

CLASSÉ AUDIO

DR-6/6L

PREAMPLIFIER

DR-6/6L

OWNER'S MANUAL

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UNPACKING & SET-UP

Your new preamplifier has been carefully wrapped in heavy guage plastic, packed in semi-rigid foam and contained in two cardboard boxes. To remove the unit, open and spread all the top flaps of both the outer and inner boxes. Lift out the four-piece "cell" to expose the power supply. Remove the power supply, the linecord, and the umbilical cord. Remove the cardboard separator and then, by its sides, lift out the entire main 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) Umbilical cord
- 3) 5/64 in. Allen key for top plate
- [DR-6 ONLY] 4) 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 its power supply and power amplifiers. 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 power supply 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" for 300 hours as it is used.

For optimum sonic performance, you should consider 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.

There are two A.C. OUTLETS on the back of the external power supply. These are both unswitched and unfused and are best suited for ancillary components. Power amplifiers are best plugged directly into a wall outlet.

INPUTS

The input jacks are clearly marked on the back of the DR-6/6L. The following inputs are provided: PHONO [DR-6 ONLY], BALANCED, CD, TUNER, AUXILIARY, AUXILIARY 2 [DR-6L ONLY], and TAPE.

PHONO [DR-6 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 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-6 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 R15 and R16, which are the MC GAIN setting resistors for the left and right channels respectively. ("MC GAIN" is marked above each resistor on the circuit board.) 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. Note that for grounding purposes, there is no nylon washer under the front-centre screw.

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-6/6L 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-6/6L 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-6/6L.

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-6/6L 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 and 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.

MODE SWITCH

Normally used in the STEREO position, this switch is excellent for checking channel information, noise, and troubleshooting. The LT position will send left channel only information to both outputs. The RT position will send right channel only information to both outputs. The REV position swaps the left and right channel information. MONO combines both left and right channel information and sends identical mono signals to both outputs.

BYPASS SWITCH

For optimum sonic performance, the BYPASS ON position eliminates the INPUT SELECTOR, TAPE, and MODE switches from the signal path. (Hint: If other inputs appear to be not working, check the BYPASS switch!) The BYPASS switch works in conjunction with the BYPASS MODE switch, below.

BYPASS MODE SWITCH

This switch selects which input will be bypassed. On the DR-6 ONLY, select between PHONO or BALANCED. On the DR-6L ONLY, select between CD or BALANCED.

BYPASS OPERATION INSTRUCTIONS

1. Turn 'Selector Switch' to the desired input function position.
2. Move 'Bypass Mode Switch' also to the desired input function position.
3. Turn 'Bypass On/Off Switch' to the 'On' position.

Possible bypass choices are:

Model DR6: 'Phono' or 'CD' inputs;
Model DR6L: 'Balanced In' or 'CD' inputs.

Notes:

The input 'Selector Switch' must be turned to the desired input bypass function, as all other positions not chosen are shorted to ground for superior sonic and grounding reasons. (However, the 'Signal Path' does not travel through the selector switch, you are just choosing which input does not get shorted to ground.)

Bypass operation removes 'Signal Path' from the Selector, Tape, and Mode Switches.

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.

CLASSÉ 6/6L LIMITED FACTORY WARRANTY (North America only).

Classé Audio Inc. warrants this preamplifier to be free from defects in materials and workmanship for a period of FOUR YEARS from the date of manufacture provided that any claim in virtue of this warranty be made in writing within such period.

Subject to all of the conditions stated herein, A LIMITED FACTORY LIFETIME WARRANTY IS EXTENDED ONLY TO THE ORIGINAL OWNER WHO PURCHASED THE PREAMPLIFIER IN NORTH AMERICA AND WHO CLAIMS UNDER THIS WARRANTY IN NORTH AMERICA.

IMPORTANT: WARRANTY REGISTRATION, AND A COPY OF THE "AUTHORIZED DEALER BILL OF SALE", MUST BE RECEIVED AT THE CLASSÉ FACTORY (address below) WITHIN TWENTY (20) DAYS OF PURCHASE, TO VALIDATE THIS WARRANTY.

In the event of failure of this preamplifier, resulting from defects in materials and workmanship, Classé Audio Inc. will repair, recalibrate, or at its discretion, replace the unit providing that all the conditions 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 TO THE CLASSÉ FACTORY. 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.

The warranty shall be void and of no effect in the event of any of the following:

- 1) Operation not in accordance with this manual;
- 2) Accident, abuse, tampering, or unauthorized modification, as determined by Classé Audio Inc.;
- 3) Removal, defacing, or falsifying the serial number plate;
- 4) Shipping without the complete factory packaging;
- 5) Transfer or sale of this preamplifier by the original owner;

6) Non-compliance with any of the other conditions hereof.

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

THIS WARRANTY, ALL CLAIMS MADE IN VIRTUE HEREOF, AND ALL ISSUES RELATING TO ANY SUCH CLAIM SHALL BE GOVERNED BY THE LAWS OF THE PROVINCE OF QUÉBEC.

CLASSÉ 6/6L MKII

FULL FEATURE PREAMPLIFIER

FEATURES AND SPECIFICATIONS SHEET

6 FEATURES:

Full size chassis, large power supply, sculpted one piece handles, balanced inputs, balanced outputs, regular outputs, MC/MM phono, tuner, tape, CD, AUX inputs, volume, balanced, mute, phono bypass, balanced bypass. Available in both Satin Black, and Soft Shadow Silver finishes.

6L FEATURES: Same as above except 2 AUX inputs and no Phono, with CD bypass, balanced bypass.

REMOTE OPTION: Both 6 and 6L are available with remote control option, featuring adjustments for Volume, Balance and Mute.

6/6L SPECIFICATIONS:

| | | |
|---------------------------|--------------------|---|
| Frequency Response: | | 20 Hz to 20 KHz +/- 0.1dB 1 Hz to 150 KHz, -3 dB |
| Maximum Output: | | 22 Volts |
| Sensitivity: | Line: | 120 Millivolts |
| | Magnetic Phono: | 3 Millivolts |
| | Moving Coil Phono: | 0.1 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 <i>ACTUAL = 50Ω</i> |
| Gain: | Line: | 18 dB |
| | Magnetic Phono: | 35 dB |
| | Moving Coil Phono: | 22 dB (Adjustable 20 dB - 40 dB) |
| Power Requirement: | | 50 Watts |
| Dimensions: | Gross: | 22" x 19 1/2" x 10 1/2" |
| | Net: | 19" x 14 3/4" x 6" |
| Weight: | Gross: | 42 lbs |
| | Net: | 36 lbs |