

PX914

Modular Advanced Dimmer

PC application manual



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Manufacturer reserves the right to make modifications in order to improve program operation.

PXM Marek Żupnik sp.k.

Podłęże 654

32-003 Podłęże

BDO register number 000005972

tel. +48 12 385 83 06

mail: info@pxm.pl

www.pxm.pl

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1 Description

The PX914-PC application is used to communicate with the Modular Advanced Dimmer cabinet. From the program level you can:

- display all channels along with their level of control,
- configure individual channels,
- create scenes and one program,
- change the network, Art-Net and sACN settings.

The program is free and comes with the PX914 device.


2 Network settings

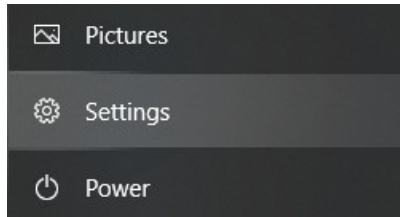
The device allows to set an IP address in any subnet. The default IP address of the device is set according to the Art-Net standard in the subnet 2.0.0.0/8.

2.1 Change of the computer network configuration

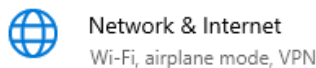
The procedure for changing the computer network configuration varies depending on the operating system. Windows® 10 system is an example here.

Change of the computer network configuration in the Windows® 10 operating system is done in the following:

1. Click **[Start]** 
2. Select **[Settings]** tab

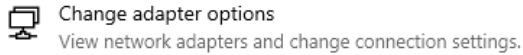


3. Go to **[Network & Internet]** tab

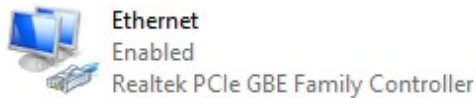


4. Select **[Advanced network settings]**

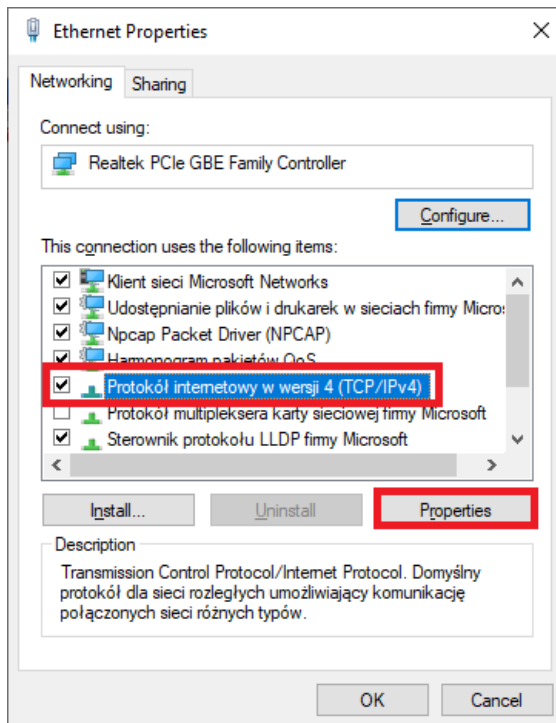
Advanced network settings



5. Right-click on the appropriate connection, for example it could be **[Ethernet]** and select **[Properties]**

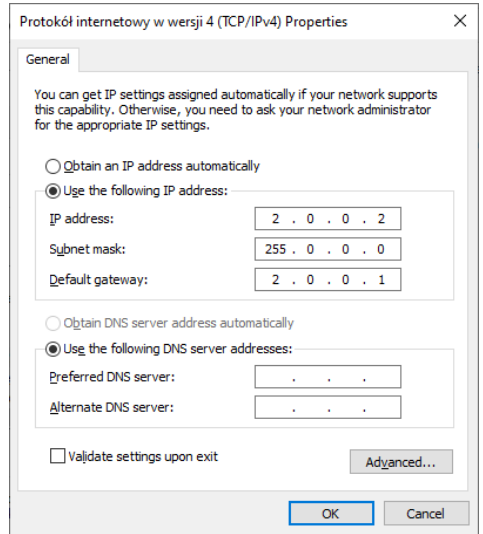


6. In the new window that appears, select **[Internet Protocol Version 4 (TCP/IPv4)]** and then press properties



7. In the next window, select **[Use the following IP address:]** To connect directly (computer – driver) with a controller that has a default configuration, use the sample settings:

IP address: 2.0.0.2
Subnet mask: 255.0.0.0
Default gateway: 2.0.0.1



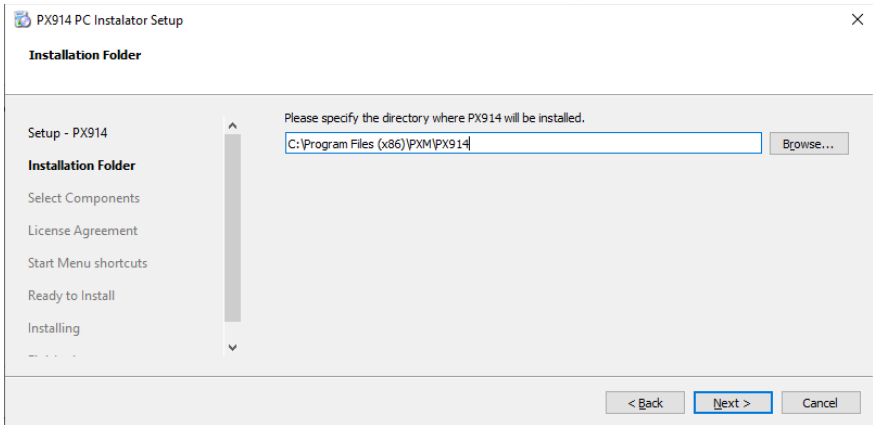
3 Installation

The software can be installed on Windows® 7 or later. The installation procedure may differ depending on your computer's operating system. Windows® 10 is shown as an example.

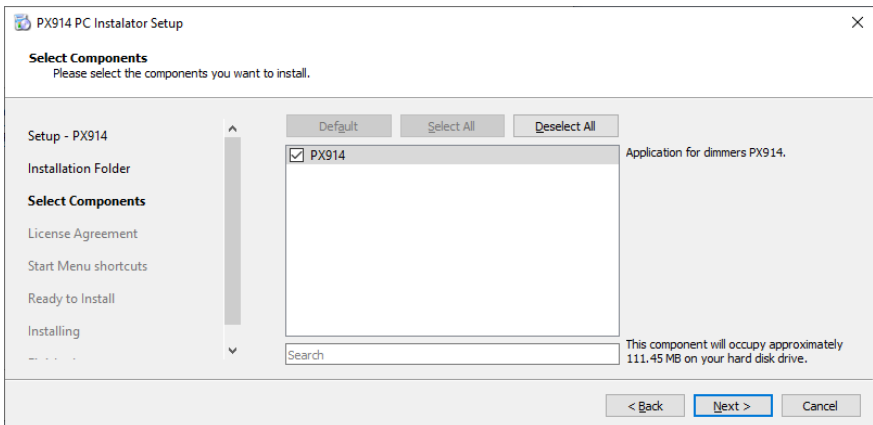
1. Open the PX914 application installation file. Click the **[Next]** button to proceed to the software installation.



