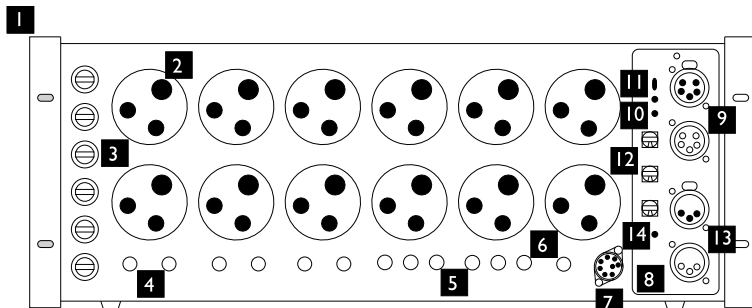## ACT 6+™
Dimmer Pack

A Guide to the Dimmer Pack

1. Reversible side plates for handles or rack mounting
2. Output sockets (2 per dimmer)
3. 10A HRC fuse
4. Dimmer power indicators
5. Circuit test push buttons
6. Circuit test LED
7. Control signal input socket (+10V or -10V)
8. Optional Multimux module
9. DMX input and output sockets
10. 'DMX present' LED
11. DMX line termination switch and LED
12. Multiplex address switches (also used for auto-sequence function)
13. D54 input and output sockets
14. 'D54 present' LED

180mm (7")

300mm (11.8")

483mm 19."

Act 6+

Compact dimmer pack with six 10A 230V dimmers controlled by 0V to 10V analogue signal (plus/minus autosensing) per dimmer or optionally, multiplex signals. All versions supplied with double sockets, and analogue input. By removing a blank cover panel, and installing the optional Multi-mux module, any dimmer pack can operate with either DMX 512 or Strand D54 multiplex signals. An added feature with the Multimux module is the self-powered effects package which provides 4 effect types, selection of channels in the effect and the effect speed, each one selected by the mux start address switches.

A blank socket panel version is available to mount custom connectors (e.g. a single connector for a multicore cable). All versions accept three phase power, and include a single phase linking strap.

V 220V/240V 50/60Hz A 60A W 6 x 2kW H 6
$\longrightarrow$ 0 - 10V (+/-), option: DMX512, D54
490 x 300 x 180mm 9.6kg 11.3 kg
0.107m³ ✔ BS 800, VDE 0875, EN55014, EN50081-1, EN50082-1, IP20 to EN60529

Cat No	Description
73010	Act 6+, dual 15A sockets
73030	Act 6+, dual 15A sockets, with Multi-mux module
73012	Act 6+, dual Schuko sockets
73013	Act 6+, dual Schuko sockets complete with mains cable 2.5m and CEE17 plug 3P+N+E
73032	Act 6+, dual Schuko sockets, with Multi-mux module
73033	Act 6+, dual Schuko sockets, with Multi-mux module complete with mains cable 2.5m and CEE17 plug 3P+N+E

73018	Act 6+, dual CEE17 16A sockets
73038	Act 6+, dual CEE17 16A sockets, with Multi-mux module
73020	Act 6+, blank socket panel
73040	Act 6+, blank socket panel, with Multi-mux module

Act 6+ Accessories

Cat. No.	Description
76030	Multi-mux module, D54/DMX512
61106	6-way & master control desk
66090	DIN8 2m control cable
66091	DIN8 5m control cable
66092	DIN8 25m control cable
66083	DMX control cable, 2m
66081	DMX control cable, 10m
66082	DMX control cable, 25m

