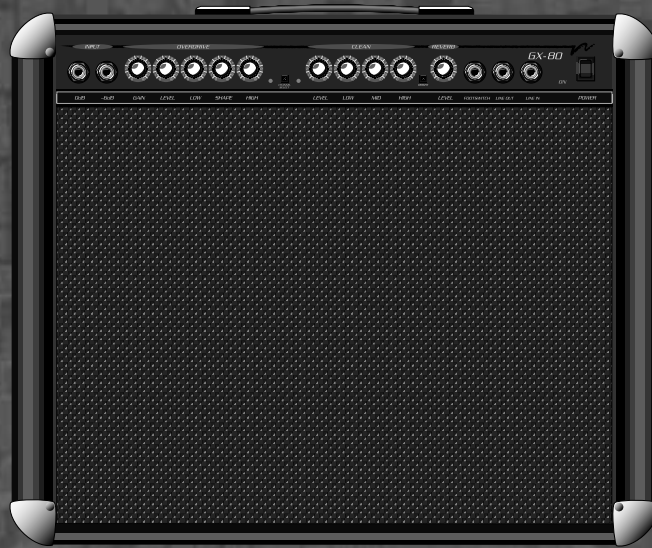


CRATE

GX-80 AMPLIFIER



OWNER'S MANUAL

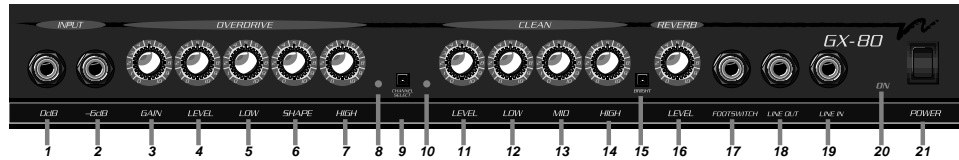
Congratulations!

You are now the proud owner of the Crate GX-80 guitar amplifier. This rugged workhorse of an amplifier boasts a solid 80 watts RMS, a heavy duty 12" Crate Custom speaker and two totally flexible channels. Channel selection and reverb on/off are controllable by use of a two-button footswitch. The Line In and Out jacks allow virtually noise-free connection of your favorite effects.

Like all Crate products, your GX-80 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.

And *thank you* for choosing **CRATE**[®]



FRONT PANEL - INPUT SECTION

1: 0dB Input jack accepts a standard 1/4" phone plug and is suitable for any low to line level input source.

2: -6dB Input jack also accepts a standard 1/4" plug but is padded 6dB for hotter inputs such as tape decks or guitars with hot pickups. If both jacks are used, this input is not padded and will be equal to the 0dB input jack.

OVERDRIVE CHANNEL CONTROLS

3: Gain is used to set the level of distortion.

4: Level controls the overall volume and should be used in conjunction with the Gain control (#3).

5: Low adjusts the amount of low frequency tone.

6: Shape adjusts the general tone. Counterclockwise emphasizes midrange frequencies and clockwise emphasizes low and high frequencies.

7: High adjusts the amount of high frequency tone or "presence".

CHANNEL SWITCHING CONTROL

8: Overdrive Indicator LED will be lit when the amplifier is in the Overdrive channel.

9: Channel Select Switch is used to select Overdrive or Clean. This switch is defeated if an external footswitch is used.

10: Clean Indicator LED will be lit when the amplifier is in the Clean channel.

CLEAN CHANNEL CONTROLS

11: Volume sets the overall listening level of The Clean Channel. This control is independent of any setting made in Overdrive.

12: Low adjusts the amount of low frequency tone.

13: Mid adjusts the amount of midrange frequency tone.

14: High adjusts the amount of high frequency tone.

15: Bright Switch gives a brighter tone.

COMMON CONTROLS

16: Reverb sets the amount of reverberation of the amp.

17: Footswitch jack is to be used with the Channel Select/Reverb footswitch.

18: Line Out jack is used to link the GX-80 to additional amplifiers or to connect the amp to a tape recorder. Simply run a cable from the output of this jack to the input of another amplifier or a tape deck. External speakers cannot be hooked up to this jack.

19: Line In jack is used as a direct input to the power amp. It can be used in conjunction with the Line Out jack (#18) for an effects loop.

20: Power Indicator LED will be lit when the unit is turned on.

