CONNECTIONS

BETAPATCH • DEMUX 48
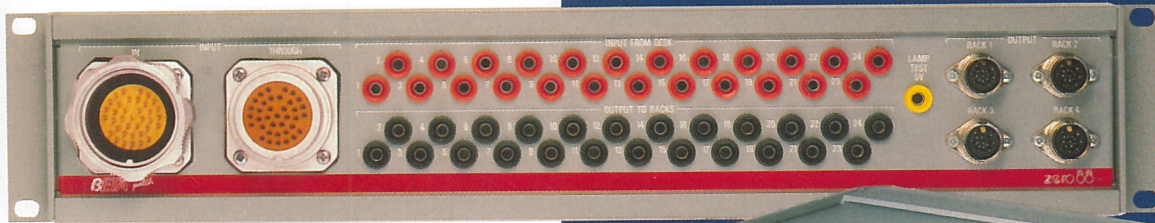
the PLUG·PATCH system

▶ 24 CHANNELS
▶ 19" RACKMOUNTING
▶ STACKING PATCH PLUGS
▶ LAMP TEST FACILITY
▶ ROBUST CONSTRUCTION
▶ SOCAPEX 'IN' AND 'THROUGH'
▶ CONTROL VOLTAGE FROM
  −15 TO +15 VOLTS

the DMX to ANALOGUE converter

▶ 48 OUTPUT CHANNELS
▶ PROGRAMMABLE START CHANNEL
▶ PROGRAMMABLE BACKUP MEMORY
▶ MEMORY FALLBACK IF DMX FAILS
▶ INDIVIDUALLY PROGRAMMABLE CHANNEL LAW
▶ INDIVIDUAL CHANNEL TEST FACILITIES
▶ 19" RACKMOUNTING OR FREESTANDING

zero 88

A touch of Brilliance

DEMUX 48

The Demux 48 demultiplexor is designed to convert DMX512 into standard analogue control. This enables owners of analogue dimmers to gain all the advantages of multiplexing without the expense of changing to digital dimmers. The Demultiplexor is able to output +5, +10 or +15v as standard. If negative voltages are required, one or two 24 channel Negative Output Kits (Stock No. 291) may be fitted allowing simultaneous positive and negative outputs.

Using the front panel push buttons and LED display, the user may program the Demux 48 start channel. The start channel is the first channel that is addressed in a block of 48. For example, a control desk of 48 channels is to address 96 channels of dimming via DMX512. Two multiplexors will be necessary-one with a start channel of '1', which will address channels 1 to 48, and the second with a start channel of '49' for the remaining channels 49 to 96.

Demux 48 also features a programmable backup memory. This protects against the accidental loss of the DMX512 control signal from the control desk. In such an event, the demultiplexor can be programmed to either retain the current lighting state or automatically cross fade to a special pre-programmed back up lighting scene.

The Demux 48 can output any of the 4 major dimming laws in use: linear, square, S-law or switched. Each output channel may be individually programmed to any one of these laws using the front panel buttons.

The start channel, the back up memory state and the channel output laws are all kept permanently in memory with the aid of a rechargable battery, even when power is off. This allows the unit to be used as a stand alone lighting controller utilising the back up memory to create a static lighting scene, e.g. an exhibition stand where a full size memory board would be superfluous to requirements.

Any channel may be cycled from zero to full output for test and fault finding purposes by simple user programming using the front panel switches.

The Demux 48 may be either rackmounted or freestanding and must be connected to the control desk via a shielded, twisted 2-core cable approved for RS422/485, terminated with a 5 pin XLR plug and socket.

COMPLEMENTARY PRODUCTS

BETAPACK
A range of 4U high rack/wall/freestanding 6 channel x 10 amp dimmer packs which offer a wide and comprehensive selection of output socket options.

BETAPACK plus
A range of 4U high rack/wall/freestanding 6 channel x 10 amp dimmer packs with a selection of output socket options and Local Control using six channel faders and a master.

RACKMASTER 260
A 6 channel x 10 amp high density dimmer pack built to the highest specifications. The 'high density' pack is designed to use as little space as possible and Zero 88 have engineered a full 60 amp dimmer into an incredible 2U (3.5"/88mm) high, fan cooled box.

TECHNICAL SPECIFICATION

Data reception conforms to USITT DMX 512-1990 standard and earlier.

POWER SUPPLY	200 to 260 volts AC 100 to 130 volts AC (fused internally)
INPUT	Power feed to unit via IEC cable supplied.
STANDARD OUTPUTS **(internally selectable)**	0 to + 5 volts or +10 volts or +15 volts Eight 8 pin locking DIN sockets on the front. The rear panel is prepunched to accept Socapex and QM connectors. A 30ch Socapex kit is available (Stk No. 294).
OPTIONAL OUTPUTS	One or two internally fitted 24ch Negative Output Kits (Stk No. 291) can supply negative outputs simultaneously with positive outputs. Both outputs are at the same voltage. An optional rear panel (Stk No. 259) is available prepunched for XLR7, Bleecon and DIN sockets. The following output kits are available: XLR7 (Stk No. 492), Bleecon (Stk No. 493), 8 pin Locking DIN (Stk No. 490).
MAX. OUTPUT	5 mA continuous. Short circuit protected.
OPERATING ENVIRONMENT	5 to 40ºC non condensing
SIZE	433 x 85 x 240mm 17.5 x 3.4 x 9.5 inches
WEIGHT	5kg (10lbs)

SIRIUS 24
A 24 channel, 2 preset lighting console with 398 available level cues, 9 programmable level chases with sound to light, timed crossfades in memory, a 32 kb. Memory Card and a 'GO' button -the single action, memory sequence playback.

SIRIUS 48
A 48 channel, 2 preset lighting console with 398 available level cues, 9 programmable level chases with sound to light, timed crossfades in memory, a 32 kb. Memory Card and a 'GO' button -the single action, memory sequence playback.

SIRIUS DMX & SOFTPATCH KIT (Stk No.284)
This kit enables a Sirius 24 or 48 to output DMX512 control signals on 512 channels. It includes a 'softpatch' facility which enables any Sirius channel to be patched to one or more DMX channel.
Please note that this kit cannot be fitted to the original 24 channel Sirius, which for ease of identity, has no 'Insert' button fitted.

BETAPATCH

A simple and effective method of patching control channels to a variety of dimmer channels using patch cords.

Designed to complement the Betapack range of dimmers, it can be used with any standard analogue dimmer including Zero 88's Rackmaster range. It may be used with any control voltage from +15v to –15v (Input and Output voltages are always the same).

The 24 channel Betapatch is 19" wide, and is robustly constructed from aluminium extrusion and mild steel. It is supplied with rackmounting brackets.

Betapatch features Socapex 'IN' and 'THROUGH' connectors, with ring locking DIN sockets for dimmers. 24 patch cords are included with stacking plugs and adequate cable length to patch between adjacent Betapatches. A 5 volt lamp test facility is included.

A spare pack of 10 patching cords is available (Stock No. 545).

TECHNICAL SPECIFICATION

INPUT CONNECTOR	37 way fixed Female Socapex
THROUGH CONNECTOR	37 way fixed Male Socapex
OUTPUT CONNECTORS	Four 8 pin locking DIN sockets
MAX. SIGNAL VOLTAGE	+ or -15 volts DC
SIZE	433 × 85 × 75mm 17.5 × 3.4 × 3 inches
WEIGHT	2kg (4.5lbs)

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