PX127

Solo

RedLine

INSTRUCTION
MANUAL

PXM®

CONTENTS

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

PXM s.c.
ul. Przemysłowa 12
30-701 Kraków
POLAND

tel.: (+48 12) 626 46 92
fax: (+48 12) 626 46 94
E-mail: info@pxm.pl
Internet: www.pxm.pl

1. GENERAL DESCRIPTION

PX127 Solo RedLine is a programmable controller of the 16-channel intelligent devices.
The controller programming is carried out with PX126 Mirage RedLine lighting controller.
Built-in memory can contain up to 48 programs, that can be organized into collections (CUEs). Each collection may be composed of up to 3 programs of different rendering speeds.
PX127 is equipped with the microphone, by dint of this feature the user can synchronize programs' rendering to the music rhythm. It also has a BLACKOUT key, that allows to dimm instantly all the controlled devices and an additional key that allows to control programs' rendering speed manually.
PX127 has a programmable turning on mode. This feature allows to use the PX127 Solo RedLine controller to control the advertising lighting (shop-windows, company salons or trade fair events).

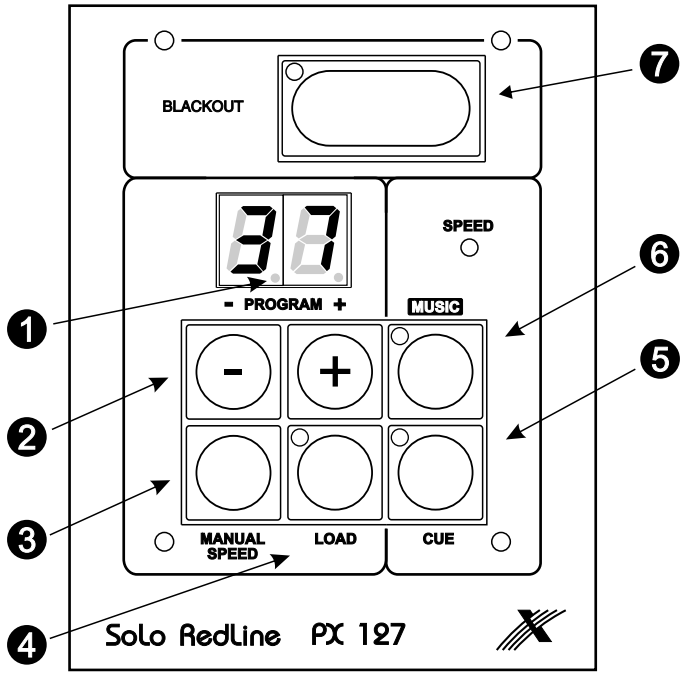
The Solo controller is manufactured in a stable, slightly declivous desktop type casing of small dimensions (126 x 100 x 54 mm).

2. SAFETY CONDITIONS

PX127 Solo RedLine controller is a device powered with safe voltage 9 - 12 V; however, during its installation and use the following rules must be strictly observed:

1. The device may only be connected to 9 - 12 V AC / DC with current-carrying capacity compatible with technical data.
2. All the conductors should be protected against mechanical and thermal damage.
3. In the event of damaging any conductor, it should be replaced with a conductor of the same technical data and attestations.
4. Connection of DMX signal can only be made with shielded conductor.
5. All repairs and connections of outputs or DMX signal can only be made with cut off power supply.
6. PX127 should be strictly protected against contact with water and other liquids.
7. All sudden shocks, particularly dropping, should be avoided.
8. The device cannot be turned on in places with humidity exceeding 90%.
9. The device cannot be used in places with temperature lower than 2°C or higher than 40°C.
10. Clean with damp duster only.

3. FRONT PANEL



❶ The decimal points on a display indicate the manual correction of program rendering speed.

❷ The "+" and "-" keys are for:
- choosing the number of a program, that is going to be rendered next,
- correction of program rendering speed,
- CUEs selection
Its current function depends on state of LOAD, CUE and MANUAL SPEED keys.

❸ The MANUAL SPEED key allows to adjust the defined program rendering speed manually. When CUEs are rendered this key is inactive.

❹ The LOAD key loads program or CUE, selected with "+" or "-" key.
The LED on this key indicates, that the displayed program is different than currently rendered one.
After the LOAD key is pressed (new program loading) the LED goes out.

