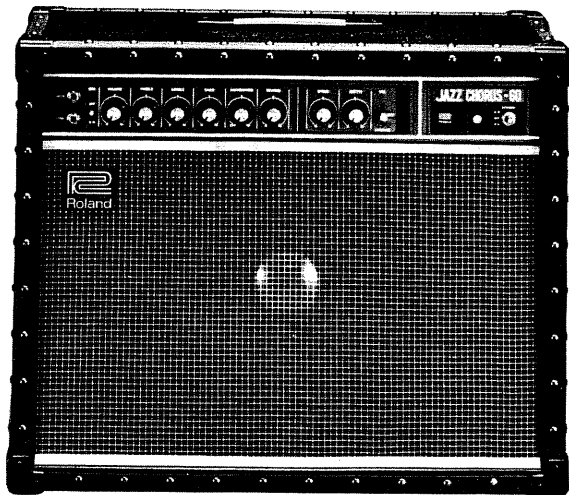


Roland

JAZZ CHORUS

JC-60

INSTRUCTIONS



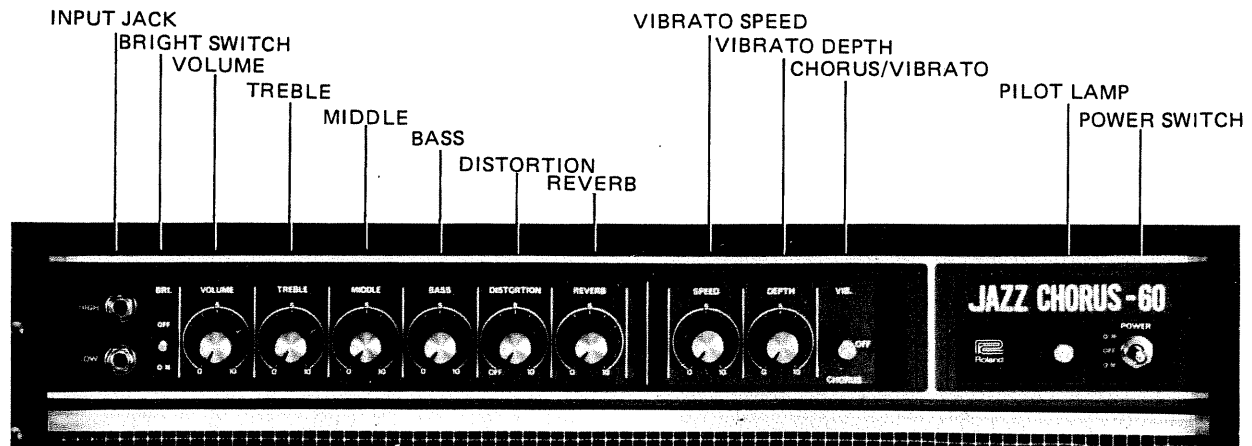
FEATURES

- 60 watt (rms) output combination amplifier equipped with chorus effect for deep and extensive sound, and characteristic soft vibrato effect (frequency modulation).
- With two input jacks (high-gain and low-gain), you can use guitar of any output.
- Provided with Bright switch for wider variety of tone setting.
- Provided with sweet, creamy soft distortion effect and reverb effect for fidelity and fullness of reverb by the "folded delay line" or the latest "Z fold" reverb unit.
- Cabinet is perfectly guarded: edges by hard fiber and corners by PP protector.
- Chorus/Vibrato, Reverb and Distortion can be remote-controlled by footswitches. You can switch on/off instantly without having to take your hands from the guitar.

Please read these instructions carefully for proper connecting and operating procedures.

CONTROLS AND FUNCTIONS

CONTROL PANEL



INPUT JACK

Two input jacks (high and low) are equipped. For ordinary output guitar, connect to "HIGH." For very big output guitars, connect to "LOW."

