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[OPTI]TM Club Strobeflower

Operating Instructions

(220-240V ~ Model)

POWER RATING

Controller: 5 Watts maximum

Head: 100 Watts maximum.

OPERATING VOLTAGE

220-240V ~ 50-60Hz

FUSES

Controller: T0.5A (20mm x 5mmØ)

Head: F2A (20mm x 5mmØ)

MAINS CONNECTION

Both units come with a 2 metre, 3 core IEC lead with 5A fused UK mains plug. If another plug is required it should be connected as follows:

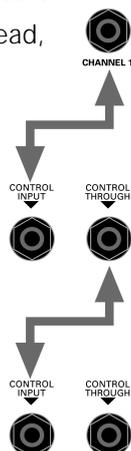
**BROWN = LIVE; BLUE = NEUTRAL;
GREEN/YELLOW = EARTH.**

OPERATION

For optimum effect the OPTI Club Strobeflower Heads should be used in conjunction with a 4 channel OPTI Club Strobeflower Controller. Ask your dealer for a demonstration.

1. Securely mount the OPTI Club Strobeflower heads, using the hanging brackets, in desired positions. It is recommended that a safety chain is also fitted.
2. Securely mount the Controller.
3. Link the Controller to the Head(s) using the two 1/4" stereo jack plugs, supplied with each unit, linked with good quality stereo audio cable.
- 3a. For independent operation link each Head, from one of the 4 CHANNELS on the Controller, to CONTROL INPUT on the Head.
- 3b. For identical operation link the first Head to the Controller as above. Then link that Head from CONTROL THROUGH to CONTROL INPUT on the next Head (as shown).

In this way a number of Heads can be operated identically from each CHANNEL, with each CHANNEL operating independently.

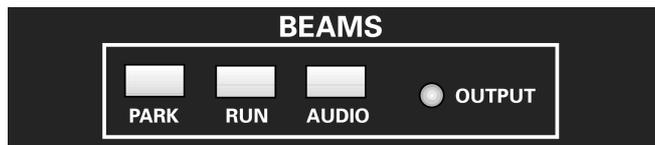


4. To switch on, connect the IEC leads to each unit and the mains supply. Each Head will operate according to the the Controller settings.
5. To disable (turn off) the Heads connected to the Controller depress the BLACKOUT switch.



Beam Control

- PARK** The beam pattern is stationary.
- RUN** The beam pattern to rotates continuously in one direction.
- AUDIO** The beam pattern to periodically changes to the beat of the music at the audio input.



Sequencing of Lamps

- PATTERN** The lamps in the Heads on each of the 4 CHANNELS may be set to operate in four preset sequences. The SPEED control adjusts the rate of sequencing.
- AUDIO** The stepping of the PATTERN, from one state to next, is initiated by audio signal.
- OVERRIDE** The lamp(s) of the corresponding channel operates continuously with CHANNELS not selected switched off.

Strobe Lamp Modes

- SINGLE** Each step in the sequence produces a single flash. SPEED adjusts the flash rate.
- BURST** Each step in the sequence produces a burst of flashes at maximum rate (16Hz). SPEED adjusts the duration of each burst.
- FULL** The lamp(s) operate continuously.
- The four 'LED' OUTPUT lights indicate that the lamps are on, off or flashing.



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AUDIO INPUT

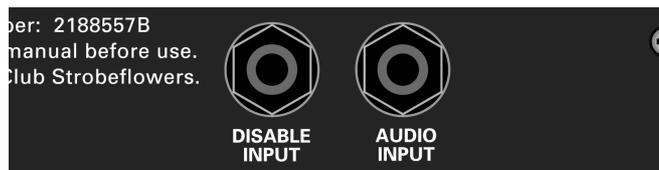
For a really effective light show connect the AUDIO INPUT on the Controller to the PA with 1/4" stereo jack plugs and audio cable. Sequencing will operate in time with the beat when the AUDIO switch is depressed.

REMOTE DISABLE INPUT

DISABLE INPUT allows the OPTI Club Strobeflower System to be enabled or disabled by a lighting control desk. The OPTI Strobeflower System can then be integrated into a complete lighting installation.

The signal required by this input, via 1/4" stereo jack plugs and audio cable, is as follows:

Disabled 0V Enabled +5 to +20V



Operation without a Controller

It is possible to operate the OPTI Club Strobeflower system without the OPTI Club Strobeflower controller. When mains supply is connected, without a controller, each OPTI Club Strobeflower Head will operate independently with the lamp in FULL mode and the beams in RUN mode.

