

# Operating Instructions

250ML/RL

212SCL

# Operating Instructions 250ML/RL/212SCL

## The Basics

Your new G-K stereo guitar amplifier represents the very latest advances technology has to offer. It was designed to provide you with any sound you need and more. With the stereo effects, (Echo & Chorus), the pre-set gain switches, the channel switching and companding on the clean channel there are over 20 different sounds available.

The active four band equalizer (shared by both channels) works extremely well in both the clean and overdriven modes. You can actually EQ your overdriven sound, a rare feature in its own right. This amplifier has many other features, all described here. A careful examination of this manual will help you to get the most from them.

## Input Jack

The input jack is a standard 1/4" jack capable of handling a wide variety of signal levels up to 2.0v RMS.

## Channel Switching

You can switch from channel A (clean) to channel B (overdrive) in two ways. One is by using the A/B button - on the front panel, the other being the footswitch. (described later)

## Channel A

Channel A offers a new fully produced clean sound for rhythm work or for clean lead applications. This channel can be used for anything from cool jazz to smokin' blues.

## Compander on/off

The compander on the clean channel is a pre-set effect that levels out the signal. It does this by cutting the initial signal and boosting the signal as it decays; resulting in a clean sustain for a "bluesy" sound.

## Gain on/off

The gain switch is also pre-set. With the switch on, the signal is given a boost which puts an edge on the sound without totally overdriving it. This effect used in conjunction with the compander sounds great for single note soloing and chord melodies.

## Volume

This knob controls the total output for the clean channel A from off to full power.

\*The pre-set effects have been factory adjusted to common settings. These can be internally adjusted by a technician at Owner's expense.

## Channel B

Channel B represents 15 years of research and development for a warm solid state distortion. This channel, with no effects or gain on is the backbone for the supreme rock sound.

### Gain on/off

This switch is also a pre-set control. It gives the option of two gain levels, (as with channel A). With the gain in on channel B, the signal is boosted to a very high level producing on infinite sustain.

Used with care, this effect can offer any squawk, scream or crunch needed for contemporary high-energy rock & roll.

### Volume

This knob controls the total output for the overdrive channel B from off to full power.

## 4 Band EQ

1. The first knob from the left is an active treble control operating at 8.0 kilohertz. It adds high-end and brightness to your sound.
2. The second knob is an active high mid-range control operating at 2.0 kilohertz. This control adds punch to your sound.
3. The third knob is an active low mid-range control operating at 500hertz. This control adds to the meat or body of your sound.
4. The last EQ knob is an active bass control operating at 120 hertz. This controls the bottom end of your sound. The Boom!

## Stereo Effects

The next two switches make up the stereo effects section. The first one being the pre-set stereo Echo. This effect acts like an electronic reverb but using an IC chip as opposed to a spring unit to produce a full stereo reverberation.

The second switch is a pre-set stereo Chorus effect. This effect, also using a high technology IC chip, gives a full stereo enhancement of your sound in total stereo voicing.

## Footswitch

The footswitch jack is a standard 1/4" stereo jack. With the footswitch you can change channel (from A to B ) and turn the stereo effects on and off. (see accessories)

## Phones

The phones jack is also a standard 1/4" stereo jack. It delivers a balanced stereo signal for use with high impedance head phones, (600 ohm or greater). Plugging into the phones jack disconnects all speakers.

## Power Switch

The power switch on the 250ML/212SCL is located on the rear panel above the fuse holder. On the 250RL the switch is on the front panel lower right.

## Power Cord

The power cord is detachable and plugs into a socket located on the rear panel. If a replacement cord is used or needed it should be UL rated at 10amp, 125v; or if using 240v, the cord should be UL rated at 5amp, 240v.

## Direct Out

This is an electronically balanced mono output that will put 500mv RMS into a 600 ohm load. It comes on after the effects loop and is located on the rear panel. This output shuts off when the head phone jack is used.

## Effect Loop

The effects loop, located on the rear panel is provided for the insertion of effects. It is post EQ and pre internal effects. Using standard guitar cords, connect the effects input to the send; the effects output to the return. The level is 5v for full power out.