BRIGHT SWITCH

When this switch is set to ON, clearer sound can be obtained. Thus, the tone can be changed to hard or soft.

VOLUME

This knob controls volume. Turn clockwise (↻) to increase, and counterclockwise (↺), to decrease.

TREBLE

This knob controls high range response. Turn clockwise (↻) to lift and counterclockwise (↺), to cut.

MIDDLE

This knob controls middle range response. Turn clockwise (↻) to lift and counterclockwise (↺), to cut.

BASS

This knob controls low range response. Turn clockwise (↻) to lift and counterclockwise (↺), to cut.

DISTORTION

This knob controls distortion. Turn clockwise (↻) for greater distortion, and counterclockwise (↺) for slight distortion. At OFF position, no distortion is produced.

REVERB

This knob controls reverberation sound. Turn clockwise (↻) to increase, and counterclockwise (↺) to decrease.

VIBRATO SPEED

This knob controls speed of vibrato. Turn clockwise (↻) for faster speed and counterclockwise (↺) for slower vibrato.

VIBRATO DEPTH

This knob controls depth of vibrato. Turn clockwise (↻) for deeper effect.

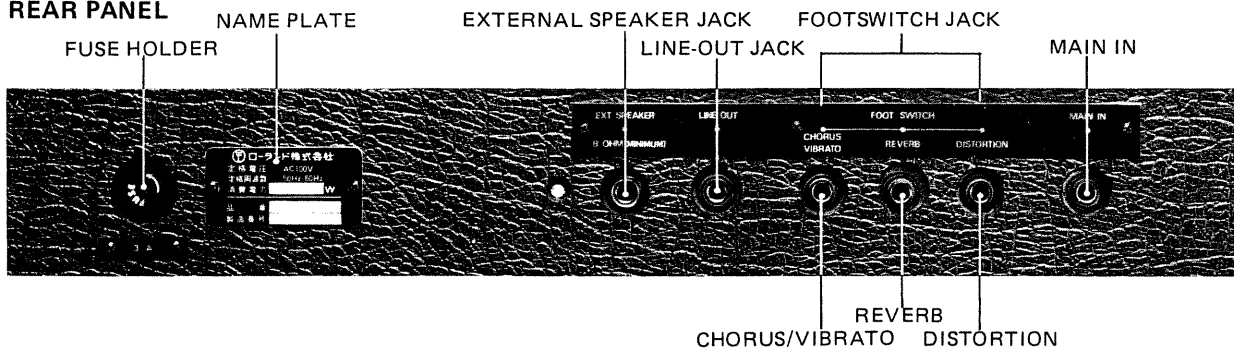
CHORUS/OFF/VIBRATO CHANGE-OVER SWITCH

Changeover of chorus-normal-vibrato can be accomplished simply by touching this switch.

POWER/POLARITY SWITCH – PILOT LAMP

Set to on to run the amplifier. Pilot lamp lights. If noise or power-line hum is heard, change the polarity of power switch.

REAR PANEL



FOOTSWITCH JACK

Connect footswitch to respective jacks and you can remote-control Chorus/Vibrato, Reverb, and Distortion to ON or OFF while in performance.

MAIN-IN JACK

By connecting line-out of another guitar amplifier, to GA-60, sound reinforcement is attained.

