



CRATE

G . 40C STEREO CHORUS AMP

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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 stops 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.

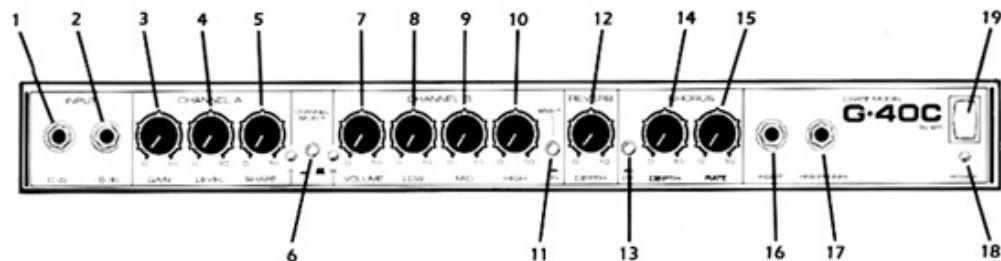
G-40C TECHNICAL SPECIFICATIONS

Output Power Rating	40 watts RMS @ 5% THD 4 ohm load — 120 VAC line
Speaker Size and Rating	G-40C: Custom Design 8" Power Handling 20 watts RMS G-40C/GT: Celestion G8L-35
Bass Control	30 db range @ 100 Hz
Mid Control	12 db range @ 1 KHz
Treble Control	26 db range @ 5 KHz
Bright Switch	8 db boost @ 6 KHz
Input Impedance	220K ohms/"0 db" input 44K ohms/"-6 db" input
Maximum Input Signal Level Accepted	4 volts, peak to peak/"0 db" input 8 volts, peak to peak/"-6 db" input
Total System Gain	Channel A: 88 db @ 1 KHz [Shape @ 0, Bright Switch off] Channel B: 58 db @ 1 KHz [Controls @ 10, Bright Switch off]
Signal to Noise Ratio	Channel A: 51 db—with Gain @ 10, Shape @ 0, Level @ 10 Channel B: 62 db—with all controls @ 10, Bright Switch off
Input Power Requirements	120 VAC, 60 Hz, 200 watts max
Fuse Rating and Type	2 amp, 250V internal
Cabinet Size and Weight	15-1/2" H x 20-3/4" W x 8-3/4" D 30 lbs.

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 equipment is capable of producing sound pressure levels greater than 110 dB SPL. Continued exposure to such high sound pressure levels can cause permanent hearing impairment or loss. User caution is advised, and ear protection is recommended.



FRONT PANEL—INPUT SECTION

- 0 dB INPUT JACK:** This input accepts a standard 1/4" phone plug and is suitable for any low to line level signal source such as an electric guitar.
- 6 dB INPUT JACK:** This input also accepts a standard 1/4" jack but is padded 6 dB for hotter inputs such as tape decks or guitars with hot pickups. If both jacks are used, this input is not padded and will be equal to the 0 dB input jack.

CHANNEL A CONTROLS

- GAIN CONTROL:** This control sets the amount of gain for Channel A and is used to vary the amount of distortion. Minimal distortion is achieved with this control rotated counterclockwise. A fully clockwise setting creates maximum distortion.
- LEVEL CONTROL:** The overall volume of Channel A is controlled with this knob and should be used in conjunction with the GAIN CONTROL [#3].
- SHAPE CONTROL:** This is the overall tone control for Channel A. When turned to the left, a setting with heavy emphasis on mid range is achieved. When rotated to the right, the amp creates a "fat" sound with extra boost on lows and highs.
- CHANNEL SELECT SWITCH:** This switch is used to select between Channel A and Channel B. When using

the optional footswitch [23], this switch is inoperative.

- VOLUME CONTROL:** This control sets the overall listening level of Channel B. This control is independent of any setting made in Channel A.
- LOW CONTROL (Bass):** The desired amount of "Bottom" or "Warmth" may be increased or decreased with this knob.
- MID CONTROL (Mid):** The tonal qualities of the midrange are very important to a good guitar sound. This knob can "thin-out" the sound when turned down, or "fatten-up" the tone when larger amounts are used.
- HIGH CONTROL (Treble):** This knob will affect the upper harmonic range of the guitar. Boosting it sharpens or adds crispness to the sound. For additional effect, use this control in conjunction with the Bright switch [#11].
- BRIGHT SWITCH:** This switch affects the brilliance of the guitar's sound by adding additional "bite" or sharpness. This switch affects both Channel A and B.
- DEPTH CONTROL (REVERB):** This control allows the player to alter the apparent acoustical qualities of a room. The sound can be altered from very "Flat" or "Dry" when the control

is turned off, to that of a concert hall when used in larger amounts.

