

Optikinetics Ltd.

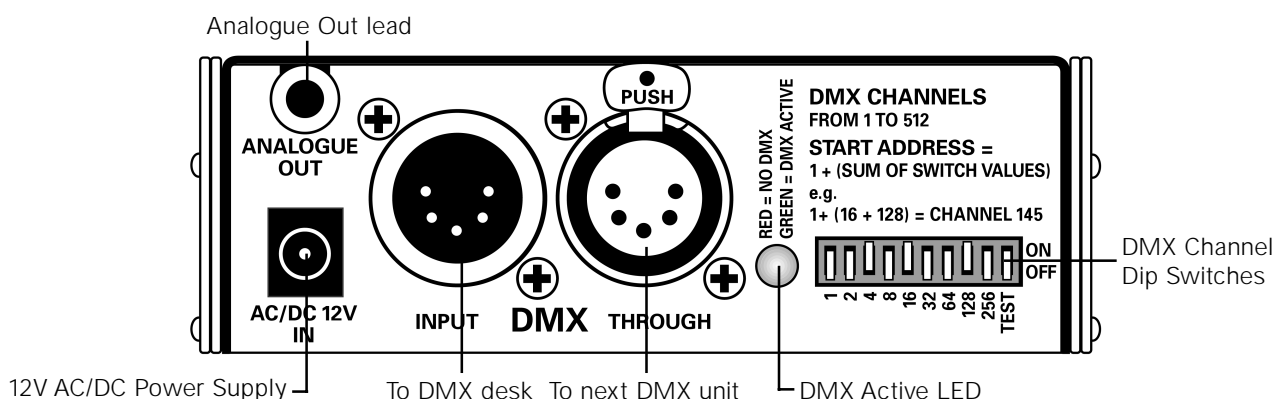
38 Cromwell Road
Luton LU3 1DN England

Phone +44 (0)1582 411413
Fax +44 (0)1582 400613
e-mail optiuk@optikinetics.com

Website www.optikinetics.com



DMX to Analogue Box Instructions



MAINS CONNECTION

The power supply adapter, provided, plugs into the main supply from the AC/DC 12V input.

DMX CONNECTIONS

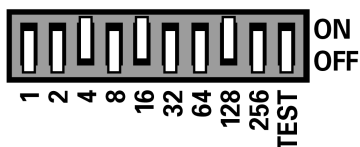
The DMX to Analogue Box is connected to a DMX Lighting Desk, or controller via the DMX INPUT socket. Other DMX receivers or fixtures can then be connected from the DMX THROUGH socket in a 'daisy chain'.

The LED light is green when a DMX lead is connected and receiving valid DMX. The LED is RED when there is no DMX connection or there is no DMX signal.

DMX DIP SWITCHES

The first 9 DIP switches set the box's start Address/Channel to the same number as the slider on the DMX Lighting Desk.

The start Address/Channel is calculated by adding 1 (represents 'zero' the first Channel of DMX) to the sum of switch values. e.g. To set the Address to 149 the switches turned 'ON' will add up to 148 (4+16+128) + 1 = Channel 149.



The last dip switch sets the DMX Channel to maximum output to test the appropriate unit.

ANALOGUE OUT

The ANALOGUE OUT lead fits into the INPUT socket of either an OPTI Club Strobeflower, Terrastrobe or K range projector fitted with a Shutter/Dimmer Option dependent on the factory setting.

This connection then allows these units to be controlled from a DMX Lighting Desk.

THE ANALOGUE OUT LEAD WILL NOT WORK IF CONNECTED TO NON-OPTI PROJECTORS.

DMX CONTROL

The DMX to Analogue Box is factory set to control one of three OPTI products.

On the Club Strobeflower and Terrastrobe the DMX values 0 to 255 are divided into 64 equal divisions. The flash rate ranges from 0.25 to 13.5 per second.

CLUB STROBEFLOWER

This uses 2 channels of DMX. The first controls the flash rate and the second controls mirror rotation.

1st Channel

- 0 The lamp is turned **OFF**.
- 1 - 62 Sliding scale for **Flash Rate**.
- 63 Lamp continuously **ON**.

2nd Channel (Start Channel + 1)

- 0 - 63 and 128 - 191 Mirror motor **OFF**.
- 64 - 127 and 192 - 255 Mirror motor **ON**.

TERRASTROBE

This uses 1 channel of DMX, which controls the flash rate.

- 0 The lamp is turned **OFF**.
- 1 - 63 Sliding scale for **Flash Rate**.

K RANGE - SHUTTER/DIMMER

This uses 2 channels of DMX. The first controls the shutter and the second control the dimmer function.

1st Channel

- Below 128 Shutter **CLOSED**.
- 128 and above Shutter **OPEN**.

2nd Channel (Start Channel + 1)

- Below 128 Lamp **Dimmed**.
- 128 and above Lamp at **Full** brightness.