

# GUITAR AMPLIFIER

# JAZZ CHORUS JC-120

## Owner's Manual

English

日本語

Deutsch

Français

Italiano

Español

Português

Nederlands

Before using this unit, carefully read "IMPORTANT SAFETY INSTRUCTIONS" (inside front cover), "USING THE UNIT SAFELY" (p. 2), and "IMPORTANT NOTES" (p. 3). After reading, keep the document(s) where it will be available for immediate reference.

# USING THE UNIT SAFELY

## INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

### About ⚠ WARNING and ⚠ CAUTION Notices

<b>⚠ WARNING</b>	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
<b>⚠ CAUTION</b>	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. * Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.

### About the Symbols

	The ⚠ symbol alerts the user to important instructions or warnings. The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger.
	The ⓧ symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the unit must never be disassembled.
	The Ⓞ symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the power-cord plug must be unplugged from the outlet.

## ALWAYS OBSERVE THE FOLLOWING

### ⚠ WARNING

#### Make sure that the power cord is grounded

Connect mains plug of this model to a mains socket outlet with a protective earthing connection.



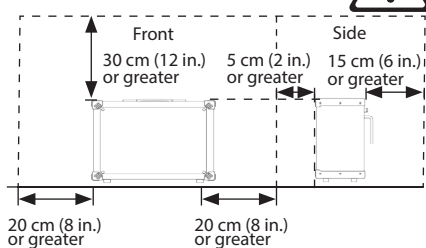
#### To completely turn off power to the unit, pull out the plug from the outlet

Even with the power switch turned off, this unit is not completely separated from its main source of power. When the power needs to be completely turned off, turn off the power switch on the unit, then pull out the plug from the outlet. For this reason, the outlet into which you choose to connect the power cord's plug should be one that is within easy reach and readily accessible.



#### Secure a sufficient amount of space at the setup location

Since this unit normally emits a slight amount of heat, make sure to secure sufficient space around it, as shown below.



### ⚠ WARNING

#### Do not use or store in the following types of locations

- Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are
- Damp (e.g., baths, washrooms, on wet floors); or are
- Exposed to steam or smoke; or are
- Subject to salt exposure; or are
- Exposed to rain; or are
- Dusty or sandy; or are
- Subject to high levels of vibration and shakiness; or are
- Placed in a poorly ventilated location.



#### Do not place in an unstable location

Otherwise, you risk injury as the result of the unit toppling over or dropping down.

#### Connect the power cord to an outlet of the correct voltage

The unit should be connected to a power supply only of the type described as marked on the rear side of unit.



#### Use only the supplied power cord

Use only the attached power cord. Also, the supplied power cord must not be used with any other device.



#### Do not bend the power cord or place heavy objects on it

Otherwise, fire or electric shock may result.



#### Avoid extended use at high volume

Use of the unit at high volume for extended periods of time may cause hearing loss. If you ever experience any hearing loss or ringing in the ears, you should immediately stop using the unit and consult a specialized physician.



### ⚠ WARNING

#### Do not allow foreign objects or liquids to enter unit; never place containers with liquid on unit

Do not place containers containing liquid (e.g., flower vases) on this product. Never allow foreign objects (e.g., flammable objects, coins, wires) or liquids (e.g., water or juice) to enter this product. Doing so may cause short circuits, faulty operation, or other malfunctions.



#### Turn off the unit if an abnormality or malfunction occurs

In the following cases, immediately turn off the power, remove the power cord from the outlet, and contact your dealer, a Roland service center, or an official Roland dealer for service.



- The power cord has been damaged; or
- If smoke or unusual odor occurs; or
- Objects have fallen into, or liquid has been spilled onto the unit; or
- The unit has been exposed to rain (or otherwise has become wet); or
- The unit does not appear to operate normally or exhibits a marked change in performance.

For a list of Roland service centers and official Roland dealers, refer to the Roland website.

#### Be cautious to protect children from injury

Always make sure that an adult is on hand to provide supervision and guidance when using the unit in places where children are present, or when a child will be using the unit.



#### Do not drop or subject to strong impact

Otherwise, you risk causing damage or malfunction.



#### Do not share an outlet with an unreasonable number of other devices

Otherwise, you risk overheating or fire.



**! WARNING**

**Do not use overseas**

Before using the unit in overseas, consult with your retailer, the nearest Roland service center, or an authorized Roland distributor.

For a list of Roland service centers and official Roland dealers, refer to the Roland website.



