



# DMXPEN *Rec01*

Design your show, record and bring with you



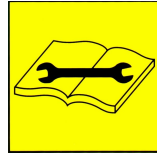
cat.no. dmxpenRec01R1-UK-2012

## Manual / UK

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## INTRODUCTION



Thanks to buy this DMXPEN series products.

A correct use of this product, will ensure a correct functionality, a long life and at the same time will avoid product failure.

Please read this manual carefully and be sure to understand the information provide to ensure a safe and reliable application, to learn a suitable knowledge of the product and his necessary precaution before using it.

## WARNINGS

1. This manual describes the DMXPEN Rec01 operating functions. The user must operate the product according to the performance specifications described in the operation manuals.
2. While every effort has been made to ensure that the information on this manual is accurate and complete, we would appreciate any errors or omissions submitted to our attention.
3. Maintenance, inspection, and replacement of parts must be performed only by authorized personnel.
4. We reserve the right to change the specifications of the hardware and software described in this manuals at any time and without prior notice.
5. Do not use DMXPEN Rec01 with wet finger
6. After the package opening, please make this check:
  - The received product correspond with the ordered one
  - No part are missing on the received product.
  - The product is not damaged.
  - Contact immediately a DMXPen distributor in case of fault.

## DESCRIPTION

DMXPen Rec01 device has the following features:

- DMX512 Signal Recording and Playback
- ArtNet Signal Recording and Playback
- ArtNet - DMX Conversion
- DMX - ArtNet Conversion
- Remote control via MIDI interface
- Remote control via Ethernet interface

Briefly the DMXPen products mission is record and carry easily: "*Design your show, record and bring with you*".

*Why recording?* The first goal of a professional light programmer is to select a light desk and learn to use it in the best way, because this means freedom of expression and productivity.

The DMXPen products range improve this concept taking care of recording what the light programmer realize whit his preferred equipment.

*Why carry?* Often the light programmer presence is not necessary during the show playback, so he can realize the show and record it so the user has only the duty to activate his playback (i.e. fair booth, shop, club, etc.)

Moreover doing this with a normal light desk, mean carry heavy or expensive equipment that usually are not so familiar to the users (i.e. barman, custodian, etc.).

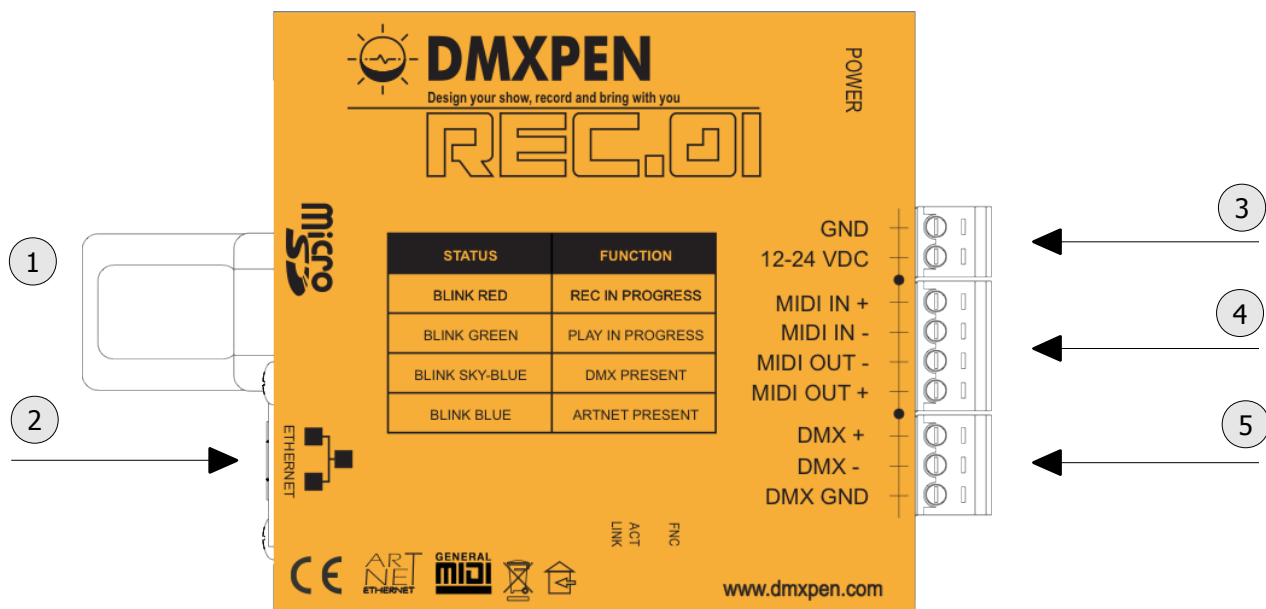
*This is another issue improved from the DMXPen products because contains only the show engine with a simple user interface at a very low cost.*

