

 Roland®

BN-60/100

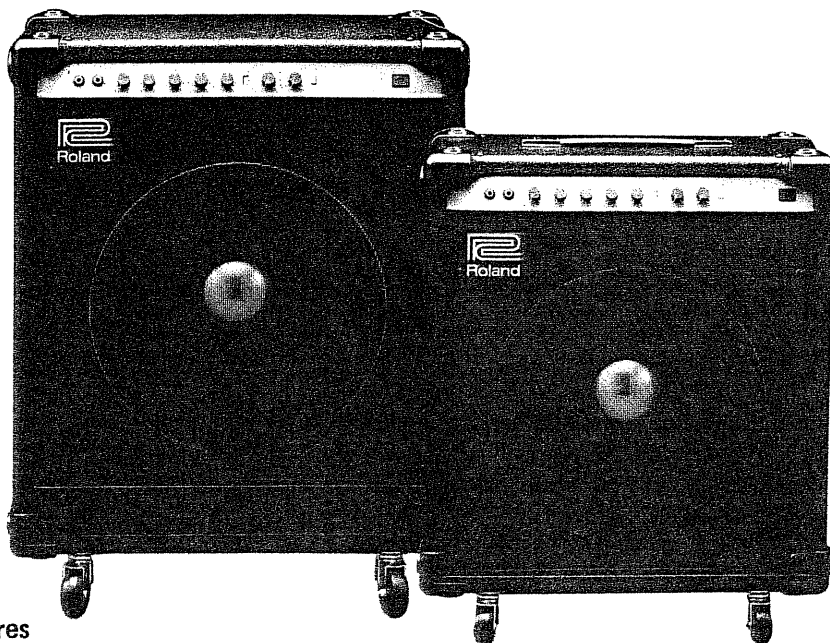
Owner's Manual

 Roland

BASS NOTE

BN-60/100

Owner's Manual



★This owner's manual covers the instructions for both the BN-60 and BN-100. (All the figures use the BN-100's pictures.)

• Features

- The newly developed 38 cm speaker system is adopted.
BN-60 High efficiency speaker with 156 ϕ magnet.
BN-100 Super efficiency speaker with 180 ϕ magnet and aluminum diecast frame that can withstand as much as 150W input power. Also, the Voice Coil consists of aluminum edge wise ribbon.

- The Bass Chorus, which is a completely new feature, is included, allowing clear and effective sounds.
- The built-in 4 band active equalizer with extremely wide variable band width makes delicate tone color setting so easy as ever.
- The professional oriented BYPASS Switch is provided in the Equalizer section.

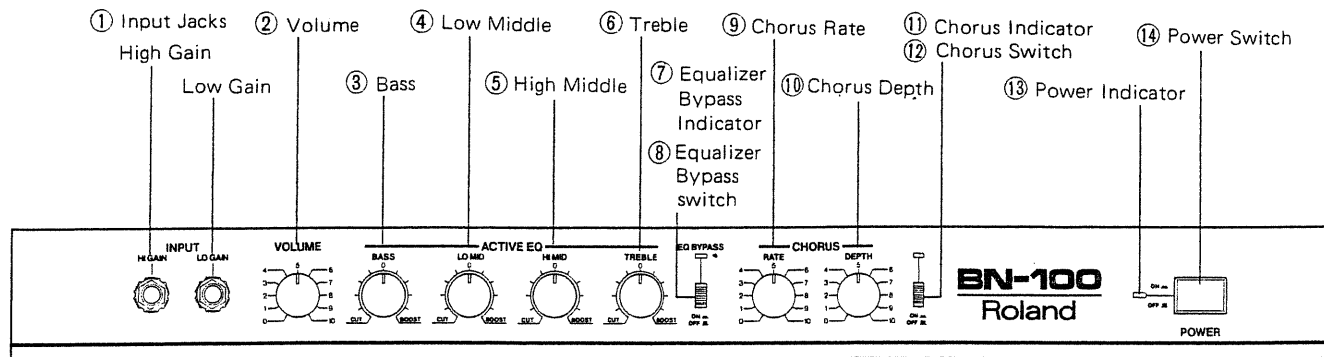
- The polycarbonate corner protector can bear most frequent and hard use, ensuring an amazing stability when two cabinets are stacked.
- The Chorus Out Jack is provided for setting up an amplifier, therefore expansive and spacious sound is obtainable.
- The speaker contains the best tuned bass reflex enclosure.
- The Line Out (XLR Connector) is extremely useful in setting up a PA system or in recording (BN-100).

