

 Roland

JAZZ CHORUS

JC-50 INSTRUCTIONS



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JC-50

INSTRUCTIONS



FEATURES

- 50 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 a guitar having any kind of output.
- Provided with Bright Switch for a 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.
- Provided with phones jack, you can hear through ordinary monaural or stereo headphones.
- Provided with a Chorus/Vibrato output jack. When another guitar amplifier is connected to this unit through this jack, a rich effect of stereo chorus and vibrato can easily be achieved.

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

RADIO AND TELEVISION INTERFERENCE

"Warning - This equipment has been verified to comply with the limits for a Class B computing device, pursuant to Subpart J, of Part 15, of FCC rules. Operation with non-certified or non-verified equipment is likely to result in interference to radio and TV reception."

The equipment described in this manual generates and uses radio-frequency energy. If it is not installed and used properly, that is, in strict accordance with our instructions, it may cause interference with radio and television reception.

This equipment has been tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J, of Part 15, of FCC Rules. These rules are designed to provide reasonable protection against such a interference in a residential installation.

However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference by the following measure:

- Disconnect other devices and their input/output cables one at a time. If the interference stops, it is caused by either the other device or its I/O cable.

These devices usually require Roland designated shielded I/O cables. For Roland devices, you can obtain the proper shielded cable from your dealer. For non-Roland devices, contact the manufacturer or dealer for assistance.

If your equipment does cause interference to radio or television reception, you can try to correct the interference by using one or more of the following measures:

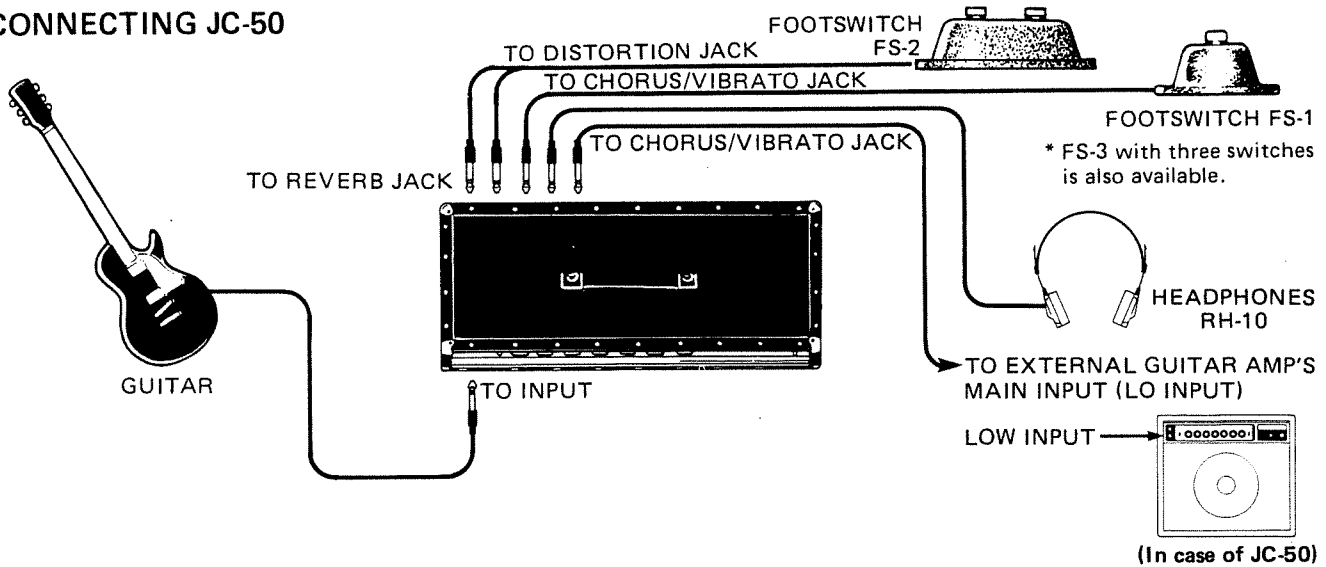
- Turn the TV or radio antenna until the interference stops.
- Move the equipment to one side or the other of the TV or radio.
- Move the equipment farther away from the TV or radio.
- Plug the equipment into an outlet that is on a different circuit than the TV or radio. (That is, make certain the equipment and the radio or television set are on circuits controlled by different circuit breakers or fuses.)
- Consider installing a rooftop television antenna with coaxial cable lead-in between the antenna and TV.