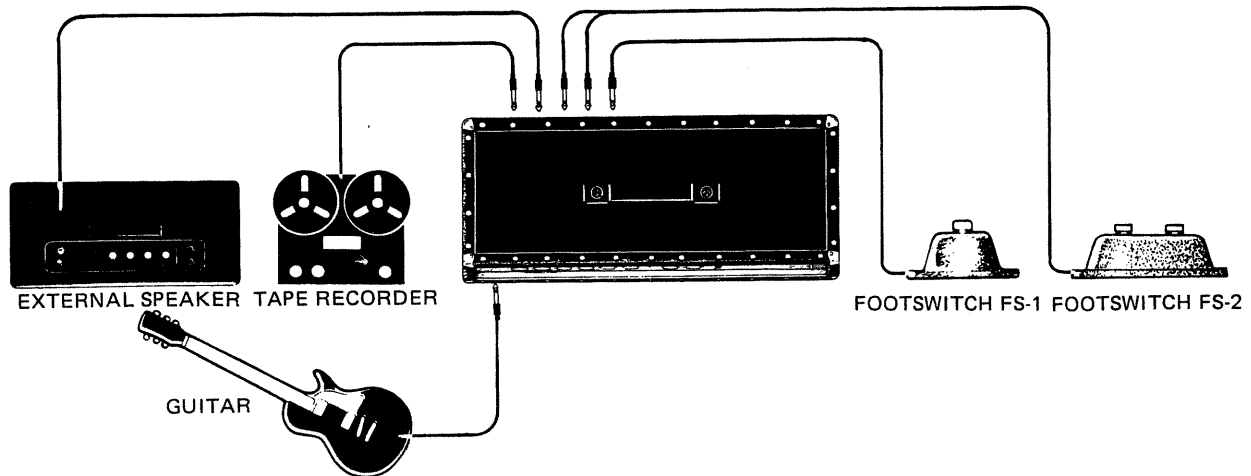
EXTERNAL SPEAKER JACK

External speaker system with 8Ω or over can be connected and sound can be produced together with the built-in speaker. This yields power when wide-dispersion, stereophonic sound is required.

LINE-OUT JACK

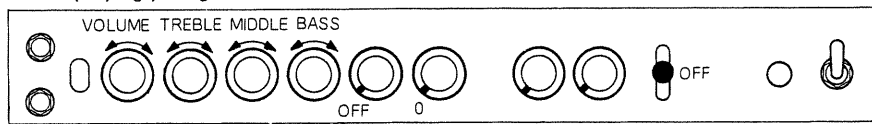
JC-60A can be connected through this jack to line-in of another guitar amplifier, slave amplifier or PA mixer. Recording is also possible by connecting to a tape deck.

CONNECTING JC-60

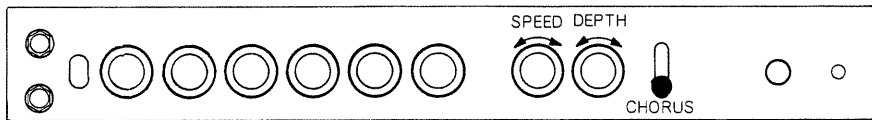


OPERATING JC-60

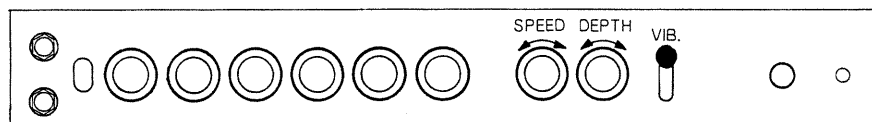
- 1 TO OBTAIN NORMAL SOUND:** Set knobs and controls as illustrated below and adjust volume and tone controls (Treble-Middle-Bass) to proper positions while playing your guitar.



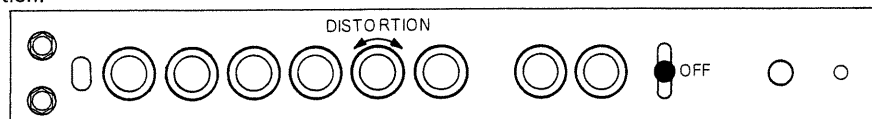
- 2 TO ADJUST CHORUS:** After perfecting the setting for normal sound, set Chorus/Vibrato changeover switch to Chorus, to obtain chorus effect.



- 3 TO ADJUST VIBRATO:** After perfecting the setting for normal sound, set Chorus/Vibrato changeover switch to Vibrato, to obtain vibrato effect. Set Speed and Depth controls at proper positions while playing your guitar.