• Cautions

- Locating the amplifier or the musical instrument near a neon or fluorescent lamp may cause noise interference. If so, move them out of the interference range. Be sure to set the volume of the amplifier to zero before pulling out the cord to protect the speaker from excessive strain. When connecting an musical instrument to the amplifier, be sure to connect the cord to the musical instrument first, then to the amplifier. When disconnecting, unplug the cord from the amplifier first, then from the instrument.

- Avoid giving a strong shock to the amplifier or moving it while it is operating.
- Do not use the amplifier in excessive heat or humidity or where it may be affected by direct sunlight or dust.
- Use a mild detergent to clean the amplifier. Do not use solvent such as paint thinner.
- Use the specific fuse when replacement is required.

• Control Panel



① Input Jacks High Gain Low Gain

Select either of High or Low Gain, depending on the output level of the bass guitar you use. Usually High is to be used, but use the Low for the guitar of extremely high output level.

② Volume Knob

This knob is to control the volume. Rotating it clockwise increases the volume.

4-Band Active Equalizer section

③ Bass Control

This is to boost or cut low range frequency characteristic.

④ Low Middle Control

This boosts or cuts the frequency characteristic between middle low and middle range.

⑤ High Middle Control

This boosts or cuts the frequency characteristic between middle and middle high range.

⑥ Treble Control

This boosts or cuts high range frequency characteristic.

⑦ Equalizer Bypass Indicator

This indicator lights when the Equalizer is in the Bypass mode.

⑧ Equalizer Bypass Switch

Pressing this switch will turn the built-in Equalizer to the Bypass mode. Thus frequency characteristic is flat, not processed by the Equalizer. This mode is useful when an external equalizer is used.

*While the Bypass Switch is being pushed on, no control on the Equalizer section works.

⑨ Chorus Rate Control

This knob is to adjust the rate of the chorus effect. Turning this clockwise quickens and counter-clockwise slows the rate.

⑩ Chorus Depth Control

This knob is to control the depth of the chorus effect. Rotating it clockwise deepens and counter-clockwise weakens the effect.

⑪ Chorus Indicator

This goes on when the chorus effect is on.

⑫ Chorus Switch

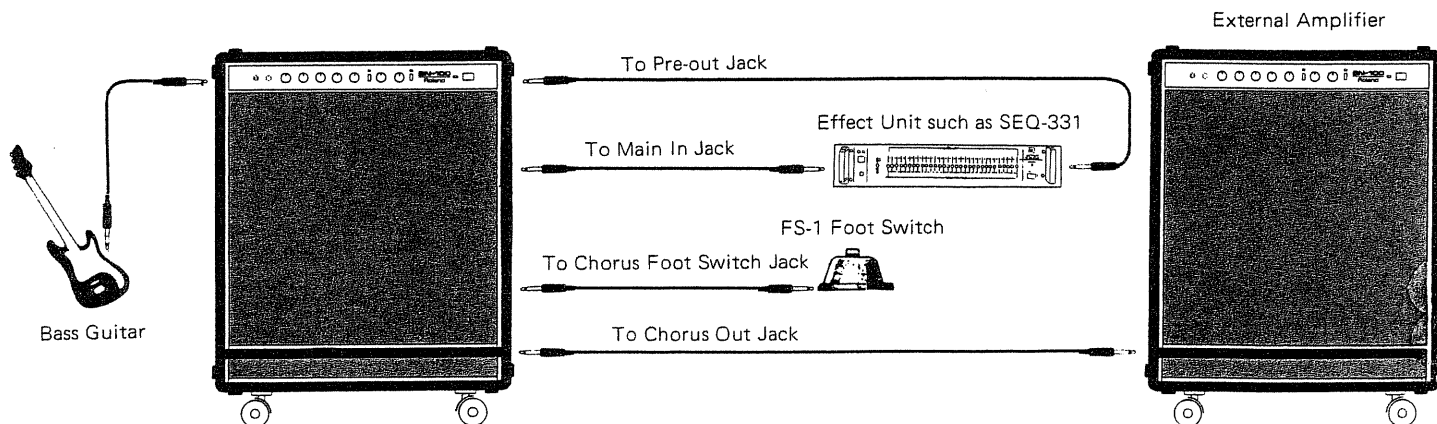
This is to turn the chorus effect on or off.