If necessary, you should consult your dealer or an experienced radio/television technician for additional suggestions. You may find helpful the following booklet prepared by the Federal Communications Commission:

"How to Identify and Resolve Radio-TV Interference Problems"

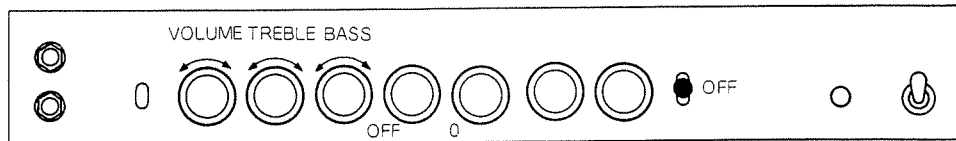
This booklet is available from the U.S. Government Printing Office, Washington, D.C., 20402, Stock No. 004-000-00345-4.

CONNECTING JC-50

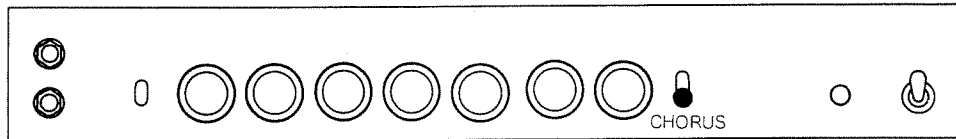


OPERATING JC-50

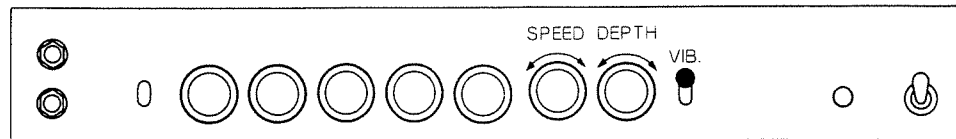
- 1 TO OBTAIN NORMAL SOUND:** Set knobs and controls as illustrated below and adjust volume and tone controls (Treble-Bass) to proper positions while playing your guitar.



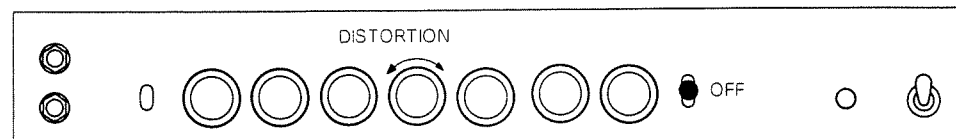
- 2 TO ADJUST CHORUS:** After perfecting the setting for normal sound, set Chorus/Vibrato changeover switch to Chorus, to obtain chorus effect.



- 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 a 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.

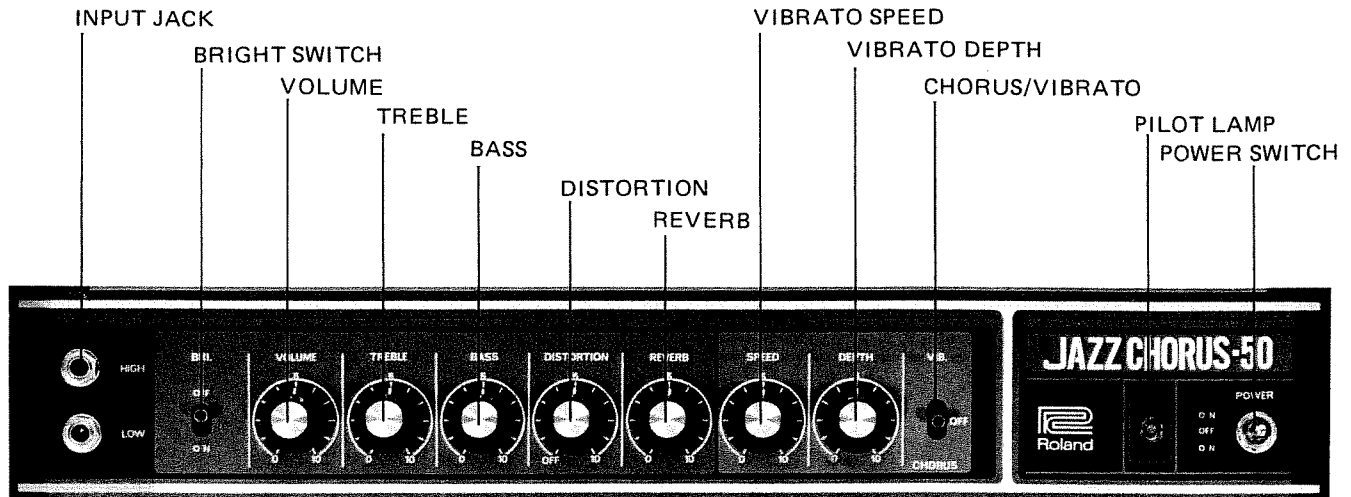
CHORUS EFFECT

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.

