

CLASSÉ AUDIO

DR-4/4L

PREAMPLIFIER

DR-4/4L

OWNER'S MANUAL

DR-4/4L
OWNER'S MANUAL

TABLE OF CONTENTS

UNPACKING & SET-UP.....	3
A.C. LINE POWER.....	5
INPUTS.....	6
OUTPUTS.....	8
FRONT PANEL CONTROLS.....	10
WARRANTY.....	12
WARRANTY REGISTRATION.....	13
SPECIFICATIONS.....	14

UNPACKING & SET-UP

Your new preamplifier has been carefully wrapped in heavy guage plastic, packed in semi-rigid foam and contained in a special box. To remove the unit, open and spread the top flaps of the box. By its sides, lift out the entire unit with the foam pieces intact. Remove each foam side by pulling straight out. Remove the plastic wrap and inspect the unit for any concealed damage. Apart from this owner's manual, please ensure the following has also been included:

- 1) Detachable linecord
- 2) 5/64 in. Allen key for top plate

[DR-4 ONLY] 3) Resistor kit for moving coil gain adjustment

Please report any damage or missing parts to your dealer promptly.

This preamplifier, being capable of very high gain, must be located in a position free of any hum-inducing magnetic fields. (This also applies to turntables and interconnect cables.) Positions adjacent to power amplifiers, A.C. line filters, or regulation devices should be avoided. Ideally, a few feet should separate the preamplifier from the power amplifier. As well, keep low-level interconnect cables away from the power amp and separate from A.C. linecords.

Heat generated by the preamplifier is negligible. Air space around the unit need not be a concern.

Check the Serial Number sticker on the back of the unit for the correct operating voltage. Regardless of voltage, the fuse rating should be 1 AMP SLO-BLO. For optimum sonic performance, we recommend the optional CLASSE REFERENCE A.C. LINECORD, and the use of spiked feet under the unit. Consult your dealer regarding these accessories.

A.C. LINE POWER

The preamplifier has no power switch. Its low power consumption and improved sonics from always being on led to the omission of the switch. In fact, while thoroughly musical shortly after turn-on, this preamplifier will exhibit "sonic growth" during its first 300 hours of use.

For optimum sonic performance, you should consider use of the optional CLASSE REFERENCE A.C. LINECORD. Consult your dealer regarding this accessory.

CAUTION: There is no auto-muting circuit. If connections to the power amplifier have already been made when connecting the preamp to the A.C. line, make sure the MUTE switch is in the ON (down) position. This will prevent any turn-on surges from reaching the power amplifier and possibly the loudspeakers. Similarly, make sure the MUTE switch is ON again when removing A.C. line power.

CAUTION: "FLOATING THE GROUND", OR DEFEATING THE GROUND ON A 3-PRONG LINECORD MAY CREATE A SHOCK HAZARD. CONNECT ALL INTERCONNECT CABLES BETWEEN THE ELECTRONICS BEFORE CONNECTING THE A.C. LINECORDS TO THE WALL OUTLETS. THIS WILL REDUCE THE POTENTIAL SHOCK HAZARD. SEE ALSO THE WARRANTY SECTION OF THIS OWNER'S MAUNAL.

INPUTS

The input jacks are clearly marked on the back of the DR-4/4L. The following inputs are provided: PHONO [DR-4 ONLY], BALANCED, CD, TUNER, AUXILIARY, AUXILIARY 2 [DR-4L ONLY], and TAPE.

PHONO [DR-4 ONLY]

The PHONO input can accommodate both magnetic or moving coil cartridges of varying output. Set the toggle switch (located in between the left and right input jacks) to MM for magnetic or MC for a moving coil cartridge. In the MC position, additional gain of the Moving Coil stage is factory preset at 22dB. With the Resistor Kit (included), the Gain can be adjusted from 20 to 40 dB, in order to optimize system gain, and low noise. (Note: The MC gain is in addition to the standard MM gain of 35dB.) To change the MC gain, proceed as follows:

- 1) Make sure the DR-4 MUTE switch is ON (down position).
- 2) Disconnect the A.C. linecord from the wall outlet.
- 3) Remove the top plate with the Allen key supplied.