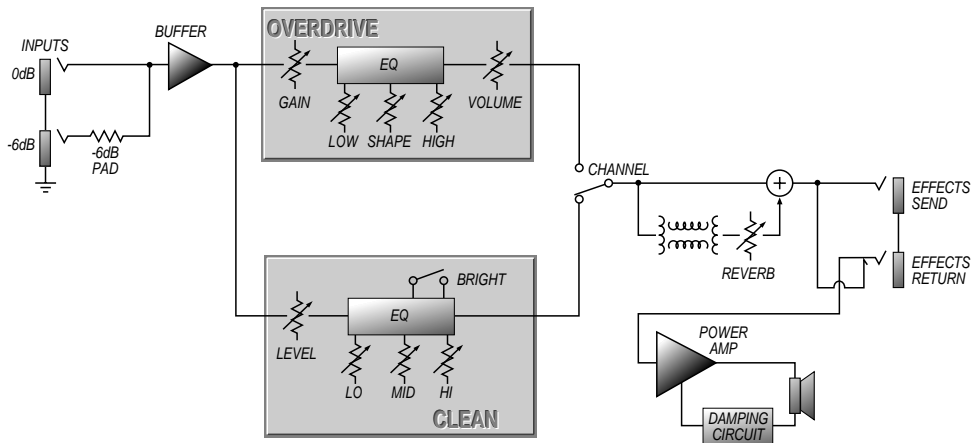
21: Power Switch turns the AC power on and off.

REAR PANEL

22: Power Cord: Your GX-80 is equipped with a heavy-duty grounded three-wire power cord. Be sure this cord is properly plugged into a safely wired grounded 120 volt, 60Hz AC power outlet before use. (If your GX-80 was purchased outside the United States, refer to the rear panel for power ratings.) For your safety, never attempt to defeat the ground connection on this cord.

CRATE[®] GX-80 Amplifier

SYSTEM BLOCK DIAGRAM:



The GX-80 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 would damage the finish.

El GX-80 esta cubierto con un material durable Tolex: limpielo con una toalla seca. Nunca rocíe el gabinete con sustancias limpiadoras. Evite usar materiales abrasivos con los cuales pueda danar el acabado.

Le GX-80 est couvert avec «Tolex» une matière noir et durable. Essuyer cette matière avec une toile propre et sans charpie. Ne pulvériser jamais les agents de nettoyage sur l'appareil. Eviter les nettoyeurs abrasifs qui peuvent s' dommager la «Tolex.»

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.







Crate continuamente desarrolla nuevos productos, así como también mejora los existentes. Por esta razón, las especificaciones e información incluidos en este manual están sujetos a cambios sin previo aviso

Crate développe continuellement des nouveaux produits, ainsi d'améliorer ceux qui existe. Pour cette raison les spécifications et les informations dans ce manuel peuvent se changer sans préavis.

CRATE[®] GX-80 Amplifier

GX-80 TECHNICAL SPECIFICATIONS

Output Power Rating	80 watts RMS @ 5% THD, 8 ohm minimum load
Speaker Size and Rating	GX-80 Custom Design 12" GX-80S Celestion G12K-85 12"
Input Impedance	220k ohms
Maximum Input Signal Level Accepted	4V peak to peak, "0dB Input"; 8V peak to peak, "-6dB Input"
Total System Gain	Ch. A: 110dB @ 1kHz with all controls @ "10", Low, Shape, High @ "0" Ch. B: 66dB @ 1kHz with all controls @ "10", Bright off
Signal To Noise Ratio	Ch. A: 45dB with all controls @ "10", Low, Shape, High @ "0" Ch. B: 67dB with all controls @ "10", Bright off
Ch. A Low Control	9dB Boost @ 80Hz
Ch. A Shape Control	Proprietary Circuit
Ch. A High Control	15dB Boost @ 1kHz
Ch. B Low Control	10dB Range @ 80Hz
Ch. B Mid Control	16dB Range @ 1kHz
Ch. B High Control	17dB Range @ 5kHz
Input Power Requirements	120 VAC, 60Hz, 100VA 100/115VAC, 50/60Hz, 100VA 230VAC, 50/60Hz, 100VA
Cabinet Size and Weight	17.5" H x 21.5" W x 11" D, 34 lbs.

