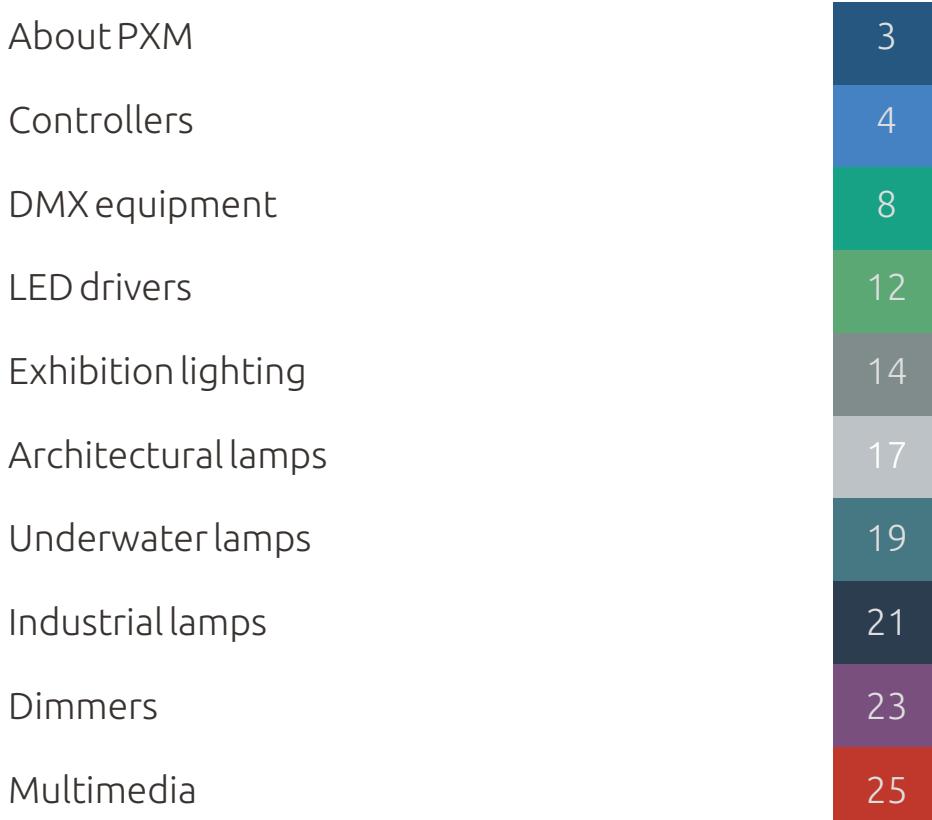




A faint, light gray background image of a complex printed circuit board (PCB) with numerous tracks, components, and surface-mount technology (SMT) pads, creating a technical and electronic theme.

Light
control
systems

catalog
2016-2017



PXM company was established by a team of electronic engineers in 1991 under the name of PROXIMA. The company's goal was to design and produce the stage and disco lighting controllers, make the installations and distribute the products of foreign companies.

Since 1999, the company began to gradually change the profile, giving up the installation and distribution of third party products. Since 2001, we only deal with designing and manufacturing our own devices. Seeking both new technologies and different applications of manufactured equipment, in 2004 PROXIMA was the first Polish company to develop and introduce LED control system based on DMX-512 protocol.

In 2008 the company name was changed to PXM. At the beginning of 2016 the company moved to a modern headquarters in the Special Economic Zone in Niepołomice.

Today PXM consists of production, design department, measurement stands and laboratories. We offer dimmers, controllers, signal converters, LED drivers and LED lamps. Our devices are used in museum lighting, architectural illumination, highlighting fountains and plants lighting.

Our products are working in the National Museum in Warsaw, the Wieliczka Salt Mine and many others.



Controllers

PX333 Mini DMX Controller



Small driver designed for simple applications. It sends 64 channels in DMX-512 standard. In addition, it has 3 OC outputs with load carrying capacity of 1500mA each, allowing for direct control, e.g. LED strips.

It is equipped with 8 integrated ON/OFF inputs, to which you can assign the appropriate call to action and LAN connector, which allows you to communicate with your computer or mobile devices.

Device management is available on PCs with running Windows (XP or later), Linux (Debian and Ubuntu) and OS X and for smartphones with Android and iPhones. The applications have an intuitive interface and allow for complete configuration and control of the device.

In the configuration, you can create 16 areas, 32 scenes, 8 programs and 16 lists of elements. It is also possible to activate the users' accounts with restricted access level to the device.

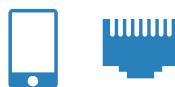
The controller also supports Modbus protocol for easier integration with other control systems.

Parameters

DMX output channels	64
ON/OFF inputs	8
OC outputs	3
Modbus support	TAK
zones	16
scenes	32
programs	8



PX387 SwitchDimm DMX Controller



Small DMX controller dedicated to work with PX314 dimmer as expanding module, but it may also be used separately.

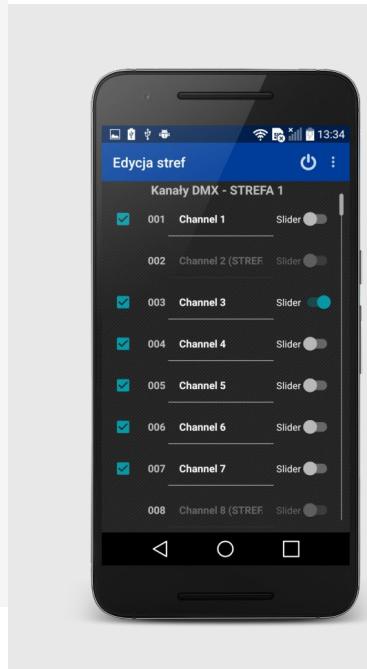
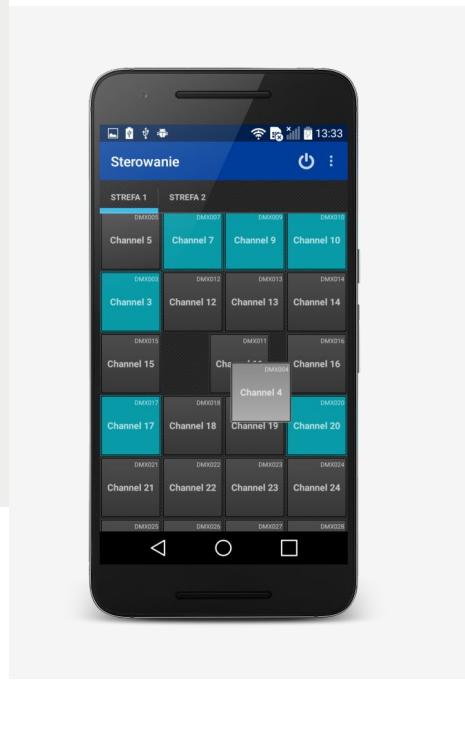
The device has 512 DMX output channels, that can be controlled in a switch mode (ON/OFF) or dimmable with the slider. It supports realtime output values monitoring. Creating configuration and device control is possible via dedicated mobile app for Android™ OS.

