



6 CHANNEL 48V PSU E730 INSTRUCTIONS FOR USE

CAUTION:

- DO NOT REMOVE ANY COVERS WITHOUT REMOVING THE MAINS SUPPLY.
- DO NOT OPERATE THE UNIT WITH ANY COVERS REMOVED.
- ALWAYS REPLACE ANY FUSE WITH THE SAME TYPE AND SPECIFICATION.
- THIS UNIT MUST ALWAYS BE EARTHED.
- TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS ITEM TO RAIN OR MOISTURE.
- THIS PRODUCT IS NOT DESIGNED FOR USE IN A DOMESTIC ENVIRONMENT.

Models

- EMO PHANTOM POWER SUPPLY E730 (20-730)

Mains Supply

The Phantom Supply is designed to operate satisfactorily on a 50/60Hz supply of nominally 230V or 115V (+10%-15%). Supply voltage selected is via a slide switch on the side of the unit. To change the operating voltage the unit must be removed from the rack and the supply must be isolated. After altering the supply voltage switch move the plastic indicator on the rear panel adjacent to the supply fuse to show the correct voltage.

- DO NOT CONNECT TO AN INCORRECT SUPPLY VOLTAGE -

The unit should be checked for electrical & mechanical safety at appropriate intervals depending on usage. Particular attention should be given to ensuring satisfactory earthing. Earth bonding & insulation resistance should be checked at initial installation. Provision should be made to isolate the supply should any servicing of the unit be required. Under no circumstances should the mains supply earth be disconnected.

Important

The wires in the mains lead are coloured in accordance with the following code:

Green-and-yellow:	Earth
Blue:	Neutral
Brown:	Live

As the colours of the wires in the mains lead may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

- The wire which is coloured green-&-yellow must be connected to the terminal in the plug which is marked with the letter E or coloured green-&-yellow.
- The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured blue
- The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured brown.

If a UK 13A square pin plug is to be fitted then a 3A fuse should be used. If another type of plug, or a permanent connection is made then a suitable protective device or fuse should be used to protect the 0.75mm² supply cable.

Operation

The unit should be securely fitted to a 19" rack before use. Thought should be given to rear support in mobile applications. Connection to microphones are on standard 'XLR type' connectors wired to international standards, viz

- Pin 1 - Gnd (0V)
- Pin 2 - Signal +ve.
- Pin 3 - Signal -ve

This unit should only be used with balanced connections.

It is not suitable for microphones requiring T-power



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Troubleshooting

The unit should provide a long and trouble free life. If you suspect that the unit may not be operating properly the following should be checked.

DO NOT REMOVE ANY COVERS WITHOUT ISOLATING THE UNIT FROM THE MAINS SUPPLY.

1. If the LED on the front panel is not lit, check that the mains supply is ok & that the rear panel fuse is intact (see section on fusing below). Check also that the correct mains supply has been selected. See the paragraph on the preceding page about supply selection.
2. If the front panel LED is lit check (with a meter set to read DC volts) that 48V (2) appears between Pin1 & Pin2, and between Pin1 & Pin3 on the channel that you think is malfunctioning. If the voltage is correct then the fault lies external to the unit.

Should either of the above show a fault with the unit, please return the item to your dealer for service, or contact ourselves.

Fusing

The fuse fitted to rear panel should only be replaced by the correct type. It is:-

500mAF HBC 5mm x 20mm (to IEC 127 or BS 4265)

Never fit any other type, size or rating.

Always remove power before replacing the fuse.

Under normal usage the fuse should never fail.

It is usual for a fuse failure to indicate that an abnormal event has occurred.

It is recommended that a full safety check of the unit should be undertaken if a fuse has failed.

Contact your local dealer for advise.

For further information or servicing please contact your local E.M.O. Dealer.