**Don't block ventilation openings**

Don't allow the unit's ventilation openings to be blocked by a newspaper, tablecloth, curtains, or similar objects.



**Don't place burning objects on the unit**

Don't place any burning object (such as a candle) on the unit.



**Be aware of weather conditions**

Use the apparatus in moderate climates.



**! CAUTION**

**When disconnecting the power cord, grasp it by the plug**

To prevent conductor damage, always grasp the power cord by its plug when disconnecting it.



**! CAUTION**

**Periodically clean the power plug**

An accumulation of dust or foreign objects between the power plug and the power outlet can lead to fire or electric shock.

At regular intervals, be sure to pull out the power plug, and using a dry cloth, wipe away any dust or foreign objects that may have accumulated.



**Disconnect the power plug whenever the unit will not be used for an extended period of time**

Fire may result in the unlikely event that a breakdown occurs.



**Route all power cords and cables in such a way as to prevent them from getting entangled**

Injury could result if someone were to trip on a cable and cause the unit to fall or topple.



**Remove all casters if mobility presents danger**

In every situation where the unexpected movement of this unit could present a danger (such as when it's set up on a stage, or when it's being transported inside a vehicle), make sure to remove all the casters.



**Avoid climbing on top of the unit, or placing heavy objects on it**

Otherwise, you risk injury as the result of the unit toppling over or dropping down.



**! CAUTION**

**Never connect/disconnect a power plug if your hands are wet**

Otherwise, you could receive an electric shock.



**Disconnect all cords/cables before moving the unit**

Before moving the unit, disconnect the power plug from the outlet, and pull out all cords from external devices.



**Before cleaning the unit, disconnect the power plug from the outlet**

If the power plug is not removed from the outlet, you risk receiving an electric shock.



**Whenever there is a threat of lightning, disconnect the power plug from the outlet**

If the power plug is not removed from the outlet, you risk causing malfunction or receiving an electric shock.



**Take care not to get burned**

The cooling vents on the rear side of the unit may become hot, so take care to avoid burns.



**Do not remove the speaker grille and speaker**

Do not remove the speaker grille and speaker by any means. Speaker is not user replaceable. Shock hazardous voltages and currents are present inside the enclosure.



# IMPORTANT NOTES

**Power Supply**

- Do not connect this unit to same electrical outlet that is being used by an electrical appliance that is controlled by an inverter or a motor (such as a refrigerator, washing machine, microwave oven, or air conditioner). Depending on the way in which the electrical appliance is used, power supply noise may cause this unit to malfunction or may produce audible noise. If it is not practical to use a separate electrical outlet, connect a power supply noise filter between this unit and the electrical outlet.

**Placement**

- Using the unit near power amplifiers (or other equipment containing large power transformers) may induce hum. To alleviate the problem, change the orientation of this unit; or move it farther away from the source of interference.
- This unit may interfere with radio and television reception. Do not use this unit in the vicinity of such receivers.
- Noise may be produced if wireless communications devices, such as cell phones, are operated in the vicinity of this unit. Such noise could occur when receiving or initiating a call, or while conversing. Should you experience such problems, you should relocate such wireless devices so they are at a greater distance from this unit, or switch them off.
- When moved from one location to another where the temperature and/or humidity is very different, water droplets (condensation) may form inside the unit. Damage or malfunction may result if you attempt to use the unit in this condition. Therefore, before using the unit, you must allow it to stand for several hours, until the condensation has completely evaporated.

- Depending on the material and temperature of the surface on which you place the unit, its rubber feet may discolor or mar the surface.
- Do not place containers or anything else containing liquid on top of this unit. Also, whenever any liquid has been spilled on the surface of this unit, be sure to promptly wipe it away using a soft, dry cloth.