The software allows creating up to 16 zones and correlate output channels to them. The order and size of channels buttons are adjustable.

There are two accounts, that have different permissions, in the controller: administrator and user.

Parameters

DMX output channels	512
zones	16
scenes	-
programs	-



PX181 TouchPanel



The touch panel dedicated to cooperation with PX140+ controller (now replaced with PX340).

It has a colour screen with a diagonal of 5". It allows you to create multiple desktops and deploy buttons, sliders and controls on them. It is possible to protect the device with access password.

In order to create the configuration, the application for the Windows platform (XP or newer) is necessary.



Advanced DMX controllers



PXM offer includes three very advanced DMX-512 controllers: PX345, PX340 and PX710. Comparison of controllers' parameters is shown in the table on the next page.

All controllers are equipped with Ethernet connector and are configured via PC software. The devices have real time clock that can be synchronized with NTP server and astronomical clock that allows to program the events according to sunrise and sunset.

The controllers support the Modbus protocol to ease the integration with other control systems.

PX340 and PX710 are equipped with DMX input and allows to record the input data stream, and play it back later.

For managing the devices there is provided the PC software. There is also available the mobile app for Android™ OS, that allows triggering events.



This is a detailed screenshot of the PXM software interface. The top menu bar includes File, Edit, View, PX340, Settings, Help, and a connection status indicator. Below the menu are toolbars for Settings, Project, Address, Config, and Simulation. The main workspace is divided into several panels: 'Configurations' (Scenes, Programs, Sequences, Delays, Events, Scenarios/Programs groups, Statuses, Smartphone); 'Address' (Find, Mask); 'Config' (Project, Simulation); 'Devices' (List of unnamed groups); 'Effects' (Scene Program Merges, Source: Scene + Scene, Program + Scene, Program + Program, A: Merge, B: Merge2, Light: Wiper & Switch, Other channels); and a 'Control' panel with a color wheel and various sliders. A central timeline at the bottom shows frame numbers 1 through 25. The main plot area displays a complex sequence of light fixture positions and colors over time, with a specific effect highlighted by a blue rectangle.

Comparison

parameter	PX345	PX340	PX710
DMX output channels	128	512	1 024
DMX input channels	-	512	512
ON/OFF inputs	16	16	16
analog inputs	-	4	4
analog outputs	-	2	2
touchpanels support	NO	YES	YES
mobile devices support	YES	YES	YES
Modbus support	YES	YES	YES
scenes	1 024 (200 simultaneously)	1 024 (200 simultaneously)	1 024 (200 simultaneously)
masks	200	200	200
programs	512 (40 simultaneously)	512 (40 simultaneously)	512 (40 simultaneously)
programs' steps	250 000 (1 000/program)	250 000 (1 000/program)	250 000 (1 000/program)
sequences	128	128	128
sequences' steps	10 000	10 000	10 000
statuses	256	256	256
data stream (DMX recording)	NO	YES	YES
internal events	1 024	1 024	1 024
timers	1 024	1 024	1 024
clock events	1 024	1 024	1 024
events' actions	30 000	30 000	30 000
actions' limitations	30 000	30 000	30 000
zones	16	16	32
users (including ADMIN)	4	8	16

Preview

In the first quarter of 2017 we will launch new PX703 TouchPanel. The device will replace current PX181 and will be completely compatible with PX340 and PX710 controllers.

PX703 will be equipped with capacitive display with a resolution of 800x480px. It will also have Ethernet connector, which will be used to connect to the PC and the controllers.

DMX equipment

PX357 GATE 4 DMX



Ethernet network gate converts Art-Net™ signal to four DMX-512 ports. The device has a solid, metal housing protecting against mechanical damage. DMX ports have optical insulation and protection against short circuits and surges.

The device is equipped with a LAN connector working in 10/100BaseTX standard. In addition, there are four LED diodes on the housing of the device, indicating the device operating mode. The gate is powered with a voltage of 230V AC.

In the gate, there are two modes merging HTP and LTP signals. The device comes with the application that allows for viewing the network settings and setting up the output signal parameters, such as: Brake, MAB, MBF, WAIT and the number of transmitted DMX channels.



PX235 0-10V/DMX Interface 8ch



The advanced converter allows you to receive data with 8 analogue inputs of 0–10V and DMX inputs and their conversion to DMX output signal. The device allows you to select DMX channel, to which the processed signal will be sent.

The colour display makes it easy to operate the device and monitor its status. In addition, the device has the integrated module to operate the wind sensor. It allows you to convert the impulse signal to DMX.

The device also has the output of OC type (Open Collector), which allows you to signal the certain statuses in the form of alarms.

The device has an integrated output of 10V, which can power the analogue sensors such as e.g. potentiometers or photometers. USB connector allows you to communicate with your computer and update PX235 software.

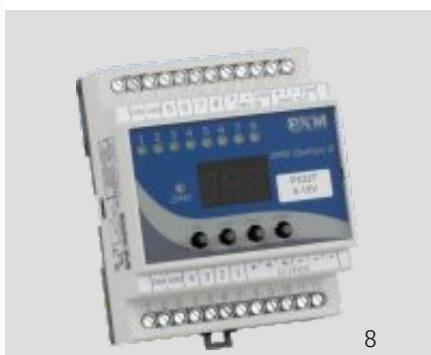
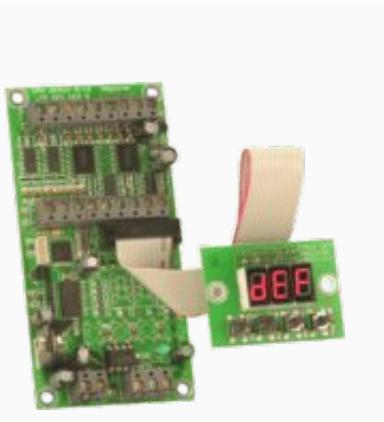


DMX/0-10V Interface

PXM also offers 3 devices to convert DMX signal to the analogue signal of 0-10V. Apart from simple DMX signal decoding, the device provides the possibility to select the drive characteristics and program the response to the disappearance of DMX signal.

