

 **Roland**

BUS CONVERTER

BC-13

Owner's Manual

Thank you for purchasing the Roland Bus Converter BC-13. This can be used to connect the GK-1 or a G-Series Guitar Controller (G-707, G-202, G-303, G-505 or G-808) to the GR-50. Please read this owner's manual carefully before using the BC-13.

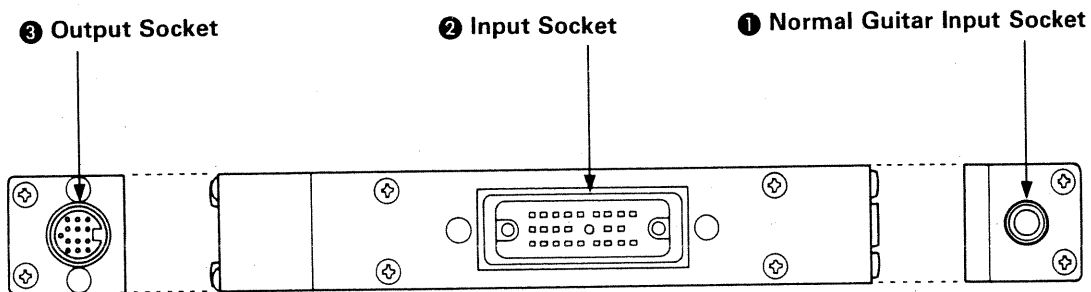
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■ IMPORTANT NOTES

- To connect the BC-13 to the GR-50, be sure to use the C-13A cable supplied with the GR-50. Using any other cable will lead to problems.
- The BC-13 can only be connected with the GR-50. Connecting it to any other unit will lead to problems.
- When connecting the BC-13 to the GR-50, be sure that the GR-50 is switched off.
- The exclusive cable (C-13A, C-24G) is a lock type cable, and therefore cannot be disconnected unless it is unlocked.
- Handle the cables gently.
- Do not use this unit in the following conditions of:
 - excessive heat (where it may be affected by direct sunlight or a heater)
 - excessive humidity
 - where it may be affected by dust
- For cleaning use a soft cloth.
- When you use a mild detergent for cleaning this unit, be sure to wipe it with a dry cloth afterwards.
- Do not use solvents such as paint thinner or alcohol when cleaning.
- If this unit does not work properly, switch it off immediately, then call your local Roland service center.

1 Sockets



1 Normal Guitar Input Socket

Normal guitar signals are input through this socket. When using a G-Series guitar, connect the Normal Socket on the guitar to this socket. When using the GK-1, you may connect the Normal Socket on the guitar to the Normal Guitar Input Socket on the GK-1 instead of the above setup. Use the cable supplied with the GK-1.

2 Input Socket (24 pins)

Signals (for playing a synthesizer) are input from a G-Series guitar or a GK-1's divided pickups through this socket. Connect the guitar to the BC-13 with the C-24G cable.

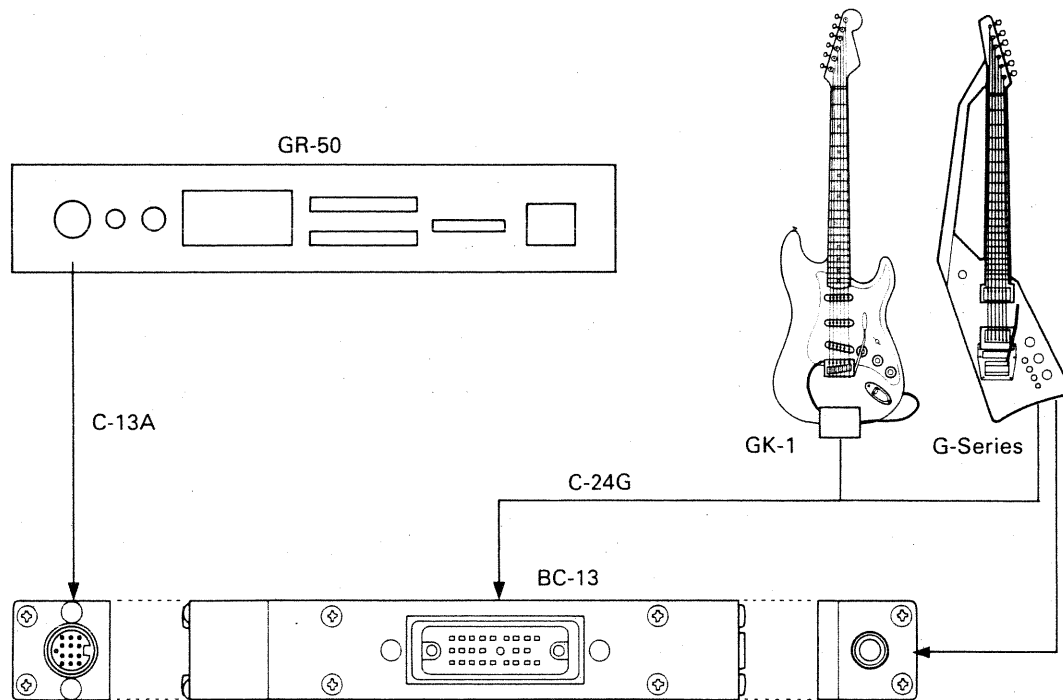
* Do not use any cable other than the C-24G, the Roland GR connection cable.