## SET UP/CONNECTION

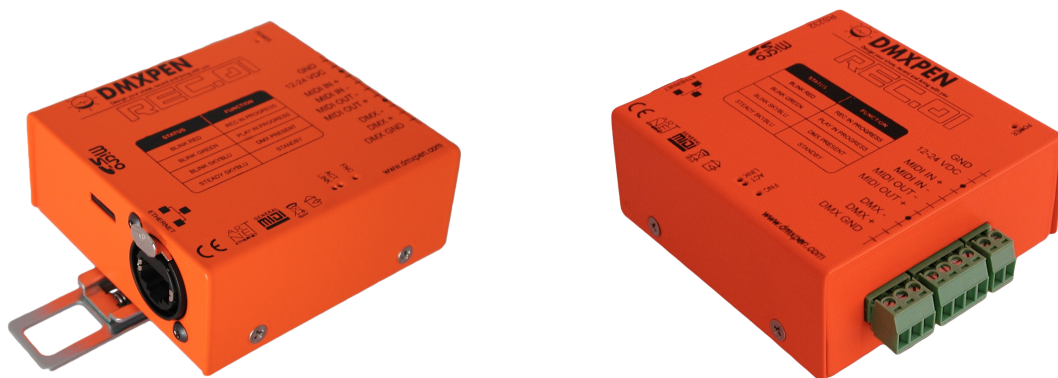
This DMXPEN series offer a compact solution products provided also with a DIN Rail mount accessory

Be sure to have the microSD card inserted on the socket (the product is supplied with the microSD card inserted on the socket).

Note: the device do not has a main ON/OFF switch and is necessary remove power supply to make maintenance.



Note Number	Description	Device Connector	Wiring Connector
1	DIN Rail mount accessory	-	-
2	Ethernet Port	RJ45 Female	RJ45 Male
3	Power Supply	Phoenix 1803277	Phoenix 1803578
4	MIDI Port (IN/OUT)	Phoenix 1803293	Phoenix 1803594
5	DMX512/A Port (IN/OUT)	Phoenix 1803280	Phoenix 1803581



### Technical Specification

Dimension ( L x W x H )	77 x 82 x 33 mm (77 x 94 x 46 mm with DIN Rail mount accessory)
Weight	250 gr.
Material / finishing	Iron / Fire Painted
Degree Protection	IP 30
Operating Relative Humidity : from 30% to 85% without condensation	
Operating Temperature	-5°C + 50°C
DMX	DMX512/A Input/Output Data (half duplex)
Power Supply	12-24 VDC – 500 mA
MIDI	- 1 MIDI IN port - 1 MIDI OUT port
MicroSD card	- 1 MicroSD card socket - FAT16 file system
Ethernet	- IEEE 802.3 10BaseT Ethernet interface
Power supply	- 12-24 VDC - 200-500 mA
standard reference	EN 55022, EN 61000-4-2, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-11, EMC 89/336/CEE, BT 73/23/CEE

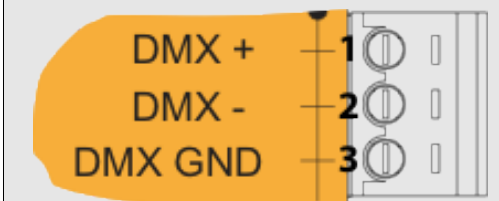
## PIN ASSIGNMENT

### Power Supply



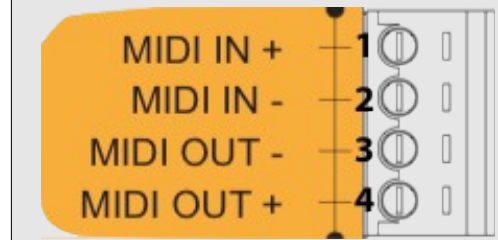
Pin	Description
1	GND
2	12-24VDC

### DMX IN/OUT



Pin	Description
1	DMX+
2	DMX-
3	GND

### MIDI IN/OUT



Pin	Description
1	MIDI IN+ (Anode)
2	MIDI IN- (Kathod)
3	MIDI OUT- (Signal)
4	MIDI OUT+ (+5V with 220ohm)

## DEVICE CONFIGURATION

DMXPen Rec01 is provided with the standard DMXPen engine that allow remote control via ethernet port using PenSuite software tools (PenSuite is a free software tools available on the device micorSD card or on [www.dmxpen.com](http://www.dmxpen.com) web site in both PC and MAC OS version).

### ***Remote Control via Ethernet Port (PenSuite)***

As indicate on the previous paragraph, connecting DMXPen to the ethernet port and using the PenSuite software tools (PenSuite is a free software tools available on the device micorSD card or on [www.dmxpen.com](http://www.dmxpen.com) web site in both PC and MAC OS version) this functions will be available:

- Start show playback
- Start show recording
- Data direction selections
- ArtNet signal transmission
- ArtNet signal receptions

### ***Remote Control via MIDI Port***

#### *Start show playback*

To start a show playback using a MIDI device, it's enough to send a "MIDI Program Change" command using the show number as parameter. In example MIDI Program Change 1, will start show 1 playback.

#### *ArtNet – MIDI Conversion*

Il passaggio da 0 al 100% dei Ch1-Ch127 generano un evento MIDI Note ON per le note 1-127. Il passaggio da 0 al 100% dei Ch128-Ch255 generano un evento MIDI Program Change 1-127.

#### *DMX – MIDI Conversion*

Il passaggio da 0 al 100% dei Ch1-Ch127 generano un evento MIDI Note ON per le note 1-127. Il passaggio da 0 al 100% dei Ch128-Ch255 generano un evento MIDI Program Change 1-127.

## WARRANTY

12 month

*(according to D.L. n.24 2 february2002, directive 1999/44/CE of European Parliament)*

## MAINTENANCE / CLEANING

No special maintenance operation are required for DMXPEN Rec01.

Anyway remember to unplug the device from the power supply during maintenance and cleaning operation.

Moreover we suggest to make a backup copy of the show file stored on the microSD card using a PC connected or other card reader device.

Use only dry cleaning cloth to clean DMXPen ControlBOX. Do not use cleaning solvent or washing powder.

[www.dmxpen.com](http://www.dmxpen.com)

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