

# **CRATE**<sup>®</sup>

## *AMPLIFIER*



## **OWNER'S MANUAL**

### **Congratulations!**

You are now the proud owner of the versatile and powerful Crate GX-60D amplifier with Digital Sound Processing and Stereo Chorus. With two flexible channels, Crate's patented "Flex Wave" distortion circuitry, a Stereo Effects Loop and three footswitchable functions, the GX-60D offers you more flexibility and performance than any amplifier in its class.

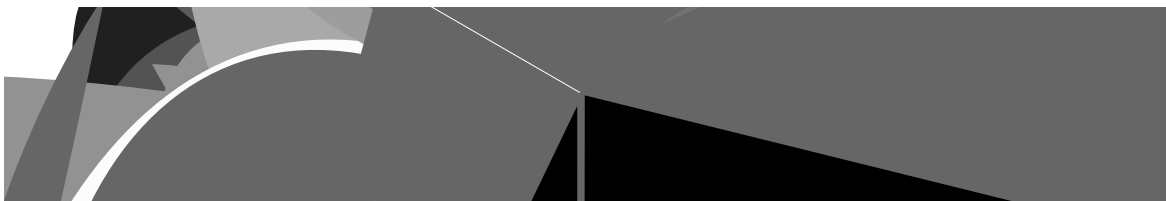
Like all Crate products, your GX-60D is Musician Made in the U.S.A., using only the best components. Extensive testing at the hands (and ears) of skilled technicians and musicians insures you that this amplifier is the absolute best it can be.

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**<sup>®</sup>

**CRATE**<sup>®</sup> GX-60D Amplifier

---



# **CRATE**<sup>®</sup> GX-60D Amplifier

---

## **REAR PANEL:**

**22: AC LINE IN:** This heavy-duty, grounded, three-wire power cord is to be plugged into ONLY a safely-wired, grounded 120 volt, 60 cycle AC power outlet. DO NOT attempt to defeat the three-wire power cord to cable! If

## THE DSP SECTION:

**You can program six different effects into your GX-60D: two for the Channel B and four for Channel A. Follow these simple instructions to program the presets:**

### PROGRAMMING A PRESET:

1. Select Channel B (the green led will be lit).
2. Turn the Chorus/Expander OFF (button OUT).
3. Turn the DSP Mode knob to the desired effect.
4. You have just stored the effect for Channel B with Chorus/Expander OFF. You can change the preset any time by returning to this same channel and Chorus selection and turning the Mode knob. The new effect will be stored at this setting until you change it again.
  - Every time you select Channel B with the Chorus/Expander "OFF" the amp recalls this effect. The "DSP Level" control sets the effect level.

### PROGRAMMING THE OTHER PRESETS:

1. Select Channel B (the green led will be lit).
2. Turn the Chorus/Expander ON (button IN)
3. Turn the DSP Mode knob to the desired effect.
4. Repeat for Channel A with the Shape and Chorus/Expander OFF, Shape and Chorus/Expander ON, Shape ON and Chorus/Expander OFF, Shape OFF and Chorus/Expander ON. You can change any of the presets any time by turning the Mode knob. The new effects will be stored at each amp setting until you change it again.
  - Every time you select one of the amp's modes (Channel A, Shape and Chorus/Expander OFF, for example) the amp recalls the effect set for that mode. The "DSP Level" control sets the effect level.