The devices have different number of outputs and different types of housing.

device	output channels	housing
PX060	8	none
PX227	8	for DIN T-35 rail
PX385	1	metal



PX292 DMX/4-20mA Interface

PX292 is used to process DMX-512 signal to 4-20mA current drive. The devices are produced in the housing for mounting on DIN T-35 rail.

The converter allows for programming the response to the disappearance of DMX signal and setting the individual parameters for each of the eight channels.



PX232 DMX/Relay Interface 1ch

The relay is driven with DMX-512 signal. It is used to include the effects of stage or architectural illumination with DMX-512 signal. The module has integrated hysteresis, which eliminates the phenomenon of vibration of the relay contacts. The device is produced in the housing for mounting on DIN T-35 rails, and is powered directly from the network of 230VAC.



PX257-RE DMX/Relay Interface 8ch

PX257-OC DMX/OC Interface 8ch

The set of 8 relays for controlling ON/OFF outputs. It is produced in two versions: OC and RE. The OC version of the device has digital electronic connectors of DC with a maximum voltage of 24V DC and load of switching one circuit of 1.3A. The RE version of the device has mechanical relays.

The device's menu allows you to program DMX address for all output channels. The devices are produced for mounting on DIN T-35 rail.



PX175 DMX/DALI Interface

DMX signal converter to DALI. It allows you to connect, in accordance with the standards, up to 64 DALI devices.

The converter's menu allows for any addressing of individual lamps or groups of devices. In addition, you can define a number of parameters for each of the lamps. Through PX175, you can also select the response to the disappearance of DMX signal. The devices are produced for mounting on DIN T-35 rail.



PX255 DMX/DALI/DMX Interface

The advanced converter of DMX signal to DALI and DALI to DMX. In accordance with the DALI standard, up to 64 DALI devices (e.g. ballasts) can be connected to PX255. The device can also convert the driving signal in the opposite direction: from DALI driver to DMX receiving devices. The converter's menu allows for any addressing of individual lamps or groups of the devices (maximum 16). In addition, you can define a number of individual parameters for each of the lamps.

The devices are produced for mounting on DIN T-35 rail.



DMX SPLITTER

DMX line splitter allows you to create branches in the large-scale systems. By using the splitter, you can split DMX input signal into 6 independent branches. Individual output tracks are galvanically and optically isolated both from input and each other, and properly strengthened to guarantee the correct operation of the entire system.

The device is produced in 2 versions.

device	outputs	housing
PX094	6	19"
PX165	6	for DIN T-35 rail



DMX MERGER

Merger is the device that enables the aggregation of 2 DMX lines. It allows you to select the start address and the amount of collected channels from each input, independently and in the way of the aggregation of the lines.

The device is produced in 2 versions.

device	inputs/outputs	housing
PX113	2/2	19"
PX173	2/2	for DIN T-35 rail



PX097 DMX REPEATER

The amplifier and the splitter of DMX signal. It allows you to attach further 32 receivers and increase the length of the line. It has optical insulation between input and two outputs.



PX218 RDM CONTROLLER



PX218 allows you to monitor the status and change the settings of the devices equipped with support to the RDM protocol, connected to the DMX system.

The RDM protocol (Remote Device Management) is the extension of the DMX512 protocol, which allows you to send information in both directions.

Input and output in DMX-512 standard are used to connect to DMX network. PX218 operation management is done using the applications on the Windows platform via a USB port. The application allows you to search for RDM devices in DMX network, view the status and set the parameters of the selected device. PX218 is closed in a damage-resistant, metal housing and powered from the computer via a USB port.



PX245 SOUND TO LIGHT



The audio signal converter to DMX-512 is designed to synchronize the music with the lighting control.

The device is equipped with a colour display, which makes programming and control activities intuitive.

PX245 can be driven via DMX signals, through ON/OFF outputs or operate by itself. The user has access to 16 fully programmable configurations, to which it can also freely change the parameters of the audio signal processing.

The software for configuration setting on the device from the computer is provided with the device.

The converter is closed in the plastic housing for mounting on a DIN T-35 rail.



PX151 DMX/RS-232 Interface

The converter of DMX-512 driving signal to the RS232 protocol.

It allows for driving the multimedia devices by converting DMX-512 input signal to the RS232 protocol.

The final product is prepared according to the individual customer requirements to properly cooperate with the final device.



PX300 CT SENSOR

CT Sensor is used to measure brightness and colour temperature in the range from 2500K to 6000K. The measured values can be sent by using the DMX-512 or RS-485 protocols to other devices.

The device allows to adaptively drive the lamps equipped with adjustment of colour temperature of the emitted light depending on the ambient light.

The device is closed in the sealed IP65 housing.



ACCESSORIES

device	description
PX313 USB/RS-485 Interface	USB to RS-485 converter for upgrading and configuring devices via USB
PY506 ANEMOMETR	wind sensor dedicated to work with PX235
PY500 REMOTE CONTROLLER RADIO 4	4-channels radio remote controller
PY502 REMOTE CONTROLLER RADIO 8	8-channels radio remote controller
PY504 ACCESS POINT 1	Wi-Fi access point 1xLAN
PY505 ACCESS POINT 4	Wi-Fi access point 4xLAN

LED drivers

The PXM offer includes a wide range of LED drivers, both current and voltage. The devices differ in the number, load capacity of outputs and supply voltage. There are also two types of housing:

- plastic for DIN T-35 rail to be used in the switchboards,
- metal to be integrated.

Comparison of all drivers is presented in the tables on the next page.

All drivers equipped with the display have an intuitive menu that allows you to set the parameters for the entire device, or the individual parameters of each channel.

