Maxxam 8+8

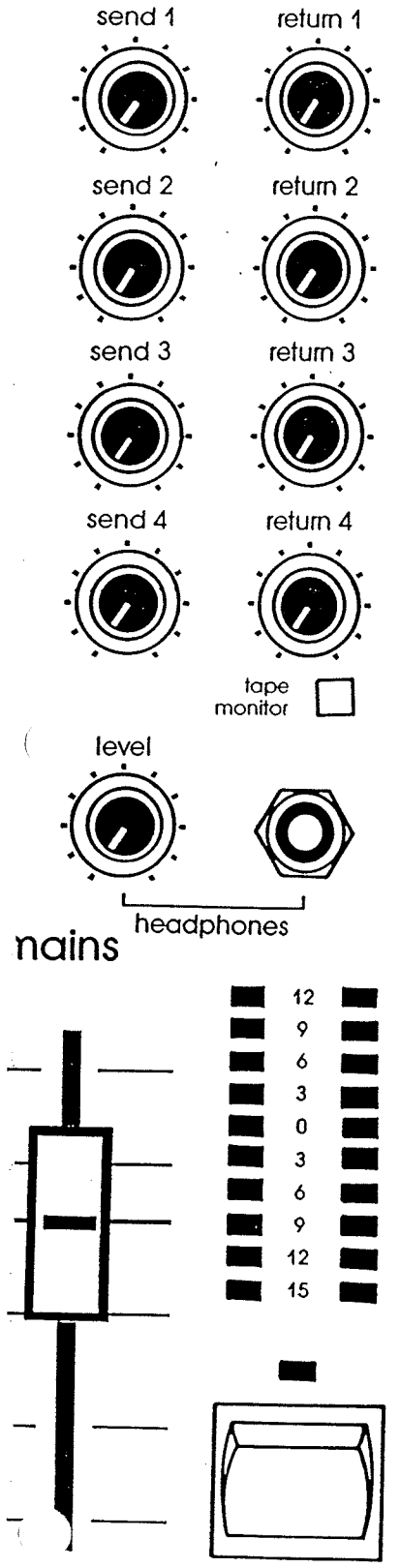
Operation Manual

BIAMP®

SYSTEMS

10074 SW Arctic Drive Beaverton, OR 97005 503-641-7287

2.2 MASTER SECTION



(1) AUX MASTER SENDS. These controls adjust the level of signal sent from their respective mixing busses to the AUX SEND output jacks on the rear panel.

(2) STEREO RETURN MASTERS. These controls adjust the level of signal sent from their respective Return jacks on the rear panel to the Mains fader.

(3) TAPE MONITOR SWITCH. This switch interrupts the normal signal flow to the Main and headphone outputs and allows only the signal from Return #4 to reach these outputs. Use this return as a convenient place to connect the output from a 2-track tape machine for playback. Return #4 level control adjusts the amount of tape signal sent to the Mains fader.

(4) HEADPHONE LEVEL CONTROL and OUTPUT JACK. This jack provides line level output signal suitable for stereo headphones of 600 ohm minimum impedance, or for feeding a separate sound system (such as studio control room monitors). The headphone output always carries the same signal as the Main outputs.

(5) MAINS FADER. This 60mm stereo slide control adjusts the level of Left and Right Main signal sent to the Left and Right Main outputs.

(6) LEVEL METERS. These 10-segment dual LED displays indicate signal levels at the Left and Right Main outputs. When the +12dB indicators flash, 5dB of headroom remains before clipping at the balanced outputs. These meters are peak reading, with "0" referenced to +4dBu.

(7) POWER SWITCH and INDICATOR. This green LED lights when power is applied to the unit.

(1) LINE INPUTS. These 3-conductor 1/4" phone jacks accept balanced or unbalanced line level input. Tip is high (+), Ring is low (-), and Sleeve is ground. Stereo channels have separate inputs for Left and Right signals. If only one input is used, the channel functions as a mono input channel.

(2) PATCH. These 3-conductor 1/4" phone jacks provide a pre-fader insertion point for signal processors or other line level devices. Stereo channels have separate patch jacks for the Left and Right inputs. Tip is send, Ring is receive, and Sleeve is ground. For pre-fader output from the channel, connect to the patch jack with Tip and Ring being send, and Sleeve being ground.

