



OWNER'S MANUAL

MASTERING ROOM STANDARD REFERENCE PREAMPLIFIER

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INTRODUCTION

THANK YOU!...

for choosing the Manley Laboratories Masteringroom-Standard Reference Preamplifier. Designed around the concept that less is more, the Masteringroom-Standard preamplifier uses the best available parts with the shortest, cleanest, signal path possible. With the use of our own C.N.C. milling machine, we can provide you with a superb sounding machine with elegant packaging. Please take a few moments to read through this manual, there may be features and information about this preamplifier that you do not know, and it is in your, and our here at Manley Labs, best interest that you do.

Thank you again, and please enjoy!

GENERAL NOTES

LOCATION & VENTILATION

The Masteringroom-Standard preamplifier must be installed in a stable location with ample ventilation. It is recommended, if this unit is rack mounted, that you allow enough clearance on the top and bottom of the preamp such that a constant flow of air can flow through the ventilation vents. We also recommend that the preamplifier be placed at least 10 inches away from its amplifier.

WATER & MOISTURE

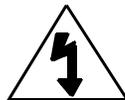
As with any electrical equipment, this preamplifier should not be used near water or moisture. If liquid enters the preamplifier, it must be immediately returned to your dealer for servicing.

SERVICING

The user should not attempt to service the preamplifier beyond that described in the owner's manual. Refer all servicing other than tube replacement to Manley Laboratories.

SPECIAL NOTES

Tubes may become loose during transit. Straighten and press down each tube before plugging the preamplifier into the mains socket. Furthermore, NEVER touch the tubes after the preamplifier has been switched on, the tubes become very hot during operation and should only be handled after the power has been turned off and the tubes have cooled.



WARNING!



**TO PREVENT THE RISK OF ELECTRIC SHOCK
DO NOT OPEN THE CABINET
REFER SERVICING TO
QUALIFIED PERSONEL**

MAINS CONNECTIONS

Your preamplifier has been factory set to the correct mains voltage for your country. The voltage setting is marked on the serial badge, located on the rear panel. Check that this complies with your local supply.

Export units for certain markets have a moulded mains plug fitted to comply with local requirements. If your unit does not have a plug fitted the coloured wires should be connected to the appropriate plug terminals in accordance with the following code.

GREEN/YELLOW	EARTH	terminal
BLUE	NEUTRAL	terminal
BROWN	LIVE	terminal

As the colours of the wires in the mains lead may not correspond with the coloured marking 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 by the letter E or by the safety earth symbol or coloured GREEN or GREEN and YELLOW.

The wire which is coloured BLUE must be connected to the terminal in the plug which is marked by the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal in the plug which is marked by the letter L or coloured RED.

DO NOT CONNECT/SWITCH ON THE MAINS SUPPLY UNTIL ALL OTHER CONNECTIONS HAVE BEEN MADE.

CONNECTING YOUR PREAMPLIFIER

Setting up your preamplifier is rather easy.

1. Please refer to page 7 diagram 2 for an illustration of the back of the preamplifier.
2. There are two sets of main outputs, one set RCA and the other XLR. The pin out for the XLR is as follows: PIN1 - ground, PIN2 - common/ground (-), PIN3 - hot (+). Connect either the XLR or RCA output to the input of your amplifier.
3. All other inputs including are standard RCA jack inputs and can be connected to their corresponding devices via a standard RCA cable.
4. A special 5 pin has been installed for balanced MC operation. The pin out for the five pin XLR is as follows: PIN1 - right common(-), PIN2 - right hot(+), PIN3 - ground, PIN4 - left hot(+), PIN5 - left common(-).
5. The two toggle switches located next to MM input will switch between the MC and MM inputs.
6. On the left end of the back panel is a standard IEC mains connector. This should be connected to a standard 120 or 240 volt outlet.
7. Be certain that the voltage selector switch located next to the IEC mains socket is set for your voltage!!!
8. Power up the preamplifier and allow it to settle for a minimum of 30 seconds before powering your amplifiers.

FRONT PANEL

- A** **SELECTOR SWITCH** Switch to select between inputs. Counterclockwise: Phono (MM or MC), AUX (auxiliary), DIG (CD), TAPE, TUNER, VIDEO. NOTE: always turn volume control (level) down before switching selector switch.

- B** **LEVEL CONTROL** Adjust the stereo gain of the selected signal. Both channels are always amplified by the same amount.

- C** **FULL / REDUCED SWITCH** Provides a course volume adjustment of 5 dB. The level control will have better resolution when set to reduced, but less gain.

- D** **STEREO / MONO SWITCH** Switch up for stereo signal. Switch down to MONO or sum the two channel signals.

- E** **L - BALANCE - R CONTROL** Modifies the gain of the left and right channels. When set to 12 o'clock (straight up) both channels will produce the same gain. Rotating the control fully clockwise or counterclockwise will reduce the gain of the corresponding channel by approximately 10 dB.

- F** **LED POWER INDICATOR** Illuminates when the preamplifier is powered and running.

- G** **POWER SWITCH** Switch up to turn on the power, down to turn the power off.

