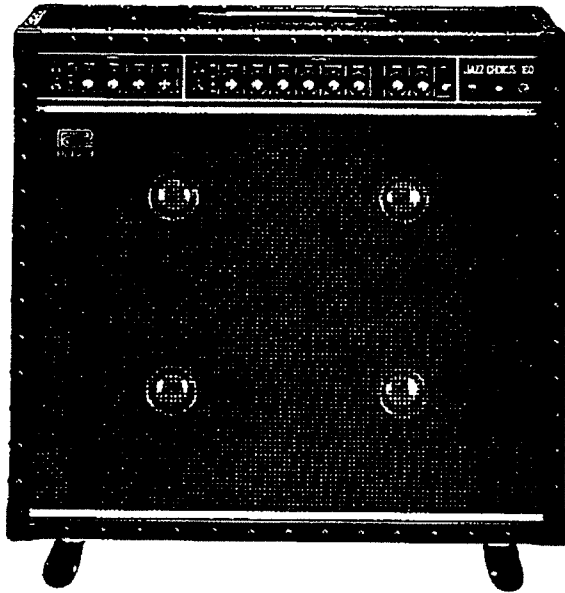


# Roland

JAZZ CHORUS

# JC-160

## INSTRUCTIONS



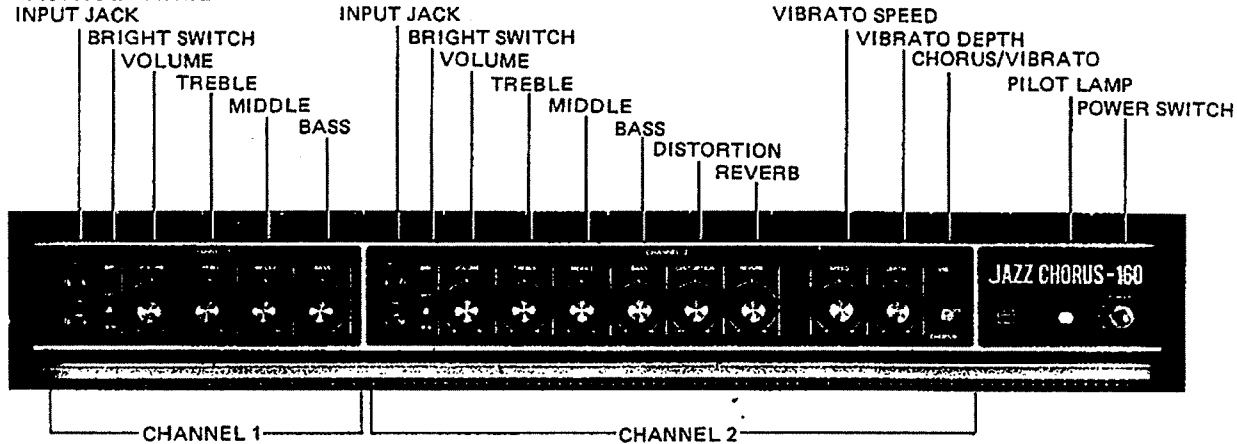
### FEATURES

- 120 watt (rms) output combination amplifier, comprising 2 channels, 60 watt rms each. Channel 2 is 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.
- Both channels are provided with Bright switch for wider variety of tone setting.
- LINE-IN jack allows stereo keyboard to display its maximum performance.
- 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.

