connection diagram



Technical data

type	PX249
power supply	12 – 24V DC
control	DMX-512
DMX channels	4, 5, 7 or 8
supported file formats	WAV (16 bit)
number of supported tracks	up to 2295* (in 9 playlists)
supported media storage	SD/SDHC card
power amplifier output degree	class D
amplifier power	2 x 12W (for 4 Ohms load and 24V DC)
amplification	20dB
transmitted frequency band	42Hz – 21kHz
sampling rate	8kHz, 16kHz, 22.05kHz, 32kHz, 44.1kHz, 48kHz
load impedance	4 or 8 Ohms
types of audio outputs	symmetrical, unsymmetrical and loudspeaker
color screen resolution	128 x 160px (1,8")
total power consumption	max. 1,3A (for 24V DC)
power consumption	max. 32W
weight	0.2kg
dimensions	width: 105mm (6 DIN rail modules) height: 86mm depth: 60mm

* - from the firmware version 1.18