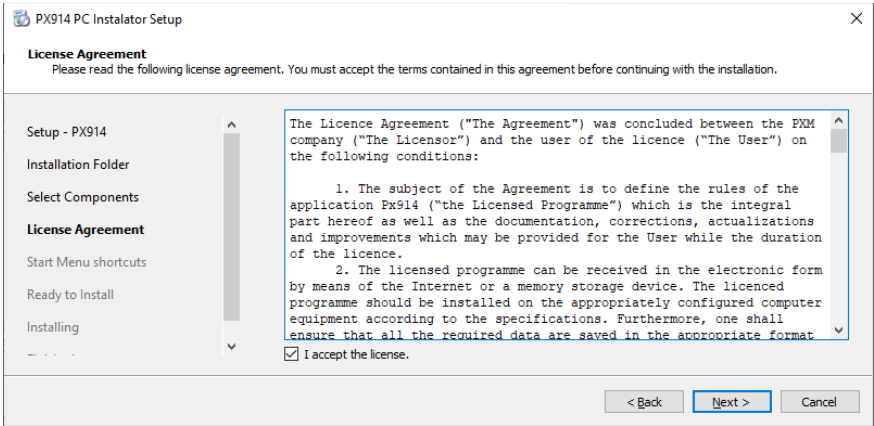
2. Select the directory where the software will be installed, and then confirm by clicking **[Next]**.



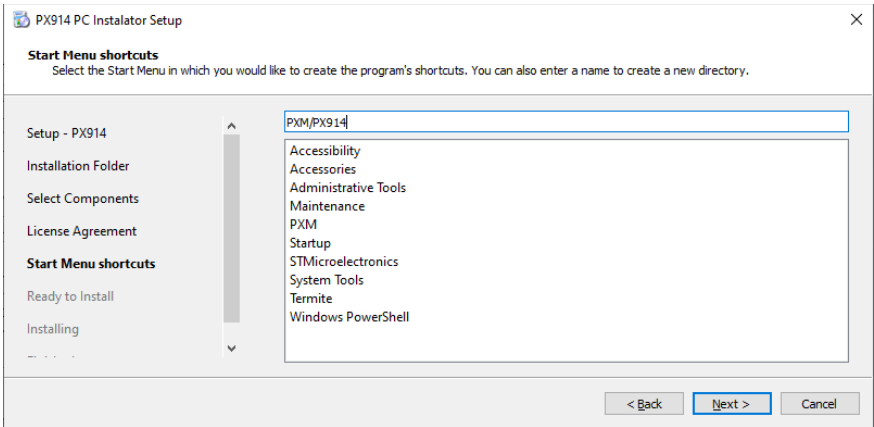
3. Select the components you want to install (PX914), then click **[Next]**.



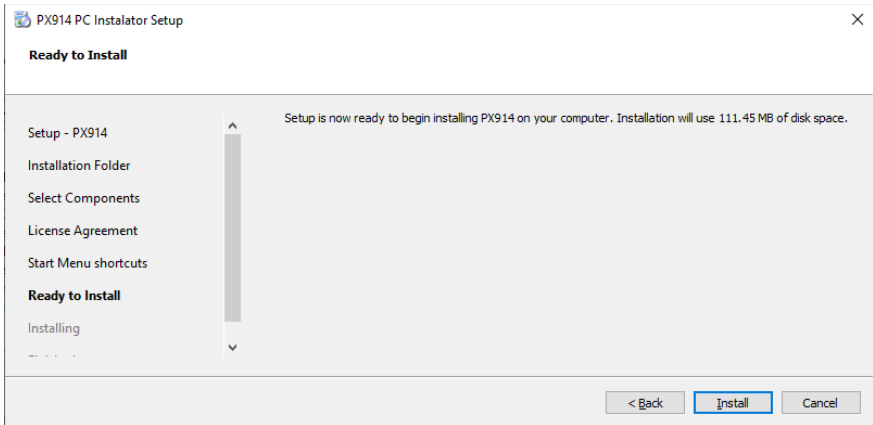
4. Read the license agreement, if you agree to the terms of the agreement, select **[Accept the license.]** and click **[Next]**.



5. Select the start menu where you want to create a program shortcut. You can also change the directory name, then click the **[Next]** button.



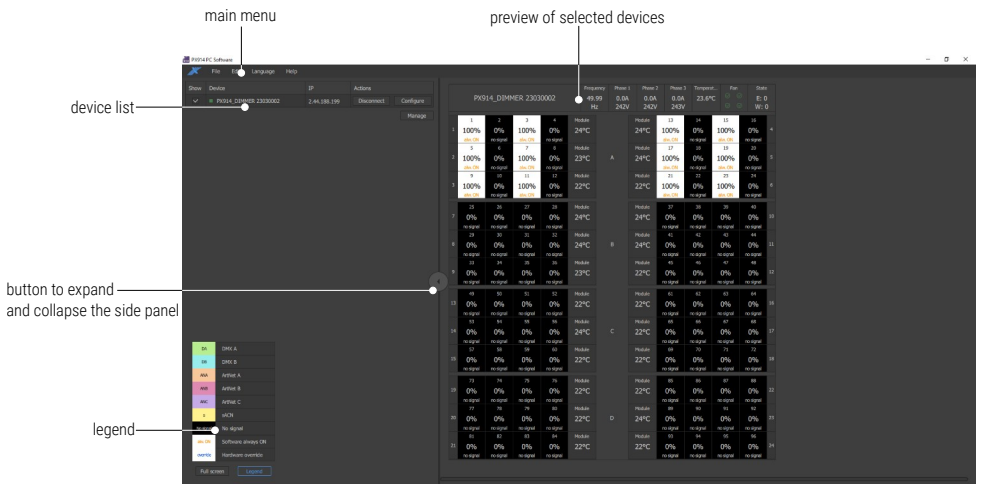
6. The installer will ask if you want to install the software, click **[Install]** if you agree.