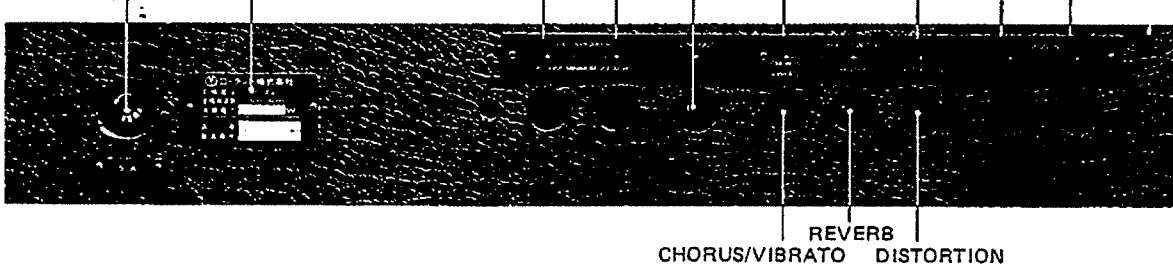
#### CHORUS/OFF/VIBRATO CHANGE-OVER SWITCH

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 JC-160, sound reinforcement is attained.

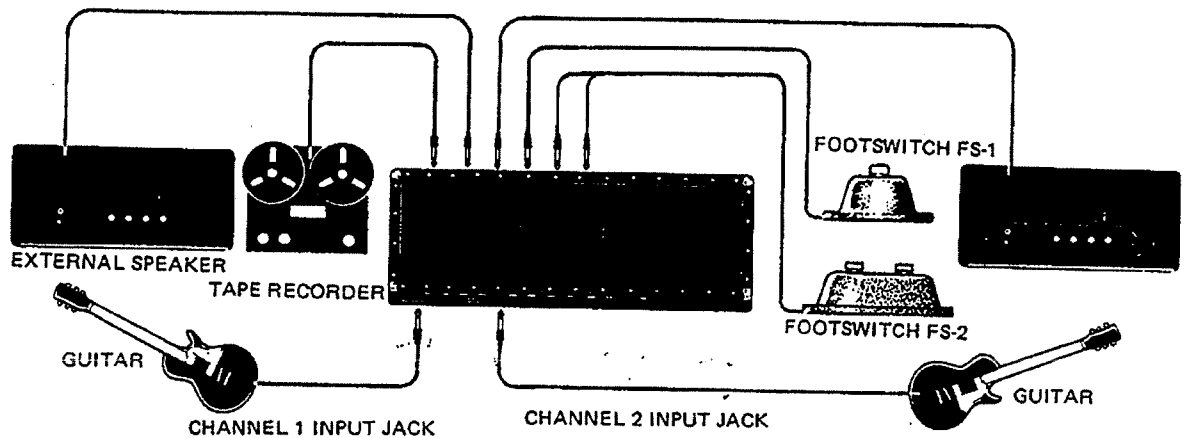
#### LINE-OUT JACK

JC-160 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.

#### EXTERNAL SPEAKER JACK

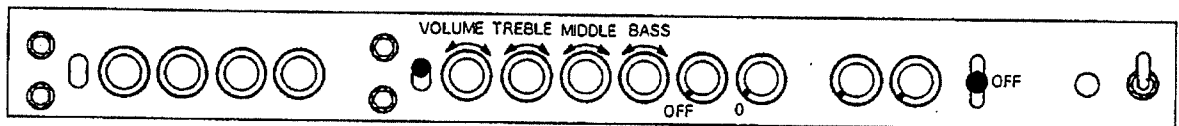
External speaker system with 8Ω or over can be connected and sound can be produced together with the built-in speaker. This yields power when wide-dispersion, stereophonic sound is required.

