

# EMO

by Canford



DESIGNED FOR AUDIOPHILES · BUILT FOR HARD WORK

Racklight · Mains Distribution · Sequential Switching  
Phantom PSU · Microphone Splitters · Line Splitters  
D. I. Boxes · Cable Testers

## ABOUT EMO

Founded in 1973, the EMO reputation for reliability and audio fidelity was earned in professional studios and in touring and conference rigs worldwide. Rugged mains panels and sequential mains switching units, microphone splitters and direct injection boxes that withstand years of abuse on the road are in daily use by leading engineers and artists.

Manufactured in the UK by Canford since 2000, simplicity of design and use of the highest quality components remains the philosophy behind the EMO range.

Less is definitely more when reliability and longevity really matter.

## RACKLIGHT RK1



The choice of many high profile PA rental companies, the Racklight occupies 1U at the top of equipment racks and illuminates equipment mounted below while keeping light spillage into adjacent areas to a minimum.

The lamp tray slides in and out on runners and works on the fridge door principle i.e. the light goes out as the tray clicks shut. Once shut, the tray locks in position to prevent accidental opening. Illumination is provided by three 12V festoon lamps (38mm). In the event of a bulb failure, the remaining lamps continue to operate. Spares are readily available world-wide.

Two levels of illumination are selectable from a front panel switch.

The Racklight is Mains powered and is available in two versions, 100/120V A.C. and 220/240V A.C.

## E-SERIES AC POWER DISTRIBUTION SYSTEM



E625 / 630 MDU

A range of robust 13 amp AC mains power distribution panels for 19" rackmounting.

Suitable for both fixed and mobile installations, they offer 13A or 10A IEC mains outlets on the rear and some models feature 13A outlets on the front panel.

All have a fixed AC mains power inlet cable (2m).

## C-SERIES AC POWER DISTRIBUTION SYSTEM



C601 / 604 MDU

### C600 AC Power Distribution Units

A range of rugged 16 amp AC power distribution panels engineered to provide a versatile and safe solution to the problem of powering diverse combinations of equipment.

Features include a locking 16A Ceeform style mains inlet, a directly wired 16A Ceeform 'loop out' and 'power present' plus 'fuse fail' indication. Outlets are combinations of UK 13A and IEC 10A sockets.



C660 MDU

### C660 AC Power Distribution Units

This 32A AC power distribution panel was originally designed for use with high power amplification racks and their processing units. The combination of fused 16A and 13A power outlets makes this versatile panel suitable for many other applications.

Moveable rack ears allow the panel to be recessed in the rack.

## SEQUENTIAL SWITCHING



CR6, CM6 and CS6  
Switcher System

A range of products designed to switch audio and other systems on and off in a specific order. This protects the local AC mains power supply from excessive surges and reduces the risk of damage to delicate loudspeaker systems from full volume 'pops' and 'thumps' generated at switch-on/off.

Built in or remote coded keypads prevent accidental or unauthorised operation.

Controlled from a single master, up to eight slave units may be cascaded to increase outputs.

CR32 Remote  
Keypad



## PHANTOM PSU



E720  
Battery Phantom  
Power Supply

A range of 48V phantom power supplies for use in studio, broadcast, public address and stage applications. Battery operated and AC mains powered models available.

Designed to work with balanced microphone inputs, the **E720** is a single channel battery powered unit which produces a 48V phantom supply from one 9V battery. It is ideal for use with portable digital recorders and other equipment which have no suitable built-in 48V supply.

The **E725** dual channel phantom power supply is powered from the AC mains. It is suitable for use with any microphone requiring 48V phantom powering, including large diaphragm studio capacitor microphones with their associated high current draw. Comes complete with removable IEC AC mains lead.



E725  
Dual Phantom  
Power Supply

## MICROPHONE SPLITTERS / COMBINER

These stunningly accurate 3-way, transformer based microphone splitters are available as free standing units or as rack frame mounting modules. They offer galvanically isolated, microphone level feeds and are designed for professional use wherever first class audio performance and utmost reliability are required.

The splitter has a single input and three outputs. One is direct and two are transformer coupled, one of which will pass phantom power to the input (internally switchable).

