

# **CRATE**

## ***GX-65*** ***GUITAR AMPLIFIER***



## ***OWNER'S MANUAL***

### **Congratulations!**

You are now the proud owner of the Crate GX-65 guitar amplifier. This rugged amplifier delivers serious clean and distorted sounds through its premium 12" Crate Custom speaker. Channel selection, Crate's exclusive Shape circuit, and reverb on/off are controllable by the supplied three-button footswitch. An insert jack allows virtually noise-free connection of your favorite effects.

Like all Crate products, your GX-65 is designed by musicians, and built using only the best components. Extensive testing ensures 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®**

# CRATE®

## GX-65 Amplifier



**1: INPUT:** Connect your guitar here by means of a shielded instrument cable.

**OVERDRIVE CHANNEL:** A high gain channel giving you sounds from a slight edge to serious overdrive.

**2: GAIN 1:** Gain 1 is active only when the Gain Select switch (#5) is out. When active, this control adjusts the amount of compression and distortion from the amplifier. At far left, the sound will have a thick compressed quality. As you turn the control to the right the amount of distortion increases. Gain 1 produces less intense distortion than Gain 2.

**3: GAIN 2:** Gain 2 is active only when the Gain Select switch (#5) is depressed. When active, this control adjusts the amount of compression and distortion from the amplifier. At far left, the sound will have a thick compressed quality. As you turn the control to the right the amount of distortion increases. Gain 2 produces more intense distortion than Gain 1.

**4: SHAPE:** Working in conjunction with the Gain 2 control, rotate the Shape control until you find the sound you're looking for. Rotating the control counter-clockwise enhances the mid frequencies; rotating it clockwise enhances the low and high frequencies. (This control is only effective when Gain 2 is selected.)

**5: GAIN SELECT:** Use this switch to select Gain 1 (switch out) or Gain 2 (switch depressed). A footswitch (#21) overrides this switch.

**6: LOW:** Use this control to adjust the low frequency output level of the Overdrive channel. This control provides a range of 11dB at 80Hz.

**7: HIGH:** Use this control to adjust the high frequency output level of the Overdrive channel. This control provides a range of 10dB at 10kHz.

**8: LEVEL:** Use this control to adjust the output level of the Overdrive Channel. Use this control along with the Gain and Shape controls (#2, 3 & 4) to create a wide variety of sounds.

**9: CHANNEL SELECT:** Use this switch to select the Clean channel (switch out) or the Overdrive channel (switch depressed). One of the triangular LEDs beside the switch will illuminate to indicate which channel is selected. A footswitch (#21) overrides this switch.

**CLEAN CHANNEL:** A normal gain channel designed to give you crystal clear sounds.

**10: LEVEL:** Use this control to adjust the output level of the Clean Channel.

**11: LOW:** Use this control to adjust the low frequency output level of the Clean channel. This control provides a range of 22dB at 80Hz.

**12: MID:** Use this control to adjust the mid frequency output level of the Clean channel. This control provides a range of 14dB at 600Hz.

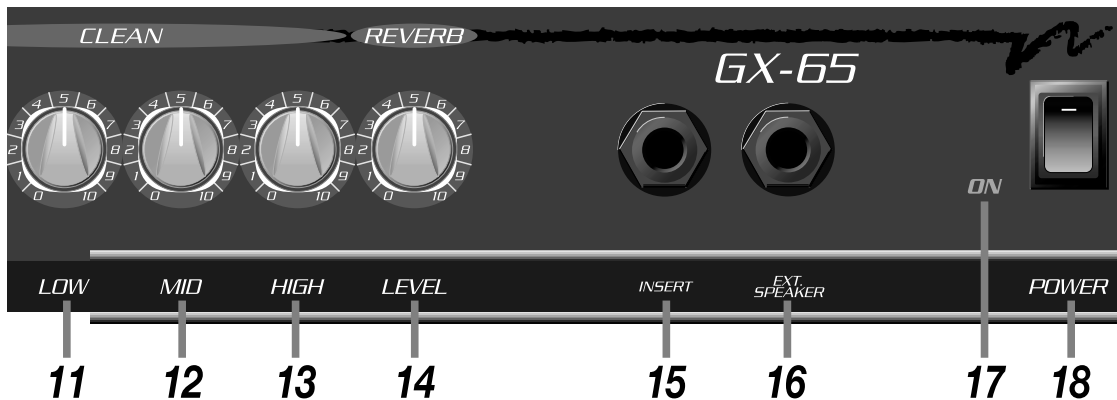
**13: HIGH:** Use this control to adjust the high frequency output level of the Clean channel. This control provides a range of 28dB at 10kHz.

**14: REVERB LEVEL:** Use this control to adjust the amount of reverberation. In the full counter-clockwise position the output signal is "dry" (no reverb); rotating the control clockwise increases the amount of reverb. The reverb can be turned on and off by means of a footswitch (see #22).

**15: INSERT:** Use this jack to connect an external effects device to the amplifier. Use a stereo 1/4" male Y-cord: ring = send, tip = return, sleeve = ground. See the illustration on the panel to the right for more information.

**16: EXT. SPEAKER:** Use this jack to connect an extension speaker cabinet to the amplifier. This jack is wired in series with the internal speaker(s).

# CRATE® GX-65 Amplifier



**NOTE:** To avoid injury, **NEVER** insert headphones into the External Speaker jack! Serious damage to your hearing could result!

**17: POWER ON LED:** This LED illuminates when the amplifier is turned on.

**18: POWER SWITCH:** Use this switch to turn the amplifier on and off. The amplifier is on when the top of the switch is depressed.