THE DSP SETTINGS:			
#	Name	Type	Description
0	Off	None	Bypass—no signal processing occurs.
1	Sm Rm, Bright	Small Reverb	8' x 8' empty room with hardwood floors.
2	Sm Rm, Dark	Small Reverb	8' x 8' carpeted room with up to four people.
3	Sm Hall, Bright	Small Reverb	20' x 40' Rehearsal Hall, wood floors, hard walls.
4	Sm Hall, Dark	Small Reverb	20' x 40' carpeted Rehearsal Hall with draped walls and up to 30 people.
5	Lg Hall, Bright	Large Reverb	50' x 100' empty Rehearsal Hall, 20' ceilings.
6	Lg Hall, Dark	Large Reverb	50' x 100' Rehearsal Hall with up to 50 friends and crew.
7	Avg Club, Bright	Large Reverb	500 capacity empty club, wood floors, afternoon sound check.
8	Avg Club, Dark	Large Reverb	500 capacity club, wood floors, stuffed with people.
9	Cncrt Hall, Brt	Large Reverb	5,000-seat Concert hall, hard back wall, afternoon sound check.
10	Cncrt Hall, Dark	Large Reverb	5,000-seat Concert hall, sold out show.
11	Stadium	Large Reverb	40,000-seat round Stadium, afternoon sound check, 100 crew & VIPs only.
12	Gated rev, Med	Special Reverb	Studio Effect—Engineer cuts off reverb slightly after each note. (220ms Gate)
13	Gated rev, Long	Special Reverb	Studio Effect—Engineer lets note ring, then cuts it off. (350ms Gate)
14	Plate Reverb	Special Reverb	Studio Effect—Simulates Steel Plate Reverb.
15	Traditional Rev	Spec Rev.	Studio Effect—Simulates old-fashioned multi-spring tube reverb unit.
16	Slapback, Short	Delay	125ms delay + small reverb; Elvis' favorite.
17	Slapback, Med	Delay	350ms delay + small reverb; Rockabilly special.
18	Slapback, Long	Delay	557ms delay only, 630' travel time of sound.
19	Sh Md Surf Echo	Echo	85ms delay with 14.2% regen. & small reverb.
20	Sh Hd Surf Echo	Echo	85ms delay with 27.3% regeneration.
21	Sh/Med Md Surf	Echo	280ms delay with 21.8% regen & small reverb.
22	Md Sft Surf Echo	Echo	335ms delay with 12.5% regeneration.
23	Md Hd Surf Echo	Echo	335ms delay with 26.5% regen. & small reverb.
24	Md Glass Echo	Echo	335ms delay with 43.7% regeneration.
25	Lg Sft Surf Echo	Echo	485ms delay with 7.8% regeneration.
26	Lg Md Surf Echo	Echo	485ms delay with 20.3% regeneration.
27	Lg Hd Surf Echo	Echo	485ms delay with 39.2% regen & small reverb.
28	Infinite Delay	Special Eff.	506ms delay with over 90% regeneration.
29	Thickener	Special Eff.	33ms-based sound fattener @ selected freqs.
30	Multi-Tap	Special Eff.	Multi-thickener with some subtle delays added.
31	Reverse	Special Eff.	"Backwards masking" effect (number nine, number nine,...)

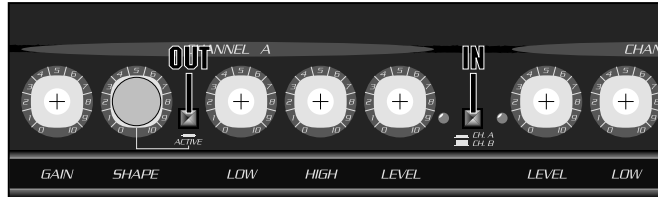
# CRATE® GX-60D Amplifier

## SUGGESTED STARTING SETTINGS:

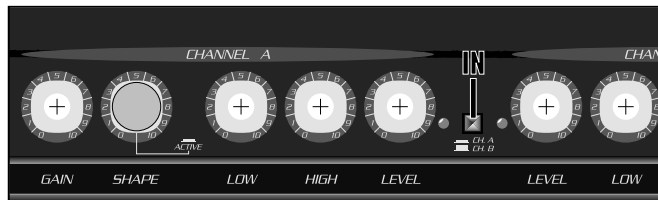
**CLEAN:**



**BLUES:**



**RHYTHM:**



**LEAD:**





## SYSTEM BLOCK DIAGRAM:

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

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

Le GX-60D 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<sup>®</sup> GX-60D Amplifier

 <p><b>CAUTION</b> 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><b>CAUTION:</b> 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><b>WARNING:</b> TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.</p>						
	<p><b>CAUTION:</b> NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>						
<p>EXPLANATION OF GRAPHICAL SYMBOLS: EXPLICACION DE SIMBOLOS GRAFICOS: EXPLICATION DES SYMBOLES GRAPHIQUES:</p>	<table border="0"> <tr> <td data-bbox="553 1528 613 1585"></td> <td data-bbox="618 1528 634 1585">=</td> <td data-bbox="643 1528 781 1589"> <p>"DANGEROUS VOLTAGE" "VOLTAJE PELIGROSO" "DANGER HAUTE TENSION" "GEFAHLICHE SPANNUNG"</p> </td> <td data-bbox="837 1528 898 1585"></td> <td data-bbox="911 1528 927 1585">=</td> <td data-bbox="935 1528 1339 1589"> <p>"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" "UNBEDINGT IN DER BEDIENUNGSANLEITUNG NACHSCHLAGEN"</p> </td> </tr> </table>		=	<p>"DANGEROUS VOLTAGE" "VOLTAJE PELIGROSO" "DANGER HAUTE TENSION" "GEFAHLICHE SPANNUNG"</p>		=	<p>"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" "UNBEDINGT IN DER BEDIENUNGSANLEITUNG NACHSCHLAGEN"</p>
	=	<p>"DANGEROUS VOLTAGE" "VOLTAJE PELIGROSO" "DANGER HAUTE TENSION" "GEFAHLICHE SPANNUNG"</p>		=	<p>"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" "UNBEDINGT IN DER BEDIENUNGSANLEITUNG NACHSCHLAGEN"</p>		

*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.