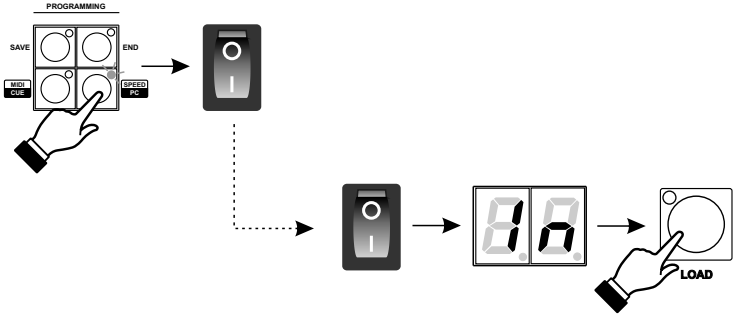
❺ This key switches into CUEs rendering mode.

❻ This key turns on the synchronization of a rendered program to the music.
Inactive during CUEs rendering.

❼ This key turns the controlled devices lighting off.

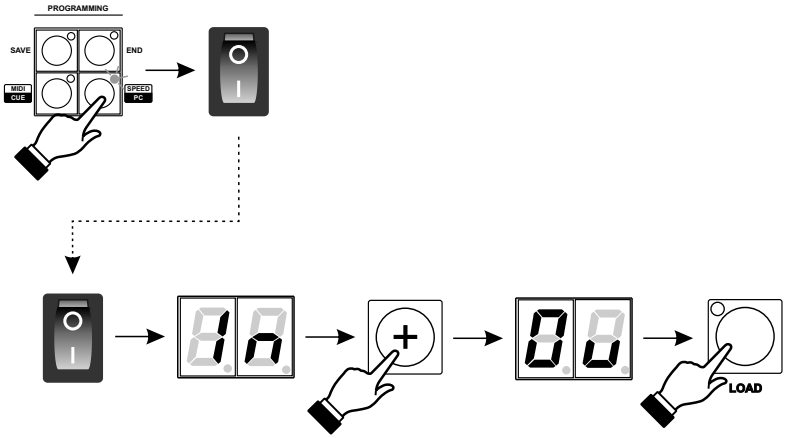
4. COPYING PROGRAMS TO SOLO RL CONTROLLER

1. Connect Mirage RL and Solo RL controllers with programming cord (both devices have to be turned off!).
2. Holding the SPEED / PC key turn Migage RL on. Yellow LED "PC" will light up.
3. Turn on Solo RL. " 1n " will be displayed.
4. Press LOAD key - the transmission will start.
5. When programs are successfully imported " Ed " will show on a display.
6. When the transmission was interrupted or erroneous the " Er " will be displayed. In such case return to paragraph 1.



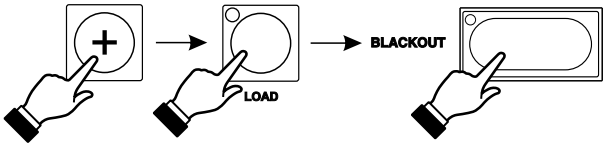
5. COPYING PROGRAMS TO MIRAGE RL CONTROLLER

1. Connect Mirage RL and Solo RL controllers with programming cord (both devices have to be turned off!).
2. Holding the SPEED / PC key turn Migage RL on. Yellow LED "PC" will light up.
3. Turn on Solo RL. " 1n " will be displayed.
4. Press "+" or "-" key, " 00 " will be displayed.
5. Press LOAD key - the transmission will start.
6. When programs are successfully imported " Ed " will show on a display.
7. When the transmission was interrupted or erroneous the " Er " will be displayed. In such case return to paragraph 1.



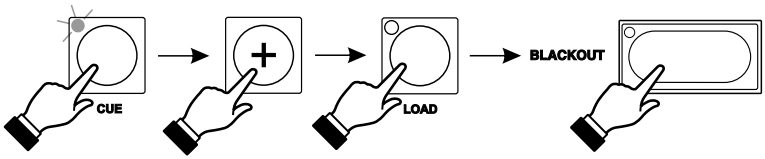
6. PROGRAMS RENDERING

1. Choose a required program with "+" and "-" keys.
2. Press the LOAD key to load the selected program.
3. With BLACKOUT key turn the devices on.



7. CUEs RENDERING

1. Press the CUE key.
2. With "+" and "-" keys select the required CUE number.
3. Press LOAD to load a chosen CUE.
4. With BLACKOUT key turn the devices on.

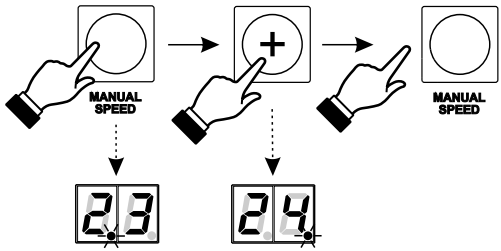


8. MANUAL SPEED CORRECTION

When the program is being automatically rendered, you can adjust its speed.
The selected program will be rendered with the modified speed until the LOAD key is pressed again.