## CONNECTING JC-160

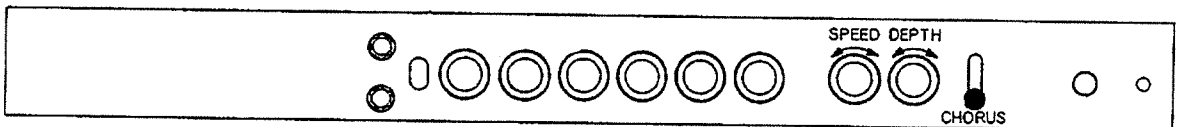


## OPERATING JC-160

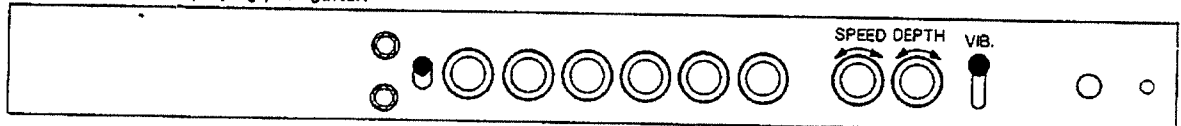
- 1 TO OBTAIN NORMAL SOUND:** Set knobs and switches as illustrated below and adjust volume and tone controls (Treble-Middle-Bass) to proper positions while playing your guitar.



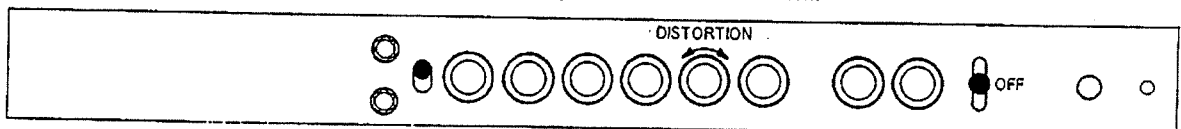
- 2 TO ADJUST CHORUS:** Connect connection cord plug to input jack of Channel 2. After perfecting the setting for normal sound, set Chorus/Vibrato changeover switch to Chorus, to obtain chorus effect.



- 3 TO ADJUST VIBRATO:** Connect connection cord plug to input jack of Channel 2. 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:** Connect guitar plug to input jack of Channel 2. 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 tones. Further, with your JC-160, two speakers are driven by two independent main amplifiers, which helps you enjoy natural, unaffected chorus sound.

**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-160 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 . . . . . 120W (rms)
- Speaker . . . . . 25cm x 4
- Channel . . . . . 2
- Input jack . . . . . High/Low x 2
- Controls . . . . . Volume x 2, Treble x 2, Middle x 2  
Bass x 2, Distortion, Reverb,  
Vibrato speed, Vibrato depth
- Switches . . . . . Bright x 2, Chorus/Vibrato, Power
- Jacks . . . . . Footswitch  
(Chorus/Vibrato, Reverb,  
Distortion), External speaker x 2,  
Line-out
- Power consumption . . . 120W
- Dimensions . . . . . 750(W) x 700(H) x 240/300(D)mm  
29.5(W) x 27.6(H) x 9.4/11.8(D)in
- Weight . . . . . 35kg, 77lbs
- Accessory . . . . . Vinyl cover

\*Specifications are subject to change without notice.

**OPTION**

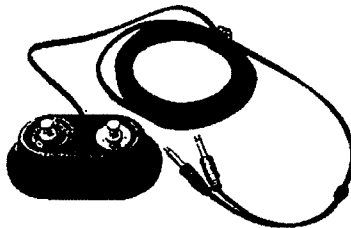
**FOOTSWITCH FS-1**

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 on the right. 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-160.

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. Connected to Channel 1 Input Jack.	Tread footswitch to ON. Connect to Channel 2 Input Jack.
Reverb effect inoperative.	Footswitch is set to OFF. Reverb control is set to minimum. Connected to Channel 1 Input Jack.	Tread footswitch to ON. Turn to proper level. Connect to Channel 2 Input Jack.
Vibrato effect inoperative.	Chorus/Vibrato Changeover Switch set to center position. Footswitch is set to OFF. Speed or depth control is set to minimum. Connected to Channel 1 Input Jack.	Set Chorus/Vibrato Changeover Switch to Vibrato. Tread footswitch to ON. Turn speed or depth control to proper position. Connect to Channel 2 Input Jack.
Chorus effect inoperative.	Chorus/Vibrato Changeover Switch set to center position. Footswitch is set to OFF. Connected to Channel 1 Input Jack.	Set Chorus/Vibrato Changeover Switch to Chorus. Tread footswitch to ON. Connect to Channel 2 Input Jack.



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