Approvals & Disclaimer

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The Chroma-Q Magic Box EtherSwitch 7F 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.

If you experience any difficulties with any Chroma-Q products please contact your selling dealer. If your selling dealer is unable to help please contact support@chroma-q.com. If the selling dealer is unable to satisfy your servicing needs, please contact the following for full factory service:

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

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Quick Start Guide
Magic Box™
EtherSwitch 7F™

Chroma-Q™
BRILLIANT SOLUTIONS

For a full product manual please visit www.chroma-q.com

1. Product Description

The EtherSwitch 7F is a heavy duty, high speed unmanaged network switch that supports simultaneous computer connections. Designed to satisfy the requirement of entertainment touring applications, the EtherSwitch 7F is equipped with one OpticalCon fibre optic connector providing 1000Mbps bandwidth and seven shielded Ethercon ports (RJ45) providing 10 / 100 / 1000 Mbps bandwidth in full-duplex mode. This stand-alone unit enables the concurrent use of various multimedia devices within a network without traffic restrictions.

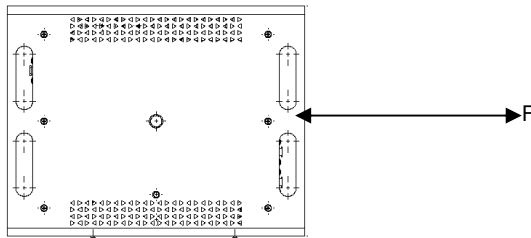# 2. Operation

Unpacking the unit:
The EtherSwitch 7F package includes 1 unit EtherSwitch 7F, a power cord and a Quick Start Guide. We recommend that you keep the original packaging in case items need to be returned.

Power:
Power for the EtherSwitch 7F is connected through a male IEC chassis connector with input rating of 100-240V AC, 50-60Hz. There is no power button and plugging into the power outlet will immediately power the unit on.

OpticalCon Fibre Optic and RJ45 Ethercon Ports:
The single OpticalCon Fibre Optic port at the rear panel supports 1000Mbps, and the seven shielded RJ45 Ethercon ports (2 x front panel, 5 x rear panel) support network speeds of 10Mbps / 100Mbps / 1000 Mbps in half and full duplex transfer modes. The Ethercon ports of the EtherSwitch 7F utilises CAT5e cable to send and receive data (all IEEE 802.3 protocol). Automatic MDI/MDIX crossover detection is supported. The EtherSwitch 7F will automatically detect the settings of the external device immediately upon connection. Send and receive data to and from an external source through any of the seven shielded RJ45 Ethercon ports or the Fibre Optic port.

Front: 2 Ethercon Ports

Rear Panel: 5 Ethercon Ports, 1 Opticalcon Fibre Optic Port

LED Indicators:

Speed LED Indicators

Activity LED Indicators

1. The LED indicator for power at the front panel will light up Green when the EtherSwitch 7F is receiving power, otherwise, it is off.
2. Cable Diagnostic will start upon power up, which will determine if the Ethernet cables connected support 1000Mbps and a successful link is present. This process is indicated by the **Speed** LED corresponding to each of the 8 ports blinking Green sequentially. The initial port scan takes about 10 seconds. A detected cable fault or no link present will be indicated by the corresponding port's **Speed** LED glowing Amber for 5 seconds after the initial port scan. A good cable connection will be indicated by the corresponding port's **Speed** LED glowing Green for 5 seconds. The EtherSwitch 7F will then reset for normal operation.
3. The **Speed** LED indicators (Top) at the front panel that correspond to each port number will light up Green when a secure connection is present. The **Activity** LED (Bottom) will light up steady with a successful link and blink when reception or transmission of data is occurring at the port.
4. The **Speed** LED indicator will light up green when the port is connected to a 1000Mbps Ethernet station, and amber when connected to a 100Mbps Ethernet device. The indicator will remain off when the port is connected to a 10Mbps Ethernet device.

3. 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 ½"-13UNC x ¾" long bolt to avoid damage.

4. Further Information

Please refer to the Chroma-Q™ Magic Box EtherSwitch 7F manual for more detailed information. A copy of the manual can be found at the Chroma-Q website – www.chroma-q.com – under Support.