

# CRATE



# GTX30

## Guitar Amplifier with DSP



## User's Guide

**Congratulations** and thank you for choosing the Crate GTX30 Guitar Amplifier with Digital Signal Processing. This rugged amplifier features a Clean channel with a three-band EQ and level control, and a Solo channel with our patented FlexWave technology, Gain, Level and Shape control. An easy to operate DSP section lets you dial in a variety of digital effects including reverbs, delays, octave and wah-wahs. RCA input jacks allow connection of a CD or tape player for practicing with your favorite music, while the Headphones jack allows you to practice in private.

	<b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN	
<small>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.</small>		

	<b>PRECAUCION</b> RIESGO DE CORRIENTAZO NO ABRA	
<small>PRECAUCION: PARA REDUCIR EL RIESGO DE INCENDIOS O DESCARGAS ELECTRICAS, NO PERMITA QUE ESTE APARATO QUEDE EXPUESTO A LA LLUVIA O LA HUMEDAD. PARA DISMINUIR EL RIESGO DE CORRIENTAZO, NO ABRA LA CUBIERTA. NO HAY PIEZAS ADENTRO QUE EL USUARIO PUEDA REPARAR DE JE TODO MANTENIMIENTO A LOS TECNICOS CALIFICADOS.</small>		

	<b>ATTENTION</b> RISQUE D'ELECTROCUTION NE PAS OUVRIR	
<small>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.</small>		

**IMPORTANT SAFETY INSTRUCTIONS**

- READ, FOLLOW, HEED, AND KEEP ALL INSTRUCTIONS AND WARNINGS.
- 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.
- DO NOT USE THIS APPARATUS NEAR SPLASHING, FALLING, SPRAYING, OR STANDING LIQUIDS.
- CLEAN ONLY WITH LINT-FREE DAMP CLOTH AND DO NOT USE CLEANING AGENTS.
- 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.
- PROTECT THE POWER CORD FROM DAMAGE DUE TO BEING WALKED ON, PINCHED, OR STRAINED.
- UNPLUG THE APPARATUS DURING LIGHTNING STORMS OR WHEN UNUSED FOR LONG PERIODS OF TIME.
- ONLY USE ATTACHMENTS, ACCESSORIES, STANDS, OR BRACKETS SPECIFIED BY THE MANUFACTURER FOR SAFE OPERATION AND TO AVOID INJURY.
- WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK OR FIRE, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE..
- SERVICE MUST BE PERFORMED BY QUALIFIED PERSONNEL.
- 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.



EXPLANATION OF GRAPHICAL SYMBOLS:

EXPLICACION DE SIMBOLOS GRAFICOS:

EXPLICATION DES SYMBOLES GRAPHIQUES:



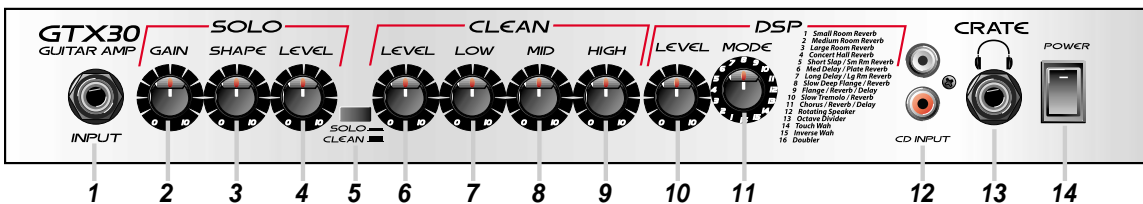
= "DANGEROUS VOLTAGE"  
"VOLTAJE PELIGROSO"  
"DANGER HAUTE TENSION"



= "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 GTX30 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: SHAPE:** Use this control to adjust the tone of the Solo channel.

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

**5: 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.

**6: LEVEL:** Use this control to adjust the output level of the Clean channel.

**7: LOW:** Use this control to adjust the low frequency level of the clean channel.

**8: MID:** Use this control to adjust the midrange frequency level of the clean channel.

**9: HIGH:** Use this control to adjust the high frequency level of the clean channel.

**10: DSP LEVEL:** Use this control to adjust the level of the selected digital effect. The DSP effects can be turned on and off by using a footswitch (#16, rear panel).

**11: DSP MODE:** Use this control to select one of the 16 built-in digital effects. The numbers around the control correspond to the digital effects as listed in the chart below.

**12: CD INPUT:** Use these RCA jacks to connect the output from a CD player or tape deck to the amplifier. The signal at these jacks is summed into a mono signal which is sent to the internal power amp circuit. Use the CD or tape player's output level control to adjust the signal for the proper mix with your guitar.

**13: 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.

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

**15: EXTENSION SPEAKER (rear panel, not shown):** 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!

**16: FOOTSWITCH (rear panel, not shown):** Use this jack to connect the 1/4" stereo plug on the cable of a two-button footswitch (such as the Crate CFP2). This allows you to remotely switch between the Clean and Solo channels and turn the DSP function on and off.

**17: 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 - Octave Divider
6 - Medium Delay with Plate Reverb	14 - Touch Wah
7 - Long Delay with Large Room Reverb	15 - Inverse Wah
8 - Slow Deep Flange with Reverb	16 - Doubler

# **CRATE** GTX30 Guitar Amplifier with DSP

## **GTX30 TECHNICAL SPECIFICATIONS:**

Output Power Rating		>30W RMS @ 5% THD, 4Ω, 120 VAC
Gain	Solo Ch	98dB +/-6dB @ 1kHz
	Clean Ch	42dB +/-6dB @ 1kHz
Maximum Input Signal Accepted		6 volts peak-to-peak min. @ 1kHz
Tone Controls	Low	20dB range @ 80Hz
	Mid	12dB range @ 900Hz
	High	18dB range @ 10kHz
Speaker Size and Rating		10" Crate Custom Design 4 ohm
Power Requirements		120 VAC, 60Hz, 50VA
		100/115VAC, 50/60Hz, 50VA
		230VAC, 50/60Hz, 50VA
Size and Weight		15-1/2" H x 16-3/4" W x 9-3/4" D, 20 lbs.

**The GTX30 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

**Manufacturer's Name:** SLM Electronics  
**Production Facility:** 11880 Borman Drive, St. Louis, MO 63146, USA  
**Production Facility:** 700 Hwy 202 W, Yellville, AR 72687, USA  
**Shipping Facility:** 1400 Ferguson Ave., St. Louis, MO 63133, USA  
**Office Facility:** 1400 Ferguson Ave., St. Louis, MO 63133, USA

**Product Type:** Audio Amplifier

**Complies with Standards:**

**LVD:** 92/31/EEC, 93/68/EEC, & 73/23/EWG  
**Safety:** EN60065  
**EMC:** 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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