7. When the installation completion window appears on the screen, press **[Finish]** to exit the installation wizard.

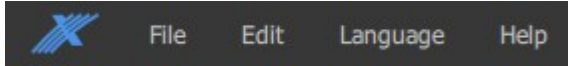


4 The structure and functionality of the application window



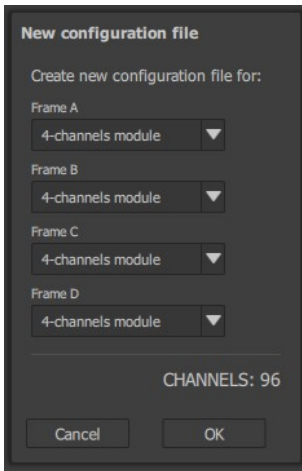
4.1 Main menu

The application menu bar consists of 4 categories:



[File]:

- **New** – creates a new empty offline configuration file and proceeds to edit it. In the configuration file creation window, the user can define the number of channels in individual frames from A to D (4- or 2-channel module).

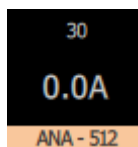
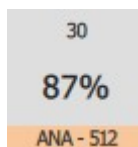
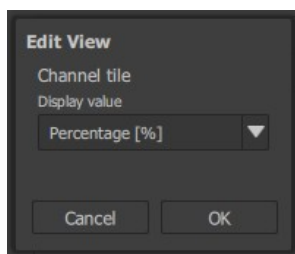


- **Open** – opens the configuration file saved on the local disk and edits it,
- **Save as** – option active only in the configuration window. Saves the currently open configuration to the selected file.
- **Load from PX914** – option active only in the configuration window when connected to the device. Forces configuration re-download.

- **Upload to PX914** – option active only in the configuration window when connected to the device. Sends configuration to PX914.

[Edit]:

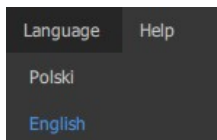
- **Log files** – opens the directory where application logs are saved,
- **View / Preferences** – a tool that allows you to define what is to be displayed on the channel tiles (values in percent or amperes),



- **Channel report** – generating a channel settings report. Option available only in the device configuration window. Creates a *.pdf or *.html file.

[Language]:

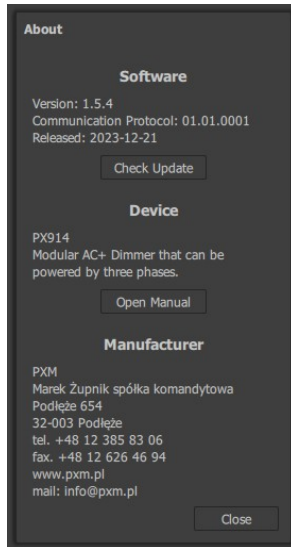
- **Polski** – change the language to Polish,
- **English** – change the language to English.



NOTE! The currently selected language is highlighted in **blue**.


[Help]:

- **About** – opens a window with information about the application and the PXM company, here you can check available updates and open the manual for the device,



- **Manual** – opens a PDF with the application manual,
- **About Qt** – opens a window with information about Qt,
- **Licence** – displays the application license text,
- **Check for updates** – checking for an available program update.

4.2 Device list

The list of devices contains basic information about the device to which the application is connected. To display the IP address and Actions, expand this window by selecting the collapse menu button .

Show	Device	IP	Actions
<input checked="" type="checkbox"/>	■ PX914_DIMMER 23010000	2.0.0.10	<input type="button" value="Disconnect"/> <input type="button" value="Configure"/>
<input type="button" value="Manage"/>			

- **Show** – selecting this option will display the device preview on the right side,
- **Device** – device name,
- **IP** – IP address,
- **Actions**
 - **Connect / Disconnect** – causes displaying the connection window with the dimmer or disconnection,
 - **Configure** – this option allows you to edit advanced PX914 settings – available only when the application is connected to a dimmer,
- **Manage** – opens the device manager window.

In the *Device* column, before the name of the dimmer, there is an indicator that may have the following color:

- **blue** – the device is connected to the application and there are no errors on it,
- **red** – the device is connected and there are any errors or warnings on it,
- **gray** – the device is not connected to the application,
- **graying out the entire row** – the device is not available.

4.3 Legend

The legend is information about the colors of the individual signal sources displayed on the preview.

- **DMX A (DA)**
- **DMX B (DB)**
- **ArtNet A (ANA)**
- **ArtNet B (ANB)**
- **ArtNet C (ANC)**
- **sACN (S)**
- **No signal**
- **Always ON (alw. ON)** – via the application / screen,
- **Hardware override (override)** – activated by a physical switch in the module.

DA	DMX A
DB	DMX B
ANA	ArtNet A
ANB	ArtNet B
ANC	ArtNet C
s	sACN
No signal	No signal
alw. ON	Software always ON
override	Hardware override

Full screen Legend

You can show or hide the legend by clicking the *Legend* button. In addition, the preview window can be displayed in full screen mode by clicking *Full screen* or the *F11* key on the keyboard.

4.4 Device preview

By selecting *Show*, you can display information about the selected device – it is possible to display more than one device in the preview.

PX914_DIMMER	Frequency	Phase 1	Phase 2	Phase 3	Temperature	Fan	State
	50.00 Hz	0.5A 229V	2.0A 225V	0.2A 229V	25.8°C	✓ ✓ ✓ ⚠	E: 4 W: 0

- dimmer name,
- frequency,
- current consumption and voltage on each of the three phases,
- cabinet temperature,
- information about the four main fans:
 - ✓ – the fan is working properly,
 - ⚠ – incorrect operation of the fan,
- state **E** – errors / **W** – warnings.

All errors and warnings occurring in PX914 are displayed as follows.

No errors

State
E:0
W:0

Warning

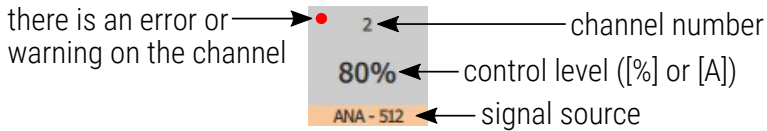
State
E:0
W:1

Error + Warning

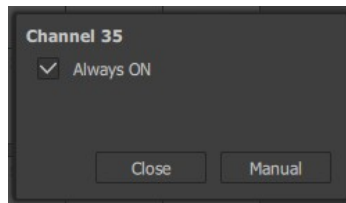
State
E:1
W:1

module number	individual channels				module tiles							
1	1 100% override	2 80% ANA - 512	3 100% alw_ON	4 80% ANA - 512	Module 26°C		Module 26°C	13 100% override	14 80% ANA - 512	15 100% alw_ON	16 80% ANA - 512	4
2	5 100% override	6 80% ANA - 512	7 100% alw_ON	8 80% ANA - 512	Module 26°C	A	Module 26°C	17 100% override	18 80% ANA - 512	19 100% alw_ON	20 80% ANA - 512	5
3	9 100% override	10 80% ANA - 512	11 100% alw_ON	12 80% ANA - 512	Module 26°C		Module 26°C	21 100% override	22 80% ANA - 512	23 100% alw_ON	24 80% ANA - 512	6

4.4.1 Channels tiles



Left-clicking on the tile of the selected channel will open a window where the user can turn on the *Always ON* mode. In the newly opened window, there will also be any errors described on the channel.