**19. POWER CORD (rear panel, not shown):** Your GX-65 is equipped with a heavy-duty, grounded, three-conductor power cord. Be sure this cord is properly plugged into a safely wired and grounded 120 volt, 60Hz AC power outlet before use. (If your GX-65 was purchased outside the United States, refer to the rear panel for power and voltage ratings.) For your safety, **NEVER ATTEMPT TO DEFEAT THE GROUND CONNECTION ON THIS CORD.**

**20: FUSE (rear panel, not shown):** This protects the amplifier against damages caused from a faulty AC power source or other problems. If the fuse blows, replace it **ONLY** with the same size and type fuse. If the fuse blows repeatedly check the AC source; if it's okay, contact your Crate dealer for service information.

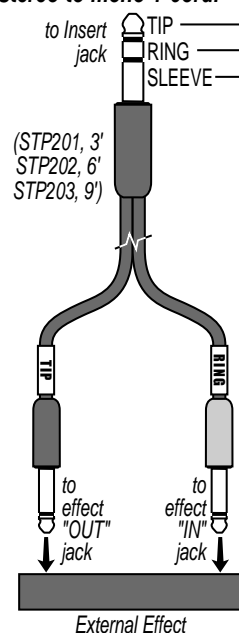
**21: CHANNEL SELECT / GAIN FOOTSWITCH JACK (rear panel, not shown):** Connect the stereo 1/4" plug of the supplied three-button footswitch here for remote control of the Channel Select and Gain Select settings.

**22: REVERB FOOTSWITCH JACK (rear panel, not shown):** Connect the mono 1/4" plug of the supplied three-button footswitch here for remote control of the reverb on and off.

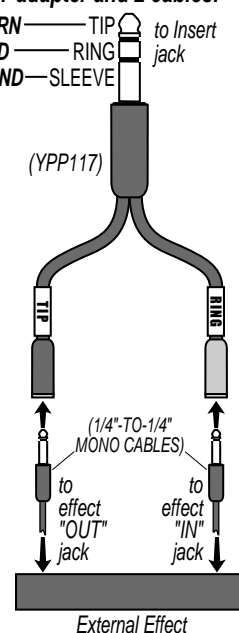
## Connecting to the Insert jack:

The Insert jack (#15) lets you patch external effects into the amplifier just prior to its power amp stage. Use Crate's STP201, STP202 or STP203 stereo-to-mono Y-cord or an adapter such as Crate's YPP117 and 2 1/4" mono signal cables to connect to the effect as shown below.

### Stereo-to-mono Y-cord:



### Y-adapter and 2 cables:






# CRATE<sup>®</sup> GX-65 Amplifier

## GX-65 TECHNICAL SPECIFICATIONS

Output Power Rating	65 watts RMS @ 5% THD 4 ohms minimum external load
Speaker Size and Rating	(1) Custom Design 12", 4 ohms
Input Impedance	470k ohms
Maximum Input Signal Level Accepted	7 volts, peak-to-peak
Total System Gain	Overdrive Channel: 110dB all controls @10, Gain 2; 88dB Gain 1 Clean Channel: 58dB all controls @10
Overdrive Channel:	Low Control: 11dB Range @ 80Hz Shape Control: Proprietary Circuit High Control: 10dB Range @ 10kHz
Clean Channel:	Low Control: 22dB Range @ 80Hz Mid Control: 14dB Range @ 600Hz High Control: 28dB Range @ 10kHz
Input Power Requirements	120 VAC, 60Hz, 90VA 100/115VAC, 50/60Hz, 90VA 230VAC, 50/60Hz, 90VA
Cabinet Size and Weight:	17-1/2" H x 20" W x 11" D, 34 lbs.

The GX-65 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 could damage the finish.

 <b>CAUTION</b> RISK OF ELECTRIC SHOCK, DO NOT OPEN	 <b>ATTENTION</b> RISQUE D'ELECTROCUTION NE PAS OUVRIR	 <b>VORSICHT</b> ELEKTRISCHE SCHLÄGGEFAHR NICHT OFFENEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.	ATTENTION: POUR RÉDUIRE LE RISQUE D'ÉLECTROCUTION NE PAS ENLEVER LE COUVERCLE. AUCUNE PIÈCE INTERNE N'EST RÉPARABLE PAR L'UTILISATEUR. POUR TOUTE RÉPARATION, S'ADRESSER À UN TECHNICIEN QUALIFIÉ.	VORSICHT: ZUR MINIMIERUNG ELEKTRISCHER SCHLÄGGEFAHR NICHT DEN DECKEL ABENHMEN. INTERNE TEILE KÖNNEN NICHT VOM BENUTZER GEWARTET WERDEN. DIE WARTUNG IST QUALIFIZIERTEM WARTUNGSPERSONAL ZU ÜBERLASSEN.



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:

**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.

**WARNING:** TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

**CAUTION:** NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

**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.

EXPLANATION OF GRAPHICAL SYMBOLS:		=	"DANGEROUS VOLTAGE" "VOLTAGE PELIGROSO" "DANGER HAUTE TENSION" "GEFÄHRLICHE 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 MANUEL D'UTILISATION" "UNBEDINGT IN DER BEDIENUNGSANLEITUNG NACHSCHLÄGEN"
EXPLICACION DE SIMBOLOS GRAFICOS:						
EXPLICATION DES SYMBOLES GRAPHIQUES:						

**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<sup>®</sup>**  
www.crateamps.com

Made in China for SLM Electronics



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