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# Upgrade Guide Magic Box™ EtherSwitch 7F™ Fibre Optic Upgrade Kit



## The EtherSwitch 7F Fibre Optic Upgrade Kit includes:

- 1 x EtherSwitch 7F overlay
- 1 x PCB
- 1 x Fibre optic cable
- 1 x Ethernet jumper cable
- 1 x Jumper cable for power (red & black)
- 1 x OpticalCon fibre optic chassis connector
- 2 x M3x10 FH screws with nuts
- 2 x M3x6 PH screws
- 2 x M3 nuts
- 2 x M3 lock washers

## Tools required:

- 1 x PH1 Screwdriver

## Installation:

1. Remove the Top Cover of the Magic Box enclosure by unscrewing 6 screws on top and 2 screws on each side.
2. Remove the purple overlay from the rear panel of the EtherSwitch 7 unit.
3. Peel-off the paper liner at the back of the gray EtherSwitch 7F overlay. Align carefully and set to the rear surface panel of the unit. Apply pressure to the whole surface area for optimum bonding.
4. Install the Fibre Optic connector to the rear panel of the unit. (cut-out at the centre) Secure with 2 M3x10 screws and nuts.
5. Install the PCB upgrade onto the 2 stand-offs above the EtherSwitch 7 PCB with the RJ45 and Fibre Optic connectors in the same orientation. Secure with 2 M3x6 screws and lock washers.
6. Connect the RJ45 connectors with the Ethernet jumper cable from the PCB upgrade to the empty connector at the far end of the main EtherSwitch 7 PCB. Ensure that interlock is fully latched.
7. Connect the Fibre Optic connectors with the Fibre Optic cable. Loop and tuck excess cable.
8. Disconnect power cable from 'C5' of the EtherSwitch 7 PCB (black wire) and connect to 'J2' of the PCB upgrade. (header beside RJ45 connector)
9. Connect the power jumper cable (red & black wire) from 'J1' of the PCB upgrade to 'C5' of the EtherSwitch 7 PCB.
10. Test the unit.
11. Replace the top cover of the Magic Box enclosure.

## Further Information

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