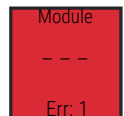
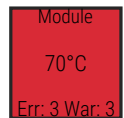
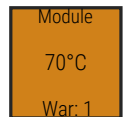
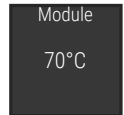
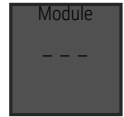
Channel errors and warnings:

- *Fuse missing,*
- *Triac shorted,*
- *Open circuit,*
- *Overload.*

4.4.2 Module tiles

Module tiles can have the following states:

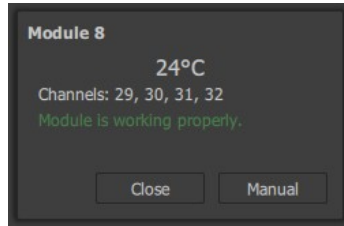
- If the slot is empty, the tile is gray and no information is displayed.
- If the slot is occupied and the module and its channels do not report any errors – the tile is displayed in a standard gray color and gives the current temperature.
- If a module or channels report a warning (but do not report an error) – the tile is displayed in orange and information about the number of warnings is given at the bottom.
- If the module or its channels report an error, the tile is highlighted in red and information about errors or errors and warnings is provided at the bottom.
- If the module reports a temperature sensor error, the tile is highlighted in red, but the temperature is not displayed.



Errors and warnings in modules:

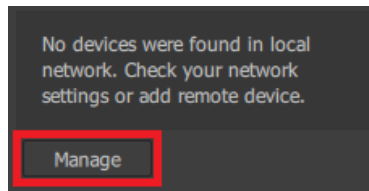
- *No DMX signal,*
- *Module memory error,*
- *Temperature limit exceeded,*
- *Thermistor error,*
- *Module fan error.*

Additionally, clicking on a module tile displays a pop-up window with detailed information.



5 Device manager

To connect to the device, after starting the application, select the *Manage* button on the device list.



After pressing this button, the device manager will be displayed, where you can search for devices in the local network (*Search*), add a remote device (*Add remote*) or return to the main window (*Close*).

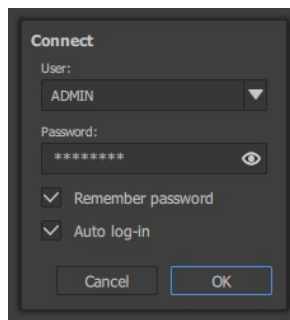


If the device is located in the local network, select the *Search* button. The application will automatically add devices found on the network to the table, which, in addition to the description, also displays such data as:

- serial number,
- IP address,
- mask,
- gate,
- MAC address,
- **FW** – firmware version,
- **BL** – bootloader version,
- **Actions** – moving devices up ▲ and down ▼ in the list and removing them from the table ⓧ.

No.	Device	Serial number	IP	Mask	Gateway	MAC	Protocol	Software	Action
1	PX914_DIMMER_23030002	23030002	2.44.188.199	255.0.0.0	0.0.0.0	70:b3:d5:a1:bcc7	01.01.0001	01.01.0013	▲ ▼ ⓧ

Then return to the main window by clicking the *Close* button. The available devices will be displayed in the device list. By clicking on the selected *Connect* device, a login window will open, where you must select a user and enter a password. Optionally, you can select to remember the password in the application and automatically log in.



The image shows a 'Connect' dialog box with a dark background. It contains the following elements: a 'User:' label with a dropdown menu showing 'ADMIN'; a 'Password:' label with a text input field containing '*****' and a visibility icon; two checked checkboxes labeled 'Remember password' and 'Auto log-in'; and two buttons at the bottom, 'Cancel' and 'OK'.

After connecting to the device, to view channel information, select ✓ next to the selected device.

Show	Device	IP	Actions
<input checked="" type="checkbox"/>	■ PX914_DIMMER 23030002	2.44.188.199	<input type="button" value="Disconnect"/> <input type="button" value="Configure"/>

You can disconnect from the device by clicking the *Disconnect* button.

5.1 Remote device

If the device is outside the local network and the application does not search for it, it is possible to add a remote device by selecting the *Add remote* button.




A window will appear in which you must enter the *IP* address and *Port 1*. By default, *Port 1* is set to 50002.


Add remote

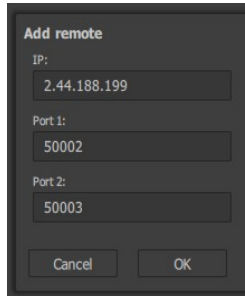
IP:

Port 1:

Port 2:

If the remote connection is successful, the device is added to the table. In the table, a device added as a remote device is marked with an icon  next to its IP address.
















Editing the remote connection is possible by clicking . The user can change the IP address and Ports 1 and 2.



The connection is made in the same way as described in point 5. Device manager.

5.2 Users

The device has three users with different access rights. User passwords can be edited.

	USER	TECHNICIAN	ADMIN
default password	<i>no password</i>	1234	<i>serial number</i>
password requirements	0 – 16 characters	4 – 16 characters	4 – 16 characters
displaying the device in the preview			
change "Always ON" for a channel			
channel configuration			
scene configuration			
configuration settings			

6 Configure

The user can proceed to device configuration by clicking the *Configure* button next to the device they want to edit.

Show	Device	IP	Actions
✓	■ PX914_DIMMER 23010000	2.0.0.10	Disconnect Configure
Manage			

NOTE! This option is only available when the application is connected to the dimmer with a Technician or Administrator account.

