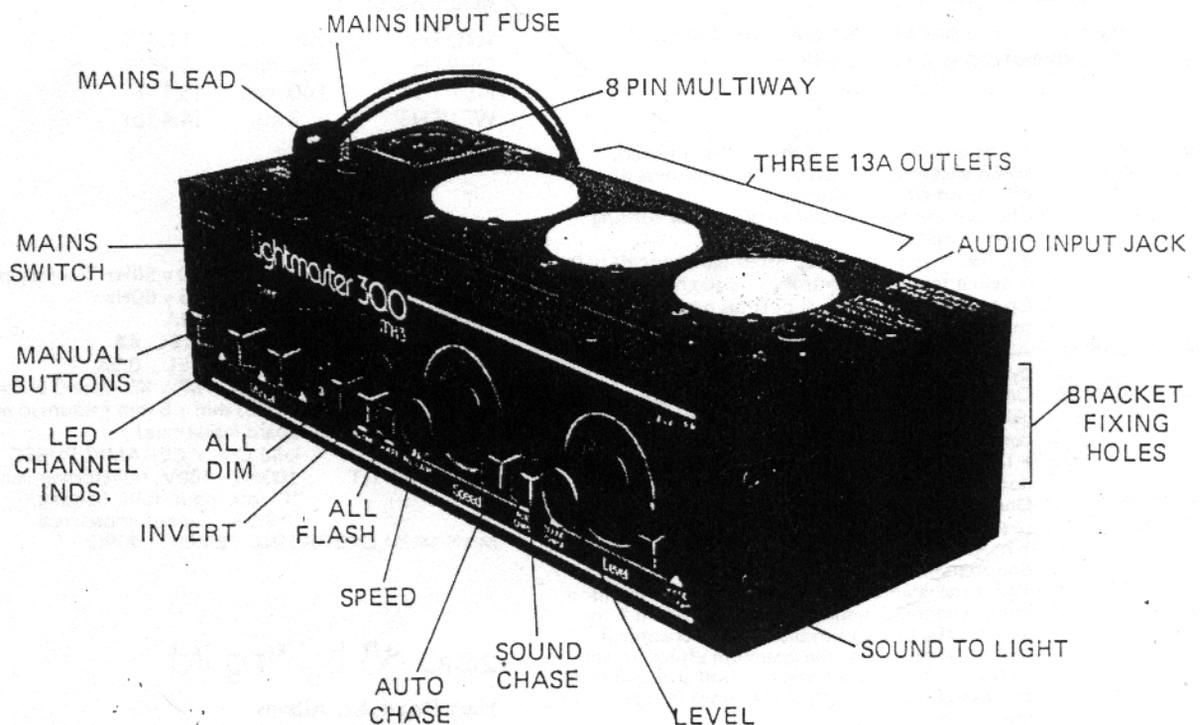


Lightmaster 300 MK3

OPERATING INSTRUCTIONS



OPERATING INSTRUCTIONS

The Lightmaster 300 is a compact three channel light controller suitable for use in a wide range of applications. The simple controls enable you to select from over twenty different effects, 11 of which may be used at half brightness if required.

Before Use

Before using your new Lightmaster, fit a plug to the mains lead in accordance with the following code:

Green and Yellow	-	Earth
Blue	-	Neutral
Brown	-	Live

A GOOD EARTH CONNECTION IS ESSENTIAL

Check that the plugs on your lights also correspond to the connection code above, or if using the 8 pin multiway socket:

Pin	Connection
1	Earth
2	Not Used
3	Live Output 1
4	Live Output 2
5	Live Output 3
6	Neutral
7	Neutral
8	Neutral

Remember to check that the lamps work and that there are no connections shorted together, particularly in multiways.

This unit will not operate fluorescent lamps.

DISCONNECT MAINS SUPPLY BEFORE OPENING UNIT.

How to use your Lightmaster 300

Connect your lights using the sockets provided. Switch on using the mains switch on the front panel, the dial lights will illuminate to indicate that the unit is on. Connect a suitable audio input via the 1/4" jack socket.

The Lightmaster 300 is a push-button controlled unit; the operation of each button is outlined below:

MANUAL:	Turns on the selected channel when pressed.
ALL DIM:	When switched on, reduces the brightness of effects on all three channels.
INVERT:	Changes the operation of all effects by turning them "inside out". e.g. With no buttons depressed (all channels off), pressing the invert control turns all channels on. Operation of the manual buttons now turns off the selected channel(s).
ALL FLASH:	All Channels flash simultaneously at a rate set by the speed control.
AUTO CHASE:	One channel at a time is turned on in sequence, giving a chasing effect, at a rate set by the speed control. + Invert: One channel off is chased giving a double brightness effect.
SOUND CHASE:	One channel at a time is turned on, changing sequentially with the bass beat of the music. + Invert: Gives a double brightness effect, as one channel off is chased.
SOUND TO LIGHT:	The three channels are controlled by the audio input; channel 1 responds to bass, channel 2 to middle, channel 3 to treble. The level control should be set to give the optimum effect for the audio input. Once set, the unit will automatically compensate for all normal variations in input level. + Invert: All channels are normally on and are modulated off by the audio signal.

Combination Effects:

Any combination of effects may be used simultaneously. A good example is Auto Chase and Sound Chase. With the speed control set to slow, a slow sequential effect is speeded up by the bass beat of the music. If the sequential chase is made faster, the bass beat will slow down the chase. If the Invert button is also used, the overall brightness of the effect is increased.

You will find it worthwhile to experiment with other combinations to suit your particular applications.

For the best lighting effects keep all the lamps on one channel the same colour, e.g. channel 1 - all blue lamps, channel 2 - all red lamps, etc. Lights shining directly into the eyes can be very irritating; whenever possible it is better to light from overhead or reflect the light off a pale coloured wall or ceiling.

INSTALLATION

The Lightmaster 300 Mk III is designed as a free standing unit, but is supplied with a pair of mounting brackets so that it may be panel mounted. A pair of trim plates is also available to cover any mounting hole irregularities.

Cut Out: 290 - 300 mm (305mm with brackets reversed)
95 - 100 mm

Panel thicknesses of up to 20 mm may be used without modification to the brackets supplied, if the unit is dropped through the hole. The optional trim plates will not fit with the brackets reversed.

If the unit is fitted from the rear, the maximum panel thickness is 13 mm.

TECHNICAL DETAILS

Mechanical:

WIDTH	290 mm	(11.4")
DEPTH	80 mm	(3.15")
HEIGHT	140 mm	(5.1")
WEIGHT	2 kg	(4.4 lb)

Electrical:

POWER SUPPLY	210 - 250 v 50Hz (Factory preset) 105 - 125 v 60Hz
MAXIMUM TOTAL LOAD	12A
MAXIMUM LOAD PER CHANNEL	4A
MINIMUM LOAD PER CHANNEL	0.5A
MAINS INPUT FUSE	15A, 1 1/4" x 1/4" (Size 0 or 3AB)
OUTPUT FUSES	5A, 20 mm x 5 mm (mounted on printed circuit board inside case)
AUDIO INPUT	USE ONLY CERAMIC FUSES 100mV - 100V, transformer isolated, 1/4" jack input, fully floating. >8.0 k input impedance.
MAXIMUM OPERATING TEMP.	40°C

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