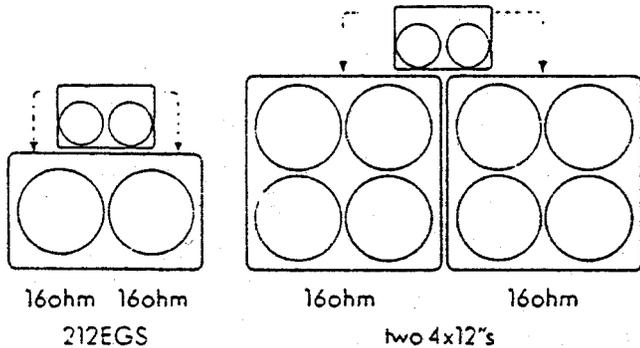
**Extension Speakers (not on 212SCL)**

The following are instructions for connecting your Stereo Effects Series product to different speaker loads. Do not use any other than the recommended loads per side.

**CAUTION:** Under no circumstances should the two speaker jacks be connected together in any way!

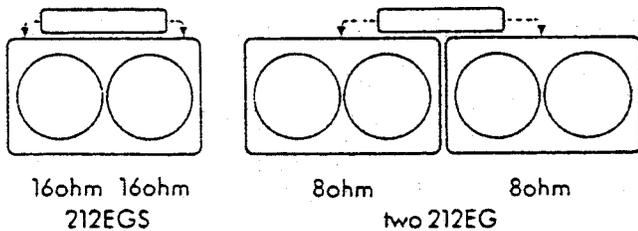
**250ML**

External speakers for the 250ML must be rated 16 ohm minimum per side. We recommend the 212EGS (stereo cab). Or two 4x 12" 16 ohm cabinets.



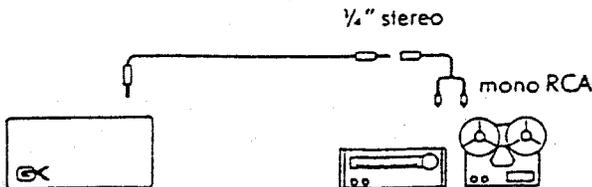
**250RL**

External speakers for the 250RL must be rated at 8 ohms or more (16ohms OK). We recommend the 212EGS (stereo cab) or two 8 ohm cabinets (212EG).

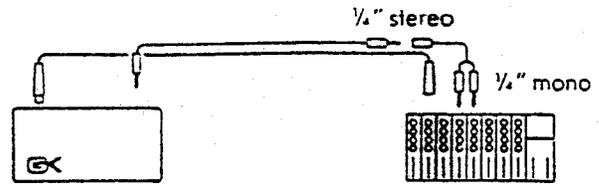


**Aux. In/Stereo Out**

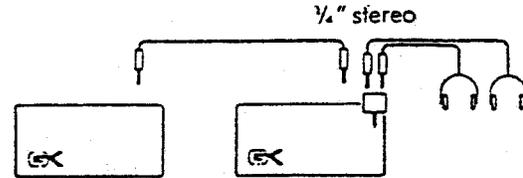
This unique jack, located on the rear panel, can be used as either an auxiliary stereo input or as a stereo line out. When used as an auxiliary stereo input you can play along with music from records, tapes or a stereo receiver. Using the aux. out or phone jack of your music source to the aux. Stereo input of your amplifier.



When used as a stereo output, this jack can be used to record or to play live through a mixer board. For this the same stereo cord is used along with the 1/4" Y adapter. To do this you need to connect the stereo out of your amp to two channels of the mixer board panning them all the way left and all the way right accordingly.



This jack can also be used to play along with another stereo amplifier (250ML/RL/212SCL). To do this you must go from the phone jack of one amp to the auxiliary stereo in/stereo out jack of the other. For the two headphones to work out of one jack, a stereo phones "Y" adapter is needed.



**Fuse**

Located on the rear panel. Never operate this amplifier with any other than the recommended fuse.

