

Logic 8000lv

CONNECTIONS.

Sound input

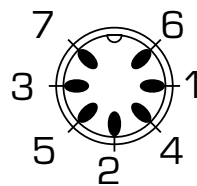
Connect any audio signal, either mixer level (775mV) or the speaker output of any amplifier up to 450W rms to the phono socket on the rear panel labelled 'sound'. This does not affect the loudspeaker/amplifier loading. Use the tape out of a mixer rather than the output to the amplifier.

Output

Low-voltage outputs are provided on a 7-pin type-A DIN plug which also provides the power supply to the Logic 8000lv. This should be connected to a dimming slave pack which provides a +15V power supply output such as the NJD DP10000. The +15V can be connected to either pin 6 or pin 7.

The Logic 8000lv can be used with slave packs that do not provide a power supply output, by using an external +15V power supply connected as follows: +15V to pin 6 or 7, 0V to pin 2, or by using a 12-0-12 Volt transformer connected as follows: one 12V AC winding to pin 6, the other 12V AC winding to pin 7, 0V to pin 2. The 'enable' inputs of the slave packs can then be connected to a switch panel or touch panel such as NJD's LOGIC S12lv to produce a multi-zone lighting controller.

Pin 1	Channel 1
Pin 2	0V
Pin 3	Channel 4
Pin 4	Channel 2
Pin 5	Channel 3
Pin 6	+15V in
Pin 7	+15V in



OPERATION

3/4 channel selection.

The LOGIC 8000lv is supplied operating in 4-channel mode, if it is required to operate as a 3-channel controller, proceed as follows:

Disconnect from the power supply and remove the backing box. The 3-4 channel switch is located between the printed circuit and the front panel, between the beat switch and the program switch. Using a small screwdriver, move the switch towards the program switch for 3-channel or towards the beat switch for 4-channel.

In 3-channel mode, the fourth slider can be used as a manual dimmer control.

4-channel Dimming.

With the program switch turned to the 0 position, the 4 slider controls can be used as individual channel dimmers. The centre (0) position is fully off, move the slider towards the on position to increase brightness.

The MODE control should be set to chase or sound chase.

Chase facilities.

With the mode switch in the chase position, normal chasing facilities are provided, the program switch sets the chase pattern, and the speed control sets the chase speed.

Two auto-run selections are provided, A runs through all twelve chase patterns, B just runs through singles, pairs and triples.

C is a random pattern.

The hold rev. switch prevents the chaser from reversing, forcing it to run through the patterns in the forward direction only.

With the mode switch in the soft chase position, the chaser runs through the chase pattern, increasing each channel from zero to full brightness, and then dimming back to zero. The speed control sets the chase speed, the fade rate is automatically adjusted to match the chase speed. The speed range available on the speed control is extended to provide a very slow 'blend' mode, where the channels are gently crossfaded. This is very effective in

three-channel mode using flood lamps of the three primary colours (red, green and blue) when it will produce a constantly changing colour flood.

With the mode switch in the sound chase position, the chase pattern will progress to the bass beat of the music; in soft sound the channels are increased to full brightness and then dimmed to zero to the bass beat of the music. A sound connection is required to the LOGIC 8000/v, see 'sound input'.

In all chase modes, the four slider controls can be used to set the background and foreground levels.

The foreground level is the maximum level reached when the channel is on. This is set by moving the slider control downwards towards off. 0 corresponds to full brightness, off to fully off.

The background level is the minimum level reached when the channel is off. This is set by moving the slider control upwards towards on. 0 corresponds to fully off, on to fully on.

The beat switch flashes all channels together to the beat of the music. In chase and sound chase modes, the channels are brought to the foreground level instantly, and then reduced to zero.

In soft chase the attack and decay times are set by the speed control; in soft sound the channel will be flashed with a fast attack and a slow decay.

The flash switches can be used to force any channel instantly to full brightness, regardless of the settings of foreground and background levels.

The stand-by switch disables all chasing facilities, allowing manual operation on the sliders and flash switches only.

TECHNICAL SPECIFICATION.

Dimensions:	482mm × 133mm × 63mm
Minimum mounting depth:	70mm
Weight:	1kg
Power supply:	+15V DC from slave pack.
Audio Input:	phono socket.
Audio input impedance:	15k Ω
Audio input range:	0.7V to 60V RMS
Outputs:	0 - 10V analogue 0V off +10V fully on
Minimum load impedance:	2.2k Ω
Enable input:	phono socket. +10V enabled 0V disabled.
Enable input impedance:	22k Ω

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