(3) SEND 1-4 OUTPUTS. These 2-conductor 1/4" phone jacks provide unbalanced signals from their respective channel and master Aux Send 1-4 level controls.

(4) LEFT and RIGHT MAIN OUTPUTS. These 3-conductor 1/4" phone jacks provide balanced output signal from the Left and Right Main faders. Tip is high (+), Ring is low (-), and Sleeve is ground. For unbalanced use, connect the Ring to the Sleeve, or use standard unbalanced connectors.

(5) STEREO RETURN 1-4 INPUTS. These 1/4" phone jacks accept unbalanced input signal from line level devices. The signal is combined with the respective Left or Right Main signal prior to the Mains fader. The Tape Monitor switch on the front panel interrupts the normal signal flow to the Main and headphone outputs, and allows only the signal from Return #4 to reach these outputs. This return is a convenient place to connect the output from a 2-track tape machine for playback.

(6) MIC OUTPUTS. These 1/4" phone jacks provide unbalanced output signal from their respective mic input preamps for connection to the line level input of any channel on the MAXXAM, or any other line level device via a 1/4" phone patch cable.

(7) MIC INPUTS. These 3-conductor XLR connectors provide a balanced transformerless input wired to the DIN standard for connection of low-impedance microphones or direct boxes. Pin 2 is high (+), Pin 3 is low (-), and Pin 1 is ground. These connectors provide +15V phantom power for condenser microphones (vocal mics, mics for recording samples, etc.), or direct boxes (for instrument level output from guitars, basses, etc.).

(continued on next page)