3 Output Socket (13 pins)

Signals from a normal guitar and divided pickups are output through this socket. Connect the GR-50 to this socket with the C-13A cable.

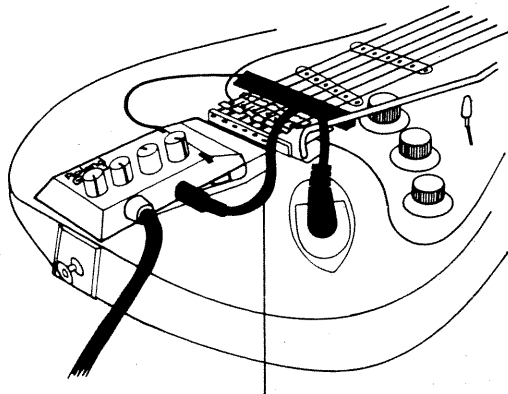
2 Operation

1. Connections



- ① Connect a G-Series guitar or the GK-1 to the BC-13 as shown above.

* When using the GK-1, input normal guitar signals to the GK-1's Normal Guitar Input Socket with the cable supplied with the GK-1.



Cord For Normal Guitar Signals

- * When using a G-Series guitar, the Normal Guitar Input Socket feeds normal guitar sounds. Without this connection, normal guitar sound will be available, but you will not be able to control the volume with the Volume Knob on the guitar.

- * When connecting to the Input Socket (24 pins), do not use any cable other than the C-24G cable. To disconnect this cable, you must unlock it. (Roland GR connection cables such as the C-24D can be connected, but this is not a good idea, as they are not lock type cables.)

② Make sure that the GR-50 is switched off, then connect the GR-50 to the BC-13 as shown above using the C-13A cable which is supplied with the GR-50.

* Do not use any cable other than the C-13A or problems may result.

* The C-13A, the cable supplied with the GR-50, is a lock type cable and therefore cannot be disconnected unless it is unlocked. Pulling it hard without unlocking it will only damage it.

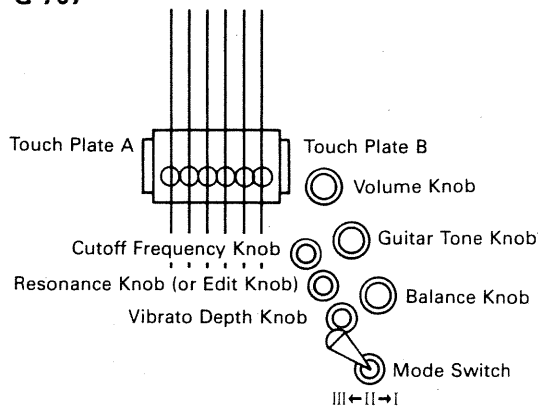
③ Switch on the GR-50.

2. Switch Functions

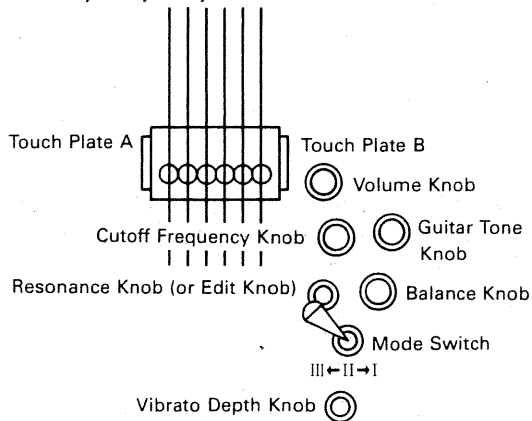
The following switches can be used for controlling the GR-50 with the GK-1 or a G-Series Guitar Controller (G-707, G-202, G-303, G-505 or G-808).

[When using a G-Series Guitar]

G-707



G-202, 303, 505, 808



* The Balance Knob, Vibrato Depth Knob and Touch Plates A/B cannot be used.

- **Volume Knob**

This controls the volume of the guitar's normal sound.

* This knob does not work unless the Normal Guitar Socket on the guitar is connected to the Normal Guitar Input Socket on the BC-13.