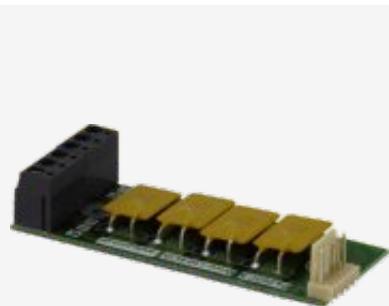
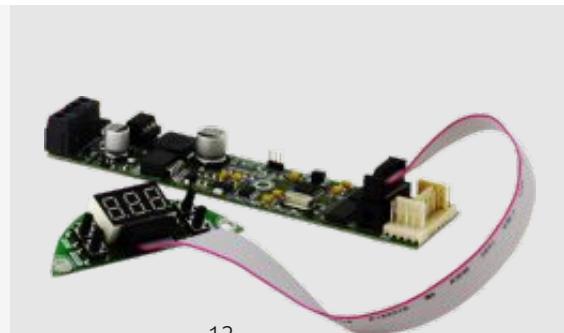
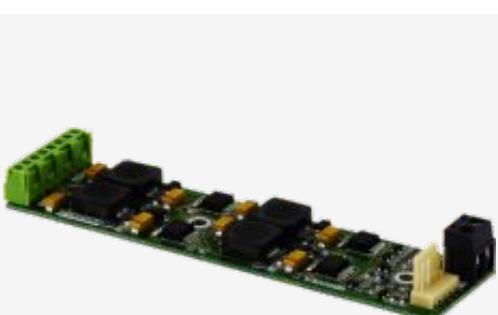
PX178 and PX186 drivers are equipped with color display and USB connector that allows firmware upgrade. Those two models are more advanced, they have real time clock and astronomical clock.



PX265 MX System

In addition, the offer includes PX265 MX System driver, which is supplied in the OEM version to allow further building-in to the end user. The driver consists of the modules, which, if properly combined, create the current or voltage driver, or both. Integrated DMX receiver allows you to drive 12 channels directly with the DMX protocol.

element designation	description
-DMX	DMX receiver
-DISR	display with buttons
-DRVU	voltage driver
-DRVI	current driver



current

device	outputs	outputs' load	power supply	housing
PX319	1	2A	12-48V	metal
PX215	3	350mA	12-48V	for DIN T-35 rail
PX305	3	350mA	12-24V	metal
PX184	3	700mA	12-48V	for DIN T-35 rail
PX307	3	700mA	12-24V	metal
PX308	3	350mA	24-48V	metal
PX241	4	350mA	12-48V	for DIN T-35 rail
PX211	4	700mA	12-48V	for DIN T-35 rail
PX714	4	350mA	12-48V	metal
PX715	4	700mA	12-48V	metal
PX252	6	350mA	12-48V	for DIN T-35 rail
PX186	6	700mA	12-48V	for DIN T-35 rail
PX268	12	350mA	12V	for DIN T-35 rail

voltage

device	outputs	outputs' load	power supply	housing
PX342	1	10A	12-24V	For DIN T-35 rail
PX254	3	6A	7-24V	metal
PX282	3	6A	12-24V	for DIN T-35 rail
PX370	4	5A	7-24V	metal
PX178	6	7,5A	12-24V	for DIN T-35 rail
PX163	48	700mA	12-24V	metal

PX271 Splitter LED 12

It is used to create complex systems containing PX167 and PX203 lamps.

Due to its application to a single driver, you can comfortably connect up to 12 lamps by using RJ-45 connectors.



Exhibition lighting

PxArt is a complete museum lighting system mounted on the busbars GLOBAL TRAC CONTROL PULSE ®, driven with a DMX-512 signal. The system includes lamps, audio players, splitter, programmer, busbars and all accessories needed for connection and power supply.

Lamps with controlled color temperature

The PXM offer includes 3 LED illuminators with variable colour temperature of emitted light: six-, twelve- and eighteen-led.

Due to application of the latest solid-state light sources LED SSL and the advanced driving electronics, the lamps meet very high demands on the museum and exposition lighting.

The illuminators are characterized by a total absence of ultraviolet radiation and trace amounts of infrared radiation, as shown in the chart on the next page.

The lamps have very high colour rendering index CRI - min. 90. The colour temperature of the emitted light can be continuously adjustable in the range of 2700-4500K.

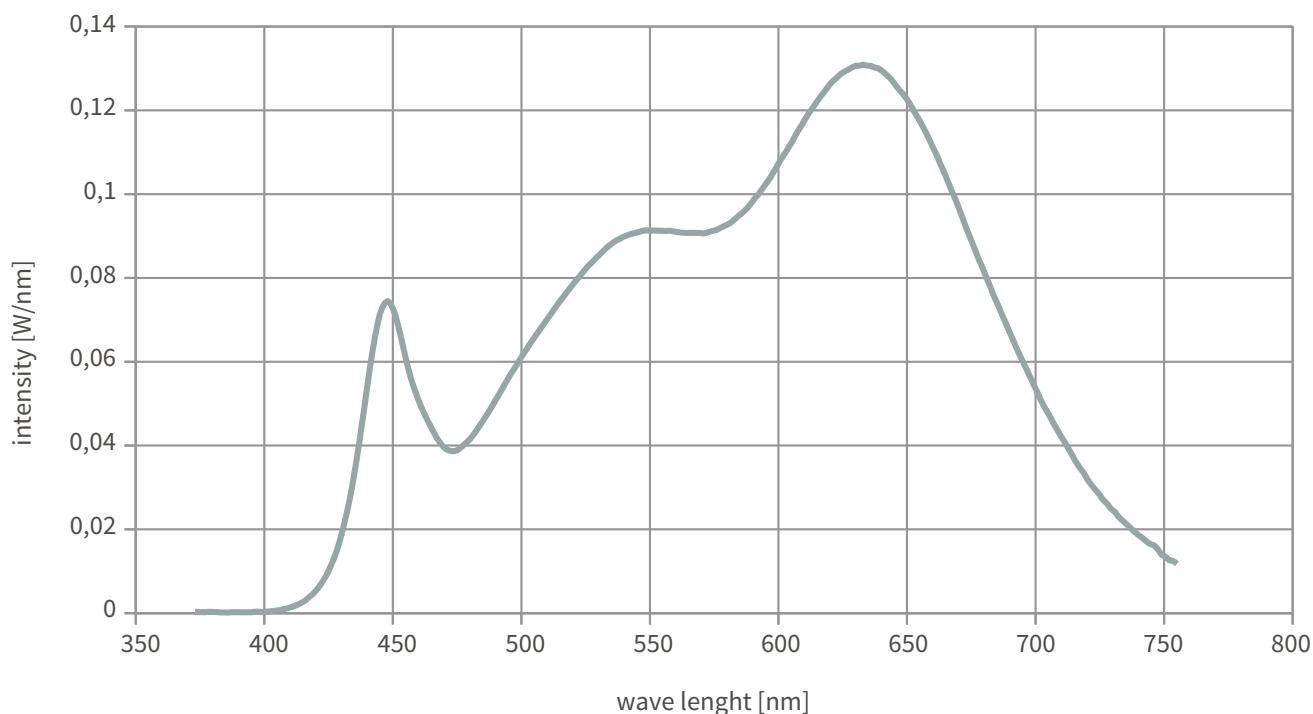
The devices are also characterized by high brightness and low energy consumption. The lamps have efficient passive cooling, so that they do not disturb silence in museum premises. Each lamp has two individual addresses which allow for independent adjustment of brightness and colour temperature. Due to the buttons placed on the lamp housing, you can also control it manually.