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.

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.

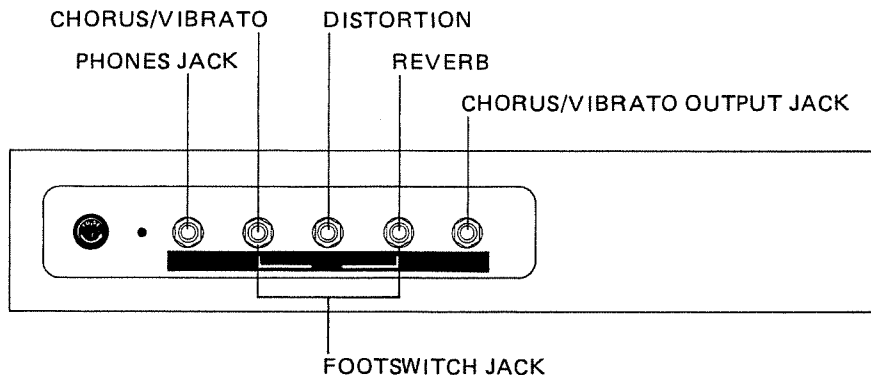
CHORUS/OFF/VIBRATO CHANGE-OVER SWITCH

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



PHONES JACK

Connecting headphones to this jack, no sound is produced through the speaker. You can enjoy your playing loud even at midnight. Stereo headphones can be used.

DISTORTION FOOTSWITCH JACK

Connect footswitch to this jack and you can remote-control Distortion to ON or OFF while in performance.

CHORUS/VIBRATO FOOTSWITCH JACK

Connect footswitch to this jack and you can remote-control Chorus or Vibrato, whichever is set with Chorus/Vibrato changeover switch on the control panel, to ON or OFF while in performance.

REVERB FOOTSWITCH JACK

Connect footswitch to this jack and you can remote-control Reverb to ON or OFF while in performance.

CHORUS/VIBRATO OUTPUT JACK

When this unit is connected to an external amplifier through the Chorus/Vibrato output jack, widely expanding chorus and vibrato effects can be achieved. The output level is 0dB, and the following functions are provided.

• This unit must be connected to either MAIN-IN or LOW INPUT jack of an external amplifier through the Chorus/Vibrato output jack.

1. When the Chorus/Vibrato selector switch is OFF, normal sound is produced from the JC-50, and sound identical to that from the REC OUT jack of the JC-50 is produced from the external amplifier.
2. When the mode select switch remains On, the unit outputs only the normal and reverb sounds, while the external amplifier outputs either the chorus or vibrato effect sound only (whereas the reverb sound is not sent out at all).

CAUTION

- If neon or fluorescent lamp is located close to amplifiers or instruments, that may cause noise. Separate them from 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-50 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 a fuse, be sure to use the one with the specified rating.

SPECIFICATIONS

- Output 50W (rms)
- Speaker 30cm x 1
- Channel 1
- Input jacks High/Low
- Controls Volume, Treble, Bass, Distortion, Reverb, Vibrato speed, Vibrato depth
- Switches Bright, Chorus/Vibrato, Power
- Jacks Footswitch (Chorus/Vibrato, Distortion, Reverb), Phones Chorus/Vibrato Out
- Power consumption . . . 150VA
- Dimensions 548(W) x 506(H) x 239(D)mm
21-5/8 x 19-7/8 x 9-3/8in
- Weight 18kg, 40lbs
- Accessory Vinyl cover

OPTION

FOOTSWITCH FS-1

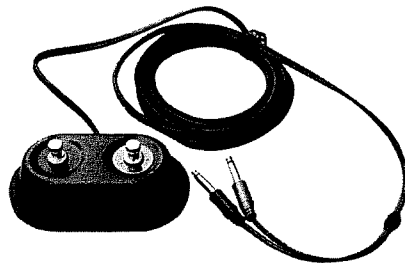
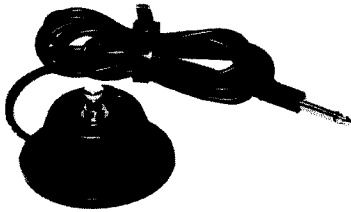
Footswitch for remote-controlled ON/OFF operation of effects.
● FS-5 with 5m cord is also available.

FOOTSWITCH FS-2

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

STEREO HEADPHONES RH-10

Stereo headphones best-suited for monitoring guitar amplifier, keyboard, mixer, etc.



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 are taken as instructed, or if there is any symptom other than those listed, make contact with the shop where you bought your JC-50.

SYMPTOM	POSSIBLE CAUSE	ACTION TO BE TAKEN
Even when power switch is set to 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.

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