

Classé Audio

DR-7 PREAMPLIFIER: PRELIMINARY INSTRUCTIONS FOR USE

Power Connections

Connect the umbilical cord between the DR-7 POWER SUPPLY and MAIN UNIT. Line up the red dots on the Lemo connectors and insert firmly. The cord will function in either direction, but we recommend it be connected such that the printing on the blue cable (CLASSE AUDIO INC.) reads from the POWER SUPPLY to the MAIN UNIT.

There is a POWER SWITCH on the back of the POWER SUPPLY. It is intended only for initial start-up and long term shut-off. As such, the DR-7 should normally be ON all the time.

The POWER SUPPLY has (4) UNSWITCHED and (4) SWITCHED A.C. OUTLETS. The latter are controlled by a toggle switch on the MAIN UNIT. While the outlets can handle in excess of 10 Amperes, it is recommended that power amplifiers be directly connected to a wall outlet.

Start-up and Muting

When power is initially applied to the DR-7, a warm-up cycle begins and the LED on the MAIN UNIT will flash green and red alternately. This indicates that the AUTO-MUTE circuit is activated and will override any and all settings on the preamp, including the MANUAL-MUTE toggle switch.

After approx. one minute, the LED will display either steady-state green or red, depending on the MANUAL-MUTE toggle switch position. Green indicates MUTE ON (no output from the preamp). Red indicates MUTE OFF (the preamp will play).

If power is interrupted for any reason, the AUTO-MUTE circuit will recycle. At all times, the power amplifier will be protected from pulses caused by line interruption, excessive brown-outs, or accidental removal of the A.C. line cord or the umbilical cord.

Phono Inputs

Each phono input has complete flexibility for gain, impedance, and capacitance settings. If your DR-7 contains head-amp boards, you may select between MOVING COIL and MOVING MAGNET gain.* The top switch along the row of 'dip' switches marked RES. is labelled MC or MM, for MOVING COIL or MOVING MAGNET gain respectively. The other switches in that row select the phono input impedance.

IMPORTANT NOTE!: IF YOUR DR-7 SPECIFICALLY CONTAINS 'NIL-3' HEAD-AMP BOARDS, IT HAS 'NATURAL IMPEDANCE LOADING' AND AUTOMATICALLY SETS THE INPUT IMPEDANCE FOR ANY MOVING COIL CARTRIDGE. DO NOT USE ANY OTHER SWITCH SETTINGS IN THIS CASE. TO DO SO WILL ONLY LOAD DOWN THE CARTRIDGE EXCESSIVELY AND DEGRADE THE SOUND.

There is another row of dip switches. These are marked CAP., and can be used to tailor the high frequency response of magnetic cartridges.

All of the above applies equally to PHONO 1 or PHONO 2. The settings for each will be retained and selected by the front panel selector switch.

*(Note: Each Phono input can be set to MC or MM, but BOTH phono inputs CANNOT be set to MM. This will not work.)

High Level Inputs

High level inputs are provided for the following: Auxillary (AUX), Tuner(TUNER), Compact Disc(CD) with special features(see below), two Tape loops (TAPE 1, TAPE 2). Inclusion of the two Tape inputs along with the MONITOR switches permits cross-dubbing between tape decks and/or listening to a second source simultaneously.

CD Input

The CD input has two basic modes of operation: FILTERED or DIRECT. For normal use, set the left dip switch(in a row of six located between the left and right CD inputs) in the down position. The CD input will function normally through the high level stage of the preamp. You may also use the filter dip switches to attenuate the high frequency response of CDs or CD Players. Leave the first switch in the same position(down), but select the others(1-5) for an equivalent

reduction in dB at approx. 16KHz. The filtered slopes represent frequency responses similar to concert halls, and can be an effective aid in not simply reducing the high end, but in restoring realism to the CD source.