- **Guitar Tone Knob**

This controls the tone of the guitar's normal sound.

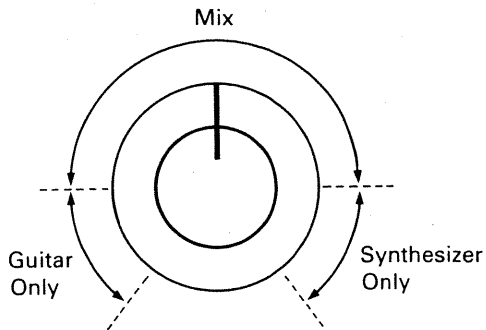
* This knob does not work unless the Normal Guitar Socket on the guitar is connected to the Normal Guitar Input Socket on the BC-13.

- **Cutoff Frequency Knob**

* This controls the volume of the signal sent from the divided pickups.

- **Resonance Knob (or Edit Knob)**

This selects one of the three types of signal output by the G-Series guitar: normal guitar sound only (Guitar), normal guitar sound mixed with the signal from the divided pickups or the divided pickup signal only (Synth). Set the position of the knob, depending on which output you want, as shown below.



For Guitar or Synth only outputs, rotate the knob to the fully clockwise or counter-clockwise positions, and for the Mix output, set it to the center position.

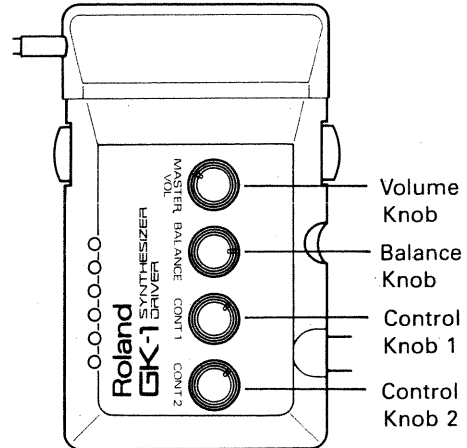
• **Mode Switch**

This allows you to assign various functions to the switches. The assignable functions are as shown below:

Mode Switch I (S1)	Mode Switch III (S2)
Off	Off
Patch Chain Down	Patch Chain Up
Modulation	Modulation
Sostenuto-S	Sostenuto-S
Octave Up	Octave Up

- * The Sostenuto-S shown above is quite different from MIDI Sostenuto messages.
- * When the GR-50 is in an Edit mode, these switches work just like the VALUE button on the GR-50, allowing you to change the values of the current parameter.
- * For a detailed explanation, see "Control Assign" in the GR-50's Owner's Manual.

[When using the GK-1]



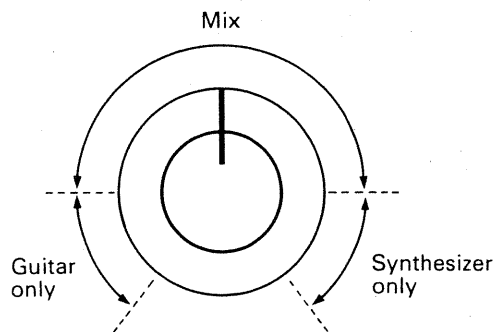
* The Volume Knob and Balance Knob cannot be used.

• **Control Knob 1**

This controls the volume of the signal sent by the divided pickups.

• **Control Knob 2**

This selects one of the three types of signals output by the GK-1: normal guitar sound only (Guitar), normal guitar sound mixed with the signal from the divided pickups or the divided pickup signal only (Synth). Set the position of the knob, depending on which output you want, as shown below.



For Guitar or Synth only outputs, rotate the knob to the fully clockwise or counter-clockwise positions, and for the Mix output, set it to the center position.

- **For switches and knobs on a guitar which is set up with the GK-1; such as the Tone Knob, Volume Knob, etc.:**

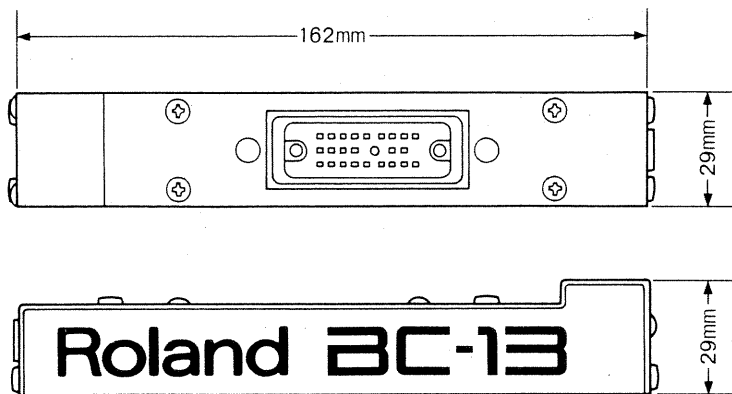
* The switches and knobs will not work unless the guitar's normal sound is being input to the GK-1 or BC-13.