- 4 TO OBTAIN DISTORTION SOUND:** Starting from the setting for normal sound, set Distortion control at proper position in ON region to obtain soft distortion.



- 5 TO ADJUST REVERB CONTROL:** Turn Reverb Control to proper position to obtain the reverberation effect as you like.

CHORUS EFFECT


With the chorus effect of JC series, sound-delay circuit is used to make a signal having a slightly different pitch from the direct sound, which is then mixed with the direct sound

to produce a unison. By this unique chorus effect, sweet and soft color is added to the electric guitar tone.

CAUTION

- If neon or fluorescent lamp is located close to amplifier or instrument, that may cause noise. Separate them each other. Also, selecting direction of guitar can reduce the noise.
- If you put in or out the power plug with amplifier volume set at high level, speaker is heavily loaded, causing the fear of breaking it. Do it after turning volume to "0" without fail.
- When connecting instrument and amplifier, connect cord plug to instrument first and then the other end to amplifier. For disconnection, reverse the order: from amplifier first and then from instrument.
- Do not exert big shock upon amplifier. Avoid moving amplifier while it is in operation.
- Avoid using JC-60 where there is much dust or under high humidity conditions, which may cause trouble.
- If amplifier is soiled, clean with neutral cleanser.
*Avoid using thinner or the like.
- When replacing fuse, be sure to use that with the specified rating.

SPECIFICATIONS

- Output 60W (rms)
- Speaker 30cm x 1
- Channel 1 Input jack High/Low
- Controls Volume, Treble, Middle, Bass, Distortion, Reverb, Vibrato speed, Vibrato depth
- Switches Bright, Chorus/Vibrato, Power
- Jacks  Footswitch (Chorus/Vibrato, Reverb, Distortion), External speaker, Line-out
- Power consumption 70W
- Dimensions 600(W) x 480(H) x 255(D)mm
23.6(W) x 18.9(H) x 10(D)in
- Weight 20kg, 44lbs
- Accessory Vinyl cover

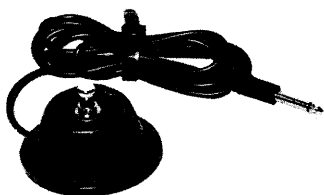
*Specifications are subject to change without notice.

OPTION

FOOTSWITCH FS-1

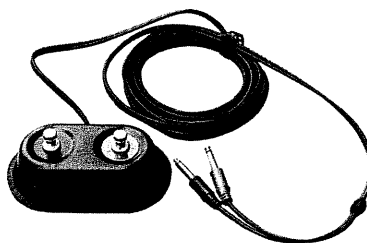
Footswitch for remote-controlled ON/OFF operation of effects.

- FS-5 with 5m cord is also available.



FOOTSWITCH FS-2

Footswitch for remote-controlled ON/OFF operation of effects.



TROUBLESHOOTING GUIDE

If your unit does not operate properly, take proper action consulting the table below. The symptom listed would be caused by mistake in using the unit. If the trouble cannot

be remedied even after the actions instructed, or if there is any symptom other than those listed, make contact with the shop you bought your JC-60.

SYMPTOM	POSSIBLE CAUSE	ACTION TO BE TAKEN
Even when power switch is set ON, pilot lamp does not light and no sound is produced.	Imperfect connection of power cord.	Plug in power cord perfectly.
Pilot lamp lights, but no sound is produced.	Volume is set to minimum.	Turn to proper level.
Distortion not effected.	Footswitch is set to OFF.	Tread footswitch to ON.
Reverb effect inoperative.	Footswitch is set to OFF. Reverb control is set to minimum.	Tread footswitch to ON. Turn to proper level.
Vibrato effect inoperative.	Chorus/Vibrato Changeover Switch set to center position. Footswitch is set to OFF. Speed or depth control is set to minimum.	Set Chorus/Vibrato Changeover Switch to Vibrato. Tread footswitch to ON. Turn speed or depth control to proper position.
Chorus effect inoperative.	Chorus/Vibrato Changeover Switch set to center position. Footswitch is set to OFF.	Set Chorus/Vibrato Changeover Switch to Chorus. Tread footswitch to ON.