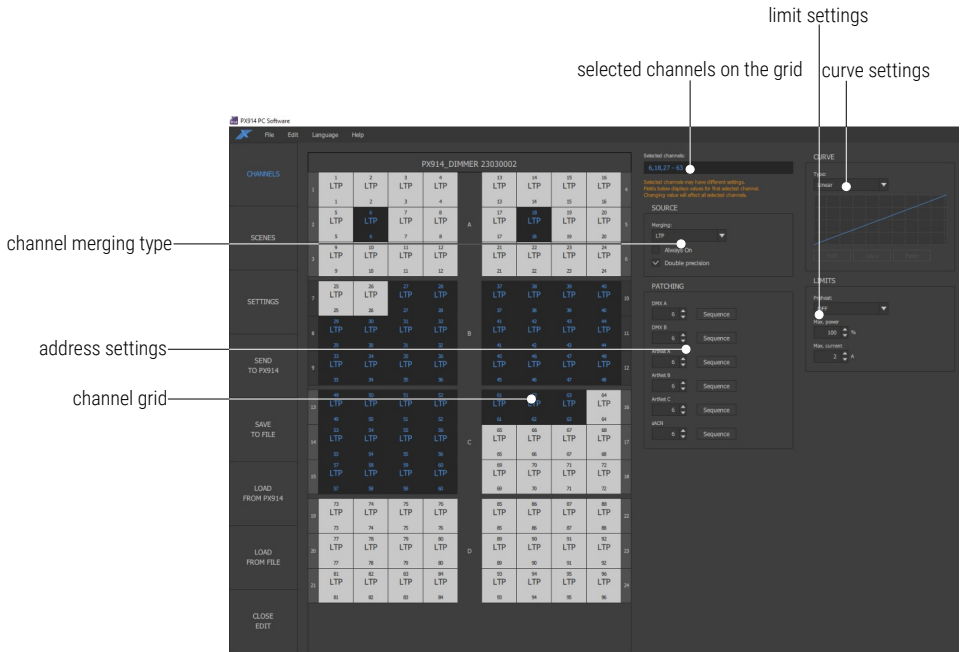
After clicking the *Configuration* button, a window will appear in the application with the following options:

- **CHANNELS** – editing individual channels (6.1. Channels),
- **SCENES** – scenes editing (6.2. Scenes),
- **SETTINGS** – changing PX914 dimmer settings (6.3. Settings),
- **SEND TO PX914** – sends configuration to the device,
- **SAVE TO FILE** – saves the file locally on the computer in the specified location,
- **LOAD FROM PX914** – downloading and loading configuration from the device,
- **LOAD FROM FILE** – loads the configuration from a file (when loading the file, an error may occur when the configuration is not compatible with the device),
- **CLOSE EDIT** – return to the main window.

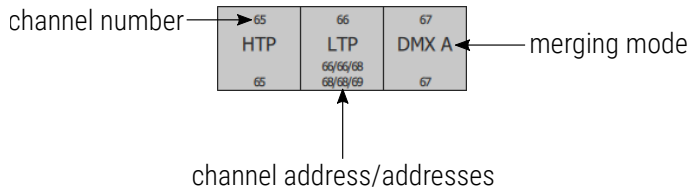
6.1 Channels

In this tab, the user can change the settings:

- merging (6.1.1. Merging (Source)),
- channels address (6.1.2. Patching),
- curves (6.1.3. Curves),
- preheat (6.1.4. Limits),
- limits (6.1.4. Limits).



Channel tile description:



In the above case, channel 66 is addressed as follows:

- address **66** – DMX A / B,
- address **68** – ArtNet A / B / C,
- address **69** – sACN.

NOTE! If the channel address is common to all input signals, then only one address is displayed.

Channels can be selected on the grid in the following way (selected channels are marked in a dark color):

singly

PX914_DIMMER 23010000															
1	1	2	3	4	A	13	14	15	16	4					
	1	2	3	4		13	14	15	16						
2	5	6	7	8	A	17	18	19	20	5					
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP						
3	9	10	11	12	A	21	22	23	24	6					
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP						
7	25	26	27	28	B	37	38	39	40	10					
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP						
8	29	30	31	32	B	41	42	43	44	11					
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP						
9	33	34	35	36	B	45	46	47	48	12					
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP						
13	49	50	51	52	C	61	62	63	64	16					
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP						
14	53	54	55	56	C	65	66	67	68	17					
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP						
15	57	58	59	60	C	69	70	71	72	18					
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP						
19	73	74	75	76	D	85	86	87	88	22					
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP						
20	77	78	79	80	D	89	90	91	92	23					
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP						
21	81	82	83	84	D	93	94	95	96	24					
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP						
	81	82	83	84		93	94	95	96						

group with *Ctrl* pressed

PX914_DIMMER 23010000											
1	1	2	3	4	A	13	14	15	16	4	
	HTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
2	5	6	7	8	5	17	18	19	20		
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
3	9	10	11	12	6	21	22	23	24		
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
7	25	26	27	28	10	37	38	39	40		
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
8	29	30	31	32	11	37	38	39	40		
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
9	33	34	35	36	12	41	42	43	44		
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
13	49	50	51	52	16	61	62	63	64		
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
14	53	54	55	56	17	61	62	63	64		
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
15	57	58	59	60	18	65	66	67	68		
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
19	73	74	75	76	22	69	70	71	72		
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
20	77	78	79	80	23	69	70	71	72		
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
21	81	82	83	84	24	85	86	87	88		
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
	81	82	83	84		89	90	91	92		
						89	90	91	92		
						93	94	95	96		
						93	94	95	96		

group with *Shift* pressed
 – all channels between
 the currently selected one
 and the one pressed with
 the *Shift* button will be
 selected

In the example, channel
 no. 27 was selected first,
 and then channel no. 60
 with the *Shift* button
 pressed.

PX914_DIMMER_23010000											
1	1	2	3	4	A	13	14	15	16	4	
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
	5	6	7	8		17	18	19	20		
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
2	9	10	11	12	B	17	18	19	20	5	
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
	5	6	7	8		21	22	23	24		
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
3	9	10	11	12	C	21	22	23	24	6	
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
	25	26	27	28		37	38	39	40		
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
7	25	26	27	28	D	37	38	39	40	10	
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
	29	30	31	32		41	42	43	44		
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
8	29	30	31	32	E	41	42	43	44	11	
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
	33	34	35	36		45	46	47	48		
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
9	33	34	35	36	F	45	46	47	48	12	
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
	49	50	51	52		61	62	63	64		
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
13	49	50	51	52	G	61	62	63	64	16	
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
	53	54	55	56		65	66	67	68		
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
14	53	54	55	56	H	65	66	67	68	17	
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
	57	58	59	60		69	70	71	72		
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
15	57	58	59	60	I	69	70	71	72	18	
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
	73	74	75	76		85	86	87	88		
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
19	73	74	75	76	J	85	86	87	88	22	
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
	77	78	79	80		89	90	91	92		
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
20	77	78	79	80	K	89	90	91	92	23	
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
	81	82	83	84		93	94	95	96		
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
21	81	82	83	84	L	93	94	95	96	24	
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		
	81	82	83	84		93	94	95	96		
	LTP	LTP	LTP	LTP		LTP	LTP	LTP	LTP		

NOTE! The key combination *Ctrl + A* will select all channels.

Selected channels are also displayed on the right side of the channel grid.