LAMP REPLACEMENT

IMPORTANT WARNINGS

Allow the unit to cool for 30 minutes before touching. Whilst the unit is open safety goggles must be worn. The lamp has a high pressure gas filling, and if broken, glass fragments will fly in all directions. The lamp must not be touched by hand.

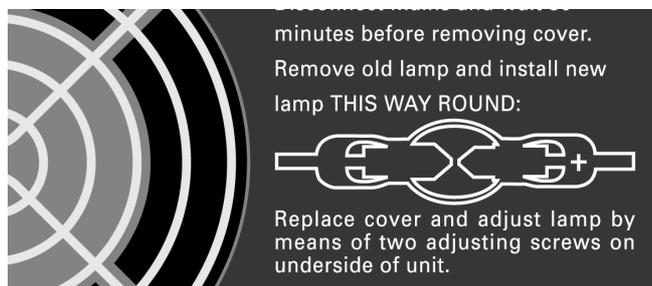
Before attempting lamp replacement, read the safety precaution sheet.

The lamp is available only from OPTI and their agents. There is no suitable alternative.

The lamp replacement procedure is as follows:

1. Remove the screws on the sides of the Head.
2. Ease the side panels outwards slightly and lift the cover clear of the unit. An earth wire connects the chassis to the cover. This need not be removed.

3. Remove the two screws which connect the lamp wires to it's mounting blocks. Slacken the two screws which secure the lamp, and remove.
4. Fit the new lamp in reverse procedure. The lamp must be fitted the right way round. A diagram is on the rear panel of the Head illustrating this.



5. Replace the cover and secure in reverse procedure. The optical system now needs to be adjusted to suit the new lamp.
 - a) Connect mains power with Controller set to FULL.
 - b) Underneath the unit are two screws, labelled lamp adjusters on the rear panel. Point the unit at a wall several metres away. Adjust each screw alternately until each beam produces a single circular spot.

MAINTENANCE

Before attempting any maintenance read the safety precautions sheet.

The only maintenance required is periodical cleaning of the optical system to ensure effect does not degrade.

1. Remove the cover as detailed in Lamp Replacement.
2. Using a non-abrasive glass cleaner compound and a soft cloth, carefully clean the three elements of the optical system. The lens at the front, the dished reflector covered with mirrors and the small mirror adjacent to the lamp.

Care must be taken to ensure that the lamp remains scrupulously clean. Any marks, like finger marks, should be removed using methylated spirits and a soft cloth.

4. Replace the cover and secure using the reverse procedure to removal.

After cleaning the optical system, it is advisable to check the alignment of the lamp and adjust if necessary (as detailed in Lamp Replacement).

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Instructions for OPTI Club Strobeflower with internal DMX

DMX CONNECTIONS

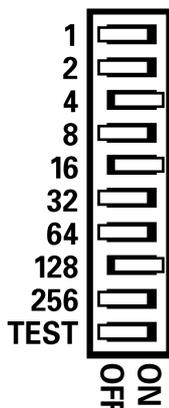
Connect the DMX 'INPUT' socket to a lighting desk or controller 'OUTPUT' socket using a 5 pin XLR lead. Other DMX receivers or fixtures can then be connected from the DMX THROUGH socket in a 'daisy chain'.

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 to the sum of switch values. e.g. To set the Address to 149 the switches turn ON 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.

DMX CONTROL

Two channels of DMX are used. The first controls the flash rate and the second controls mirror rotation.