⑬ Power Indicator

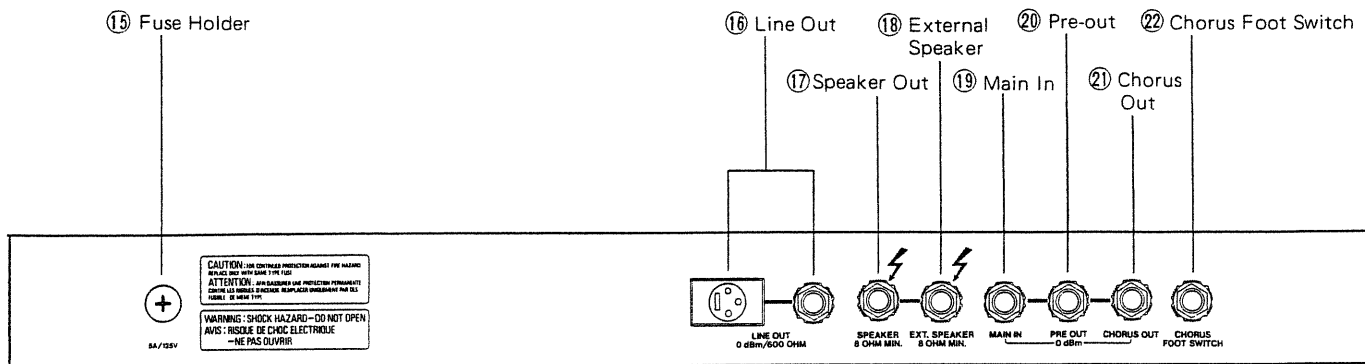
This goes on when the unit is turned on.

⑭ Power Switch

Press this switch to turn the unit on. If there is any hum or noise, try plugging the power cord in up side down.



● Rear Panel



15 Fuse Holder

16 Line Out

● XLR Connector (only the BN-100)

● 1/4" Phone Jack

This can be used to connect the Line in of the other bass amplifier, PA mixer or tape deck for recording.

17 Speaker Out Jack

This is for the built-in speaker, but can also be used to connect to an external speaker (over 8 Ω).

18 External Speaker Jack

By connecting an external speaker system of over 8 Ω, you can have sounds from both the built-in and the external speakers.

19 Main In Jack

An effect unit can be set up between this jack and the Pre-out.

20 Pre-out Jack

This can be connected to the Main In or Line In of the PA mixer or tape recorder.

21 Chorus Out Jack

This can be connected to the Main In or Low Input Jack of an external amplifier. Using an external amplifier together with the built-in amplifier allows even more expansive chorus effect.

* See next page for setting up an external amplifier.

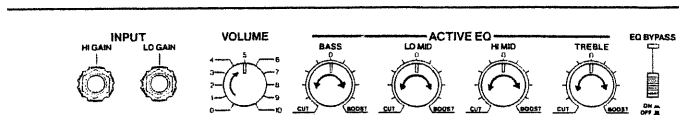
22 Chorus Foot Switch Jack

By connecting a Foot Switch to this jack, you can easily turn the chorus effect on or off during live performance just by pressing the pedal. While using this function, be sure the Chorus Switch 12 on the panel is on.

● Operation

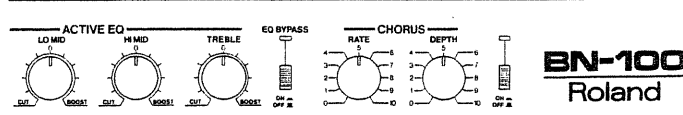
1 Normal Sound

Initially, set the controls and switches on the panel as shown, then while playing your bass guitar, adjust the Volume and Active Equalizer (BASS/LO MID/HI MID/MID/TREBLE) to your liking.



3 Equalizer Bypass

Press the Bypass Switch in the Equalizer section to turn it to the Bypass mode. Bypass mode is useful for when the built-in Equalizer is not being used, or if you want to synthesize sounds only with external effects.

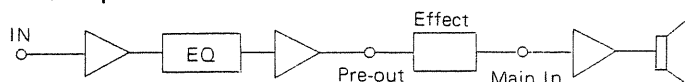


2 Chorus Controls

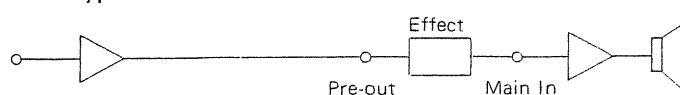
Press the Chorus Switch to obtain chorus effect, then adjust the rate and depth with the corresponding controls. (Usually, in their center positions, normal chorus effect is obtained.)