Selected channels:

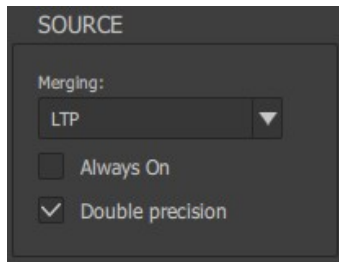
6, 18, 27 - 63

Selected channels may have different settings.
 Fields below displays values for first selected channel.
 Changing value will affect all selected channels.

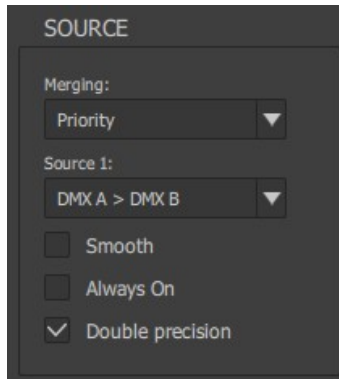
6.1.1 Merging (**Source**)

Merging – a method of combining control signals. Modes available:

- **HTP** – highest value,
- **LTP** – last value,
- **DMX A** – value from the DMX A input,
- **DMX B** – value from the DMX B input,
- **ArtNet A** – value from the Art-Net A input,
- **ArtNet B** – value from the Art-Net B input,
- **ArtNet C** – value from the Art-Net C input,
- **sACN** – value from the sACN input,



- **Priority:**
 - **DMX A > DMX B** – value from the DMX A input, if there is a signal on it, if there is not – DMX B input,
 - **DMX B > DMX A** – value from the DMX B input, if there is a signal on it, if there is not – DMX A input,
 - **DMX A > ArtNet A** – value from the DMX A input, if there is a signal on it, if there is not – Art-Net A input,
 - **ArtNet A > DMX A** – value from the Art-Net A input, if there is a signal on it, if there is not – DMX A input,



NOTE! When selecting signal combining in the *Priority* mode, the user can additionally select the *Smooth* option, thanks to which the transitions between inputs will be smoothed.

Additionally, the user can select the following options:

- *Always On* – hardware activation of the channel at 100%,
- *Double precision* – the channel is controlled with double precision (using two DMX channels).

NOTE! The changes introduced apply only to the marked (selected) channels on the grid.

6.1.2 Patching

Defining start addresses for selected channels. In addition to entering the address, the user can select the *Sequence* button, which will set subsequent addresses on subsequent selected channels.

In the example, address 1 was set on all channels. Then channels 25 – 48 were selected and the **Sequence** button at the **ArtNet A** address was pressed. The grid looks like this.

PX914_DIMMER 23030002																						
1	1	2	3	4		13	14	15	16		4	1	LTP	LTP	LTP	LTP	1	LTP	LTP	LTP	LTP	4
	1	1	1	1		1	1	1	1			1	1	1	1	1	1	1	1	1	1	
2	5	6	7	8		17	18	19	20		5	2	LTP	LTP	LTP	LTP	2	LTP	LTP	LTP	LTP	5
	1	1	1	1		1	1	1	1			1	1	1	1	1	1	1	1	1	1	
3	9	10	11	12		21	22	23	24		6	3	LTP	LTP	LTP	LTP	3	LTP	LTP	LTP	LTP	6
	1	1	1	1		1	1	1	1			1	1	1	1	1	1	1	1	1	1	
7	25	26	27	28		37	38	39	40		10	7	LTP	LTP	LTP	LTP	7	LTP	LTP	LTP	LTP	10
	1/4/2	1/4/3	1/4/4			1/4/13	1/4/14	1/4/15	1/4/16			1	1/4/1	1/4/1	1/4/1	1/4/1	1	1/4/1	1/4/1	1/4/1	1/4/1	
8	29	30	31	32		41	42	43	44		11	8	LTP	LTP	LTP	LTP	8	LTP	LTP	LTP	LTP	11
	1/4/5	1/4/6	1/4/7	1/4/8		1/4/17	1/4/18	1/4/19	1/4/20			1	1/4/1	1/4/1	1/4/1	1/4/1	1	1/4/1	1/4/1	1/4/1	1/4/1	
9	33	34	35	36		45	46	47	48		12	9	LTP	LTP	LTP	LTP	9	LTP	LTP	LTP	LTP	12
	1/4/9	1/4/10	1/4/11	1/4/12		1/4/21	1/4/22	1/4/23	1/4/24			1	1/4/1	1/4/1	1/4/1	1/4/1	1	1/4/1	1/4/1	1/4/1	1/4/1	
13	49	50	51	52		61	62	63	64		16	13	LTP	LTP	LTP	LTP	13	LTP	LTP	LTP	LTP	16
	1	1	1	1		1	1	1	1			1	1	1	1	1	1	1	1	1	1	
14	53	54	55	56		65	66	67	68		17	14	LTP	LTP	LTP	LTP	14	LTP	LTP	LTP	LTP	17
	1	1	1	1		1	1	1	1			1	1	1	1	1	1	1	1	1	1	
15	57	58	59	60		69	70	71	72		18	15	LTP	LTP	LTP	LTP	15	LTP	LTP	LTP	LTP	18
	1	1	1	1		1	1	1	1			1	1	1	1	1	1	1	1	1	1	
19	73	74	75	76		85	86	87	88		22	19	LTP	LTP	LTP	LTP	19	LTP	LTP	LTP	LTP	22
	1	1	1	1		1	1	1	1			1	1	1	1	1	1	1	1	1	1	
20	77	78	79	80		89	90	91	92		23	20	LTP	LTP	LTP	LTP	20	LTP	LTP	LTP	LTP	23
	1	1	1	1		1	1	1	1			1	1	1	1	1	1	1	1	1	1	
21	81	82	83	84		93	94	95	96		24	21	LTP	LTP	LTP	LTP	21	LTP	LTP	LTP	LTP	24
	1	1	1	1		1	1	1	1			1	1	1	1	1	1	1	1	1	1	

Selected channels:
25 - 48

Selected channels may have different settings. Fields below displays values for first selected channel. Changing value will affect all selected channels.

SOURCE

Merging:
LTP

Always On
 Double precision

PATCHING

DMX A: 1 Sequence

DMX B: 1 Sequence

ArtNet A: 1 **Sequence**

ArtNet B: 1 Sequence

ArtNet C: 1 Sequence

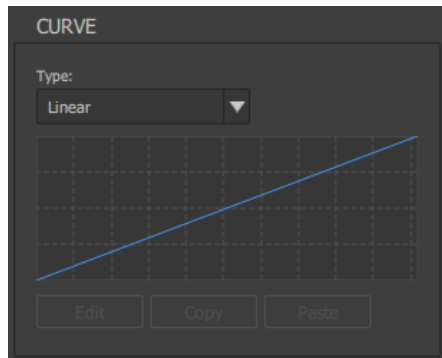
sACN: 1 Sequence

NOTE! The changes introduced apply only to the marked (selected) channels on the grid.