GUITAR AMP SYSTEMS

JC SERIES
MODEL **JC-60**

JAZZ CHORUS

INSTRUCTION MANUAL



Features

1. The JC-60 is a 60W (R.M.S.) guitar amp, provided with chorus effect for voluminous rich sound and vibrato effect for soft, unique effect obtained through frequency modulation.
2. This amp is provided with three controls (Treble, Middle and Bass) to enable wide-range tone setting, a distortion control producing soft distortion sound and an OCE three-spring type Reverb control which produces clear reverberation effects. With these controls, you can enjoy full tone variation.
3. The JC-60 makes impressive, refined appearance, well integrated with functional design. Solidly built, all corners and edges are fiberglass reinforced and riveted.

Chorus Effect

Chorus effect of the JC series is produced through the use of special IC, which delays original signals; signals delayed have different pitches than the original ones. By mixing these signals, sound is produced in unison—that's chorus effect.

Thus sounds from an electric guitar are softened to give heavy sound never possible with conventional amps, and "wide-spreading" effects.

Terminals at Rear Panel

Foot Switch Jacks

- **For Chorus/Vibrato Control**

On-Off control of Chorus effect or Vibrato effect can be done via foot switch when the switch is connected to this jack. (Controls one effect which is indicated by the Chorus/Vibrato Change-over Switch at front Panel.)

- **For Reverb Control**

On-Off control of Reverb effect can be done through foot switch.

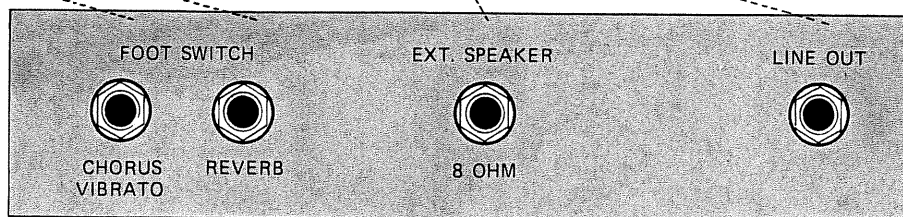
External Output Jack

- **Jacks for External Speakers**

By using 8-ohm external speaker system in combination with the built-in speakers, powerful volume output is obtained.

- **Line Out**

Use this Line Out when connecting the JC-60 directly to PA mixer or when recording.



Function of Controls

- **Input (High/Low)**

Two input sockets are provided for suitable selection according to electric guitar output to be connected. In general, use "high" socket, but use "low" with electric guitars having large output.

- **Volume Control**

Controls volume.

- **Treble**

- **Middle Tone Controls**

- **Bass**

Tone controls for treble, middle and bass enable various tone settings.

- **Distortion Control**

With this control, sweet distortion sound is obtained; sounds produced by control setting are distorted without excessive tonal change. Turning the control clockwise deepens the distortion depth.

- **Reverb Control**

Turning it clockwise deepens reverberation effect. On-Off control of reverb effect is done by foot, using foot switch.

