



## Rail DMX Merger

### Description

#### Rail Merger DMX - rail DMX signal adder

DMX-512 is a protocol that defines the serial transmission of control data for 512 channels. Many drivers can not produce full range of 512 addresses and send data for a smaller number of channels. In the case of installations where few such type of drivers work together, there is sometimes a need to add output of individual devices and send them via a single DMX circuit.

Rail Merger DMX is a device that allows to add together the DMX signals - get data from several inputs, set them in correct order and send to a single 512-channel output.

The device allows to:

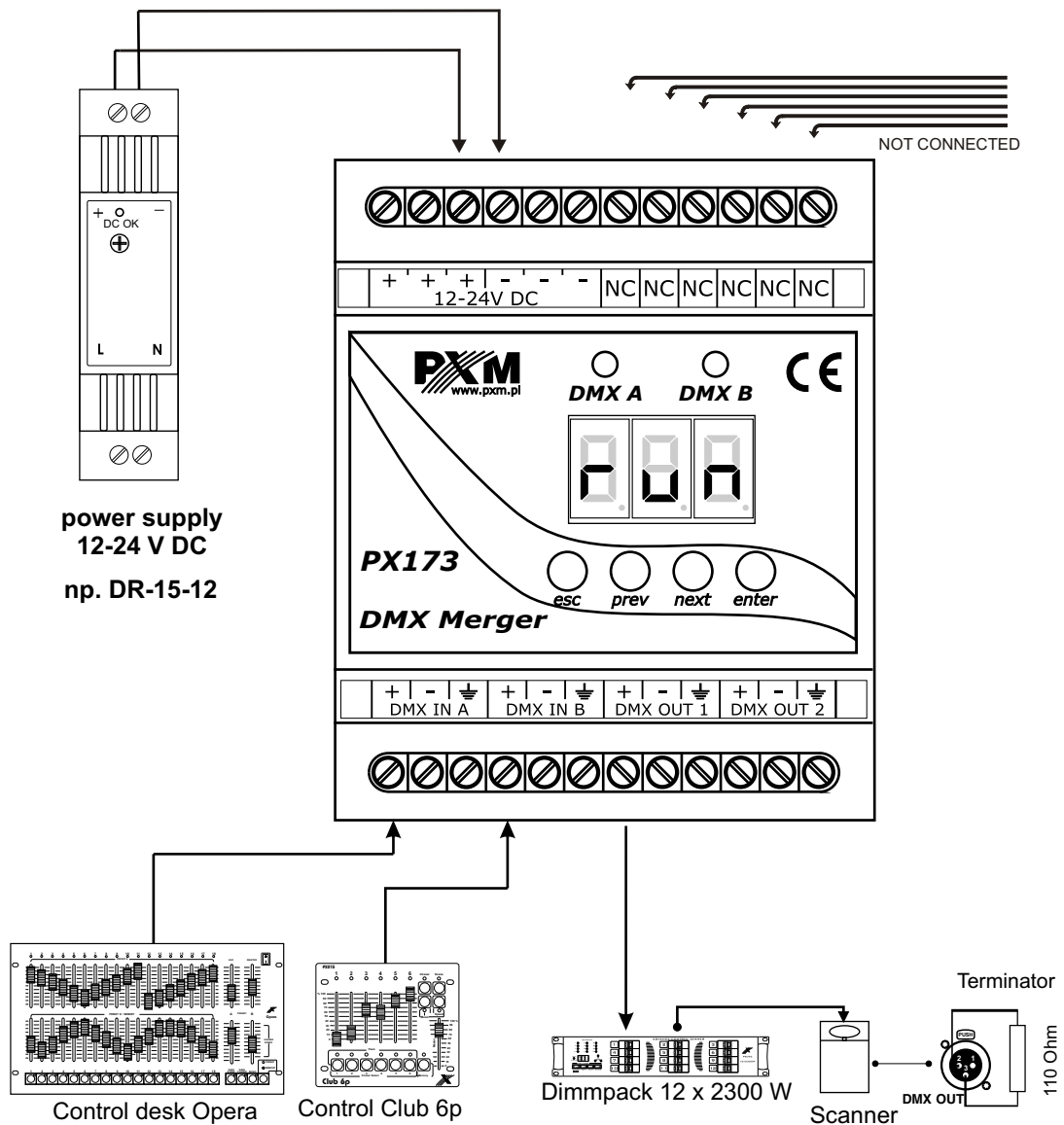
- Select the amount of downloaded channels from each input independently
- Choose any starting address for each input
- Choose any (from range of 24 - 512) amount of transmitted channels with each output
- Choose how should influence on each other corresponding two input channels:
  - "Only A" - to the output is transmitted only from the input channel A
  - "Only B" - to the output is transmitted only from the input channel B
  - "Bigger wins" - a channel of greater value is transmitted to output
  - "Smaller wins" - a channel of less value is transmitted to output
  - "The difference" - a difference between values of channels is transmitted to output
  - "As long as A is not B" - the output is transmitted from the input channel A, as long as the device is working, after being terminated or turned off to output is transmitted the input channel B
  - "as long as B is not A" - as above
  - "As long as A different from B stays B" - to output is transmitted channel from input B as long as the channel value at the input A reaches the B channel value; since then the output is transmitted only from the input channel A
  - "as long as B different from A is A" - as above

Please note the correct way connecting the DMX receivers - the receivers must be connected in series to form a chain and at the output of the last receiver make sure to connect the terminator.

### Technical data

Type:	PX 173
DMX channels:	512
DMX input:	2
DMX output:	2
Input/Output Connections:	Terminal blocks
Power Supply	12-24 V DC
Power consumption:	Max. 5W
Dimensions:	Width: 70 mm Height: 85 mm Depth: 53 mm

## Connection Diagram



## Dimensions