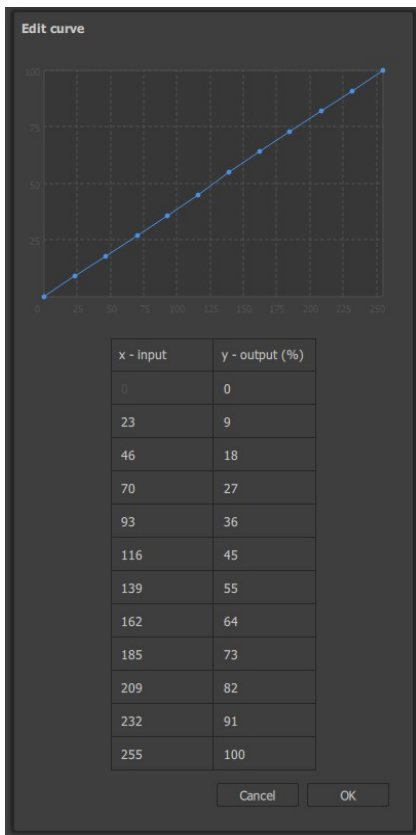
6.1.3 Curves

The device has 10 curves available – 5 factory and 5 user-defined:

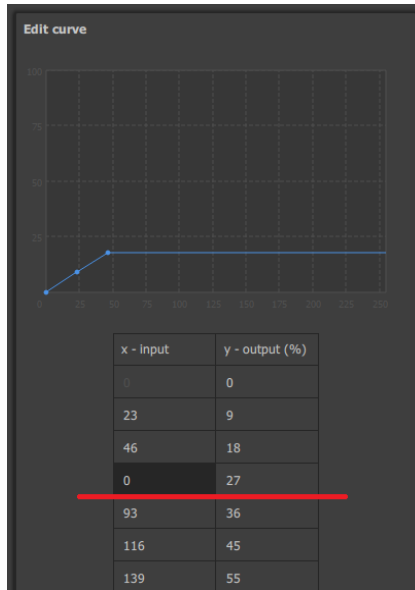
- *Linear*,
- *Logarithmic*,
- *Exponential*,
- *On Off*,
- *Reversed*,
- *User1 – User5*.



Selecting the **User n** curve displays a window with 12 points for which you can enter values. The curve will be drawn between the designated points. The curve can be created from 2 to 12 points.



Only points for which the values on the x-axis are given cumulatively are taken into account, e.g.:



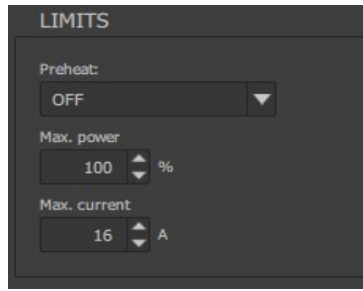
6.1.4 Limits

Here the user can set the preheat:

- *OFF*,
- *Level 1 – Level 9*.

The user can also limit the output power using:

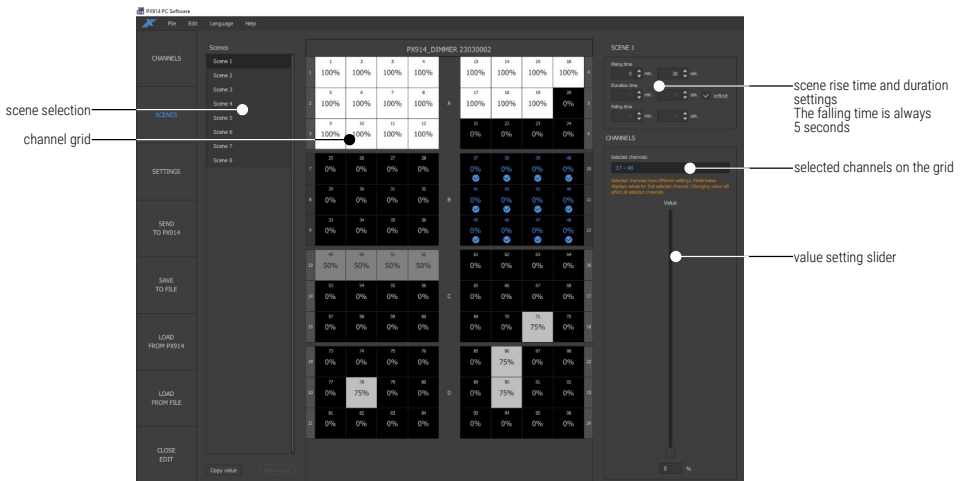
- *Max. power* – power limitation percentage in the range of 0 – 100%,
- *Max. current* – output current limitation in the range 0 – 16A.



NOTE! The changes introduced apply only to the marked (selected) channels on the grid.

6.2 Scenes

It is possible to program 8 scenes that can be used as a static scene in the *No Signal* mode (6.3.5. No signal). Selecting channels is described in point (6.1. Channels).

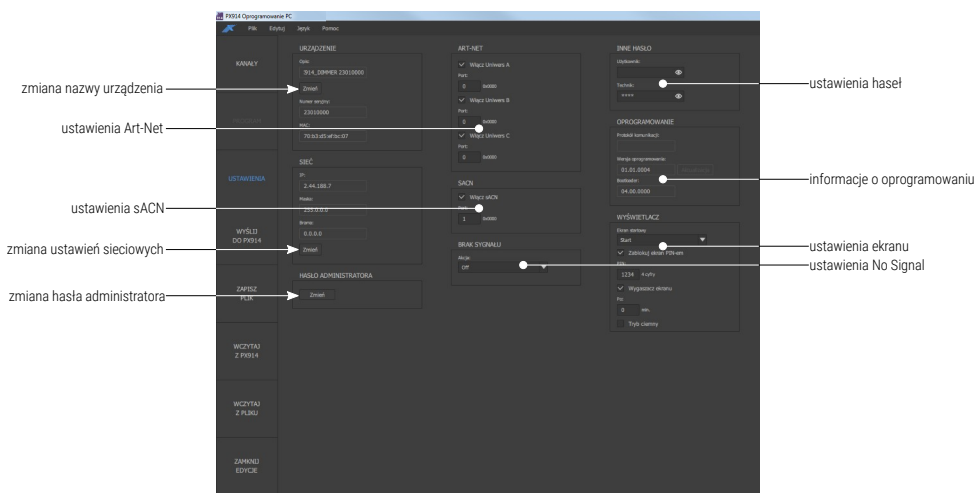


NOTE! The changes introduced apply only to the marked (selected) channels on the grid. The time settings apply to the entire scene.