4) Locate R6 and R48, which are the MC GAIN setting resistors for the left and right channels respectively. Remove the resistors and replace them with newly selected ones, according to the following chart:

RESISTOR	GAIN
1000F	20 dB
1270F	22 dB - STANDARD
1650F	24 dB
2150F	26 dB
2870F	28 dB
3830F	30 dB
5110F	32 dB
7680F	34 dB
1151F	36 dB
1961F	38 dB
4221F	40 dB

Silver solder is provided in the kit for this purpose. THE RESISTOR KIT IS FOR SETTING THE MC GAIN WHICH WILL OPTIMIZE LEVELS, NOISE, AND EFFICIENCIES OF DIFFERENT SYSTEMS.

5) Having completed the resistor changes, replace the top plate.

BALANCED, TAPE, HIGH LEVEL INPUT INFORMATION

The BALANCED INPUT is a true differential high level input, wired as follows:

PIN 1: GROUND

PIN 2: POSITIVE (NON-INVERTED) SIGNAL

PIN 3: NEGATIVE (INVERTED) SIGNAL

It may be used with CD players that have a balance output, or any other high level, balanced source.

The TAPE IN of the DR-4/4L should be connected to the LINE OUT or TAPE OUT of the tape deck. The TAPE input does not appear on the selector switch. It is activated by the TAPE switch. (See FRONT PANEL CONTROLS: TAPE SWITCH.)

OUTPUTS

The DR-4/4L has both regular (single-ended) and balanced outputs. Both are working at all times, and may be used separately, or simultaneously.

TAPE OUTPUT

Whatever input is selected by the INPUT SELECTOR will be fed to the TAPE OUTPUT jacks. This should be connected to the TAPE IN or LINE IN of the tape deck.

REGULAR OUTPUTS

Simply connect your regular interconnects to the RCA output jacks marked REGULAR MAIN OUT on the back of the DR-4/4L.

BALANCED OUTPUTS

A balanced power amplifier and balanced interconnects are also required. For use with balanced power amplifiers other than Classe, the wiring of the 3-pin XLR connectors must be wired as follows:

PIN 1: GROUND

PIN 2: POSITIVE (NON-INVERTED) SIGNAL

PIN 3: NEGATIVE (INVERTED) SIGNAL

If the pin configuration on the power amplifier differs from above, the balanced interconnects must be modified to accommodate the different power amp.

Having confirmed the correct connections, plug the XLR connectors of the balanced interconnects into the locking XLR connectors on the rear panel of the DR-4/4L marked BALANCED MAIN OUT. (To remove the connectors, press the tab above the connector.)

FRONT PANEL CONTROLS

INPUT SELECTOR

This selects one of the five inputs connected to the preamp, except TAPE IN (see Tape Switch below). The switch is silent and will prevent pulses when switching positions. However, it remains good practice to reduce the volume control level or put the MUTE switch ON when changing the input selection.

TAPE SWITCH

In the SOURCE position, the preamp will process the signal as chosen by the INPUT SELECTOR. In the MONITOR position, the preamp will process the TAPE INPUT signal, overriding the INPUT SELECTOR.

BALANCE CONTROL

The custom BALANCE control permits equal output of each channel in the centre (detented) position without additional loading to the signal. When shifted to the left or right, it merely attenuates the opposite channel.

VOLUME CONTROL

The VOLUME control varies the level of both channels simultaneously.

MUTE SWITCH

This is a manual mute switch which completely cuts the preamp output in the MUTE ON position. The PLAY position allows the signal to pass to the power amp. Caution: Make sure the MUTE ON position is engaged when making or changing any connections to the preamp. This includes all inputs and outputs, as well as the A.C. linecord.

