

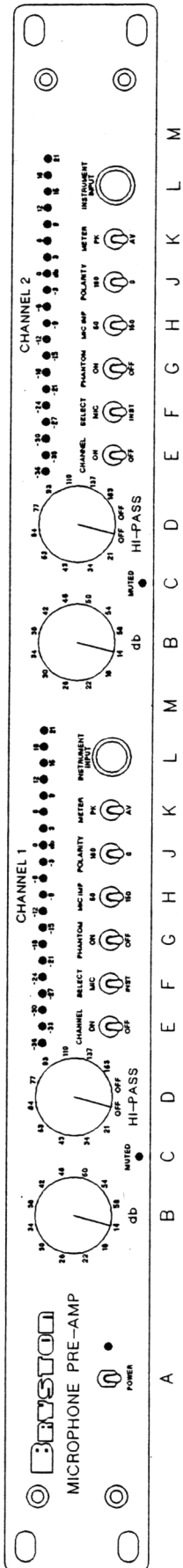
BRYSTON

BMP2

**MICROPHONE
PREAMPLIFIER
OWNER'S MANUAL**

BMP-2 MICROPHONE PREAMP

Front panel controls:



A: POWER Switch

Applies incoming power to circuitry. LED indicates when power applied.

B: db - Gain Switch

The 12 position "Gain Switch" changes the channel gain in 4dB steps, from 14dB through 58dB. Select the desired gain to achieve proper output level at the program meter.

C: MUTED Indicator

Indicates red when channel output is off. (see E: Channel - on/off switch)

D: HIGH PASS Filter Switch

The "Hi-Pass" switch selects 1 of 10 low frequency filters. The 21Hz filter has a 6dB response below cutoff. All other filters have a 12dB per octave response. Use the "High-Pass" filters to reduce the effects of microphone "popping", wind noise, rumble etc.

E: CHANNEL - On/Off Switch

Mutes channel output in off position. The muted output is indicated by the red led indicator "muted". The output will also mute should the "phantom power" switch be activated when the "channel" switch is in the on position. The output will be muted for 4-5 seconds in this event.

F: SELECT - Mic/Inst Switch

The "Select" switch selects the input to the pre-amp. The "mic" position selects the signal from the rear panel XLR. The "inst" (Instrument) position selects the signal from the 1/4" phone jack on the front panel.

G: PHANTOM - On/Off Switch

Switched to "ON" will provide 48Vdc to pins 2 + 3 of the mic input XLR connector for "Phantom Powering" compatible microphones. *The output is muted 4 to 5 seconds when this switch is activated.*

H: MIC IMP - 50/150 Switch

The microphone impedance switch should be selected to the setting which most closely matches the microphone manufacturers declared microphone impedance. This information is usually marked on each microphone and is expressed in ohms " Ω " and usually referenced to 1kHz.- see attached chart for impedance of many popular studio microphones. The 150 Ω setting is for microphones with source impedance's from 150 Ω to 600 Ω . Microphones with lower impedance than 150 Ω should be used in the 50 Ω setting. Microphones with higher impedance than 600 Ω will perform poorly if not properly matched to the pre-amp.

J: POLARITY - 0/180 Switch

The balanced MIC input uses pin 3 on the input connector as the in-phase (+) input.(switch position to "0") The polarity switch will reverse pins 2 and 3 at the input XLR connector so the in-phase input will be from pin 2. (switch position to "180") The microphone table lists the polarity of many common studio microphones.

K: METER - PK/AV Switch

The Program Meter selector for peak (PK) or average (AV) response of the meter. The Peak position response has fast attack with slow decay. The Average position has a response more like a "VU" meter with slower attack and much more rapid decay of the signal reading.

