



## USER GUIDE

The DC-412 is a 12 volt unregulated DC power supply, designed to power multiple keyboards in schools and other teaching environments, and for live use on stage and in the studio. It is capable of powering 4 large keyboards with a current rating of 1 amp per keyboard, including those with large LCD screens. It is not intended for use with guitar-type foot pedals, which need a regulated power supply.

### IMPORTANT - READ *BEFORE* USE

Casio and Yamaha have chosen to have opposite polarities for their keyboard power supplies:- Casio is 'centre pin-negative', and Yamaha is 'centre-pin positive'. If you use a power supply with the wrong polarity, a) the keyboard will not work, b) the keyboard may be damaged, and c) the keyboard or power supply will probably blow a fuse. Therefore, please note that the DC-412 from MTR Ltd. is factory set to the Yamaha standard, centre pin positive. Use **only** with products requiring this polarity, unless your supplier had included special DC leads wired for centre pin negative.

### CONNECTIONS AND USE

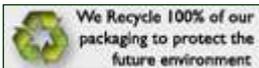
1. On UK models, insert the supplied mains Europlug into the rear panel socket, and the 13 amp 3 pin plug into a suitable mains power outlet. Export models may have a local plug fitted, or need to have an appropriate plug fitted by the dealer/user.
2. Connect the four outputs on the front panel to four keyboard power input sockets using the 3-metre DC leads supplied.
3. If a fault should develop, the current limiting circuitry instantly will shut the unit down, and the 'fault' led on the front panel will illuminate. The rear can become hot. When the fault is removed, the DC-412 will re-set automatically. Carefully examine all DC leads for shorting, and damage to the DC plug. Any suspect leads should not be reused. Remember that if you place this unit under a bench, you may not be able to see the fault warning light!

### TECHNICAL SPECIFICATION



Power: 230v AC 50Hz or 110v AC 60Hz (export only)  
DC Output: 12v @ 4.1 amps, unregulated

Single socket out: 1 amp max  
Mains fuse: 220-230v, 800mA



Also from MTR Ltd: **HPA-2** and **HPA-6** Headphone amps, **DI-2 & DI-3** active DI boxes, **DI-1 & DI-2P** passive DI boxes, **PS-4 & PS-8** passive splitters, **PPS-48** Phantom Power supplies, **DC-8 DUAL** 8 way 9v DC power supplies, **Proline & Studioline** acoustic foam sound absorption panels.

We also distribute **stageClix** digital wireless systems, **McGregor Amplification**, **A-Designs Audio**, **Celestion**, **Fane** and **Precision Devices** chassis drivers, **RaxX** expandable 19" racking systems, and **ATM** Cables.

*We welcome owner/user feedback, and thank you for buying British!*

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