For DIRECT CD use, set the left dip switch to the exclamation mark (!) (up position). WITH CD DIRECT THE PREAMP IS COMPLETELY BYPASSED AND SENDS THE CD SIGNAL DIRECTLY TO THE POWER AMPLIFIER(S). THE VOLUME CONTROLS ON THE DR-7 WILL HAVE NO CONTROL OVER THE CD DIRECT LEVEL. THEREFORE, CD DIRECT¹⁵_A IS INTENDED FOR USE ONLY WITH CD PLAYERS WHICH HAVE A VOLUME CONTROL. SWITCHING TO OTHER SOURCES ON THE DR-7 WILL RESTORE NORMAL OPERATION, BUT CAUTION SHOULD BE EXERCISED SINCE THE DR-7 LEVEL CONTROLS WILL NOT ATTENUATE A CD PLAYER IN THE DIRECT MODE. In the CD DIRECT mode previously selected filter positions will be bypassed.

The MANUAL-MUTE switch will continue to function in the CD DIRECT mode.

Main Outputs

There are two MAIN OUTPUTs provided. Both are identical and NON-inverting.

Star Grounding Buss Bar

In some systems it is advantageous to implement what¹⁶_A known as a STAR GROUNDING system, which can help to prevent ground loops and reduce the noise floor. All electronics should be floated; a single ground wire from each chassis should be connected to the STAR GROUNDING BUSS BAR on the DR-7. Check noise level by carefully turning up the volume without a source playing.

dB Switch

The dB switch on the front panel of the DR-7 is used to reduce HIGH LEVEL gain in the preamp by 5 or 10 dB. It is useful for matching the sensitivity of sources, loudspeakers, or room acoustics while maintaining a good position on the LEVEL controls.

THIS SHEET APPLIES TO DR-7 PREAMPLIFIERS WHICH CONTAIN THE
NIL-3 HEAD AMP BOARDS:

The NIL is factory set for a nominal gain of 27 dB.
The gain of various cartridges and preamplifiers, and their
noise levels, may be further optimised with different
levels of gain in the NIL.

Parts are supplied for the following gain levels:

<u>RESISTOR</u>	<u>GAIN</u>
90R9F	21 dB
1330F	24 dB
2000F	27 dB - STANDARD
3010F	30 dB
4870F	33 dB
8250F	36 dB

To change the NIL-3 gain in the DR-7, remove the top plate from the
MAIN UNIT of the DR-7. Remove the NIL-3 boards by pulling vertically
from their slots. Only one resistor is exposed on the NIL-3 board.
(All other parts are under the metal case.). Change this resistor
according to the chart above. Silver solder is provided for this
procedure.

Replace the boards carefully. Do not force them, but make sure the
top of the board is flush with its slotted guides.

Plasé Audio

DR-7 SPECIFICATIONS:

FREQUENCY RESPONSE (HIGH LEVEL): 7 Hz - 60 KHz (+0, -3 dB)
(PHONO): 20 Hz - 20 KHz (± 0.2 dB)

MAXIMUM OUTPUT: 8 Volts

DISTORTION (THD or IM): 0.1%

SENSITIVITY for 0.5V Output (HIGH LEVEL): 50 mV
(MAGNETIC PHONO): 0.5 mV
(MOVING COIL PHONO): 0.05 mV

GAIN (HIGH LEVEL) : 25 dB (Front panel switch can reduce gain
by -5 or -10 dB)
(MAGNETIC PHONO) : 35 dB
(MOVING COIL PHONO) : 27 dB (Can be changed from 21 to 36 dB in
3 dB increments, kit supplied)
(TOTAL) : 87 dB

INPUT IMPEDANCE (HIGH LEVEL): 50 K
(MAGNETIC PHONO): SELECTABLE: 3, 5, 10, 47, 100, 470,
10K, 33K, 47K, 100K, SPARE
(MOVING COIL PHONO): NIL-3 BOARDS: SELF-ADJUSTING

INPUT CAPACITANCE (PHONO): SELECTABLE: 47, 100, 150, 220, 330, 470 pf.

OUTPUT IMPEDANCE: Less than 1 ohm

S/N RATIO, A WEIGHTED (HIGH LEVEL): -93 dB
(MAGNETIC PHONO): -82 dB
(MOVING COIL PHONO): -80 dB

PHASE: ALL OUTPUTS NON-INVERTING

DIMENSIONS: Two chassis, each: 19.0 in. W
5.25 in. H
14.0 in. D
48.3 cm W
13.35 cm H
36.6 cm D

TOTAL WEIGHT: 55 lb.
25 kilo