- **Vibrato Speed Control**

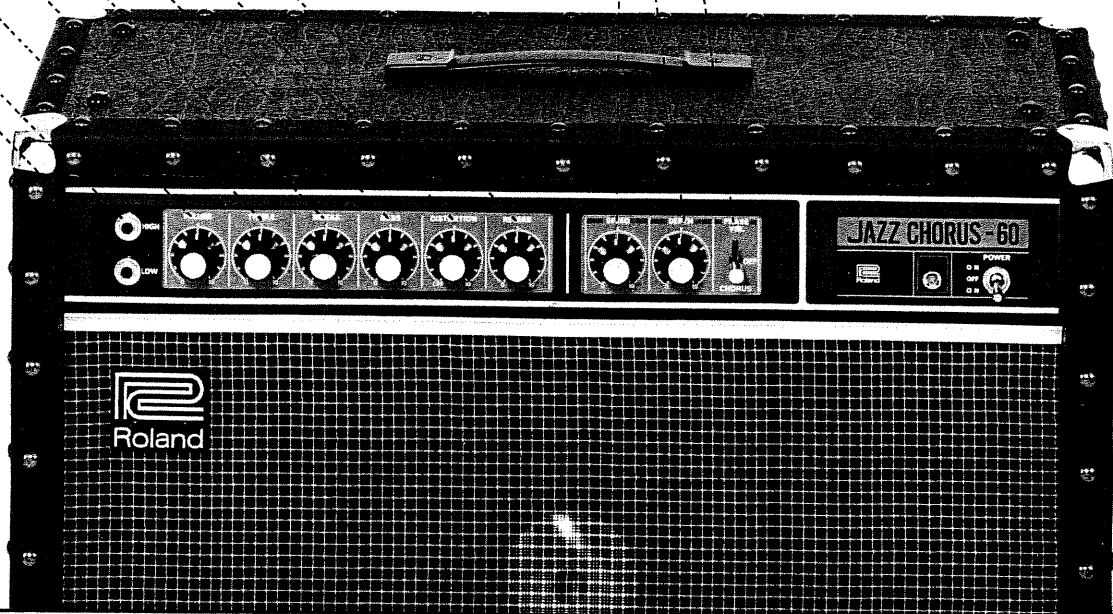
Controls vibrato effect speed; turning the control clockwise increases the speed.

- **Vibrato Depth Control**

Controls depth of vibrato effect; turning the control clockwise deepens the effect.

- **Chorus/Vibrato Changeover Switch**

This switch provides finger-touch change-over of chorus and vibrato effects as well as ON/OFF. It can also be controlled by pedal when foot switch is connected.



Cautions

- Keep away from florescent lamps, neon lamps, and others which may cause noises. When noises are generated, change the direction of guitar to reduce noises.
- Set the amp volume to OFF when connecting and disconnecting the power cord and connection cord, or the speaker may be damaged. When connecting instrument to the amp, first plug the cord in the instrument, and then plug into the amp. When disconnecting, first un-plug the cord from the amp, and then the one from the instrument.
- Do not give shocks to the amp, since it comprises precision components. And be sure not to transport the amp while the power switch is ON.
- Avoid use in hot and humid places. Periodically clean away dirt and dust.
- Clean the leather on the amp with natural liquid detergent or rubber eraser. Avoid thinner or other organic solvents.
- When replacing fuse, use the one specified by Roland.

JC-60 SPECIFICATIONS

Inputs	High, Low	2	
Controls	Volume	1	
	Treble	1	
	Middle	1	
	Bass	1	
	Distortion	1	
	Reverb	1	
	Vibrato Speed	1	
	Vibrato Depth	1	
	Chorus/Vibrato		
	Changeover Switch	1	
	Power Switch	1	
	Foot Switch Jacks	For Chorus/Vibrato	1
		For Reverb	1
Output Jacks	For EXT. Speaker		
	(8 ohms)	1	
	Line Out	1	
Semiconductors	Transistors	30	
	Diodes	14	
	ICs	3	
	Zener Diodes	2	
	FET	1	
	Dual FET	1	
Output Power:	60W (R.M.S.)		
Power			
Consumption:	200VA		
Speaker:	30cm x 1		
Dimensions:	600(W) x 255(D) x 480(H)mm		
	23.6" x 10" x 19"		
Weight:	20 Kgs (44 lbs.)		
Accessory	Vinyl Cover	1	

* Specifications are subject to change without notice.

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