Parameters	
CCT range (K)	2700-4500
CRI (min.)	90
lenses	10°, 20°, 30°, 40° eliptical 10°x45° wall washer* 50°x110°
*tylko PX391 i PX392	
housing colors	black, white, gray

device	LEDs	brightness ((lm))
PX390	6	600
PX391	12	1200
PX392	18	1800

The lamps are also available in monochromatic version, that have almost twice the brightness.





Lamps with constant color temperature



The offer includes also 3 monochromatic illuminators available in several colour temperatures. The lamps have adjustable brightness.

PX389 PxArt+ 3 is the smallest lamp in the series. It has 3 powerful LEDs under a common lens. Available lens angles: 10°, 22°, 40°.

PX393 PxArt+ Mono lamp has a replaceable reflector. Available reflector angles 15°, 36°, 51°.

PX378 PxArt+ Frame lamp has an advanced optical system enabling a very precise framing of the light.



Version	CRI (min.)	CCT (K)	brightness (lm)
PX378 i PX393			bez systemu optycznego
-X30	95	3000	1090
-930	90	3000	1850
-950	90	5000	2215
-830	80	3000	2385
-850	80	5000	2420
PX389			
-930	90	3000	540
-850	80	5000	680

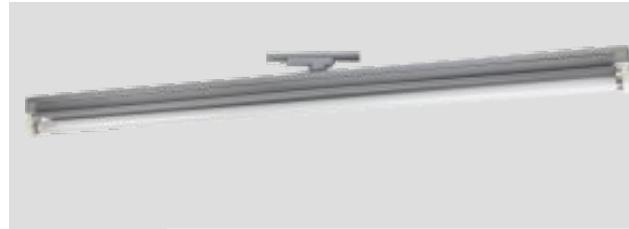


PX372 PxArt+ Fluo

PxArt Fluo lamp allows you to use line fluorescent lamps in the exhibition lighting.

It is the only fluorescent lamp in PxArt series. The model has an integrated DMX-512 signal receiver, which allows you to smoothly adjust brightness of the installed fluorescent lamp (ranging from 5 to 100%) and switch on and off lights.

The device operating parameters can be programmed with an external PX277 configurator.



PX348 PxArt+ Audio

PxArt Audio is the sound system designed to be mounted on the busbar. The device consists of a speaker, an amplifier and a WAV file player.

PX348 allows you to play audio tracks anywhere in the room equipped with the busbar system without the need for additional system. The system can be driven with any driver operating in DMX-512 standard.

The functions carried out by PX348 by using DMX driver allow you to play records, select a particular record, looping single and many records, smooth volume control. By using PX277 (PxArt Controller Settings), you can set all parameters of the device.



PX295 PxArt+ Splitter DMX

DMX splitter allows you to create branches in the large-scale DMX systems. With a large number of receivers, connecting them in series can be difficult; therefore, there is possibility to create branches. If you use triangle or cross connector to create branches of the busbar, use PX295 splitter.

By using PX295, you can split DMX-512 input signal into 3 independent lines. In order to avoid disruptions in the busbar, use the splitter of more than 20 receivers on single DMX line. Individual output tracks are galvanically isolated both from input and each other, and properly strengthened to guarantee the correct operation of the entire system.

The splitter is produced in the metal housing equipped with the adapter allowing for quick installation to the busbar.



PX277 PxArt+ Settings Controller

The programmer of the devices of PxArt series. It allows you to change DMX address, define the response in case of loss of DMX signal and setting and viewing other parameters, depending on the type of the device.



Architectural lamps

PxSpot

Small lamps for illumination of interiors and architectural details.

The devices use 3 powerful LED OSRAM OSLON®.

In order to drive PX167 and PX203 lamps, use current drivers, 350 and 700mA respectively. The cables of the lamps are terminated with RJ-45 connectors and can be combined with PX271 splitter. In order to drive PX350 and PX351 lamps, use voltage drivers.



Device	power supply control	available colors	lens angle	housing color
PX167	current 350mA	RGB, monochromatic	10°, 22°, 40°	silver
PX203	current 700mA	RGB, monochromatic	10°, 22°, 40°	black
PX350	voltage 12V	white: warm, neutral or cold	10°, 22°, 40°	silver
PX351	voltage 12V	white: warm, neutral or cold	10°, 22°, 40°	black

PX294 PxLine Mini

PxLine Mini is a LED lamp to illuminate the exposition and architectural details, powered by 12V DC. It is the smallest of the lamps of PxLine series. The model has neither the integrated DMX driver nor the adapter. The maximum power of the entire lamp is 24 W for the version equipped with 18 LEDs.

The lamp is closed in the aluminium housing equipped with a 2m cable. The fixing of the lamp is sold separately and matched according to the customer's requirements.



Parameters	
available colors	white: warm, neutral or cold
lens angle	16°, 23°, 45°, elliptical 45° x 20°
power supply/control	voltage 12V

LEDs	length (mm)	max. power consumption (W)	brightness (lm)
6	355	8	700
12	655	16	1400
18	955	24	2100

Preview

In the first quarter of 2017 we will launch new architectural lamps series. It will be modular system allowing to configure the lamps in set of 4x3LED, 2x6LED or 1x12LED. Lamps will be controlled wireless.

PxGround

Two in-ground lamps: PX318 equipped with 12 LEDs (in 4x3 system) - each LED under separate lens and PX361 equipped in 24 LEDs (in 6x4 system) - 4 LEDs under common lens.

