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# Quick Start Guide

## Magic Box™ EtherSwitch 7™



For a full product manual please visit [www.ac-et.com](http://www.ac-et.com)

## 1. Product Description

The EtherSwitch 7 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 7 is equipped with 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:

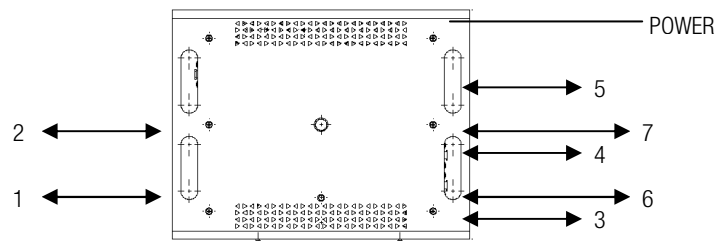
The EtherSwitch 7 package includes 1 unit EtherSwitch 7, a power cord and a Quick Start Guide. We recommend that you keep the original packaging in case items need to be returned.

### Power:

Power for the EtherSwitch 7 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.

### RJ45 Ethercon Ports:

The EtherSwitch 7 system utilises CAT5e cable to send and receive data (all IEEE 802.3 protocol) through 7 shielded RJ45 Gigabit Ethercon ports. There are 2 ports at the front panel and 5 ports at the rear panel. These ports support network speeds of 10Mbps, 100Mbps, and can operate in half- and full-duplex transfer modes. Automatic MDI/MDIX crossover detection is supported. The EtherSwitch 7 will automatically detect the settings of the external device immediately upon connection. Send and receive data (all IEEE 802.3 protocol) to and from an external source through any of the seven shielded RJ45 Ethercon ports. There are 2 ports at the front panel and 5 ports at the rear panel.



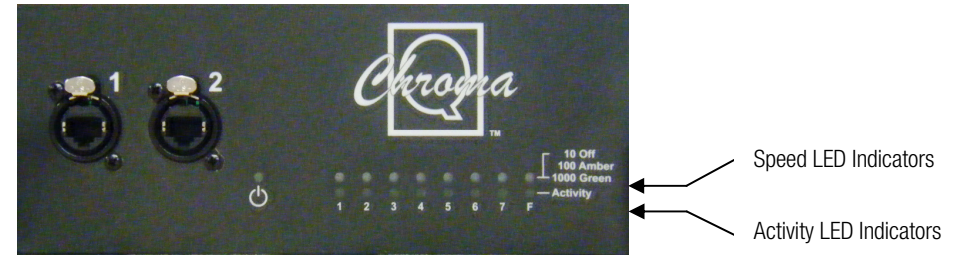
Front: 2 Ethercon Ports



Rear: 5 Ethercon Ports



### LED Indicators:



1. The LED indicator for power at the front panel will light up Green when the EtherSwitch 7 is receiving power, otherwise, it is off.
2. Cable Diagnostic will start upon power up, which will determine if the Ethernet cables connected are in good working condition. This process is indicated by the **Speed** LED corresponding to each of the 7 ports blinking Green sequentially. The initial port scan takes about 10 seconds. A detected cable fault 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 7 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 there a secure connection is present. The Activity LED (Bottom) will 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 1/2"-13UNC x 3/4" long bolt to avoid damage.

## 4. Further Information

Please refer to the Chroma-Q Magic Box EtherSwitch 7 manual for more detailed information. A copy of the manual can be found at the Chroma-Q website – [www.chroma-q.com](http://www.chroma-q.com) – under Support.