CHANNEL B CONTROLS

- CHORUS SWITCH:** This switch turns on the stereo chorus when depressed. It must be in this position to enable the chorus footswitch [24].
- DEPTH:** This control sets the amount or depth of the chorus effect.
- RATE:** This control sets the sweep speed of the chorus effect. Together, these two chorus controls determine the overall chorus effect from a slow "phasing" sound to a lively, shimmering effect and beyond. The stereo nature of the G-40C gives a "three-dimensional" quality to the unit making it sound full and "alive."
- INSERT JACK:** This stereo 1/4" jack is a line out (tip)/line in (ring) jack.
- HEADPHONES JACK:** Standard stereo headphones may be plugged into this jack. This disconnects all speakers from the unit, allowing private listening.
- ON/OFF LED INDICATOR:** The amplifier is on when this LED is lit.
- ON/OFF SWITCH:** This is a two position switch; the down position will turn the unit on, while the up position will turn it off.



20. POWER CORD: Be sure the amplifier is properly plugged into a safely wired AC outlet before use.

21. EXTERNAL SPEAKER JACKS: These jacks are for additional speaker hookup. Any number of speakers may be added since these jacks are in series with the internal speakers.

22. LINE OUT JACKS: These jacks are used to connect the unit to additional amplifiers or to connect the amp to a tape recorder or mixing board. Using both the left and right outputs will preserve the proper stereo signal. External speakers cannot be connected to these jacks.

23. CHANNEL/REVERB FOOTSWITCH JACK: This jack is to be used with the Channel Selector/Reverb footswitch.

24. CHORUS FOOTSWITCH JACK: This jack is to be used with a standard footswitch to control the chorus. The Chorus Switch (13) must be depressed to enable this footswitch.

LIMITED WARRANTY

SLM Electronics warrants this product to be free of defects in material and workmanship for a period of one (1) year from the original date of purchase to the original purchaser and is not transferable. Speakers, tubes, and meters carry a ninety (90) day warranty. This warranty is subject to the conditions, exclusions, and limitations hereinafter set forth.

Excluded from this warranty are defects caused by wear and tear, misuse, neglect, alterations and modifications, or act of nature. Such determinations will be made by SLM Electronics. Warranty is also void if:

- The original retail purchase is not made from an Authorized Crate or Audio Centron dealer;
- The serial number affixed to the product is altered, defaced or removed.

All parts costs will be borne by SLM Electronics within the warranty period. Labor costs will be covered within the warranty period according to rate schedules established by SLM Electronics. Warranty service may be done by SLM Electronics or an SLM Authorized Field Service Center. Transportation charges involved in warranty service are the sole responsibility of the purchaser.

SLM Electronics warrants speakers to be free from defects in material and

workmanship for a period of ninety (90) days from original date of purchase. Speaker warranty will be subject to inspection of speaker by SLM Electronics or SLM Authorized Field Service Center. Obvious overpowering will result in warranty denial. Replacing speakers can be over-loaded causing failure, SLM Electronics will replace the speaker with a speaker of same or equal type at a price one-half the then current suggested retail price of the new speaker for life, regardless of reason.

Warranty repairs may be handled by your authorized dealer, authorized SLM Service Center, or SLM Electronics. All units being returned to SLM Electronics must be accompanied with a detailed description as to needed repairs, a copy of the original sales receipt, and an SLM Electronics return authorization. SLM Electronics reserves the right to repair or replace this piece of equipment at their option.

SLM Electronics is not liable for any incidental or consequential damages resulting from any defect or failure of this instrument other than the repair of the SLM Electronics product subject to the terms of this warranty. This limited warranty gives you specific legal rights, and you may have other rights which vary from state to state. This warranty is expressly in lieu of all other agreements and warranties, expressed or implied, except as may be otherwise required by law.

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