



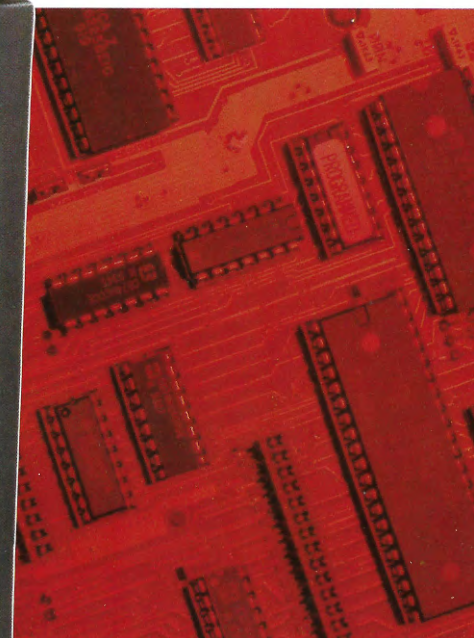
The shape of things to come



ID
S E R I E S

the Intelligent

D I G I T A L
dimmer



zero88
A touch of Brilliance

ID

S E R I E S

The shape of things to come

At the leading edge of digital dimmer design, the ID Series offers a sophistication never previously available to the volume portable dimmer market.

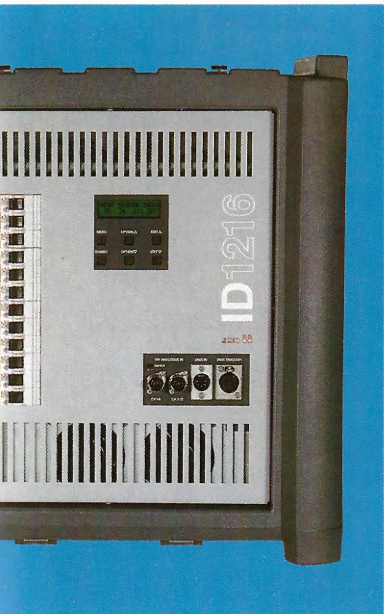
With its unique protective polyethylene case and interlocking stacking design, this high density dimmer breaks the mould for all the previously accepted standards.

- ▶ 12 CHANNELS X 16 AMPS.
- ▶ 6 CHANNELS X 25 AMPS.
- ▶ INTERLOCKING DESIGN FOR STABLE STACKING.
- ▶ HIGH IMPACT, POLYETHYLENE CASE WITH PROTECTIVE DOORS FRONT AND REAR.
- ▶ SIMULTANEOUS CONTROL BY DMX512, AND + OR - 10V ANALOG.
- ▶ FRONT PANEL PUSH BUTTON ACCESS TO MULTI-LANGUAGE MENUS.
- ▶ BACK LIT LCD DISPLAYS FOR SELECTABLE DIMMER LAWS AND START ADDRESS.
- ▶ DIAGNOSTIC TEST MENU.
- ▶ EMERGENCY PROGRAMMABLE BACK-UP MEMORY.
- ▶ FAN COOLED.
- ▶ OVER TEMPERATURE PROTECTION.

ID - THE INTELLIGENT DIMMER TECHNICAL FEATURES

- ID 1216 is continuously rated at 3kW per channel at 230v, with a total load of 164A.
- ID 625 is continuously rated at 5kW per channel at 230v, with a total load of 150A.
- Mains and Control Input over-voltage protected.
- Simultaneous control by DMX512 and plus or minus 10v analog.
- Front panel push button access to multi language menus.
- Back lit LCD display.
- Selectable start address.
- Selectable dimmer laws (individual channels).
- Softpatch.
- Emergency programmable back up memory or retention of current state.
- Diagnostic test menu including DMX Test/Error reporting.
- Automatic compensation of mains voltage fluctuations.
- Automatic monitoring of internal temperature.

THE ID SERIES OF PORTABLE DIGITAL DIMMERS IS CONTROLLED BY A DMX512 - 1990 DIGITAL SIGNAL (AND EARLIER).



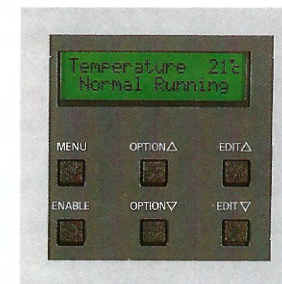
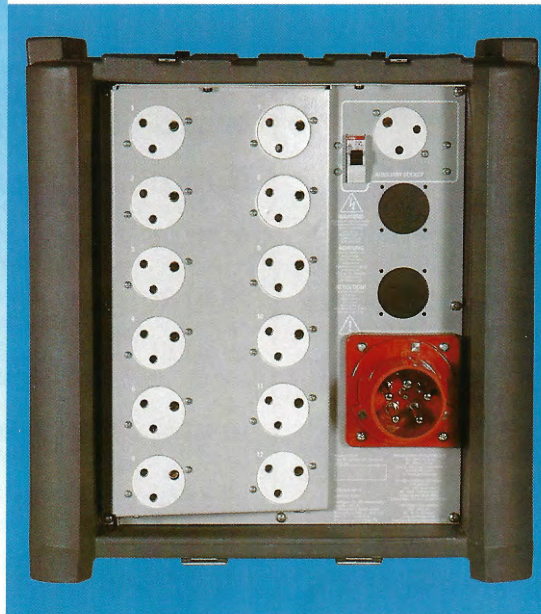
12 CHANNEL X 16A PER CHANNEL VERSION.