REAR PANEL

- A IEC MAINS SOCKET Standard IEC mains socket (120/240 VAC)
- B FUSE HOLDERS Right & Left channel fuses. Replace with 1A SLO-BLO fuse only.
- C VOLTAGE SELECTOR SWITCH Selectable to 110,120 / 220,240 VAC. Set to the proper voltage you are using.
- D OUTPUT (XLR) Left (upper) and Right (lower) output XLR's. Standardly shipped PIN3 hot.
- E OUTPUT (RCA) Paralled output to the Left and Right XLR outputs.
- F RECORD OUTPUT Buffered record output stage. Set at input line stage level.
- G VIDEO INPUT - Video, Line level input
- H TUNER INPUT - Tuner, line level input
- I TAPE INPUT - Tape, line level input
- J DIG INPUT - CD, line level input
- K AUX INPUT - AUX, line level input
- L MC / MM SELECTOR SWITCH - Select between MC and MM phono stages. Switch up for MC, down for MM.
- M MM INPUT - Moving magnet phono input. Fixed 47 Kohm load is present.
- N 5 PIN XLR MC INPUT - MC input balanced. PIN1 - Right common(-), PIN2 - Right hot(+), Pin3 - ground, Pin4 - Left hot(+), Pin5 - Left common(-)

OPERATIONAL NOTES

SWITCHING ON

The power switch is located on the right hand corner of the front panel. Flip the switch up to turn on the preamplifier and down to turn off the preamplifier.

RUNNING

It is not recommended that you leave your preamplifier permanently switched on. This only wastes electricity and tube life. Your preamplifier has solid state rectification and reaches peak operating condition in approximately 30 minutes.

TUBELIFE

As with all tubes, their quality degrades with age. This is due to cathode emission, a natural process found in all tubes. We recommend that you have your preamplifier checked every 4-5 years, depending on usage, usually the preamplifier will require re-tubing after this time has elapsed.

OPERATION

There are six possible source selections to choose from, labeled from phono to video. Be certain that the volume is turned completely down when switching between source components, failure to do so may send unwanted noise to your amplifier and damage your system!

The preamplifier can provide a maximum of 20 dB gain in the line stage when set at full and a maximum of 15 dB when set at reduced. The MM(moving magnet phono) stage will supply another 40 dB of gain to that of the line stage (total of 60 dB max.); and the MC (moving coil phono) stage will supply another 50 dB to the line stage.

The balance control is set to reduce the gain of each corresponding channel by a maximum of 10 dB.

SPECIFICATIONS

Vacuum Tubes:	4 x 12AX7's, 2 x 12AU7's, 2 x 12AT7's
Gain	20 dB switched to full
(line stage)	15 dB switched to reduced
(MM stage)	60 dB switched to full
(MC stage)	40 dB at REC OUT
	70 dB switched to full
	50 dB at REC OUT
RIAA (MC & MM phono stages)	+19.27 dB @ 20Hz
	-19.62 dB @ 20KHz
Input Impedance	100 Kohm line stages
	47K MM stage
	38 ohm MC stage, transformer
Output Impedance	120 ohms
Power Consumption	33 Watts (275mA @ 120VAC)

WARRANTY

All Manley Laboratories equipment is covered by a limited warranty against defects in materials and workmanship for a period of 90 days from date of purchase to the original purchaser only. A further optional limited 5 year warranty is available to the original purchaser upon proper registration of ownership within 30 days of date of first purchase.

Proper registration is made by filling out and returning to the factory the warranty card attached to this general warranty statement, along with a copy of the original sales receipt as proof of the original date of purchase. Only 1 card is issued with each unit, and the serial number is already recorded on it.

If the warranty registration card has already been removed then this is not a new unit, and is therefore not warranted by the factory. If you believe this to be a new unit then please contact the factory with the details of purchase.

This warranty is provided by the dealer where the unit was purchased, and by Manley Laboratories, Inc. Under the terms of the warranty defective parts will be repaired or replaced without charge, excepting the cost of tubes. No warranty is offered on tubes, unless:

1. a Manley Laboratories preamplifier is used with a Manley Laboratories amplifier, and
2. the warranty registration card is filled out.

In such a case a 6 month warranty on tubes is available with the correct recording of the serial number of the preamplifier on your warranty registration card.

If a Manley Laboratories product fails to meet the above warranty, then the purchaser's sole remedy shall be to return the product to Manley Laboratories, where the defect will be repaired without charge for parts and labour. The product will then be returned via prepaid, insured freight, method and carrier to be determined solely by Manley Laboratories. All returns to the factory must be in the original packing, (new packing will be supplied for no charge if needed), accompanied by a written description of the defect, and must be shipped to Manley Laboratories via insured freight at the customer's own expense. Charges for unauthorized service and transportation costs are not reimbursable under this warranty, and all warranties, express or implied, become null and void where the product has been damaged by misuse, accident, neglect, modification, tampering or unauthorized alteration by anyone other than Manley Laboratories.

The warrantor assumes no liability for property damage or any other incidental or consequential damage whatsoever which may result from failure of this product. Any and all warranties of merchantability and fitness implied by law are limited to the duration of the expressed warranty. All warranties apply only to Manley Laboratories products purchased and used in the USA.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

WARRANTY REGISTRATION

We ask that you please fill out this registration form and send the bottom half to:

MANLEY LABORATORIES
REGISTRATION DEPARTMENT
13880 MAGNOLIA AVE.
CHINO CA, 91710

Registration entitles you to product support, full warranty benefits, and notice of product enhancements and upgrades. You MUST complete and return the following to validate your warranty and registration. Thank you again for choosing to use Manley Laboratories.

MODEL _____ SERIAL No. _____

PURCHASE DATE _____ SUPPLIER _____

PLEASE DETACH THIS PORTION AND SEND IT TO MANLEY LABORATORIES

MODEL _____ SERIAL No. _____

PURCHASE DATE _____ SUPPLIER _____

NAME OF OWNER _____

ADDRESS _____

CITY, STATE, ZIP _____

TELEPHONE NUMBER _____

Serial #'s of Associated Manley Laboratories Equipment _____

NOTES