- Six 10A 230V dimmers in a rugged, portable economical pack
- Ideal for temporary lighting rigs, or small installations
- Two sockets per dimmer, analogue or optional DMX512/D54 multiplex control
- Analogue input accepts positive or negative control signals
- Optional plug-in Multimux module gives multiplex control capability and integral chase effects feature
- Push-button test switch per dimmer with adjustable test level and "test on" indicator
- Fuse "OK" LED indicator per dimmer
- Provision for wall mounting or 19" rack mounting
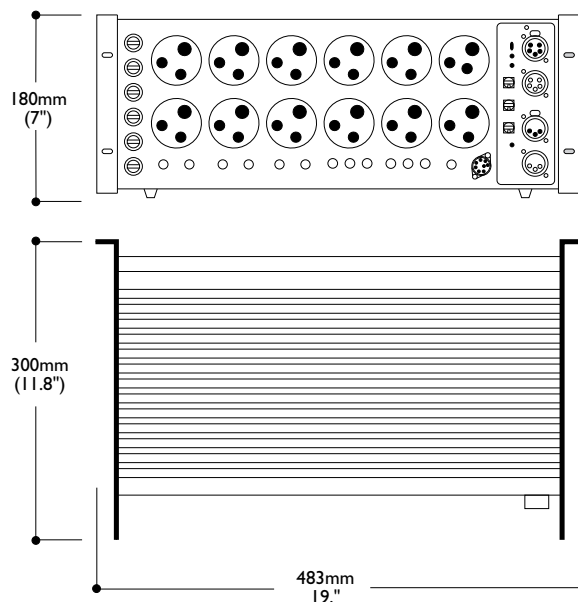- For use with suitable RCD devices

A GUIDE TO SYMBOLS AND ABBREVIATIONS

GENERAL V Supply voltage A Current rating in amps W Wattage Weight of product Overall dimension of product Packed weight Packed volume ✔ Compliance with international standards. H Quantity of dimmers $\longrightarrow$ Control protocol **IP** International Protection Standard

Electrical

Supply Voltage / Frequency	194 - 264V, 48 - 62Hz Three phase plus neutral and earth, or single phase plus neutral and earth when phase link bar is fitted. Main power connector should be 60A or greater (single phase), 20A or greater (three phase). Recommended connector type: CEE 17 BS4343
Total Capacity	Six dimmers with two sockets per dimmer. Maximum load 10A per dimmer - total 60A resistive (tungsten) loads only. Minimum load 200W per dimmer.
Control	Analogue auto-sensing 0V to - 10V (full-on) via 10KΩ resistor and silicon diode, or 0V to +10V (full-on) via 1K resistor and silicon diode. When Multimux module is fitted, analogue and either Strand D54 or DMX512 Mux signal can function simultaneously, with the dimmer responding to the highest level. Dimmer test switches - switch any dimmer to a preset level.

Operational Data

Connections	Mains input cable can be inserted through a 25mm or 32mm cable entry hole in the rear panel or 32mm hole in the left hand side, using a suitable cable gland. Load connections are made with individual plugs (maximum 2 per circuit)
Circuit Protection	Each dimmer module is protected by a 10A HRC 32mm x 6.3mm (1.25" x 0.25") fuse.
Control Input	Analogue 0V - 10V (+/-), via 8 pin locking DIN connector on front panel. DMX512 (1990) multiplexed digital control and Strand D54 multiplexed analogue control via 3 pin XLR connector, both on Multimux module faceplate. (Multiplexed control inputs are only available when the optional Multimux module is fitted.)
LED Indicators	Indication of power available to each dimmer (fuse OK). When fitted with Multimux module LED's indicate the presence of D54 or DMX multiplex signal and status of DMX line termination.
Control Cable Entry	Plug connections to the front panel.
Output	Max 2.4kW per dimmer. Dimmers are rated for continuous loads.
Local Control	The test level is factory set at approximately 70% of full intensity. It is adjustable from 40% to 80% through the base plate. With the Multimux module fitted the auto-sequencing step and fading chase effects are preset and initiated by setting the pack address switches in the range 600 to 999.
Cooling Method	Extruded heatsink case provides adequate cooling in any well-ventilated position.

Environmental Data

Ambient Temp Operating Range	0°C - 35°C.
Relative Humidity Operating Range	10% - 95%, zero condensation.
Operating Environment/ Ventilation	Clean, dry ventilated space within temperature and humidity limitations.
Standards Compliance	BS800. VDE 0875, EN55014, EN50081-1, EN50082-1
Ingress Protection	IP 20 (IEC529/EN60529).

Mechanical Data

Finish/Color	Grey powder coat epoxy paint.
Labelling	Strand Lighting in white.
Construction	Extruded aluminium heatsink forms the upper section of the case, with sheet metal chassis and side plates. Carrying handles are formed into the side plates which are reversible for 19" rack mounting.

Weights and Dimensions

	Weight	Height	Depth	Width
Act 6+	9.6kg/21.12lb	188mm/7.4"	275mm/10.8"	483mm/19."
Packed Volume	0.107m³ (3.81cu ft)			

Strand Lighting