The microphone splitter is fitted with two phase-change switches and an earth-lift switch. This combination can solve most operational problems.

Microphone splitters are available as free standing units or can be supplied factory fitted in the E336 19" rack mount frame. A combination of microphone splitters, line splitters and DI boxes can be factory fitted within the same rack frame.

The **E345 Microphone Combiner** uses the same audio transformer as our microphone splitters. It combines the output of two microphones and supplies a single, microphone level feed. Phantom power can be passed to both inputs if required.



E340

6-Channel Microphone Splitter (3U)



E335



E325



E345

## LINE SPLITTERS

These professional quality 3-way transformer based line splitters are designed for applications where first class audio performance combined with the ability to handle signal levels up to +24dBu is required. Available as free standing units or rack mounting modules.

Up to six line splitter modules may be factory fitted within an E336 19" rack mount frame or may be combined with microphone splitters and DI boxes.



E370



E375

6-Channel Line Splitter (3U)

## DI BOXES

The industry reference for many engineers, these extremely rugged transformer based DI boxes offer the excellent audio performance expected of the best active DI boxes, with none of the complicated, delicate circuitry to fail.

The range comprises single, dual and multiple channel direct injection boxes for studio, broadcast, public address and stage applications.

The dedicated inputs cater for connection of guitars, keyboards and other line level sources as well as loudspeaker outputs including 100V line.

The XLR output provides an isolated, balanced, low impedance microphone level signal. If ground loops are a problem, the earth-lift switch can often supply a simple solution.

The EMO direct Injection Box is also available in a rack mounting version suitable for permanent installation in studios, OB vans and mobile sound systems etc.

The **E336 19" rack frame (3U)** will accommodate up to six modules. A combination of microphone splitters, line splitters and DI boxes can be factory fitted within the same rack frame.

Unused spaces in the frame can be filled with **E337** blanking plates.



E525

Dual Channel DI Box



E520

Single Channel DI Box



E545

6-Channel DI Box (3U)



E336

19" Mounting Frame (3U)

## 8-CHANNEL DI BOX

The **E580** offers eight channels of passive DI box in a compact 1U rackmount format for applications where rack space is limited and multi-channel operation is required.

With a depth of only 100mm it may be mounted in the rear of most equipment racks.

Reversible rack ears allow the user to choose the orientation of the DI box in the rack.

Internal headers determine whether the input and output jack sockets are connected in parallel or half normalled. Either jack socket is selectable as master and will, when a plug is inserted, disable the opposite jack socket.

The XLR output provides an isolated, low impedance, balanced microphone level signal.

Switchable input sensitivity permits interfacing with a wide range of audio equipment ranging from guitars and keyboards to loudspeaker circuits.

Earth-lift facilities on each channel help eliminate ground loops.

The facilities offered on the **E580** together with its compact size make it ideal for use in keyboard racks in both recording and live situations.



E580 8-Channel D.I. Box



E580 8-Channel D.I. Box

## CABLE TESTERS - LINE AND LOUDSPEAKER

The majority of faults found in professional audio occur in interconnections. Now you can pin-point these faults quickly and efficiently with an EMO Cable Tester. These lightweight and versatile products eliminate the problems often associated with conventional fault tracing methods.



**E445** **E445 Standard cable tester** will test 3-pin XLR, ¼" A-gauge jack and phono leads, most commonly used fuses and other continuity paths using the test leads supplied.

**E446** Similar to the E445 but fitted with B-gauge jack sockets.



**E447** **E447 Remote cable tester** will test long cables where it is impossible to bring both ends to the tester.



**E448** Tests cables fitted with the popular Neutrik NL4FC 4-pole Speakon connector.

E496 DMX Adapters allow the E445, E446, E447 and E450 cable testers to be used to test the primary circuit of industry standard three wire DMX connections on five pin XLR connectors. Two adapters are required for each cable tested.



**E450** Tests cables fitted with Neutrik NL8FC 8-Pole and NL4FC 4-pole Speakon connectors, 3-pin XLR and 2-pole and 3-pole A gauge jacks. EP style retro-fit connector kits can be mounted in cut-outs in the rear - 4, 5, 6 and 8 pin versions available.

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by Canford

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