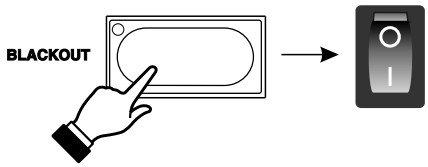
1. Press and hold the MANUAL SPEED key - the number of a present rendering speed will show on a display (1 - minimal speed, 31 - maximal speed). In addition, the left decimal point will light up.
2. With "+" and "-" keys increase or decrease the speed - the right decimal point will light up.
3. Release MANUAL SPEED key. The shining right decimal point signals, that the rendering speed is different than the originally defined speed.

ATTENTION: This feature is available only with MUSIC and CUE keys turned off.

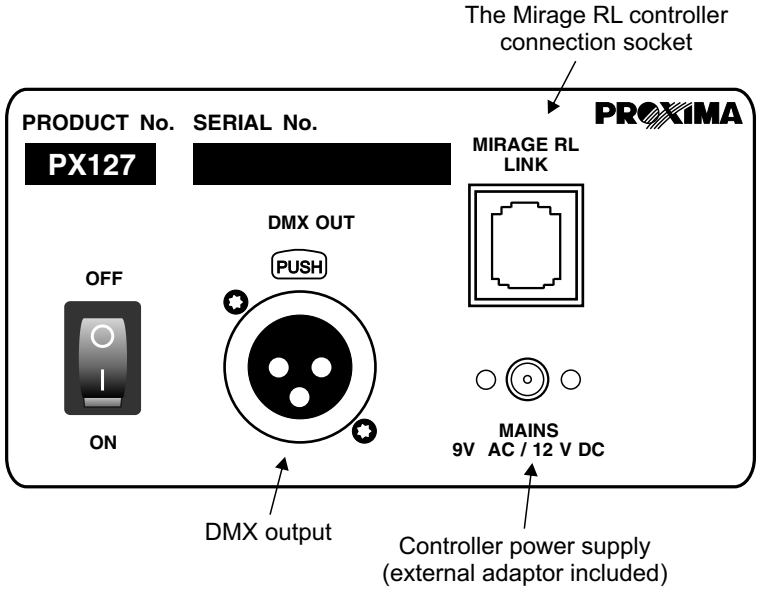


9. TURNING ON MODE SELECTION

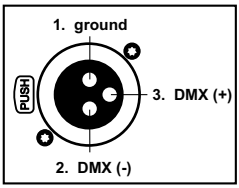
The Solo RL controller allows to define the mode, that will be automatically set after turning the controller on (BLACKOUT on or off mode).
To change the current settings turn the controller off, and then turn it on again while holding the BLACKOUT key.
To restore the previous settings, proceed the procedure described above again.

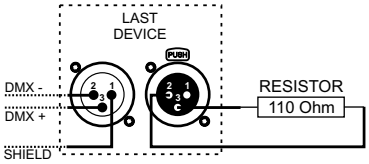


10. REAR PANEL



8. DMX SIGNAL CONNECTION





1. To connect the devices application of the microphone cable is strictly recommended (two strands in a shield).
2. The devices have to be connected in series.
3. To split the DMX line it is necessary to use the DMX SPLITTER (PX094).
4. In case of the great number of devices or long distances use the DMX REPEATER (PX097). It is an amplifier of the DMX signal.
5. In the last device a terminator must be installed. It is a 110 Ohm resistor.

11. TECHNICAL SPECIFICATION

- DMX channels	256
- number of scenes	1022
- number of programs	48
- number of CUEs	16
- programming input / output	telephone socket (cord included)
- DMX-512 output	3-pin XLR socket
- audio input	built-in microphone
- power supply	9 V AC (adaptor included)
- power consumption	6 VA
- weight	440 g
- dimensions:	
- width	100 mm
- height	126 mm
- depth	60 mm

PXM

ul. Przemysłowa 12
30-701 Kraków, Poland
tel: +48 12 626 46 92
fax: +48 12 626 46 94
e-mail: info@pxm.pl
http://www.pxm.pl

DECLARATION OF CONFORMITY

according to guide lines 89/336/EWG

Name of producer: PXM s.c.

Address of producer: ul. Przemysłowa 12
30-701 Kraków

declares that the product:

Name of product: **Solo RedLine**

Type: **PX127**

answers the following product specifications:

EMC: **PN-EN 55103-1**
PN-EN 55103-2

Additional informations: The DMX-512 output must be shielded and the shielding must be connected to the ground responding to the DMX connectors.

PXM S.C.
Danuta i Marek Żupnik
30-701 Kraków, ul. Przemysłowa 12
NIP 677-002-54-53

Kraków, 01.09.2005

Marek Żupnik M.Sc.