It is complete with 16A individual channel circuit breakers (13A breakers on UK version), and a choice of international output connectors located on the rear panel.

Output sockets available are :

UK 15A (illustrated); Schuko; French; Swiss; Harting; Socapex or CEE17.

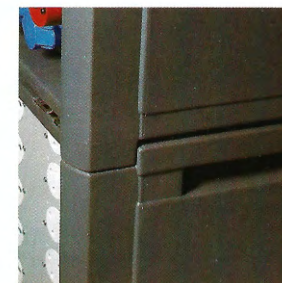
All versions feature an extra auxiliary output socket suitable for the model.



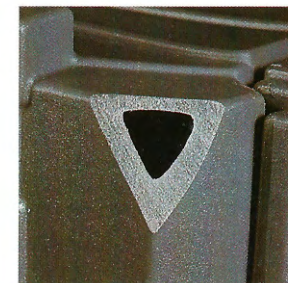
The multi language back lit 'status' displays offers the user many menu selectable features.



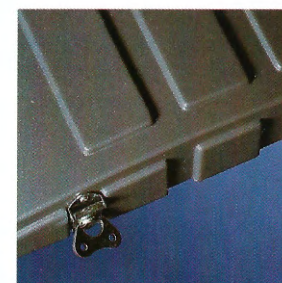
Built in 'easicarry' handles.



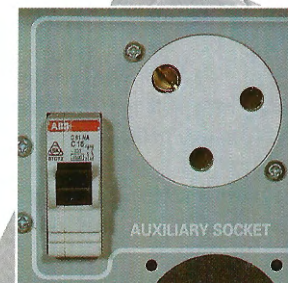
Carry handles interlock with base of second dimmer for stable stacking.



4mm thick high impact polyethylene construction for on the road durability.



Removable protective front and rear covers.



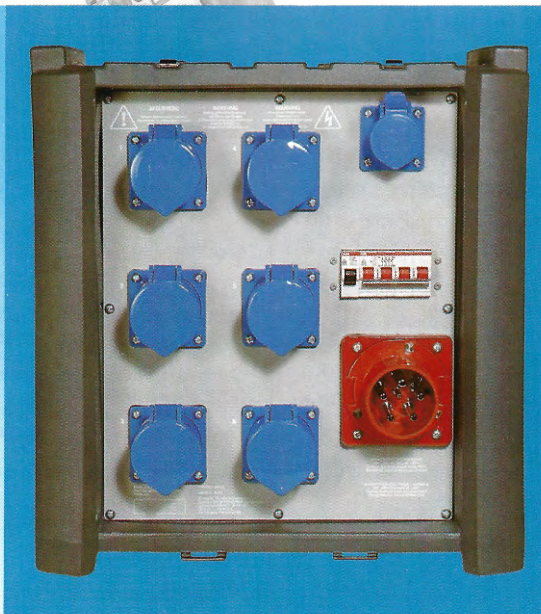
A great idea - the auxiliary output socket offers a multitude of uses.



6 CHANNEL X 25A PER CHANNEL VERSION.

It is complete with 25A individual channel circuit breakers, and 32A CEE17 output connectors located on the rear panel.

A 16A CEE17 auxiliary output socket is included with this model.



ID

SERIES

The ID series of high density digital dimmers breaks the mould for all previously accepted standards in the portable dimmer market.

It is available in 2 models:

ID - 1216. 12 channels x 16A (max. total load 164A) is continuously rated at 3kW per channel and is complete with 16A individual channel circuit breakers; and the choice of Harting, Schuko, French, Swiss, Socapex, UK 15A (with 13A breakers) or 16A CEE17 o/p connectors.

ID - 625. 6 channels x 25A is complete with 25A channel breakers and 32A CEE17 connectors.

Both models include input isolators; with simultaneous control by both DMX 512 and +/- 10v analog, and all versions feature an extra auxiliary output socket.

Its unique protective casing, made from lightweight high impact polyethylene, provides heavy duty protection. The interlocking design facilitates stable stacking during use or transportation, making a conventional flight case unnecessary. Built in 'easycarry' handles and low weight make the unit extremely portable. Also moulded into the case is provision for casters.

The removable front and rear clip-on doors protect the rear input/output panel, available with a wide variety of national and international connectors, and the front panel with its multi-language LCD display, control input connectors and channel circuit-breakers.

The back lit 'status' LCD display has user selectable menus available in English, French and German, and features facilities including selectable start address; channel grouping; preheat; topset; soft-patch; emergency back-up memory states; selectable dimmer laws; and full test diagnostics.