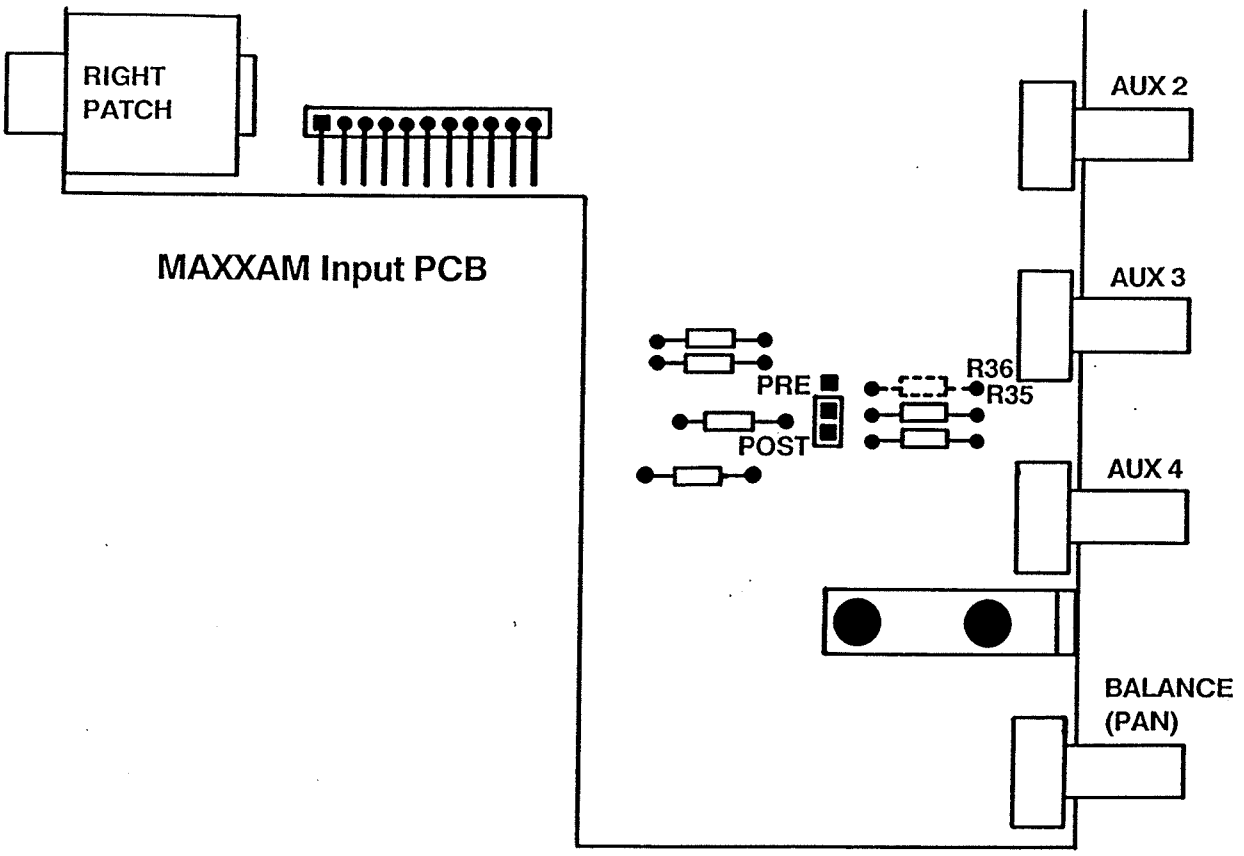
3.0 MODIFICATIONS

Only qualified service technicians are to perform modifications. Care must be taken to not damage circuitry inside the mixer since such damage is not covered by the warranty. BIAMP SYSTEMS assumes no responsibility for injury or damage to persons or property resulting from such modifications or the installation thereof.

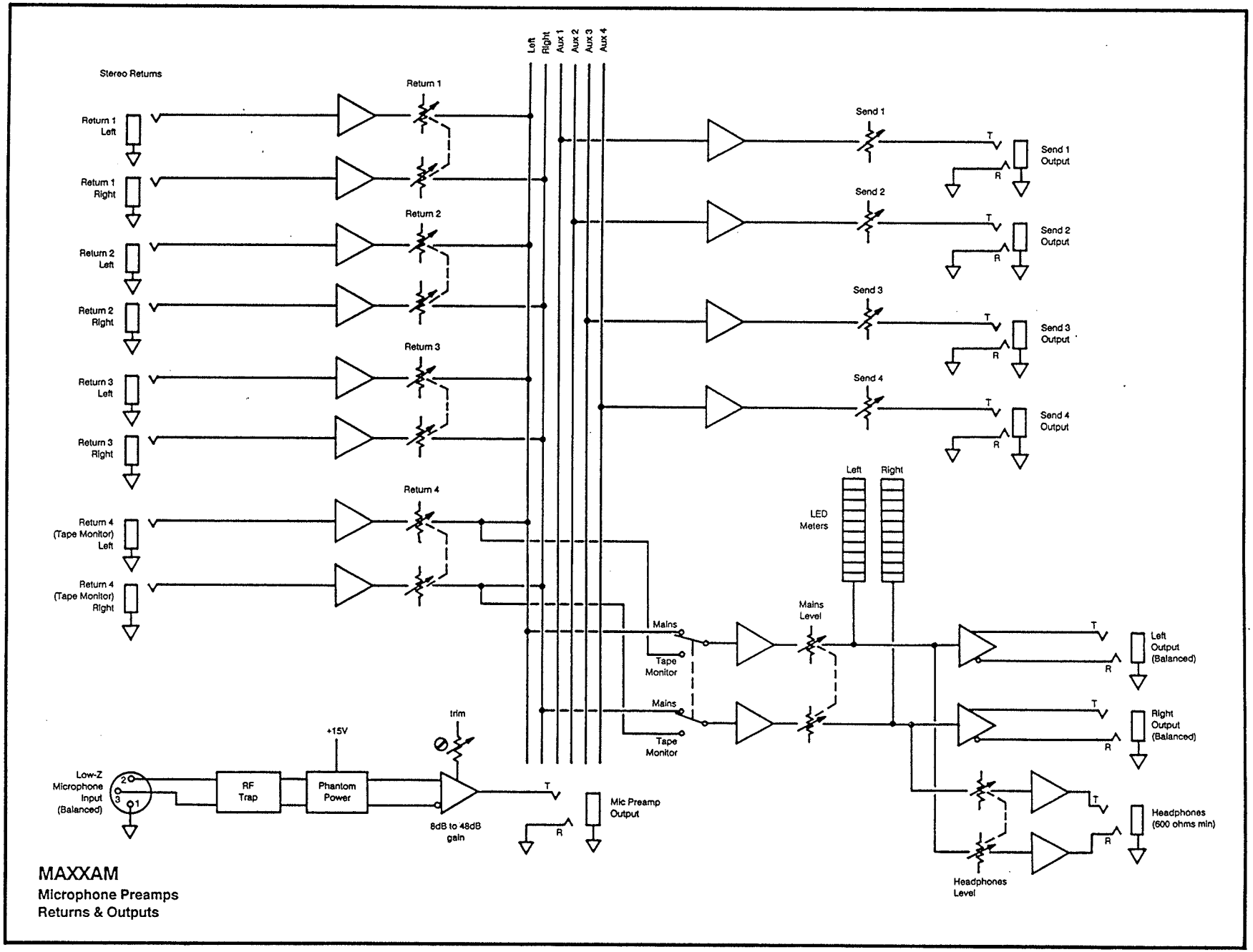
The diagram below is a partial component layout showing the lower portion of an input channel circuit board. Jumper and 0-ohm resistor placement is shown as installed at the factory.

