

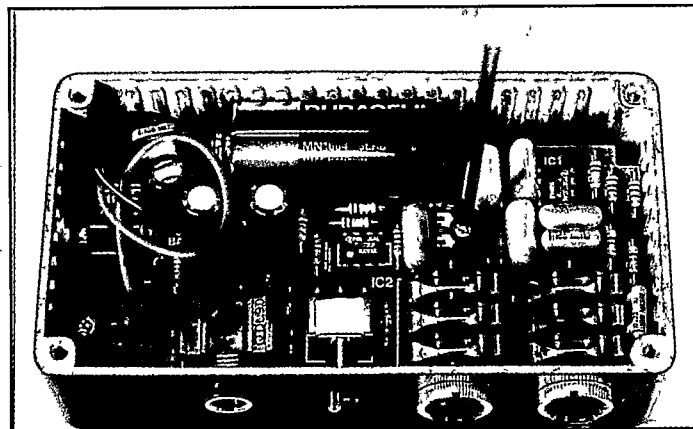
## GAIN BRAIN MIC/LINE BOOSTER

### INSTRUCTIONS FOR USE

The Gain Brain is a device for boosting unbalanced or balanced (use a stereo jack plug) microphone signals, or instrument signals, through their own dedicated input sockets up to line levels of -10dB, 0dB or +4dB. The unit is ultra quiet in operation and applications include acoustic 'bug' to combo preamp, a mic direct into an effects unit or slave amp, keyboard level matching, boosting low output mics to feed low gain mixer inputs, etc.

The sensitivity of both mic and line inputs can be adjusted by removing the top cover, and using a screwdriver to alter the pre-set gain pot mounted on the printed circuit board. Turn to the left if distortion is occurring, and to the right if more gain is needed.

The output level is determined by setting the switch to the appropriate position.



The unit can be powered in two ways: by a 9 volt 'PP3' battery (not supplied), fitted by removing the lid and connecting the battery terminals. It is switched on and off by the insertion and removal of a jack plug in the output socket. Always ensure that this lead is disconnected after use to prolong battery life. A 'battery-low' led warns that the battery needs changing.

Alternatively, use an external 9 volt DC power supply plugged into the DC input. N.B: observe the polarity printed on the lid - centre pin negative, outer ring positive.

### SPECIFICATIONS:

Mic Input:	Sensitivity adjustable from 10mV to 50mV RMS. Impedance 600ohm to 47Kohm balanced or unbalanced.
Instrument Input:	Sensitivity adjustable from 30mV to 160mV RMS Impedance 1 Megohm.
Output:	-10dB, 0dB, +4dB selectable
Signal/Noise:	Better than 82dB ref 30mV input.
Freq Response:	Mic 15Hz-20KHz $\pm 3$ dB, Line 15Hz-50KHz $\pm 3$ dB
Battery low LED:	Illuminates at approx 4.5v.

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