

CLASSÉ AUDIO

**20**

REMOTE CONTROL

LINE PREAMPLIFIER

**20**

OWNER'S MANUAL

## *CLASSÉ DESIGN PHILOSOPHY*

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### 1. REPEATED LISTENING DESIGN SESSIONS:

Fine tuning of sound by exchanging and mixing of parts (transistors, capacitors, wiring, PCB boards etc.), and adjusting many specific operating voltages within proper engineering ranges, producing an overall sonic recipe giving the most natural harmonic realism of music typical of instruments in a live performance.

### 2. UPGRADABLE SINGLE CIRCUIT DESIGNS:

All Classé products (all preamps and all amps) share exactly the same circuit design philosophy (excluding moving coil and moving magnet phono circuits). This means all amplifiers and all high level circuits of the preamps benefit from the same design goals. Similar circuits are then tailored to different power levels etc. Differences between less expensive models and more expensive models are parts quality and compliment, power supply extravagance and the amount of filtering etc., as well as features and packaging.

This means that for years Classé has been constantly sonically fine tuning and technically upgrading this circuit design and its application, thus reaching a very high level of natural musical enjoyment, as well as excellent reliability which benefits all models - least expensive, most expensive, preamps and amplifiers alike.

### 3. EXTREME LONG LIFE IN REAL WORLD CONDITIONS:

Choosing the best attainable quality parts and materials combined with the advantages of the two above-mentioned areas provides Classé owners with years of proven trouble free reliability and musical enjoyment.

OWNER'S MANUAL

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## ***UNPACKING & SET-UP***

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Your CLASSÉ 20 preamplifier has been carefully wrapped in a heavy gauge plastic bag, 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 foam pieces intact. Remove each foam side by pulling straight out. Remove the plastic bag 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) ALLEN KEY FOR TOP COVER.
- 3) REMOTE CONTROL UNIT (Allen key and Batteries: AAA X 2 included).

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. line cords.

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 internal fuse rating should be 1 AMP SLO-BLO.

## ***A.C. LINE POWER***

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The Classé **20** preamplifier has no power switch. Its low power consumption and improved sonics from always being ON led to the omission of an ON/OFF switch. In fact, while thoroughly musical shortly after turn-on, the preamplifier will exhibit "sonic growth" during its first 300 hours of use.

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

### **SAFETY FEATURE:**

The **20** preamplifier is designed with an auto-muting circuit which engages and is indicated by a FLASHING GREEN LED when the unit is first connected, or after an AC power failure. After 15 seconds the STEADY GREEN LED signals that the unit is in STANDBY mode (Note: MUTE is ON during STANDBY mode).

This feature will prevent any turn-on surges or unstable output from reaching the power amplifier and possibly the loudspeakers. Similarly, make sure the MUTE is ON (STEADY GREEN) again when removing A.C. line power.

### **CAUTION:**

DISCONNECT AC LINE CABLE WHILE MAKING ALL CONNECTIONS. "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 MANUAL.

## **INPUTS and OUTPUTS:**

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The input jacks are clearly marked on the back of the **20**. The following inputs are provided: TUNER, VIDEO, CD, AUX1, AUX2 and TAPE.

### AUX INPUTS:

When selected the AUX inputs serve as additional high level inputs, accommodating additional sources such as VIDEO, CD, TUNER, etc...

### TUNER, VIDEO, CD:

These are all high level inputs sharing exactly the same characteristics, and may be interchanged if so desired.

### TAPE IN

The TAPE IN of the 20 preamplifier 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.)

### 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.

### MAIN OUTPUTS

Simply connect your regular interconnects to the RCA output jacks marked MAIN OUT on the back of the **20**. The **20** is provided with 2 sets of Main Outputs (MAIN OUT 1, MAIN OUT 2) which can be operated separately or both simultaneously.

## **FRONT PANEL CONTROLS**

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### **INPUT SELECTOR:**

This selects one of the five inputs (TUNER, VIDEO, CD, AUX1, and AUX2) connected to the preamplifier, except TAPE IN (see TAPE SWITCH below). The selector switch is silent and will prevent pulses when switching positions. However, it remains good practice to reduce the volume control level or put MUTE to ON (steady GREEN LED) 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 TAPE 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 center (detented) position without additional loading to the signal. When shifted to the left or right, it merely attenuates the opposite channel.

### **VOLUME CONTROL:** (remote control)

The VOLUME CONTROL varies the output level of both channels simultaneously. It can be operated from remote using the hand held control unit (see fig.1 Page 9) or manually turning the control knob at the preamp.

PLAY/MUTE SWITCH: (remote control)

Switching between PLAY and MUTE can be done by either manually pressing the PLAY/MUTE switch down momentarily on the 20 faceplate or pushing the MUTE button on the hand held remote control unit. The PLAY (or MUTE OFF) and MUTE ON selections are indicated by the STEADY RED or GREEN LED respectively at the preamp.

When MUTE (ON) is selected, which is indicated by a STEADY GREEN LED, the outputs of the preamplifier are completely cut off. In the PLAY (MUTE OFF) selection, which is indicated by a STEADY RED LED, the signal is allowed to pass to the power amplifier.

NOTE: WHEN THE 20 IS IN THE MUTE POSITION, AND THE VOLUME CONTROL IS TURNED UP USING THE REMOTE CONTROL UNIT, THE PLAY MODE IS AUTOMATICALLY SELECTED.

CAUTION: Make sure the preamp is in MUTE (ON) when making or changing any connections. This includes all inputs and outputs, as well as A.C. linecord.





***CLASSE 20 LIMITED FACTORY WARRANTY*** (North America only).

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Classé Audio Inc. warrants this preamplifier to be free from defects in materials and workmanship for a period of FOUR YEARS from date of manufacture provided that any claim in virtue of this warranty be made in writing within such period. (Hand held remote control 1 year only. No warranty for batteries).

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 (not applicable to hand held remote control and batteries).

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, Classé 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.

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 REGARDING 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 20**  
**REMOTE CONTROL**  
**LINE PREAMPLIFIER**  
**FEATURES**  
**AND**  
**SPECIFICATIONS SHEET**

**20 FEATURES:**

Slimline contoured Chassis featuring Remote control with adjustments for Volume and Mute. Inputs include Tuner, Video, CD, Aux1, Aux2, and Tape. The 20 features two sets of Main Outputs and controls for Volume, Balance and Mute.

Available in both Satin Black and Soft Shadow Silver finishes.

**20 SPECIFICATIONS:**

Frequency Response:		20 Hz to 20 KHz +/- 0.1dB
Maximum Output:		15 Volts
Sensitivity:		120 Millivolts
S/N Ratio ('A' Weighted):		95 dB
Input Impedance:		50 KOhms
Output Impedance:		Less than 1 Ohm
Gain:		20 dB
Power Requirement:		50 Watts
Dimensions:	Gross:	22 1/2" x 14 1/2" x 7 1/2"
	Net:	19" x 10 3/4" x 2 7/8"
Weight:	Gross:	15 lbs
	Net:	11 lbs

***WARRANTY REGISTRATION***

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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 Classé warranty.



**20** 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: CLASSÉ AUDIO INC.  
Product Registration  
5070 François Cusson  
Lachine, Quebec, Canada  
H8T 1B3