6.3 Settings

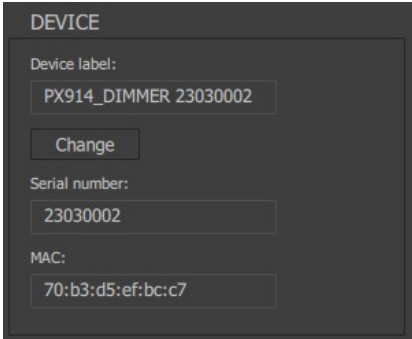
In this tab, the user can change the settings:

- device description (6.3.1. Device),
- network settings (6.3.2. Network),
- administrator password (6.3.3. Admin password),
- Art-Net and sACN inputs (6.3.4. Art-Net / sACN),
- reaction to the loss of the control signal (6.3.5. No signal),
- other users' passwords (6.3.6. Other password),
- check the software and bootloader version (6.3.7. Firmware),
- LCD (6.3.8. LCD).

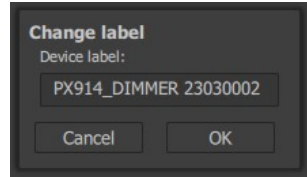


6.3.1 Device

In this tab, the user can edit the device name and read the serial number and MAC address. By selecting the **Change** button, a dialog box will appear allowing you to change the device name.



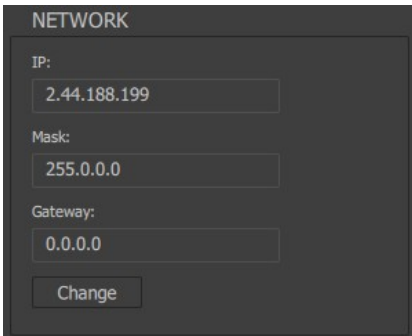
The screenshot shows a dark-themed window titled "DEVICE". It contains three input fields: "Device label:" with the text "PX914_DIMMER 23030002", "Serial number:" with "23030002", and "MAC:" with "70:b3:d5:ef:bc:c7". A "Change" button is located below the first field.



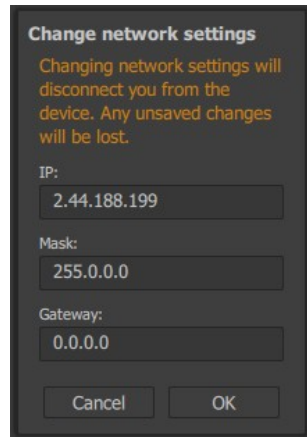
The screenshot shows a dark-themed dialog box titled "Change label". It contains one input field with the text "PX914_DIMMER 23030002". Below the field are two buttons: "Cancel" and "OK".

6.3.2 Network

By selecting the **Change** button, a dialog box will appear where the user can change the IP address, Mask and Gateway.



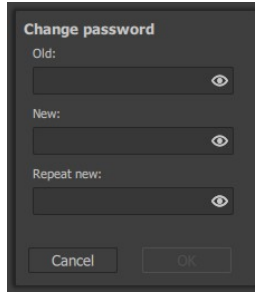
The screenshot shows a dark-themed window titled "NETWORK". It contains three input fields: "IP:" with "2.44.188.199", "Mask:" with "255.0.0.0", and "Gateway:" with "0.0.0.0". A "Change" button is located below the first field.



The screenshot shows a dark-themed dialog box titled "Change network settings". It features a warning message in orange text: "Changing network settings will disconnect you from the device. Any unsaved changes will be lost." Below the message are three input fields: "IP:" with "2.44.188.199", "Mask:" with "255.0.0.0", and "Gateway:" with "0.0.0.0". At the bottom are two buttons: "Cancel" and "OK".

6.3.3 Admin password

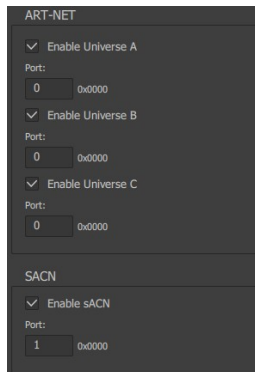
By selecting the **Change** button, a dialog box will appear where the user can change the administrator password. Enter the current password, then the new password twice and select the **OK** button.



A dark-themed dialog box titled "Change password". It contains three input fields: "Old:", "New:", and "Repeat new:". Each input field has a small eye icon to its right, indicating a password field. At the bottom of the dialog, there are two buttons: "Cancel" on the left and "OK" on the right.

6.3.4 Art-Net / sACN

In the Art-Net and sACN settings you can enable and disable individual inputs and change their ports.

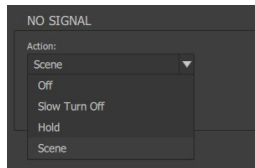


A settings panel titled "ART-NET" and "sACN". Under "ART-NET", there are three sections, each with a checked checkbox and a "Port:" label. The first section is "Enable Universe A" with a port value of "0" and "0x0000". The second section is "Enable Universe B" with a port value of "0" and "0x0000". The third section is "Enable Universe C" with a port value of "0" and "0x0000". Under "sACN", there is one section with a checked checkbox and a "Port:" label, with a port value of "1" and "0x0000".

6.3.5 No signal

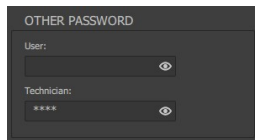
Behavior in the event of signal loss, available options are:

- **Off** – all channels will be turned off,
- **Slow Turn Off** – all channels will slowly fade out,
- **Hold** – the last value of the control signal before its disappearance will remain on the channels,
- **Scene** – the selected scene will be displayed.



6.3.6 Other password

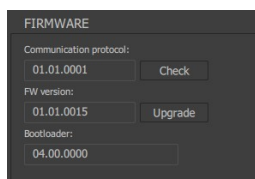
Here it is possible to set a password for the *User* and the *Technician*.



NOTE! The *Technician* password cannot be shorter than 4 characters.

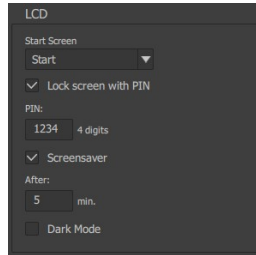
6.3.7 Firmware

It is possible to read the PX914 software version and update the device – the update can be downloaded from the manufacturer's website.



6.3.8 LCD

The screen saver and PIN lock (four digits) settings are available in the display menu. You can specify whether the screen saver should be activated, if so, after how long of inactivity, and which screens should be visible after “waking up”. Additionally, you can turn off the LEDs in the modules by activating the **Dark Mode** option.



Available start screens:

- *Info,*
- *Login,*
- *Menu,*
- *Programming,*
- *Settings,*
- *Start.*