

Level 12

Level 18

Level 24

Introduction

Level 12, Level 18 and Level 24 are a range of professional 12, 18 and 24 channel, 2 preset lighting control desks. All versions feature a power on indicator led, preset flasher buttons, and an autofade on each preset.

The Level series desks are designed for use with the Zero 88 Betapack dimmer range, but will operate with any dimmers which require a 0 to +10V control input.

Level series desks are powered by a +20V supply at up to 85mA provided by one or more Betapacks through the control cables.

Other manufacturer's dimmers may not provide sufficient current so alternatively the desk may be powered from a Zero 88 PSU and adapter kit, available separately (Part Nos 00-236-00 and 00-639-00).

Zero 88 Lighting Ltd. reserves the right to make changes to the equipment described in this manual without prior notice.

Technical Specifications

Standard Outputs	0 to +10V
Power Supply	+20V at up to 85mA
Max Operating Temperature	40°C

Size:

Level 12	380 x 280 x 60mm (15 x 11 x 2.5 inches)
Level 18	515 x 280 x 60mm (20 x 11 x 2.5 inches)
Level 24	640 x 280 x 60mm (25 x 11 x 2.5 inches)

Weight:

Level 12	4Kg (9lbs)
Level 18	5Kg (11lbs)
Level 24	6Kg (13lbs)

This equipment is designed for use as a lighting control desk and is unsuitable for any other purpose. E&OE.

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Manual Operation

Two sets of channel faders are provided. These are known as 'Presets' and enable the user to set up two different lighting scenes and fade between them using the preset Master A and Master B controls.

Each preset Master has a Flash button and a Fade Time rotary control associated with it. The user can easily crossfade between scenes by moving the A and B Masters in tandem. *Note that the scale on Master A is inverted, and is therefore at full on when Master B is at zero.*

With the Fade Time knobs turned to the OFF position, crossfades are controlled manually

For example, turn both Fade Time knobs fully anticlockwise until they click off. Set up one scene, by setting the required levels for each channel on the Preset A faders, and a different scene on Preset B.

Move both Master A and B faders to the bottom.

To manually fade from Scene A to Scene B, slowly push the Master A and B faders in tandem to the top of the scale.

You have direct control over the speed of the change.

Flashing a Preset

The preset Flash button will take the level of the preset to full regardless of the setting of the Preset Master.

For example to flash Preset B when Master B is at zero (off) simply press and hold the Master B flash button.

Fade Time Operation

Timed fading of scenes in and out or crossfading between scenes can be carried out automatically using the Fade Time controls. Times to fade from zero to full, or full to zero can range from 1 second to 3 minutes and are initiated by moving the appropriate Master fader.

For example, turn the Master A Fade Time knob to 10 seconds and the Master B Fade Time knob to 40 seconds. Moving the Master faders in tandem from the top to the bottom of the scale will fade Preset A from full to zero in 10 seconds, and Preset B from zero to full in 40 seconds.

Note that the fade time scale is not linear.

Overriding Fade Times

Turning the fade time knob anticlockwise during a fade will slow down the fade of that preset. Turning the fade time knob clockwise during a fade will speed up the fade of that preset.

Plugging / Unplugging the desk

If the desk is plugged in or unplugged while connected to a powered dimmer, the desks outputs will flash. This is normal. To avoid this **always** switch off at the dimmer first.

Options and Accessories

00-236-00	Zero 88 Mains PSU
00-639-00	Level External PSU Adaptor
00-262-00	8 pin DIN (male/male) cable 2m
00-263-00	8 pin DIN (male/male) cable 10m
00-264-00	8 pin DIN (male/male) cable 25m
00-265-00	8 pin DIN (male/male) cable 50m
00-266-00	8 pin DIN (F/M) extension cable 10m
00-267-00	8 pin DIN (F/M) extension cable 25m
00-268-00	8 pin DIN (F/M) extension cable 50m

Please note:

Level desks are not supplied with a cable as standard

Signal Connections

8 pin Locking DIN

Pin	Ch	Ch	Ch	Ch
1	1	7	13	19
2	2	8	14	20
3	3	9	15	21
4	4	10	16	22
5	5	11	17	23
6	6	12	18	24
7	Supply Voltage			
8	0 volts Reference			