1st Channel

0 The lamp is turned **OFF**.

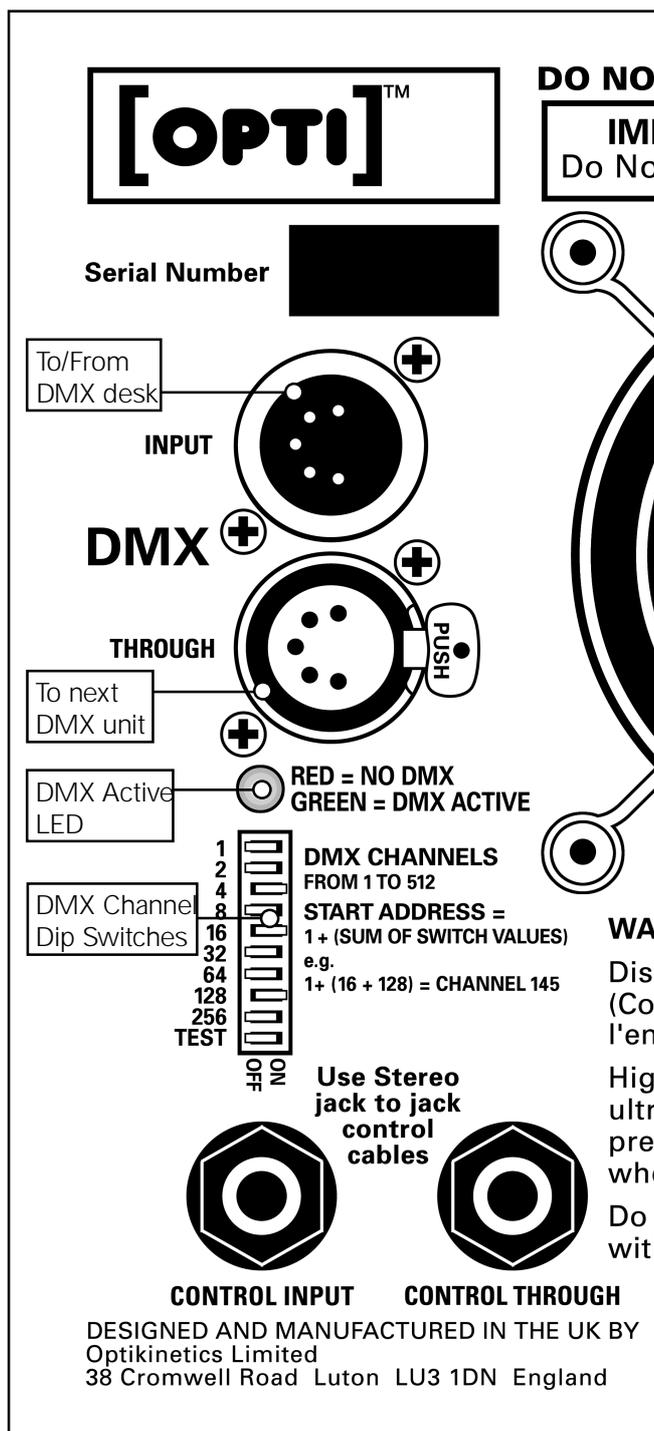
1 - 62 Sliding scale for **Flash Rate**.

63 Lamp continuously **ON**.

The DMX values 0 to 255 are divided into 64 equal divisions. The flash rate ranges from 0.25 to 13.5 per second.

2nd Channel (Start Channel +1)

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



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IMPORTANT SAFETY INSTRUCTIONS

When using your OPTI Club Strobeflower System, basic safety precautions must be followed:

1. Read and understand all instructions before using.
2. Close supervision is necessary when any appliance is used near, but never by, children. Do not leave appliance unattended while in use.
3. When mounted above head height a safety chain or cable must be fitted and secured to an immovable object at all times.
4. Do not operate appliance with a damaged cord, or if the appliance has been dropped or damaged, until examined by a qualified service person.
5. Always connect appliances to a grounded outlet.
6. Do not risk electric shock by immersing in water or allowing liquids to enter.
7. Do not operate too closely to a smoke generating machine or in an overly humid environment. Liquid may condense inside the head unit creating risk of electric shock and may cause internal damage to the unit.
8. Position the cord so that it will not be tripped over, pulled, or come into contact with hot surfaces.
9. If an extension cord is necessary, a cord with a current rating at least equal to that of the appliance should be used. Cords rated for less amperage may overheat.
10. Under absolutely no circumstances must the OPTI Club Strobeflower Head or Controller case(s) be opened when in operation.
11. To reduce the risk of electric shock, do not dismantle this appliance. Always take it to qualified repairers when servicing is required.
12. The procedures described in the Maintenance section must be carried out by qualified service personnel working under the authority of the manufacturers recognised agent.
13. Always unplug appliance from electrical outlet before maintenance, cleaning, lamp changing and when not in use. Grasp plug and pull to disconnect. Never yank cord.
14. DO NOT attempt lamp replacement, or any other maintenance, while the unit is still hot as there is a risk of burns from the lamp. Care must also be taken, as burns can occur from touching other hot parts. Allow to cool for 30 minutes.
15. After any maintenance or cleaning all parts must be absolutely dry before refitting.
16. When replacing the cover(s) always ensure that all wiring is correctly engaged.
17. Let appliances cool completely before packing.

WARNINGS

**Direct viewing of the lamp at close range can result in eye damage and must be avoided.
Strobe lights must never be used in the presence of epileptics.**

SAVE THESE INSTRUCTIONS