

Chroma-Q™ Magic Box™ 8>4 DMX A/B Switch

User Manual



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The Chroma-Q Magic Box 8>4 DMX A/B Switch has been designed specifically for the professional entertainment lighting industry. Regular maintenance should be performed to ensure that the products perform well in the entertainment environment.

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Outside North America:

Tel: +44 (0)1494 446000
Fax: +44 (0)1494 461024
support@chroma-q.com

North America:

Tel: 416-255-9494
Fax: 416-255-3514
support@chroma-q.com

For further information please visit the Chroma-Q website at www.chroma-q.com.

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Approvals



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1. Product overview

The Chroma-Q Magic Box 8>4 DMX A/B Switch is a device that manages a fast and reliable manual DMX line switchover between a master and back-up console of up to 4 DMX lines. It has two sets of 4 DMX inputs and one output set of 4 lines.

2. Operation

Power

The unit requires no power, electronics or software to ensure the highest possible reliability.

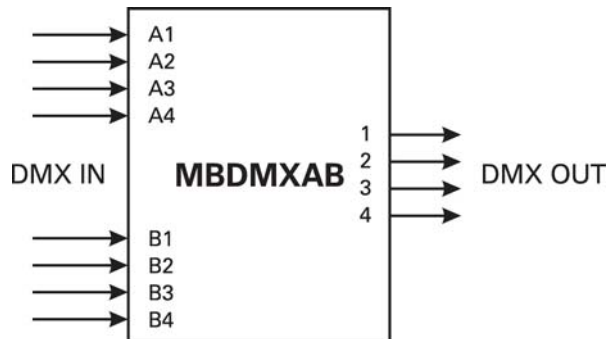
Data

Data input ANSI E1.11 USITT DMX 512-A from an external source or lighting control console connects through 8 male XLR-5.

Data outputs ANSI E1.11 USITT DMX 512-A through 4 female XLR-5.

The unit is controlled by a simple manually operated switch.

System Diagram



Installation

Unique Magic Box interlocking enclosure facilitates easy rack mounting when used in pairs and easy truss mounting via captive nut insert. Rack mounting brackets are available in single unit and dual unit versions.

Note: for truss mounting, we recommend the use of a 1/2"-13UNC x 3/4" long bolt to avoid damage.

Control and Power Cables

The XLR-5 cable is wired pin to pin, in the following format:

Pin #	Function
1	Ground (screen)
2	Data minus
3	Data plus
4	Spare data minus
5	Spare data plus

Accessories

Chroma-Q Magic Box pair of rack ears - Single Box - CHRM1

Chroma-Q Magic Box pair of rack ears - Dual Box - CHRM2

Chroma-Q Magic Box 8 Way DMX Buffer - MBDMX8

Chroma-Q Magic Box PS12 Power Supply - MBPS12