

OWNER'S MANUAL

Crush 20B

BASS GUITAR AMPLIFIER

ORANGE



IMPORTANT

To prevent serious damage be sure that the rated AC line voltage shown on the amplifier's rear panel agrees with the voltage available from your AC inlet before connecting the AC power cord.

CAUTION! TO REDUCE THE RISK OF FIRE, REPLACE ONLY WITH SAME TYPE FUSE
ATTENTION! UTILISER UN FUSIBLE DE RECHANGE DE MEME TYPE.
WARNING! TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE. DO NOT REMOVE CHASSIS(OR BACK), NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



INTRODUCTION

Congratulations on your Orange Crush series purchase. You have chosen to buy the coolest practice amp in the world! We hope you have lots of fun using your Crush amp, but before you start playing please take a moment to read this manual and familiarize your self with your amplifier and its controls.

USING YOUR AMPLIFIER

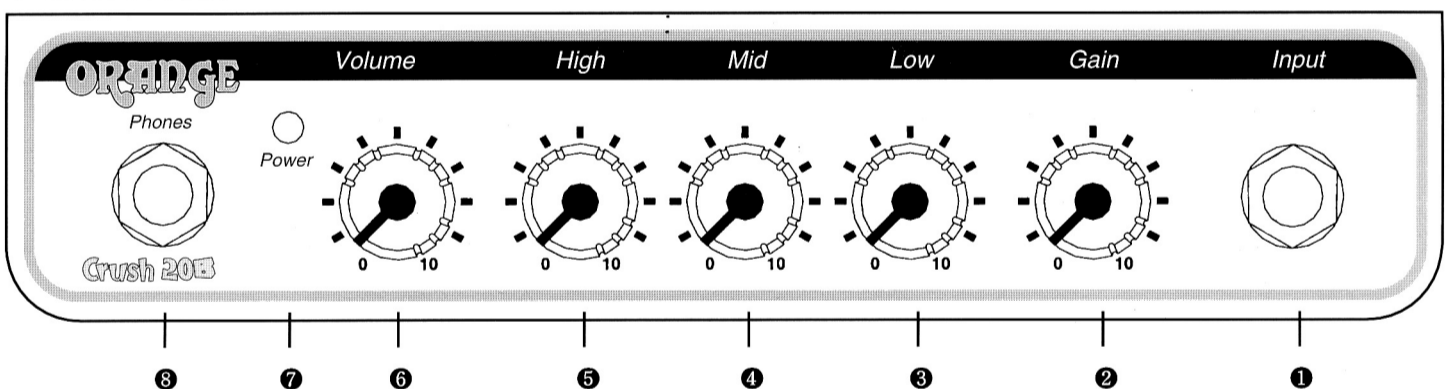
Turn amplifier master Volume to "0" before turning amplifier ON or OFF.

To prevent hum operate your amplifier and instruments as far away from fluorescent and neon lamps as possible, as they generate extremely high levels of electronic noise.

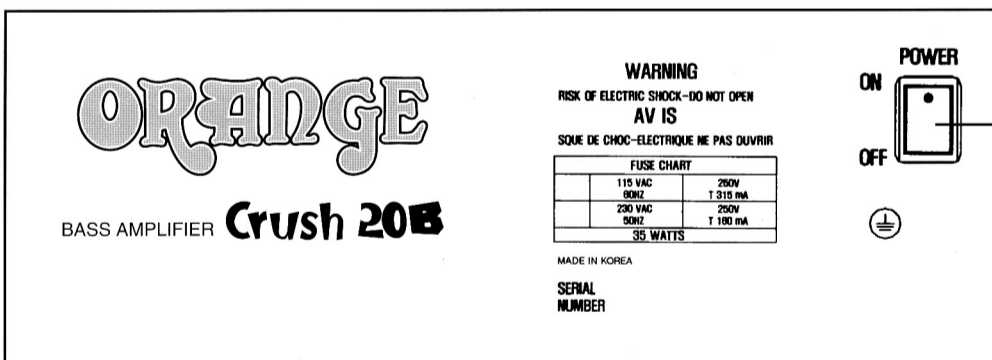
WARRANTY

Please refer to the enclosed warranty information sheet for details of your amplifier warranty. you can register your purchase online on our website [www. orangeamps. com](http://www.orangeamps.com)

FRONT PANEL



REAR PANEL



FUNCTION DESCRIPTIONS

1-INPUT : Connect to instrument.

2-GAIN : This controls pre-gain level.

3-LOW : Provides low frequency equalization as required.

4-MID : Provides middle frequency equalization with cut and boost.

5-HIGH : Provides hige frequency equalization as required.

6-VOLUME : Controls the overall volume of the amplifier.

7-POWER INDICATOR : LED indicates whether the power switch is ON or OFF.

8-PHONE : For use with most stereo headphones.

9-ON/OFF SWITCH : This switch turns the AC Power ON or OFF.

SPECIFICATIONS

OUTPUT POWER	SPEAKER	INPUT	INPUT SENSITIVITY	NOISE	REVERB	FOOT S/W JACK & PUSH SWITCH
20Watts RMS @ 10% THD,4 ohm	1x0820B4 8" (20cm)	1 INPUT	NORMAL 48mV F=1kHz, VOLUMES TONE CONTROLS AT MAX	-25dB*(VOL MAX/M.VOL MAX) -55dB*(VOL MAX/M.VOL MIN)	N/A	N/A
HEADPHONE JACK LEVEL	POWER CONSUMPTION	POWER REQUIREMENT	DIMENSIONS (W)(H)(D)	WEIGHT	CABINET	COLOR & FINISH
300mV @ 20W (HEADPHONE IMPE.4 ohm)	35 Watts	120 V 60Hz 230 V 50Hz	12.4 X 13.6 X 9.1 inch 315 X 345 X 230 mm	17.6lbs.(8.0kg)	STURDY PARTICLEBOARD	ORANGE LEATHERETTE