 <p>CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN</p> <p>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>	<p>THIS EQUIPMENT HAS BEEN DESIGNED AND ENGINEERED TO PROVIDE SAFE AND RELIABLE OPERATION. IN ORDER TO PROLONG THE LIFE OF THE UNIT AND PREVENT ACCIDENTAL DAMAGES OR INJURY, PLEASE FOLLOW THESE PRECAUTIONARY GUIDELINES:</p> <p>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT OPEN CHASSIS; DO NOT DEFEAT OR REMOVE THE GROUND PIN OF THE POWER CORD; CONNECT ONLY TO A PROPERLY GROUNDED AC POWER OUTLET.</p> <p>WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.</p> <p>CAUTION: NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p> <p>CAUTION: 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.</p>	<p>ESTE APARATO HA SIDO DISEÑADO Y CONSTRUIDO PARA PROVEER AÑOS DE OPERACION SEGURA Y CONFIABLE. PARA PROLONGAR LA VIDA DE ESTA UNIDAD E IMPEDIR DANOS ACCIDENTALES POR FAVOR SIGA ESTAS INSTRUCCIONES PREVENTIVAS:</p> <p>PRECAUCION: PARA DISMINUIR EL RIESGO DE DESCARGAS ELECTRICAS: (1) NO ABRA LA CUBIERTA, (2) NO ES RECOMENDABLE REMOVER O DESACTIVAR LA PATA DEL POLO A TIERRA DEL CABLE DE CORRIENTE, CONECTE CORRECTAMENTE A UNA TOMA DE CORRIENTE A TIERRA.</p> <p>ADVERTENCIA: PARA EVITAR DESCARGAS EL ECTRICAS O PELIGRO DE INCENDIO, NO DEJE ESTE APARATO EXPUESTO A LA LLUVIA O HUMEDAD.</p> <p>PRECAUCION: NO HAY PIEZAS ADENTRO QUE EL USUARIO PUEDE REPARAR. DEJE TODO MANTENIMIENTO A LOS TECNICOS CALIFICADOS.</p> <p>PRECAUCION: NUESTROS AMPLIFICADORES PUEDEN PRODUCIR NIVELES DE PRESION DE SONIDO ALTO. EXPOSICION CONTINUADA A LOS NIVELES DE PRESION DE SONIDO ALTO PUEDE CAUSA DANO PERMANENTE A SU OIDO. ES ACONSEJADO QUE USE PRECAUCION AL USUARIO Y ES RECOMENDADO PROTECCION PARA LOS OIDOS SI LA UNIDAD ES OPERADA A VOLUMEN ALTO.</p>	<p>CET EQUIPEMENT AVAIT ÉTÉ INVENTÉ ET ARRANGÉ POUR POURVOIR DES ANNÉES D'USAGE SAUF ET SUR. POUR PROLONGER LA VIE DE CET APPAREIL ET POUR EMPECHER LES DOMMAGES ET LES TORTS ACCIDENTELS, SUIVEZ LES INSTRUCTIONS DE PRECAUTION.</p> <p>AVERTISSEMENT: POUR RÉDUIRE LES RISQUES D'ÉLECTROCUTION: (1) NOUVREZ PAS LE CHÂSSIS, (2) NÉ PAS ESSAYER DE SUPPRIMER LA BROCHE CORRESPONDANT A LA TERRE.</p> <p>ATTENTION: POUR RÉDUIRE LES RISQUES D'UN FEU OU D'ÉLECTROCUTION, N'EXPOSEZ PAS L'APPAREIL À LA PLUIE OU À LA MOIURE.</p> <p>ATTENTION: IL N'Y A PAS D'ÉLÉMENTS RÉPARABLES DANS L'APPAREIL. CONSULTER UN TECHNICIEN QUALIFIÉ POUR LES RÉPARATIONS.</p> <p>ATTENTION: NOS AMPLIFICATEURS SONT CAPABLES DE LA PRODUCTION DES NIVEAUX DE SON D'UNE HAUTE PRESION. L'EXPOSITION CONTINUE AUX CES NIVEAUX PEUT CAUSER LA SURDITÉ PERMANENTE. LA PRUDENCE EST ADVISE À UTILISATEUR ET LA PROTECTION DES OREILLES EST RECOMMANDE SI L'APPAREIL EST UTILISÉ A UN HAUT NIVEAU DE VOLUME.</p>
 <p>PRECAUCION RIESGO DE CORRIENTAZO NO ABRA</p> <p>PRECAUCION PARA DISMINUIR EL RIESGO DE CORRIENTAZO NO ABRA LA CUBIERTA NO HAY PIEZAS ADENTRO QUE EL USUARIO PUEDO REPARAR DEJE TODO MANTENIMIENTO A LOS TECNICOS CALIFICADOS</p>			
 <p>ATTENTION RISQUE D'ELECTROCUTION NE PAS OUVRIE</p> <p>ATTENTION: 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.</p>			
 <p>VORSICHT ELEKTRISCHE SCHLAGEFAHR NICHT OFFENEN</p> <p>VORSICHT: ZUR MINIMIERUNG ELEKTRISCHER SCHLAGEFAHR NICHT DEN DECKEL ABENHMEN. INTERNE TEILE KONNEN NICHT VOM BENUTZER GEWARTET WERDEN. DIE WARTUNG IS QUALIFIZIERTEM WARTUNGSPERSONAL ZU UBERLASSEN.</p>			
<p>EXPLANATION OF GRAPHICAL SYMBOLS: EXPLICACION DE SIMBOLOS GRAFICOS: EXPLICATION DES SYMBOLES GRAPHIQUES:</p>	 = "DANGEROUS VOLTAGE" "VOLTAJE PELIGROSO" "DANGER HAUTE TENSION" "GEFAHLICHE SPANNUNG"	 = "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 MANJAL D'UTILISATION" "UNBEDINGT IN DER BEDIENUNGSANLEITUNG NACHSCHLAGEN"	