The lamps use the cover against reflection. The device is able to change the angle of inclination of the LED module inside the lamp without having to move the entire housing, which allows you to direct the light independently (within $\pm 10^\circ$) of the mounted housing.

The housing is made of 1.4404 stainless steel.

PX318 lamp require voltage LED driver. PX361 has built-in DMX receiver and supports RDM protocol.



Parameter	PX318	PX361
power supply/control	voltage 24V	24V / DMX512, DMX-RDM
LEDs	12 (4x3)	24 (6x4)
available colors	RGB, WNC	RGBW
lens angle	6°, 14°, 28°, 47°	20°, 35°

PX298 PxDuo 2x3 12V

The lamp is designed to light interiors and exterior architectural details, and it uses six high-power LEDs OSRAM Oslon in the following manner: 3 LEDs illuminating down and 3 LEDs illuminating up.

The device is supplied with the junction box and the bracket for wall mounting. In order to drive the lamp, use the voltage drive or AC voltage of 12V DC.

Parameter	
available colors	white: warm, neutral or cold
lens angle	10°, 22°, 40°
power supply/control	voltage 12V



Underwater lamps

PxAqua

Underwater lamps series with IP68 housings. High-quality LEDs used in the devices provides high brightness at low power consumption. When working underwater, lamps in bronze housing may be powered with current 700mA, which allow to use their full brightness.

Lamps are produced on order with chosen LEDs colors and lens angles.

PxAqua series includes small current and voltage lamps in stainless steel housing and big current lamps in bronze housing.



stainless steel housing

Device	LEDs	power supply control	lens angle	available colors	assembly
PX278	3	current	10°, 25°, 45°	RGB, monochromatic	inground
PX291	3	voltage 12V	10°, 22°, 40°	white: warm, neutral or cold	inground
PX284	3	voltage 12V	10°, 22°, 40°	white: warm, neutral or cold	holder
PX229	3	current	10°, 25°, 45°	RGB, monochromatic	holder/tube
PX373	6	voltage 12V	10°, 25°, 50° elliptical 35° x 12°	white: warm, neutral or cold	holder

Voltage lamps (PX291, PX284 i PX373) are available only with white LEDs (warm, neutral or cold). Other lamps are available in monochromatic version in selected color or in RGB version. PX284 and PX291 lamps are available with „honeycomb” cover. Additional reflection protection is available to PX284 lamps.



bronze housing

Device	LEDs	power supply control	lens angle	available colors
PX223	6	current	10°, 25°, 45°	RGB, monochromatic
PX225	12	current	10°, 25°, 45°	RGB, RGBW, monochromatic
PX224	18	current	10°, 25°, 45°	RGB, monochromatic



PxRing

PxRing series includes the underwater lamps in the housing with a central opening for a nozzle. The models differ in terms of the housing material and the number of LEDs.

Device	LEDs	power supply control	lens angle	available colors	housing material
PX238	12	current	10°, 25°, 45°	RGB, RGBW, monochromatic	bronze
PX712	12	current	10°, 25°, 45°	RGB, RGBW, monochromatic	stainless steel
PX201	18	current	10°, 25°, 45°	RGB, monochromatic	bronze

PX244 PxCombo

The underwater set consisting of 6 RGB lamps, WPS valve and a nozzle.

The device has 18 LEDs in 6x3 system. PX244 lamp is designed for mounting in fountains, in the places requiring high brightness.

High-quality LUXEON® Rebel LED provides bright light at low power consumption. The lens angle can be chosen. The lamps are powered by current of 3x350 mA.

The lamp and WPS valve were made in the leakage class of IP68. The faceplate and the housing are made of steel, while the nozzle is made of bronze, which protects against external aggressions and allows for long-term operation in water. Some parts of WPS valve are also made of PVC. The valve itself allows you to set the operation cycle in the range from 0.1 s to several hours.



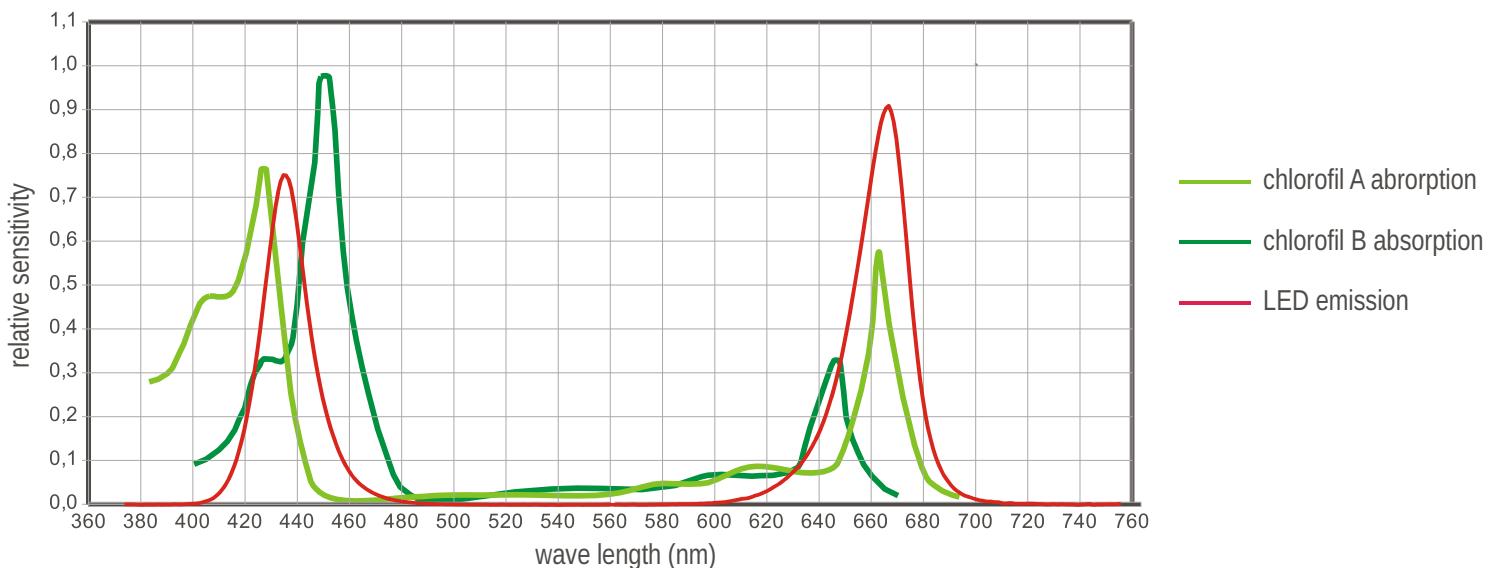
Industrial lamps

PX382 PxCrop+ Line

Lamps from PxCrop series are designed for lighting and stimulating plant growth. The lamps use LEDs with specially selected wavelengths, preferably absorbed by the plants. This allows you to achieve the optimum plant growth effects at extremely low power consumption.