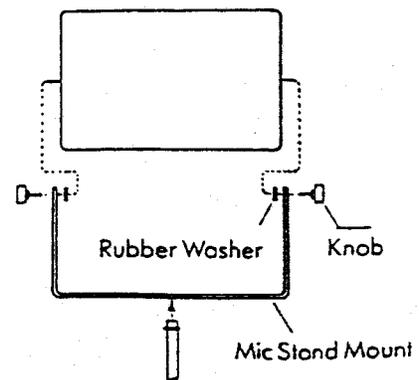
115v operation - type TSC2A

240v operation - type TSC1A

**Maintenance**

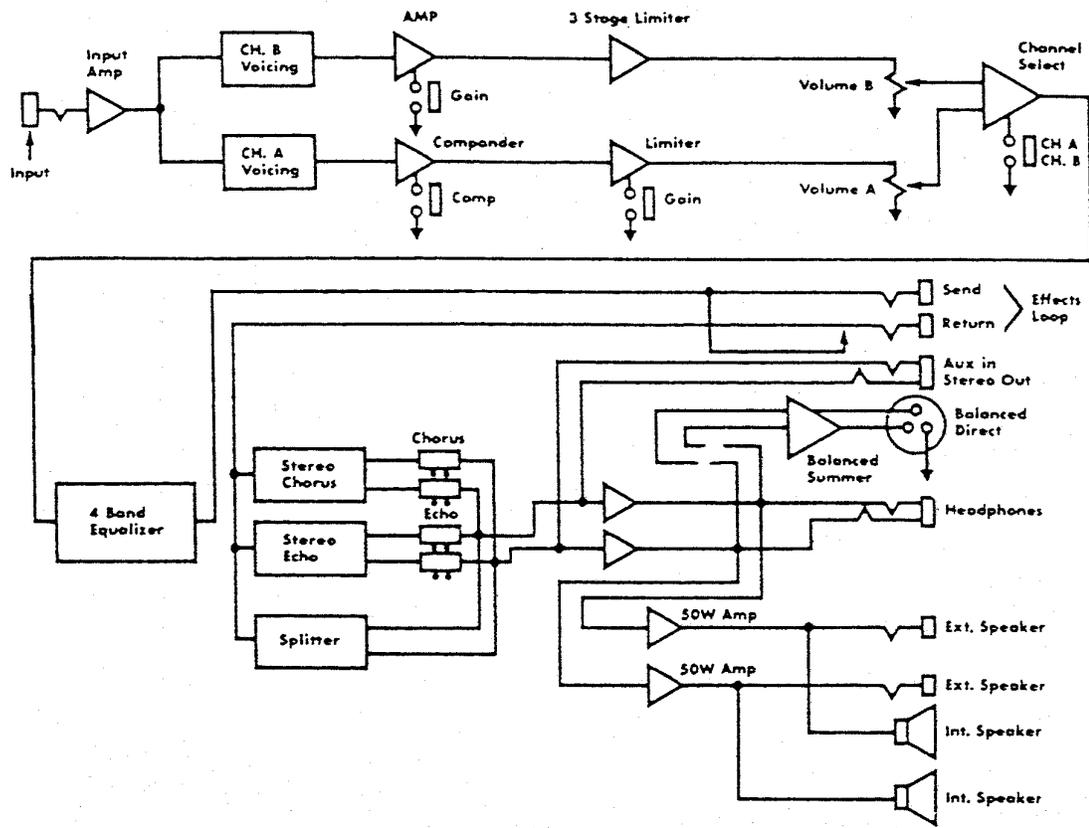
Your new amplifier is rugged. It was built to give you a lifetime of trouble free operation. If it is operated with care, your only maintenance problems should be cleaning. We recommend a soft damp cloth and mild soap for cleaning the outside surfaces. A road case is advised for further protection from travel and handling.

**250 ML Mic Stand Bracket**



Standard Mic Stand Thread (5/8-27)

## 250ML: Functional Block Diagram



### Specifications

**Sensitivity:** Channel A - 35mV  
Channel B - .5mV

**Power:** 50 Watts/channel

**Effects Send:** Level - 5V rms, 10k $\Omega$

**Effect Return:** Level - 5V rms, 22K $\Omega$

**Direct (Bal):** Level - 175 mVrms, 600 $\Omega$

**Stereo Aux Out:** Level - 200 mVrms 220K $\Omega$

**Stereo Aux. In:** Level -2.5Vrms 33K $\Omega$

**Extension Speakers - 250ML:** 16 $\Omega$  min. per channel

**Speakers - 250RL:** 8  $\Omega$  min. per channel

	250ML	212SCL	250RL
<b>Weight</b>	22lbs.	56lbs.	10lbs.
<b>Dimensions</b>	13.75"x9" x 6"	26.75"x16.5" x 12"	7.5"x3.5" x 6.75"
<b>Speakers</b>	2x6.5"	2x12"	N/A
<b>Speaker Type</b>	pyle	Celestion	N/A

### Stereo Effects Series Accessories

- 250ML Mic Stand Bracket
- Footswitch