★ In Equalizer mode

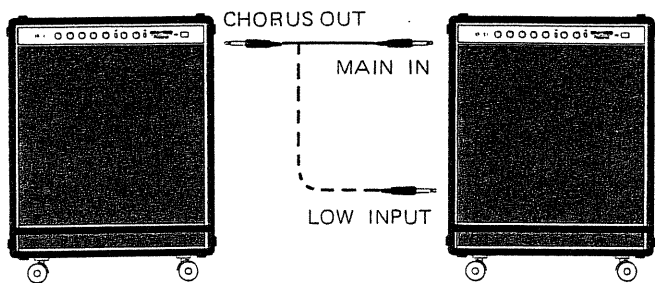


★ In Bypass mode



• Set up for Stereo effect and Effect Sound Variation by switches.

• Specifications



		BN	External Amplifier
Chorus	ON	Direct Sound	Acoustic Chorus Sound
	OFF	Direct Sound	Direct Sound

• When an External Amplifier is used.

Input of External Amp.	External Amplifier		Operation on the BN.
	Operation	Result	
MAIN IN	Set the Master Volume to the maximum.	The volume or Tone Control knobs do not function.	<ul style="list-style-type: none"> Adjust the volume. Adjust the controls of the equalizer.
LOW INPUT	Adjust the volume to match that of the BN.	All the controls are adjustable.	<ul style="list-style-type: none"> Adjust the volume. Adjust the controls of equalizer.

If the Chorus Output Jack is plugged in, there is no chorus sound heard from the BN. Therefore, disconnect the plug for obtaining chorus effect in the BN.

• Before Calling For The Repairs

If your amplifier does not function properly, check as shown in the table below. If it is still in trouble, contact your local Roland dealer.

Symptom	Cause	Action to be taken
The Power Indicator does not light and no sound is heard, even if the Power Switch is turned on.	The power cable is not securely connected.	See if the power cable is securely connected.
The Power Indicator lights up, but no sound is heard.	The volume is set too low.	Turn the volume up.
There is no Chorus effect obtained.	<ul style="list-style-type: none"> The Chorus Switch is turned off The Chorus Out Jack is plugged in. The Foot Switch is turned off. 	<ul style="list-style-type: none"> Push the Chorus Switch on. Disconnect the cord. Press the Foot Switch on.
Hum or noise is heard.	<ul style="list-style-type: none"> There is something wrong with the connection cord. Connections are not securely done. 	<ul style="list-style-type: none"> Exchange the connection cord. See if the cord are securely connected. Connect the power plug up side down.

	BN-60	BN-100
•Output	60W (RMS) Total distortion under 5%	100 W (RMS) Total distortion under 5%
•Speaker	38 cm x 1	38 cm x 1
•Input Jacks High Gain Low Gain	-37 dBm/500 kΩ -22 dBm/50 kΩ	-36 dBm/500 kΩ -21 dBm/50 kΩ
•Controls Volume Bass Low Middle High Middle Treble	○ ○ ○ ○ ○	○ ○ ○ ○ ○
	} 4-Band Active Equalizer	
•Effects Chorus Rate Chorus Depth	○ ○	○ ○
•Switches Equalizer Bypass Chorus	ON/OFF ON/OFF	ON/OFF ON/OFF
•Jacks and Connectors Pre-out Main In Speaker Out External Speaker Chorus Out Line Out (Connector) Line Out (1/4" Phone Jack) Chorus Foot Switch	0 dBm/1 kΩ 0 dBm/50 kΩ 8 Ω Min. 8 Ω Min. ○ (Unbalanced) 0 dBm/600Ω ○	0 dBm/1 kΩ 0 dBm/50 kΩ 8 Ω Min. 8 Ω Min. ○ XLR Type (Unbalanced) 0dBm/600Ω (Unbalanced) 0 dBm/600Ω ○
•Consumption	209 VA	324 VA
•Dimensions	567(W) x 682(H) x 317(D)mm 22 3/8(W) x 26 7/8(H) x 12 1/2 (D) in	617(W) x 799(H) x 377(D) mm 24 3/8(W) x 31 7/16(H) x 14 13/16 (D) in
•Weight	27kg/59lb, 8oz	41kg/90lb, 6oz
•Accessory	Vinyl Cover	Vinyl Cover

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