Below, there is a graph comparing the wavelength range absorbed by the plants with the wavelength range emitted by the lamp.

PX382 is the line lamp, which has 30 LEDs (24xR and 6XB). Each colour can be driven independently. The lamp is designed for use in greenhouses. It is closed in the aluminium housing adjusted to be hung over the tables.



PX303 PxCrop mini

PX303 is a small point lamp, which has 3 LEDs (2XR and 1XB) placed under the combined lens. This allows you to achieve uniform mixing of light illuminating the plant. The standard lamp is equipped with a cable of 2m length, terminated with 230V AC power supply and mounting foot.



PxTech

The series of the lamps designed for lighting warehouses, industrial halls, workplaces, communication and evacuation routes.

Possibility of intelligent driving reduces power consumption.

Lamps are available in 4 versions with different kind of LEDs and type of power supply and control. Lamps with Power LEDs are available with 3 different lens angles or with reflector.

Lamps powered with 230V AC are available also in triple version adapted to suspend - each module may be separately tilted.



Parameters

assembly	single on holder single for suspend triple for suspend
housing colors	white, black, gray
beam angle	lens: 10°, 25°, 50°, reflector: 80°
CCT	2700K - 5000K
CRI	80
brightness (1 module)	min. 5500lm



device	power supply	LEDs type	control
PX356	230V AC	Power LED	DMX, DALI, switch
PX717	230V AC	Midpower	DMX, DALI, switch
PX718	24V DC	Power LED	PWM (requires driver)
PX719	24V DC	Midpower	PWM (requires driver)

Dimmers

PX314 AC+ DIMMER 24 x 3600 W



ART
NET
ETHERNET

Professional dimmer of AC class, equipped with a colour touch-screen and LAN interface. The device allows you to control 24 independent channels with a power of 3.6 kW each. The dimmer allows you to control input signals from 6 different sources simultaneously, including:

- 2 DMX-512 lines,
 - 3 Art-Net™ address ports,
 - 24 analogue inputs (optional on request).

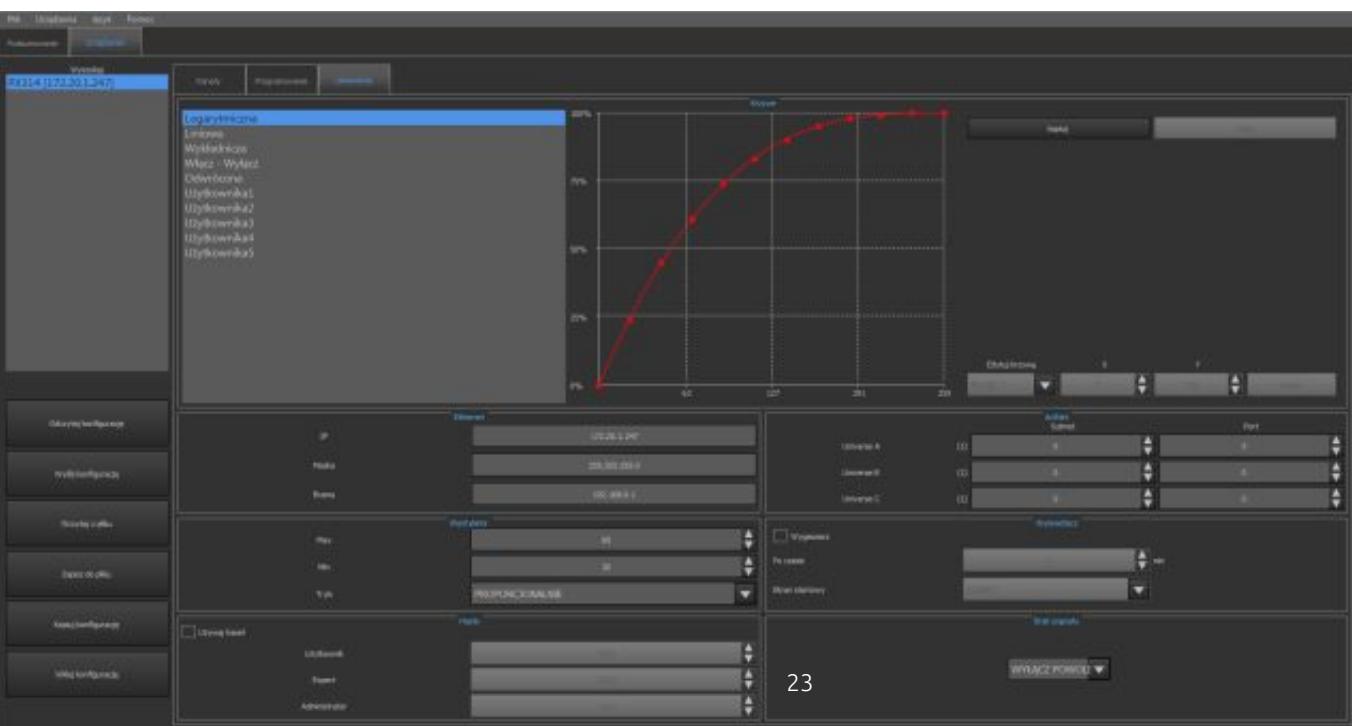
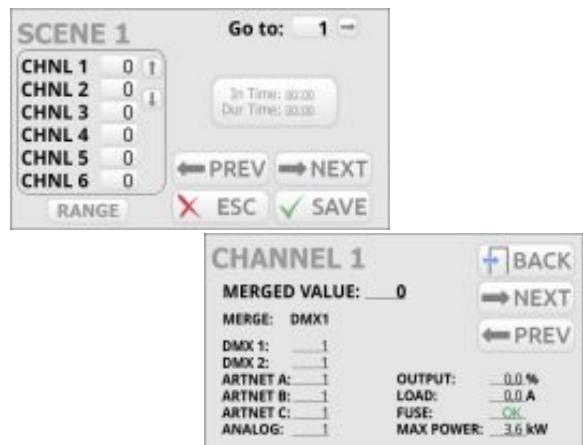
The device has an integrated merger system with a possibility to select one of 13 priorities.