Aux Send 4 may be switched to pre-fader by moving jumper J6 on each input circuit board to the PRE position. It is not necessary to remove the circuit board to change this jumper setting.

Aux Sends 1-3 may be switched as a group (not independently) to pre-fader by removing 0-ohm resistor R35 on each input circuit board and installing 0-ohm resistor R36. The circuit board must be removed to perform this modification due to the required soldering.



BLOCK DIAGRAMS



BIAMP ONE YEAR LIMITED WARRANTY

BIAMP SYSTEMS IS PLEASED TO EXTEND THE FOLLOWING 1-YEAR LIMITED WARRANTY TO THE ORIGINAL PURCHASER OF THE PROFESSIONAL SOUND EQUIPMENT DESCRIBED IN THIS OPERATORS GUIDE.

BIAMP Systems expressly warrants this product to be free from defects in materials and workmanship for a period of 1 YEAR from the date of purchase as a new product from an authorized BIAMP dealer under the following conditions.

1. The Purchaser is responsible for completing and mailing to BIAMP, within 10 days of purchase, the attached warranty application.

2. In the event the warranted BIAMP product requires service during the warranty period, BIAMP will repair or replace, at its option, defective materials, provided you have identified yourself as the original purchaser of the product to any authorized BIAMP Service Center. Transportation and insurance charges to and from an authorized Service Center or the BIAMP factory for warranted products or components thereof to obtain repairs shall be the responsibility of the Purchaser.

3. This warranty will be VOIDED if the serial number has been removed or defaced; or if the product has been subjected to accidental damage, abuse, rental usage, alterations, or attempted repair by any person not authorized by BIAMP to make repairs; or if the product has been installed contrary to BIAMP's instructions.

4. The normal wear and tear of appearance items such as paint, knobs, handles, and covers is not covered under this warranty.

5. BIAMP SHALL NOT IN ANY EVENT BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING LOST PROFITS, LOSS OF USE, PROPERTY DAMAGE, INJURY TO GOODWILL, OR OTHER ECONOMIC LOSS OF ANY SORT. EXCEPT AS EXPRESSLY PROVIDED HEREIN, BIAMP DISCLAIMS ALL OTHER LIABILITY TO PURCHASER OR ANY OTHER PERSON ARISING OUT OF USE OR PERFORMANCE OF THE PRODUCT, INCLUDING LIABILITY FOR NEGLIGENCE OR STRICT LIABILITY IN TORT.

6. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED. BIAMP EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTIBILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE REMEDIES SET FORTH HEREIN SHALL BE THE PURCHASER'S SOLE AND EXCLUSIVE REMEDIES WITH RESPECT TO ANY DEFECTIVE PRODUCT. THE AGENTS, EMPLOYEES, DISTRIBUTORS, AND DEALERS OF BIAMP ARE NOT AUTHORIZED TO MODIFY THIS WARRANTY OR TO MAKE ADDITIONAL WARRANTIES BINDING ON BIAMP. ACCORDINGLY, ADDITIONAL STATEMENTS SUCH AS DEALER ADVERTISEMENTS OR REPRESENTATIONS DO NOT CONSTITUTE WARRANTIES BY BIAMP.

7. No action for breach of this warranty may be commenced more than one year after the expiration of this warranty.

In the event your BIAMP product should ever require service, please contact the BIAMP factory for the location of the nearest authorized service center.

Thank you for purchasing BIAMP...
AMERICAN SOUND CRAFTSMANSHIP.

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