DR-4/4L WARRANTY

Classe Audio Inc. warrants this preamplifier to be free from defects in materials and workmanship for a period of FOUR YEARS from date of original owner purchase.

A LIFETIME WARRANTY IS EXTENDED TO THE ORIGINAL OWNER ONLY, SUBJECT TO ALL STATED CONDITIONS. IMPORTANT: WARRANTY REGISTRATION (following section), AND A COPY OF THE "AUTHORIZED DEALER BILL OF SALE", MUST BE RECEIVED AT THE CLASSE FACTORY (address below) WITHIN TWENTY (20) DAYS OF PURCHASE, TO VALIDATE THIS WARRANTY.

In the event of failure of this preamplifier, Classe Audio Inc. will repair, recalibrate, or at our discretion, replace the unit in accordance with and providing that all the clauses contained in this warranty are met.

In order to initiate service of any kind, it is necessary to OBTAIN PRIOR FACTORY AUTHORIZATION, AND SHIP THE UNIT PREPAID. For units coming from outside Canada, contact the factory for our forwarding address. Units shipped directly to our Canadian address from outside the country will be stopped at the border, causing extensive delays or return of the unit to the sender.

Any of the following conditions shall void the warranty:

- 1) Operation not in accordance with this manual
- 2) Accident, abuse, tampering, or unauthorized modification, as determined by Classe Audio Inc.
- 3) Removal, defacing, or falsifying the serial number plate.

4) Shipping without the complete factory packaging.

CLASSE AUDIO INC. SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES REGARDING THE SET-UP, OPERATION, FAILURE, TROUBLESHOOTING, OR REPAIR OF THE PREAMPLIFIER AND/OR ANY OTHER EQUIPMENT USED THEREWITH.

WARRANTY REGISTRATION

You must fill out and return the form below, along with a copy of the authorized dealer bill of sale, to the factory within twenty (20) days of purchase. This will allow us to provide expedient service, information regarding updates and new products, and validate the Classe warranty.

DR-4/4L SERIAL NUMBER _____ PURCHASE DATE _____

AUTHORIZED DEALER _____

PURCHASER'S NAME _____

STREET ADDRESS _____

CITY _____ STATE/PROV. _____

COUNTRY _____ ZIP/POSTAL CODE _____

I BECAME AWARE OF THIS PRODUCT BY: _____
(DEALER, MAGAZINE, FRIEND, ETC.)

SEND TO: CLASSE AUDIO INC.
Product Registration
9414 Cote de Liesse Road
Lachine, Quebec, Canada
H8T 1A1

DR-4/4L SPECIFICATIONS

FREQUENCY RESPONSE: 20 Hz to 20 KHz, +/- 0.1 dB
: 1 Hz to 150 KHz, -3 dB

MAXIMUM OUTPUT: 18 VOLTS

SENSITIVITY: LINE : 120 MILLIVOLTS
MAGNETIC PHONO : 3 MILLIVOLTS
MOVING COIL PHONO: 0.3 MILLIVOLTS

S/N RATIO ("A" WEIGHTED): LINE : 95 dB
MAGNETIC PHONO : 85 dB
MOVING COIL PHONO: 85 dB

INPUT IMPEDANCE: LINE : 50 KOHMS
MAGNETIC PHONO : 47 KOHMS
MOVING COIL PHONO: ADJUSTABLE INTO 47 KOHMS

OUTPUT IMPEDANCE: LESS THAN 1 OHM

GAIN: LINE : 18 dB
MAGNETIC PHONO : 35 dB
MOVING COIL PHONO: 20-40 dB (ADJUSTABLE)

POWER REQUIREMENT: 50 WATTS

DIMENSIONS: GROSS: 22" x 18 3/4" x 10 1/4"
NET: 19" x 12 3/8" x 3 5/8"

WEIGHT: GROSS: 18 lbs
NET: 13 lbs