**Maintenance**

- Never use benzene, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

**Additional Precautions**

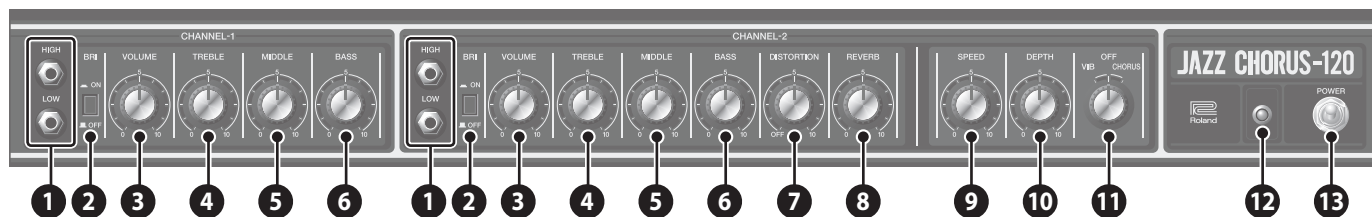
- Use a reasonable amount of care when using the unit's buttons, sliders, or other controls; and when using its jacks and connectors. Rough handling can lead to malfunctions.
- When disconnecting all cables, grasp the connector itself—never pull on the cable. This way you will avoid causing shorts, or damage to the cable's internal elements.
- A small amount of heat will radiate from the unit during normal operation.
- To avoid disturbing others nearby, try to keep the unit's volume at reasonable levels.
- When disposing of the packing carton or cushioning material in which this unit was packed, you must observe the waste disposal regulations that apply to your locality.
- Do not use connection cables that contain a built-in resistor.

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# Panel Descriptions

## Front Panel



### 1 Input jacks

Two input jacks are provided. For a guitar with a standard output, use the "HIGH" input. For very high output instruments, use the "LOW" input.

\* To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.

### 2 BRI (Bright) switch

When this switch is set to ON, a bright, clear sound can be obtained.

### 3 VOLUME knob

Clockwise rotation will increase the amplifier's overall volume.

### 4 TREBLE Control knob

Clockwise rotation will boost the higher frequencies.

### 5 MIDDLE Control knob

Clockwise rotation will boost the all-important middle frequencies.

### 6 BASS Control knob

Clockwise rotation will boost the lower frequencies.

### 7 DISTORTION knob

Clockwise rotation will intensify the distortion effect. "OFF" turns the effect off.

### 8 REVERB knob

Clockwise rotation will intensify the reverb effect.

### 9 Vibrato SPEED knob

This knob adjusts the rate (frequency of the sound vibrations) of the vibrato effect. Clockwise rotation increases the vibrato speed.

### 10 Vibrato DEPTH knob

This knob adjusts the depth of the vibrato effect. Clockwise rotation deepens the vibrato effect.

### 11 VIB/OFF/CHORUS switch

This knob selects the Chorus or Vibrato effect. When it is set to the "OFF" position neither effect will be obtained.

\* Neither the speed nor depth of the Chorus effect can be changed.

### 12 Pilot Lamp

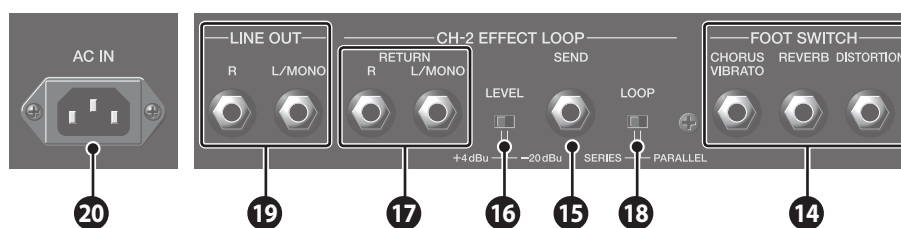
This will light when the amplifier is switched on.

### 13 POWER switch

This switch turns the amplifier on and off (p. 6).

\* If you need to turn off the power completely, first turn off the unit, then unplug the power cord from the power outlet. Refer to **"To completely turn off power to the unit, pull out the plug from the outlet" (p. 2).**

## Rear Panel



\* To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.

### 14 Footswitch jacks

With the proper footswitch connected to the appropriate jack, you can obtain on/off control of Chorus/Vibrato, Reverb and/or Distortion.

\* Even when a footswitch is turned on, no effect will be obtained if knobs **7** and **11** are in the "OFF" positions.

### 15 CH-2 EFFECT LOOP SEND jack

This is the jack from which the dry (unprocessed) signal is sent to the effects device.

### 16 CH-2 EFFECT LOOP LEVEL switch

This switch selects the input/output level for the Channel 2 effects loop. Change the switch position to accommodate the effects device you are using. When the connected unit's input/output level is high, set the switch to "+4 dBu," and when that level is low, set the switch to "-20 dBu."

### 17 CH-2 EFFECT LOOP RETURN jacks

These are input jacks for the return signal from your effects device. Stereo connections (L/R) are possible. To use the unit in mono, use the L/MONO jack.