The advanced electronics allow you to address each output channel, select and edit the driving characteristics graphically (5 factory characteristics, 5 user's characteristics).

The dimmer is powered by three phases, and has an integrated system fully protecting against the effects of reverse phases connection. PX314 also enables the setting of limits for voltage and output current for each channel individually. The device is equipped with the bulb heating system (10 levels) and control of the attached fuse and broken circuit/burnt bulb. In addition, the user can define the dimmer response to the lack of the driving signal. In addition to the basic options (ON, OFF, HOLD), 64 scenes and the program are available to be defined.

The integrated "PLL", "soft-start", "soft-on" and "even-off" systems assure reliable operation in the most extreme conditions. Direct detection of zero of the network and optical insulation of DMX input guarantee high resistance to interference.

The colour touch screen and the intuitive menu allow you to configure the parameters and views of the output status. Software for PC allows you to set up and monitor the device over LAN. It is possible to preview multiple dimmers at the same time.



Other dimmers

PXM offers the dimmers of different numbers and load of the circuits, available in several types of the housing.

All dimmers can be powered by three, two or one phase (not applicable to the series of MultiSystem) and have an integrated system, fully protecting against the effects of reverse phrase connection.

The devices allow individual and group setting of the parameters of individual channels:

- DMX address,
- characteristic (linear, reverse, logarithmic, exponential, ON/OFF),
- ACL, which is programmable reducing the output power.

It is also possible to set the device's parameters:

- PREHEAT, i.e. heating the bulb fibres, set in the range of 0 - 10%
- the way of the dimmer reaction to DMX signal disappearance (off, 100% on, slow switching on, one of three scenes chaser).

All dimmers have constant temperature and supply voltage measurement, and the integrated systems: "PLL""soft-start""soft-on" and "even-off", direct detection of zero of the network, optical isolation of DMX input and individual overcurrent protection of each circuit. In addition, LEDs reflect the status of all outputs, and the detector of break in the load circuit allows you to immediately locate the defective bulb or wire.



Device	housing
PX157 MultiSystem Dimmer 1 x 2400 W	for DIN T-35 rail
PX156 MultiSystem Dimmer 2 x1200 W	for DIN T-35 rail
PX155 MultiSystem Dimmer 4 x 600 W	for DIN T-35 rail
PX170 AC Dimmer 6 x 1200 W	for grate mounting
PX091 AC Dimmer 12 x 1200 W	for wall mounting
PX214 AC Dimmer 12 x 2300 W	for wall mounting



Multimedia

PX249 Audio DMX Player



Audio player driven with a DMX-512 signal.

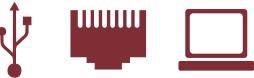
On SD/SDHC memory card, you can put the maximum of 85 tracks in WAVE format of any length; the capacity of the memory card is the only limit. The functions carried out by PX249 by using DMX driver allow you to play records, select a particular record, looping single and many records, smooth volume control, adjust low and high tones and balance. The player can work with the mode with four or seven DMX channels. The device has the following outputs: balanced, unbalanced, and integrated power amplifier of 2x10W.

In addition, it is possible to connect an external START button. The device is equipped with a colour display, which allows you to view the status, and quickly set up the device. The device's menu allows you to define the behaviour of the player in the absence of DMX signal. PX249 is produced in the housing for mounting on DIN T-35 rails.

Parameter

audio output	balanced unbalanced speaker
input	DMX
data storage	SD/SDHC card
amplifier	20dB
supported formats	wav

PX376 HD Multimedia Player



HD video player, controlled with DMX-512 signal. It allows you to play videos in all popular formats.

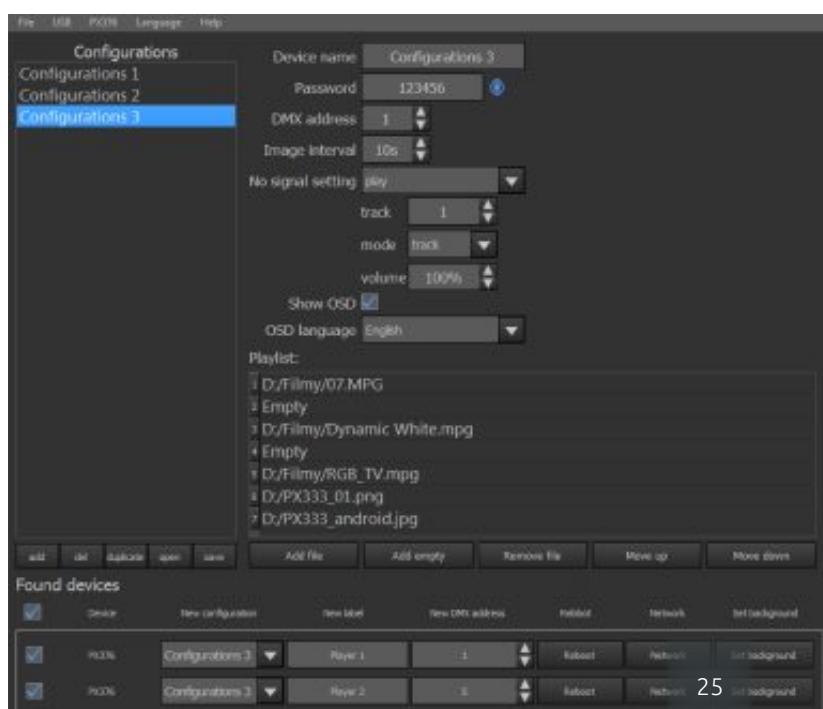
The videos are stored on external USB storage media.

Application on the PC is used to set up the device. It is possible to set the address and define the response to no DMX signal.

The device is closed in a damage-resistant, metal housing with a special cover for connectors.

Parameter

output	HDMI
input	DMX
USB ports	4
quality	Full HD (1920 x 1080p)
supported formats	mkv, avi, mpeg, mp4, ogg, mov, flv, wmv, mpg, mp3, jpg, jpeg, png





www.pxm.pl



PXM
Marek Żupnik spółka komandytowa
Podłęże 654
32-003 Podłęże

tel. +48 12 626 46 92
fax. +48 12 626 46 94
NIP 677-002-54-53
mail: info@pxm.pl