

# CRATE

# GLX15

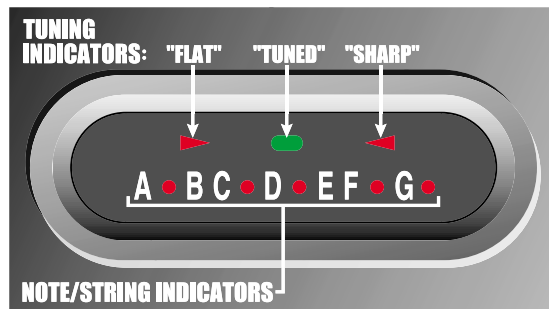
## Guitar Amplifier with DSP



## Owner's Manual

**Congratulations** and thank you for choosing the Crate GLX15 Guitar Amplifier with Digital Signal Processing. This rugged amplifier combines outstanding features with serious clean and distorted sounds. An easy to operate DSP section lets you dial in a variety of digital effects including reverbs, delays, octave and wah-wahs. The GLX15 also features an electronic tuner to help you get tuned and stay in tune – any time the amplifier is on.

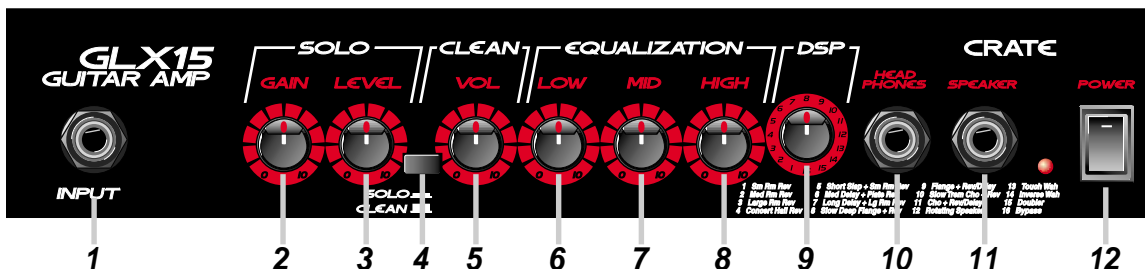
Located on the top of the amplifier, the electronic tuner is active whenever the amp is turned on, providing constant, “real-time” tuning. The bottom row of LEDs indicates which note (string) is being tuned. The top row of LEDs provides directional queues to facilitate quick and precise tuning of your instrument. The indicated note (string) is properly tuned when only the center LED of the top row is illuminated.