\* When using this unit in mono, the return sound will not be output through the speakers even if you input the return sound to the RETURN R jack. That is, when the L/MONO jack is not used, only direct sounds will be output (regardless of the LOOP switch setting).

\* Before you make connections to the RETURN jack(s), be sure to switch the units off.

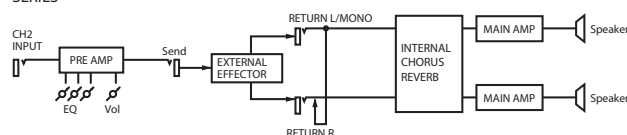
### 18 CH-2 EFFECT LOOP switch

This switch selects either the series or parallel connection for the Effects Loop circuit.

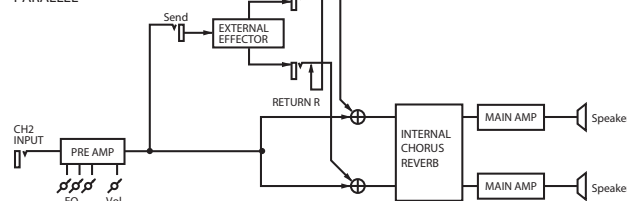
When PARALLEL is selected, external effects sounds and direct sounds (unprocessed sounds) will be mixed.

When SERIES is selected, external effects sounds will not be mixed with direct sounds.

SERIES



PARALLEL



### 19 LINE OUT jacks

Use these jacks to connect the JC-120 to another guitar amplifier or mixer, or to a tape deck for recording. A stereo pair (L/R) is provided, but mono connections are also possible (use the L/MONO jack).

### 20 AC IN jack

Connect the included power cord.

# Switching On Power

\* Once everything is properly connected (p. 5), be sure to follow the procedure below to turn on their power. If you turn on equipment in the wrong order, you risk causing malfunction or equipment failure.

\* Before turning the unit on/off, always be sure to turn the volume down. Even with the volume turned down, you might hear some sound when switching the unit on/off. However, this is normal and does not indicate a malfunction.

1. Make sure that the JC-120's VOLUME knob and the volume of the devices connected to the JC-120 are set to "0."
2. Switch on the power on all devices EXCEPT the device(s) connected to the LINE OUT jacks.
3. Turn on the JC-120's power.
4. Switch on the power on any devices connected to the LINE OUT jacks.
5. Adjust the volume levels for the devices.

# Attaching Casters

Castors are included with the JC-120 to allow easy transportation.

The castors are not fitted to the unit when shipped from the factory.

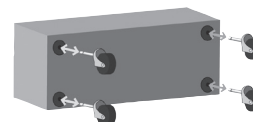
To fit or remove the castors, follow the diagram.

\* Be sure to set up and use these units in stable, level locations.

\* To prevent injury, make sure that at least two persons work together when carrying the units.

\* Be careful not to get your fingers or feet pinched.

Front side of the unit



# Specifications

Rated Power output	120 W
Speakers	30 cm (12 inches) x 2
Power Consumption	130 W
Nominal Input Level	-30 dBu (680 kΩ)
Connectors	CH-1 Input jacks (HIGH, LOW)
	CH-2 Input jacks (HIGH, LOW)
	Footswitch jacks (CHORUS/VIBRATO, REVERB, and DISTORTION)
	CH-2 EFFECT LOOP SEND jack
	CH-2 EFFECT LOOP RETURN jacks (L/MONO, R)
Controls	CH-1: BRI (Bright) switch, VOLUME knob, TREBLE Control knob, MIDDLE Control knob, BASS Control knob
	CH-2: BRI (Bright) switch, VOLUME knob, TREBLE Control knob, MIDDLE Control knob, BASS Control knob, DISTORTION knob, REVERB knob, Vibrato SPEED knob, Vibrato DEPTH knob, VIB/OFF/CHORUS switch
	POWER switch, CH-2 EFFECT LOOP switch, CH-2 EFFECT LOOP LEVEL switch
Dimensions	760 (W) x 280 (D) x 622 (H) mm (includes casters)
	29-15/16 (W) x 11-1/16 (D) x 24-1/2 (H) inches
Weight	28.7 kg / 63 lbs 5 oz (includes casters)
Accessories	Owner's Manual, Power cord
Options	Footswitch: BOSS FS-5L, FS-6, FS-7

\* 0 dBu = 0.775 Vrms

\* This document explains the specifications of the product at the time that the document was issued. For the latest information, refer to the Roland website.