■ Specifications

BC-13: Bus Converter

Normal Guitar Input Socket
Input Socket (24 pins)
Output Socket (13 pins)

Dimensions: See below



Weight: 170g

Accessory
Owner's Manual

OUTPUT AND SENSITIVITY ADJUSTMENTS

To play the GR-50 with the GK-1 or a G-series guitar, you need to adjust the output level of each divided pickup and the sensitivity of the GR-50. These adjustments are very important for taking the full advantage of the GR-50's superior tracking. Please read the GR-50 owner's manual on page 21.

CORRECTION

Please correct the BC-13 owner's manual as follows:
P. 6 on the right column • Cutoff Frequency Knob

(Wrong)

This controls the volume of the signal sent from the divided pickups.

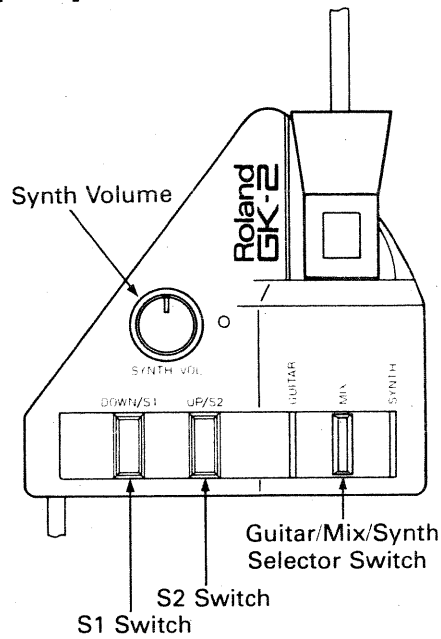
(Correct)

This controls the overall volume of the GR-50's synthesizer sound.

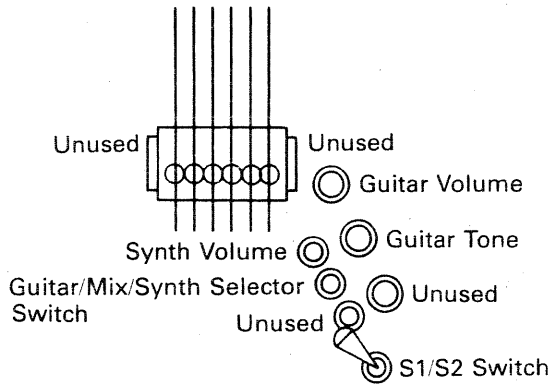
FUNCTIONS OF GUITAR'S SWITCHES

The switches of the GK-1, GK-2 and G-series guitars function as follows:

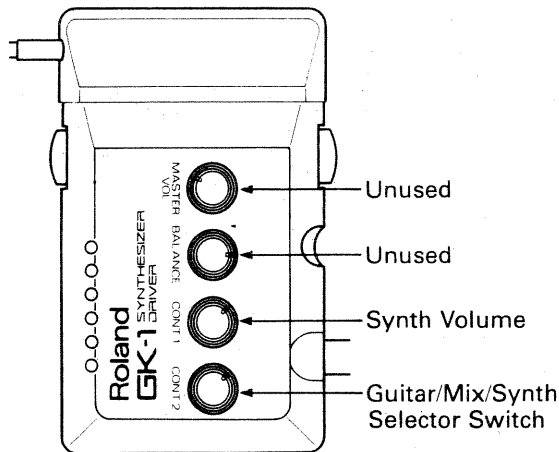
[GK-2]



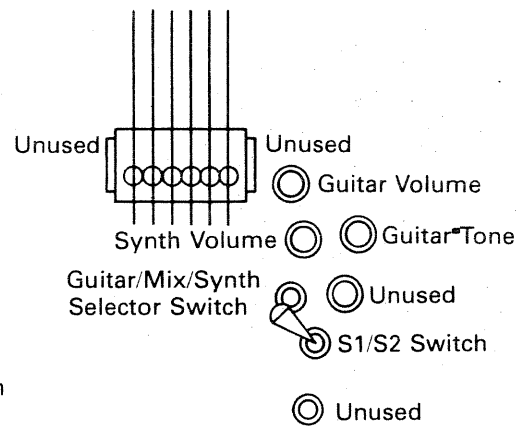
[G-707]



[GK-1]



[G-202, 303, 505, 808]



* The S1/S2 switch cannot be used on the GK-2.

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BC-13

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