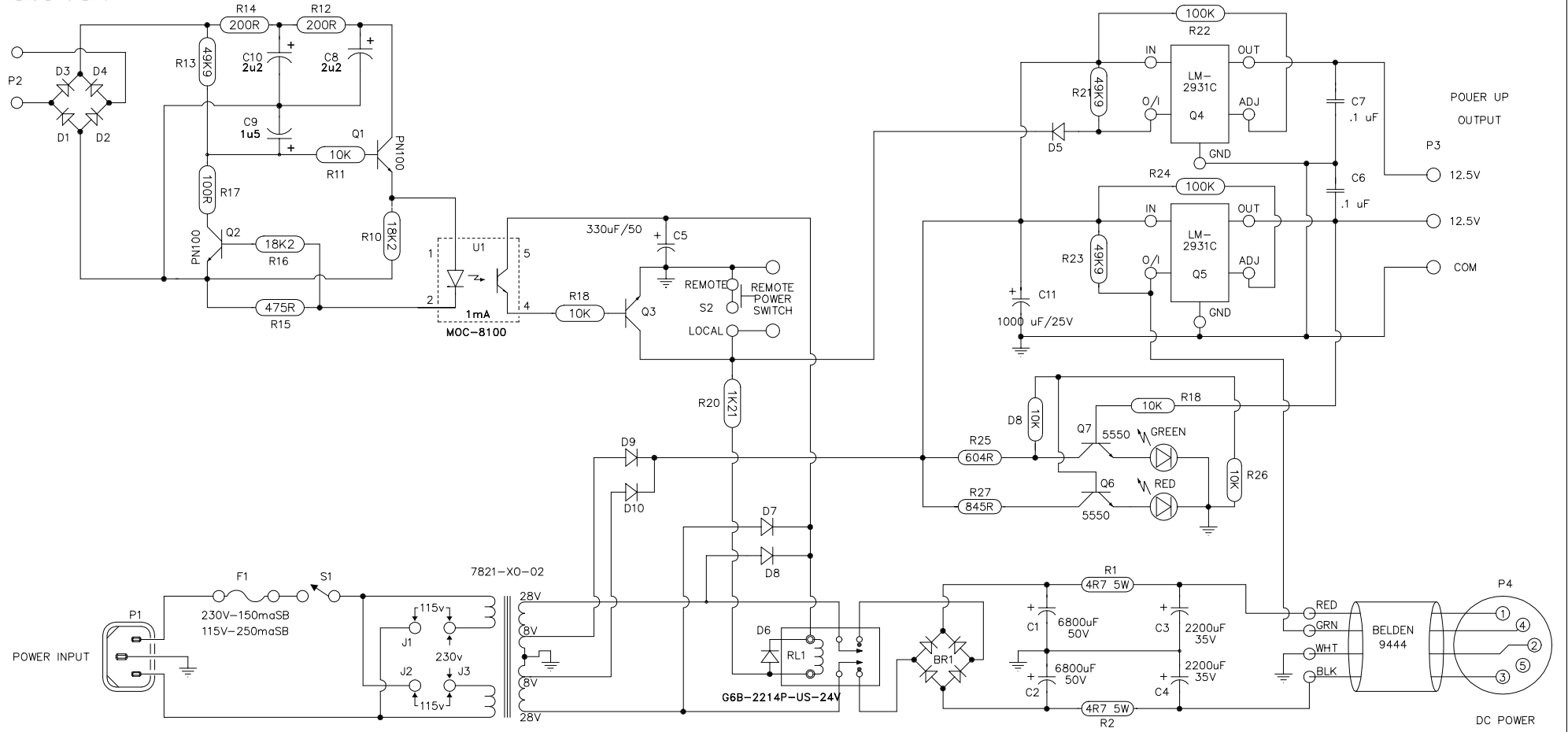
L: INSTRUMENT Input

1/4" unbalanced hi-impedance (1meg) input for using as a "Direct Box" for magnetic pickups etc.

M: PROGRAM METER

A 20 segment LED readout indicates channel program levels from -36dB to +21dB in 3 dB steps.. "0" dB = +4dBm. Set "peak" or "average" response using the "Meter PK/AV switch. (K)

REMOTE POWER UP



MPS-1 Power Supply REV 5

MPS-1 VER 5.0 MAIN SCHEMATIC

FILE: MPS1SCHM50.DWG PART No: MPS1MB50

DATE: AUG 2002 DWG BY: MRP REV: 5.0

IMPORTANT SAFETY INSTRUCTIONS



The lightning flash with arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of un-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

DO NOT EXPOSE THIS EQUIPMENT TO DRIPPING OR SPLASHING AND ENSURE THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, ARE PLACED ON THE EQUIPMENT.

TO COMPLETELY DISCONNECT THIS EQUIPMENT FROM THE AC MAINS, DISCONNECT THE POWER SUPPLY CORD PLUG FROM THE AC RECEPTACLE.

THE MAINS PLUG OF THE POWER SUPPLY CORD SHALL REMAIN READILY OPERABLE.

BRYSTON LIMITED WARRANTY

Bryston analog audio circuits are warranted to be free from manufacturing defects for twenty (20) years from the original date of manufacture. The warranty includes parts and labour.

Bryston Digital circuits and cables are warranted for five years from the original date of manufacture. The warranty includes parts and labour.

Bryston products having motorized moving parts, excluding motorized volume controls, are warranted for three years from the original date of manufacture. The warranty includes parts and labour.

Bryston will remedy the problem by repair or replacement, as we deem necessary, to restore the product to full performance. Bryston will pay shipping costs one way (usually the return portion) during the first three years of warranty coverage.

In the event of a defect or malfunction, contact Bryston's repair centers for return authorization. Products must be returned using original packaging material only. Packing material may be purchased from Bryston if necessary. This warranty is considered void if the defect, malfunction or failure of the product or any component part was caused by damage (not resulting from a defect or malfunction) or abuse while in the possession of the customer. Tampering by persons other than factory authorized service personnel or failure to fully comply with Bryston operating instructions voids the warranty. This warranty gives you specific legal rights and you may also have other rights which may vary from province to province and country to country.

As of 2006-02-22 Bryston will only warranty Bryston products purchased through authorized Bryston dealers. Bryston products with a date code of 0608 or higher (date code format is "yyww", where "yy" is the two least significant digits of the year and "ww" is the week of the year) must be accompanied by a copy of the bill-of-sale from a Bryston authorized dealer to qualify for warranty service. The warranty is transferable from the original owner to a subsequent owner as long as a copy of the bill-of-sale from the original authorized Bryston dealer accompanies the re-sale. The copy of the bill of sale to any subsequent owner need ONLY include the Name of the Bryston Authorized Dealer and the Model and Serial number of the Bryston product. The warranty will only be honored in the country of the original purchase unless otherwise pre-authorized by Bryston.

BRYSTON SERVICE in CANADA:

Postal address: **PO. BOX 2170, Stn. Main
PETERBOROUGH, ONTARIO
CANADA K9J 7Y4**

Courier address: **677 NEAL DRIVE
PETERBOROUGH, ONTARIO
CANADA K9J 6X7**

PHONE: 705-742-5325
FAX: 705-742-0882
E-mail: cdnser@bryston.ca

BRYSTON SERVICE in the USA:

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E-mail: usaser@bryston.ca

BRYSTON SERVICE outside Canada and the USA:

contact your local distributor or

CHECK OUR WEB SITE: www.bryston.ca
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