<b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN	<b>PRECAUCION</b> RIESGO DE CORRIENTAZO NO ABRA	<b>ATTENTION</b> RISQUE D'ELECTROCUTION NE PAS OUVRIR
WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE. TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.	PRECAUCION: PARA REDUCIR EL RIESGO DE INCENDIOS O DESCARGAS ELECTRICAS, NO PERMITA QUE ESTE APARATO QUEDE EXPUESTO A LA LLLUVIA O LA HUMEDAD. PARA DISMINUIR EL RIESGO DE CORRIENTAZO, NO ABRA LA CUBIERTA. NO HAY PIEZAS ADENTRO QUE EL USUARIO PUEDE REPARAR DEJE TODO MANTENIMIENTO A LOS TECNICOS CALIFICADOS.	ATTENTION: PROTEGEZ CET APPAREIL DE LA PLUIE ET DE L'HUMIDITE AFIN D'EVITER TOUT RISQUE D'INCENDIE OU D'ELECTROCUTION. POUR REDUIRE D'ELECTROCUTION NE PAS ENLEVER LE COUVERCLE. AUCUNE PIECE INTERNE N'EST REPARABLE PAR L'UTILISATEUR. POUR TOUTE REPARATION, S'ADRESSER A UN TECHNICIEN QUALIFIE.
<b>IMPORTANT SAFETY INSTRUCTIONS</b>		
<ul style="list-style-type: none"> <li>• READ, FOLLOW, HEED, AND KEEP ALL INSTRUCTIONS AND WARNINGS.</li> <li>• DO NOT OPERATE NEAR ANY HEAT SOURCE AND DO NOT BLOCK ANY VENTILATION OPENINGS ON THIS APPARATUS. FOR PROPER OPERATION, THIS UNIT REQUIRES 3" (75mm) OF WELL VENTILATED SPACE AROUND HEATSINKS AND OTHER AIR FLOW PROVISIONS IN THE CABINET.</li> <li>• DO NOT USE THIS APPARATUS NEAR SPLASHING, FALLING, SPRAYING, OR STANDING LIQUIDS.</li> <li>• CLEAN ONLY WITH LINT-FREE DAMP CLOTH AND DO NOT USE CLEANING AGENTS.</li> <li>• ONLY CONNECT POWER CORD TO A POLARIZED, SAFETY GROUNDED OUTLET WIRED TO CURRENT ELECTRICAL CODES AND COMPATIBLE WITH VOLTAGE, POWER, AND FREQUENCY REQUIREMENTS STATED ON THE REAR PANEL OF THE APPARATUS.</li> <li>• PROTECT THE POWER CORD FROM DAMAGE DUE TO BEING WALKED ON, PINCHED, OR STRAINED.</li> <li>• UNPLUG THE APPARATUS DURING LIGHTNING STORMS OR WHEN UNUSED FOR LONG PERIODS OF TIME.</li> <li>• ONLY USE ATTACHMENTS, ACCESSORIES, STANDS, OR BRACKETS SPECIFIED BY THE MANUFACTURER FOR SAFE OPERATION AND TO AVOID INJURY.</li> <li>• THIS APPARATUS DOES NOT OPERATE NORMALLY AND REQUIRES SERVICE WITH ANY PHYSICAL DAMAGE FROM IMPACT OR ANY EXPOSURE TO MOISTURE.</li> <li>• SERVICE MUST BE PERFORMED BY QUALIFIED PERSONNEL.</li> <li>• OUR AMPLIFIERS ARE CAPABLE OF PRODUCING HIGH SOUND PRESSURE LEVELS. CONTINUED EXPOSURE TO HIGH SOUND PRESSURE LEVELS CAN CAUSE PERMANENT HEARING IMPAIRMENT OR LOSS. USER CAUTION IS ADVISED AND EAR PROTECTION IS RECOMMENDED IF UNIT IS OPERATED AT HIGH VOLUME.</li> </ul>		
EXPLANATION OF GRAPHICAL SYMBOLS: EXPLICACION DE SIMBOLOS GRAFICOS: EXPLICATION DES SYMBOLES GRAPHIQUES:	= "DANGEROUS VOLTAGE" "VOLTAJE PELIGROSO" "DANGER HAUTE TENSION"	= "IT IS NECESSARY FOR THE USER TO REFER TO THE INSTRUCTION MANUAL" "ES NECESARIO QUE EL USUARIO SE REFIERA AL MANUAL DE INSTRUCCIONES." "REFERREZ-VOUS AU MANUAL D'UTILISATION"

# CRATE GLX15 Guitar Amplifier with DSP

## The Front Panel:



**1: INPUT:** Use this 1/4" jack to connect your guitar to the amplifier by means of a shielded instrument cable.

**SOLO CHANNEL:** A high gain channel giving you sounds from a slight edge to serious overdrive.

**2: GAIN:** Use this control to adjust the amount of distortion for the Solo channel.

**3: LEVEL:** Use this control to adjust the output level of the Solo channel.

**4: SOLO/CLEAN:** Use this switch to select the Solo or Clean channel. With the switch in the out position, the Clean channel is selected. When the switch is depressed, the Solo channel is selected.

**CLEAN CHANNEL:** A normal gain channel designed to give you crystal clear sounds to medium distortion.

**5: VOL:** Use this control to adjust the output level of the Clean channel.

**6: LOW:** Use this control to adjust the low frequency level of the amplifier.

**7: MID:** Use this control to adjust the midrange frequency level of the amplifier.

**8: HIGH:** Use this control to adjust the high frequency level of the amplifier.

**9. DSP:** Use this control to select one of the 15 built-in digital effects. The numbers around the control correspond to the digital effects as listed in the chart below.

