GFX50



DUAL INPUT GUITAR AMPLIFIER with DIGITAL SIGNAL PROCESSING



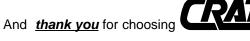
OWNER'S MANUAL

Congratulations!

You are now the proud owner of the Crate GFX50 TwoTone guitar amplifier. This unique amplifier allows two guitarists to play simultaneously, making it perfect for students, band practices, and live performances. An easy to operate DSP section lets you dial in a variety of digital effects such as delay, flange, chorus and reverb. RCA inputs with a level control allow you to play along with a compact disc, a tape, or a drum machine.

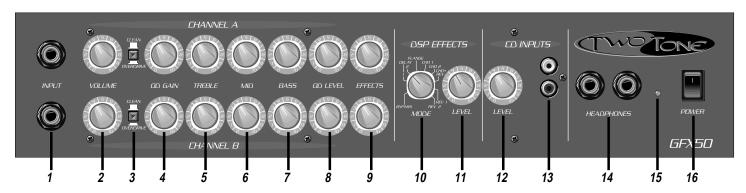
Your GFX50 is Musician Made in the U.S.A., using only the best components. Extensive testing at the hands (and ears) of skilled technicians and musicians insures you that this amplifier is the absolute best it can be.

In order to get the most out of your new amplifier, we strongly urge you to go over the information contained in this manual before you begin playing.





The Front Panel:



Channel A and B are independent of each other up to the DSP and CD inputs. The text below (#1-9) applies to both channels.

- INPUT: Connect the output signal from your guitar here by means of a shielded instrument cable.
- VOLUME: Use this control to set the clean channel's output signal level.
- CLEAN/OVERDRIVE: Use this switch to select the clean channel (switch in the out position) or the overdrive channel (switch depressed).
- 4. OD GAIN: Use this control to set the overdrive channel's input signal gain. This control works in conjunction with the level control (#8) to set the amount of distortion and the output signal level of the overdrive channel.
- TREBLE: Use this control to adjust the high frequency level of the output signal. This control has a range of 27dB of boost or cut at 12kHz.
- MID: Use this control to adjust the midrange frequency level of the output signal. This control has a range of 20dB of boost or cut at 1.5kHz.
- 7. BASS: Use this control to adjust the low frequency level of the output signal. This control has a range of 28dB of boost or cut at 40Hz.
- OD LEVEL: Use this control to set the overdrive channel's output signal level. (Works in conjunction with the gain control, #4.)
- EFFECTS: Use this control to set the amount of DSP effects applied to the output signal.
- 10. DSP MODE: Use this control to select the type of digital signal processing effect(s) applied to the output signal. Each effect and its location is called out by the markings around the control. The effects are as described as follows:

BYPASS: No effect
DELAY 1: Short delay effect
DELAY 2: Long delay effect
FLANGE: Light flanging effect

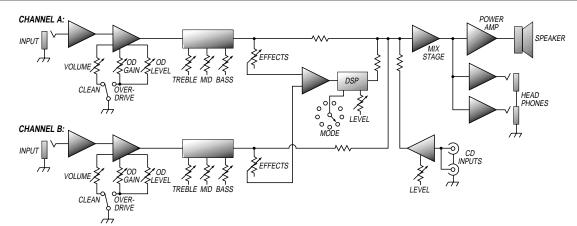
CHO 1: Slow chorus effect CHO 2: Fast chorus effect

CHO+REV: Slow chorus effect with reverberation

REV 1: Small room reverberation REV 2: Large hall reverberation

- DSP LEVEL: Use this control to set the amount of digital effect applied to the output signal.
- 12: CD INPUTS LEVEL: Use this control to adjust the level of the signal applied to the the CD input jacks (#13).
- 13. CD INPUT JACKS: Use these jacks to connect the output of a CD or tape player to the amp. (The jacks are internally summed to create a mono signal.)
- 14. HEADPHONES: Use these jacks to connect one or two pairs of stereo headphones to the amplifier. When the headphones are used, the internal speaker is disconnected.
- **15. LED:** This LED illuminates when the amplifier is on.
- 16. POWER: Use this switch to turn the amplifier on and off. The amplifier is on when the top of the switch is depressed; off when the bottom of the switch is depressed.
- 17. AC LINE CORD(rear panel, not shown): Plug this cord into a properly wired, grounded, 120 volt, 60 cycle AC outlet. DO NOT attempt to defeat the ground connection of this power cord! If your amplifier was purchased outside of the United States, see the unit's rear panel labeling for its power rating, and follow the above guidelines.





Some Suggested Settings:

CRYSTAL CLEAN:



PUNCHY CLEAN:



DIRTY PUNCH:



DIRTY BLUES:



EDGIE:



SWEATY METAL:



ARENA METAL:



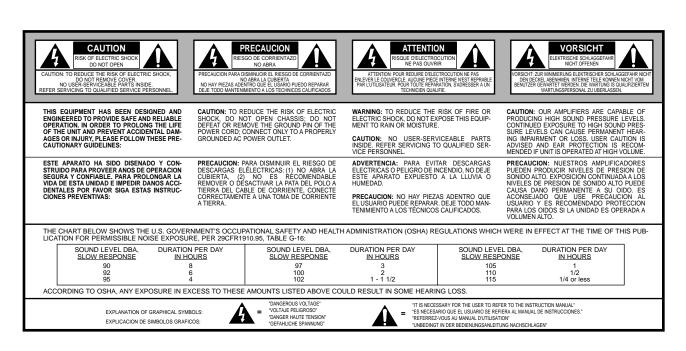
MAMMOTH METAL:



GFX50 TECHNICAL SPECIFICATIONS

Output Power Rating		50 watts RMS @ 5% THD 4 ohm load
Maximum Input Signal Level Accepted		2.3 volts, peak-to-peak
Total System Gain		Overdrive Channel: 93dB all controls @10
		Clean Channel: 50dB all controls @10
Input Impedance		270k ohms
Tone Controls (Overdrive/Clean)	Bass:	28dB range @ 40Hz
	Mid:	20dB range @ 1.5kHz
	Treble:	27dB range @ 12kHz
CD Inputs		Maximum signal level 7.75V rms
Headphones		Minimum impedance 32 ohms
Internal Speaker		12" Crate Custom, 4 ohms, 1.5" voice coil, 30 oz. magnet
Input Power Requirements		120 VAC, 60Hz, 75VA
		100/115VAC, 50/60Hz, 75VA
		230VAC, 50/60Hz, 75VA
Cabinet Size and Weight		19" H x 19-3/8" W x 9-1/2" D, 28 lbs.

Crate continually develops new products, as well as improves existing ones. For this reason, the specifications and information in this Crate manual are subject to change without notice.



The GFX50 is covered with a durable black Tolex material: wipe it clean with a lint-free cloth. Never spray cleaning agents onto the cabinet. Avoid abrasive cleansers which could damage the finish.



