

**CRATE** FXT15

# FXT15

## Guitar Amplifier with Digital Signal Processing



## User's Guide

# CRATE

## FXT15 Guitar Amp with Digital Signal Processing




### **Congratulations!**

You are now the proud owner of the Crate FXT15 Guitar Amplifier. This rugged amplifier features a Clean channel with a three band EQ and Level control, and a Solo channel with our patented FlexWave technology. An easy to operate DSP section lets you dial in a variety of digital effects including reverbs, delays, octave and wah-wahs. A Headphones jack lets you practice in private.

Like all Crate products, your FXT amplifier is designed by musicians, and built using only the best components. Extensive testing confirms 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 read the information contained in this manual before you begin playing.

And **thank you** for choosing **CRATE**.

 <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 QUEDA EXPUESTO A LA LLUVIA O LA HUMEDAD. PARA DISMINUIR EL RIESGO DE CORRIENTAZO, NO ABRA LA CUBIERTA. NO HAY PIEZAS ADENTRO QUE EL USUARIO PUEDE REPARAR DE JE 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.

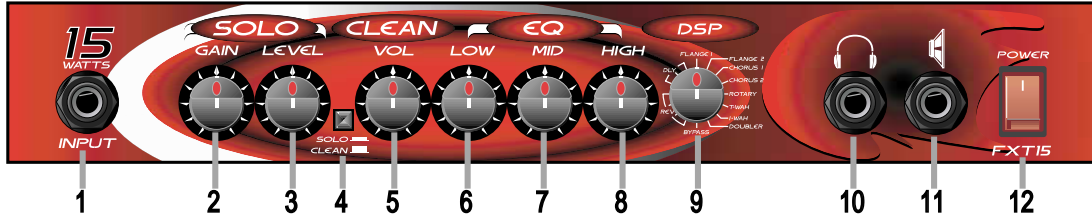
**IMPORTANT SAFETY INSTRUCTIONS**

- 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:	 = "DANGEROUS VOLTAGE"	 = "IT IS NECESSARY FOR THE USER TO REFER TO THE INSTRUCTION MANUAL"
EXPLICACION DE SIMBOLOS GRAFICOS:	"VOLTAJE PELIGROSO"	"ES NECESARIO QUE EL USUARIO SE REFIERA AL MANUAL DE INSTRUCCIONES."
EXPLICATION DES SYMBOLES GRAPHIQUES:	"DANGER HAUTE TENSION"	"REFERREZ-VOUS AU MANUAL D'UTILISATION"

# CRATE **FXT15** Guitar Amp with Digital Signal Processing

## The Front Panel:



**1: INPUT:** Use this 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 16 built-in digital effects. The effects are described in the table to the right.

**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 switch illuminates when the amplifier is turned on.

## The Rear Panel:

**13: POWER CORD:** 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.**

DSP: THE DIGITAL EFFECTS	
REV 1	small room reverb
REV 2	medium room reverb
REV 3	small hall reverb
REV 4	large hall reverb
DLY 1	short delay
DLY 2	medium delay
DLY 3	long delay
FLNG 1	slow shallow flange
FLNG 2	fast deep flange
CHO 1	slow shallow chorus
CHO 2	fast deep chorus
RTRY	medium-speed rotating speaker
T-WAH	touch-sensitive wah-wah
I-WAH	inverse wah-wah
DOUBLER	simulates second track out-of-sync

**CRATE****FXT15 Guitar Amp with Digital Signal Processing****FXT15 TECHNICAL SPECIFICATIONS:**

Output Power Rating		12W RMS @ 5% THD, 4Ω, 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 13-5/8" W x 8-1/4" D, 15 lbs.

**The FXT15 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.*

**CRATE**[www.crateamps.com](http://www.crateamps.com)

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