**10: HEADPHONES:** Use this jack to connect headphones to the amplifier. The internal speaker is disconnected when headphones are used.

**CAUTION:** To avoid possible damage to your hearing, do not use headphones for extended periods of time at extremely loud levels.

**11: SPEAKER:** Use this jack to connect the amplifier to an external speaker. The internal speaker is disconnected when this jack is used. The impedance of the external speaker must be 4 ohms or greater.

**WARNING:** Do not attempt to use headphones in the Speaker jack! Permanent hearing damage could result!

**12: POWER:** Use this switch to turn the amplifier on (top of the switch depressed) and off (bottom of the switch depressed). The adjacent LED illuminates when the amplifier is turned on.

**13: POWER CORD (rear panel, not shown):** The grounded power cord should only be plugged into a grounded power outlet that meets all applicable electrical codes and is compatible with the voltage, power, and frequency requirements stated on the rear panel. **Do not attempt to defeat the safety ground connection.**

## The Digital Effects:

1 - Small Room Reverb	9 - Flange with Reverb and Delay
2 - Medium Room Reverb	10 - Slow Tremolo Chorus With Reverb
3 - Large Room Reverb	11 - Chorus with Reverb and Delay
4 - Concert Hall Reverb	12 - Rotating Speaker
5 - Short Slapback with Small Room Reverb	13 - Touch Wah
6 - Medium Delay with Plate Reverb	14 - Inverse Wah
7 - Long Delay with Large Room Reverb	15 - Doubler
8 - Slow Deep Flange with Reverb	16 - Bypass (no effect)

# CRATE **GLX15** Guitar Amplifier with DSP

## **GLX15 TECHNICAL SPECIFICATIONS:**

Output Power Rating		12W RMS @ 5% THD, 4 $\Omega$ , 120 VAC
Gain	Solo Ch	86dB +/-6dB @ 1kHz
	Clean Ch	46dB +/-6dB @ 1kHz
Maximum Input Signal Accepted		2.2 volts RMS min. @ 400Hz
Tone Controls	Low	25dB range @ 80Hz
	Mid	19dB range @ 900Hz
	High	23dB range @ 5kHz
Signal To Noise Ratio	Solo Ch	>50dB
	Clean Ch	>65dB
Speaker Size and Rating		8" Crate Custom Design 4 ohm
Power Requirements		120 VAC, 60Hz, 30VA
		100/115VAC, 50/60Hz, 30VA
		230VAC, 50/60Hz, 30VA
Size and Weight		13" H x 14-3/4" W x 8-1/4" D, 15 lbs.

The GLX15 is covered with a durable Tolex material: wipe it clean with a lint-free cloth. Never spray cleaning agents onto the cabinet. Avoid abrasive cleansers which would damage the finish.

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

### **Declaration Of Conformity**

#33, Effective 01-01-2001

<b>Manufacturer's Name:</b>	SLM Electronics
<b>Production Facility:</b>	11880 Borman Drive, St. Louis, MO 63146, USA
<b>Production Facility:</b>	700 Hwy 202 W, Yellville, AR 72687, USA
<b>Shipping Facility:</b>	1400 Ferguson Ave., St. Louis, MO 63133, USA
<b>Office Facility:</b>	1400 Ferguson Ave., St. Louis, MO 63133, USA
<b>Product Type:</b>	Audio Amplifier
<b>Complies with Standards:</b>	
<b>LVD:</b>	92/31/EEC, 93/68/EEC, & 73/23/EWG
<b>Safety:</b>	EN60065
<b>EMC:</b>	EN55013, EN55020, EN55022, EN61000-3-2, & EN61000-3-3

Supplementary information provided by:  
SLM Electronics - R & D Engineering  
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[www.crateamps.com](http://www.crateamps.com)



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