

# **CRATE**

**G20C XL**

**G200C XL**



**STEREO CHORUS AMPLIFIER**

## **CRATE** G20CXL/G200CXLH STEREO CHORUS AMPLIFIER



We would like to take this opportunity to thank you for selecting a Crate product, and to tell you of our commitment to the design and manufacture of only the finest musical instrument amplification equipment; built for you, the musician.

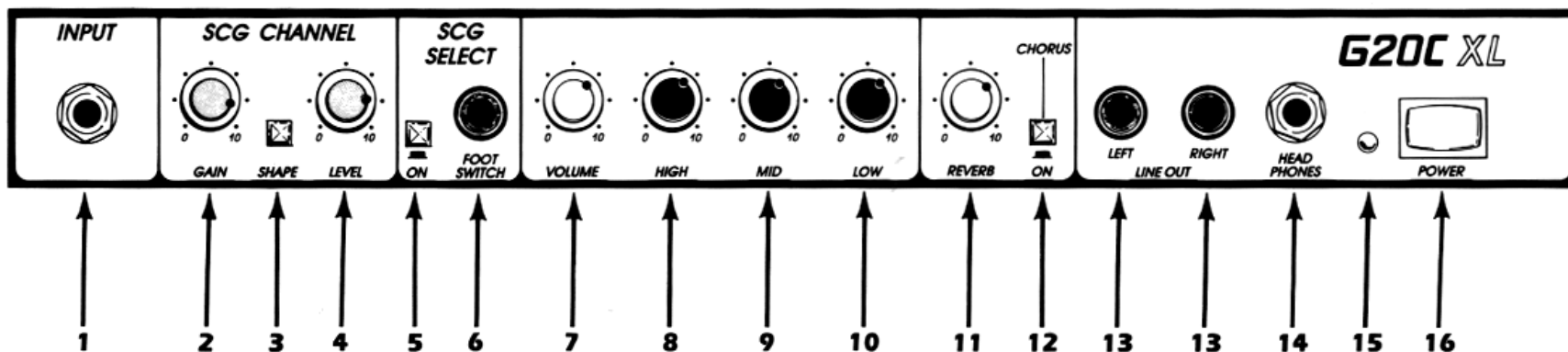
You have purchased one of the most innovative sound amplification devices available today. Your Crate amplifier gives you more performance features than ever before; features that you, the musician, have asked for.

Your Crate amplifier is an American product, manufactured at our factory in St. Louis, Missouri. Only the finest available components and materials are used in the manufacture of each amplifier.

All Crate amplifiers are subject to seven or more inspection and testing steps to assure you of a high quality product. The final test for each amp is conducted by a trained musician with the instrument the amp was designed for. Any unit that does not meet the standards of his discriminating ear will not be passed.

Since all Crate products are designed, developed, and manufactured through the cooperative efforts of engineers and professional musicians, the end result is a product that responds to the musician's audio requirements, and a product that will serve your needs for years to come.

## OPERATION



### FRONT PANEL—

- 1. INPUT JACK:** This 1/4" phone Jack accepts input from a guitar or other input source.
- 2. GAIN CONTROL:** This control sets the gain of the SCG Channel to adjust the amount of overdrive. This control works in conjunction with the Volume control (7).
- 3. SHAPE SWITCH:** This switch selects the tone of the SCG Channel. The "Out" position gives a sound with mid-frequency emphasis and the "In" position gives a highly textured sound with emphasis on highs and lows.
- 4. LEVEL CONTROL:** This control sets the overall level in the SCG Channel.
- 5. SCG CHANNEL SELECT SWITCH:** The SCG Channel is the maximum gain channel and is typically used for an overdriven sound. It is selected by pushing this switch "In." In this position all gain and tone controls are active. The "Out" position selects the lower gain normal channel. It should be used for the cleanest sound.
- 6. FOOTSWITCH JACK:** This Jack is to be used with the Channel Selector/

Reverb footswitch. When this is used the SCG Channel Select switch (5) is inactive.

7. **VOLUME CONTROL:** This control sets the overall level of the normal channel. It must also not be at zero for the SCG Channel to function.
8. **HIGH CONTROL (TREBLE):** This knob affects the upper harmonic range of the guitar; clockwise (higher) settings increase the crispness or "bite" of the sound.
9. **MID CONTROL:** The amount of mid-range tone is set using this control. Low settings can "thin out" the sound, while higher settings can give a "fatter" sound. This control is especially useful while using the SCG channel.
10. **LOW CONTROL (BASS):** The amount of "bottom" or "warmth" may be increased or decreased with this knob.
11. **REVERB CONTROL:** This control al-

lows the player to alter the apparent acoustical qualities of a room. The sound can be adjusted from very "flat" or "dry" to that of a concert hall.

12. **CHORUS SWITCH:** The preset stereo chorus is selected by pushing this switch to the "In" position.
13. **LINE OUT JACKS:** These are unbalanced line outputs which may be used to link the G20CXL/200CXL to additional amplifiers or to a tape recorder.
14. **HEADPHONES JACK:** Standard stereo headphones may be plugged into this jack. Doing so disconnects the speakers, allowing private listening. A mono mix of the stereo signal is heard in the headphones.
15. **POWER LED INDICATOR:** When the amplifier is on this LED is lit.
16. **POWER SWITCH:** Pressing the right side of the switch turns the unit on and the left side turns the unit off.

**POWER CORD:** Your G20CXL/200CXL is equipped with a heavy-duty grounded three-wire power cord. Be sure this cord is properly plugged into a safely wired grounded 120 volt, 60 hz AC power outlet before use. (If your G20CXL/200CXL was purchased outside the United States, refer to the rear panel for power ratings). For your safety, never attempt to defeat the ground connection on this cord.

**SPEAKER JACKS:** (not shown, G200CXL only) These two 1/4" jacks provide 10W outputs at a minimum of 4 ohms.

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## **G20CXL/200CXL TECHNICAL SPECIFICATIONS**

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<b>Output Power Rating</b>	20 watts RMS (2 x 10) @ 5% THD 4 ohm load — 120 VAC
<b>Speaker Size and Rating:</b>	Two Custom Design 6-1/2" (G20CXL only) Power Handling 20 watts RMS
<b>Low Control</b>	18 dB range @ 80 Hz
<b>Mid Control</b>	10 dB range @ 600 Hz
<b>High Control</b>	20 dB range @ 6 KHz
<b>Input Impedance</b>	280K ohms
<b>Maximum Input Signal Level Accepted</b>	2.5 volts, peak to peak
<b>Total System Gain</b>	105 dB
<b>Signal to Noise Ratio</b>	70 dB
<b>Line Level Output</b>	1.6 v p-p @ full output
<b>Headphone Level</b>	17 mw with 8 ohm phones 1.25 v with open circuit
<b>Input Power Requirements</b>	120 VAC, 60 Hz, 100 w max (domestic USA models)
<b>Cabinet Size and Weights</b>	G20CXL - 11-3/4" H x 17-3/4" W x 7-1/4" D 20 lbs. G200CXL - 7-3/4" H x 17-3/4" W x 7-1/4" D 16 lbs.

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**Specifications subject to change without notice.**

**CAUTION: To reduce the risk of electric shock, do not remove chassis. No user serviceable parts inside. Refer servicing to qualified service personnel.**

**CAUTION: This amplifier is capable of producing high sound pressure levels (high volume). Continued exposure to high sound pressure levels can cause permanent hearing impairments or loss. User caution is advised, and ear protection is recommended when playing at high volumes.**