Of particular interest is a programmable 'restricted access' mode which may be applied to many of the above features. This offers obvious advantages to dry hire and rental companies, who will also appreciate the 32 character text memory included in the LCD display. This memory will store an 'owner identification' message which is displayed at turn on or by holding down the menu button. A useful graphic representation of channel input levels also forms part of the LCD display.

Voltage compensation, whereby output levels are adjusted to compensate for variations in supply is another powerful feature. When a global maximum voltage is set (at or below the supply voltage), channel control then becomes a percentage of that voltage. As the supply varies, the control electronics constantly adjusts the output to maintain the constant percentage required.

Every operator knows the anxiety of losing a DMX signal, plunging the stage into sudden darkness. This potential problem has been catered for in three ways:

1. The ID will hold the last data received (ie., it will remember the last cue).
2. It will crossfade to any of 10 user programmable backup memories.
3. It will fade to zero allowing full analog control from a simple back-up desk.

In common with all dimmers of this calibre the ID is fan cooled. However the ID keeps its dual fans under control with Controlled Temperature Monitoring. A real boon when working in high ambient temperatures. In the unlikely event of serious overheating however, Zero 88 have included a progressive shut down feature which will intelligently close down circuits until the dimmer is brought back to a safe operating temperature.

Mains and Control input overvoltage protection makes for an extremely robust dimmer.

This is professional stage lighting equipment and should only be used by, or under the supervision of, suitably trained qualified and authorised staff.

Stock No	Model
00 411 11	12 ch x 15A - 12 UK sockets
00 411 21	12 ch x 16A - 12 double Schuko sockets
00 411 22	12 ch x 16A - 12 triple Swiss sockets
00 411 23	12 ch x 16A - 12 double French sockets
00 411 41	12 ch x 16A - 2 Harting connectors
00 411 42	12 ch x 16A - 2 Socapex connectors
00 411 61	12 ch x 16A - 12 CEE17 connectors
00 412 62	6 ch x 25A - 6 CEE17 32A connectors

Other language versions of the user manual are available by separate stock code.

TECHNICAL SPECIFICATION

1, 2 or 3 phase input.

Voltage range:	180v to 260v (85v to 130v if factory set)
Over Voltage Protection:	500v phase to neutral
Mains Frequency:	45Hz to 65Hz Auto sensing
Power Consumption:	Less than 30W for no load
Earth leakage:	Less than 5mA
Output protection:	16A (13A UK) and 25A thermal magnetic circuit breakers one per channel with neutral disconnect

Breaking Capacity:	To EN 60898, 4.5kA	
Max. Load (per channel resistive at 230v):	1216	625
	(short term) 3.5kW (continuous) 3.0kW	5.5kW 5.0kW
Continuous Max. total load (at 230v resistive):	36.0kW	30.0kW
Min load per channel resistive:	25.0W	100.0W
Current Waveform Rise Time:	>70µs	>200µs
Operating Temp.:	40°C max ambient - minimum 5°C non condensing	
Audible Fan Noise:	32 DbA	
Manufactured to:	EN 55014, BSEN 60065	

Product Dimensions & Weight:		1216	625
H: 50.0cm (19.7in)	W: 47.5cm (18.7in)	D: 52.0cm (20.5in)	Weight: 27kg (59.5lb)
Shipping Dimensions & Weight :		1216	625
H: 64.5cm (25.4in)	W: 61.0cm (24.0in)	D: 61.5cm (24.2in)	Weight: 28kg (61.7lb)
Plastic Case:			
Fire retardant to		BS 476 pt 7 CLASS 4	
Retains mechanical strength to		Minus 15°C	
Material		Polyethylene	
Analog Input :			
Voltage		+/- 10v autosensing via a locking DIN on the front panel	
Impedance		100k Ω	
Overload capability		+/- 40v continuous	

DC Output (for simple control desks) :		20v nominal (18v to 28v) supply to both DIN connectors, switched + or - via front panel, max. current 200mA (electronically fused)	
DMX Details:			
Input :		Via 5 pin XLR hardwired to "pass through" to the 5 pin XLR output socket Optical isolation to withstand 240v, with electronic circuit giving full EIA (RS) 485 sensitivity	
Loading :		Less than one unit load	

DEALER

ZERO 88
A touch of Brilliance

SALES & SPARES

Hart Rd, St Albans, Herts AL1 1NA, UK

From 16 April 1995:

Tel: +44 (0)727 833271 Tel: +44 (0)1727 833271
Fax: +44 (0)727 843676 Fax: +44 (0)1727 843676

FACTORY & SERVICE ONLY

Usk House, Lakeside Close, Llantarnam Industrial Park, Cwmbran, Gwent NP44 3HD, UK

From 16 April 1995:

Tel: +44 (0)633 868099 Tel: +44 (0)1633 868099
Fax: +44 (0)633 867880 Fax: +44 (0)1633 867880