

# GK-KIT-G DIVIDED PICKUP KIT

# Roland®

Before using this unit, carefully read the sections entitled: "USING THE UNIT SAFELY" and "IMPORTANT NOTES." These sections provide important information concerning the proper operation of the unit.

The Owner's manual should be saved and kept on hand as a convenient reference.

## IMPORTANT NOTES

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In addition to the items listed under "USING THE UNIT SAFELY," please read and observe the following:

To install the GK-KIT-G to the guitar, you will need to have basic electronic construction, soldering and wood-working skills and associated tools such as an appropriate soldering iron, drill and assorted drill bits. Please contact your retailer if you have difficulty performing the installation.

Roland assumes no liability concerning any damage to the guitar and GK-KIT-G upon installing the GK-KIT-G. Please proceed with the installation using caution and care at your own risk.

### Placement

To avoid possible breakdown, do not use the unit in a wet area, such as an area exposed to rain or other moisture.

### Sensitivity Adjustment

To properly drive the [GR] with the GK-KIT-G, you must adjust the height of the Divided Pickup and the sensitivity of the [GR]. These adjustments are very important if you want to take full advantage of the [GR]'s superior tracking ability. Please read the GK-KIT-G and [GR] owner's manuals.

### C-13A/B cable

Be sure to use the C-13A/B cable to connect the GK-KIT-G to the [GR]. Using any other cable may cause unnecessary problems.

The C-13A/B is a locking-type cable which cannot be disconnected unless it is unlocked.

Before playing, be sure to wrap the cable around the guitar strap near the strap hook. This will eliminate any unnecessary strain on the cable or the GK-KIT-G.

### Divided Pickup

To avoid damage, be sure there is no unnecessary strain on the cable that connects the Pickup and the Controller.

Never bend, twist or otherwise place undue pressure on the Pickup. Be especially careful when removing it. Also, make sure no force is applied to the 'yokes.'

### Additional Precautions

Before setting up the GK-2A-KIT with the [GR], turn the [GR] off.

To avoid the risk of damage to internal components that can be caused by static electricity, please carefully observe the following whenever you handle the board.

Before you touch the board, always first grasp a metal object (such as a water pipe), so you are sure that any static electricity you might have been carrying has been discharged.

When handling the board, grasp it only by its edges. Avoid touching any of the electronic components or connectors.

## Installation

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- Even when properly installed, the GK-KIT-G will not work with 12-string guitars, guitars with unusual or customized string setups, nylon-string guitars, gut-string guitars, or bass guitars.
- If your guitar has a tremolo arm (whammy bar), attach the arm before setting up the GK-KIT-G.
- Adjust the neck (truss rod) and the height of the strings if necessary before installing the GK-KIT-G.
- Try placing the Divided Pickup on the guitar to see if they are compatible before actually attaching them.
- If there is no room for the Divided Pickup between the guitar's bridge pickup and the bridge itself, you would be better off modifying your guitar. (If possible, move the bridge pickup closer to the neck to make room for the Divided Pickup).

- \* In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.

# Owner's Manual

Thank you for purchasing the Roland GK-KIT-G, a divided pickup kit.

When properly installed, the GK-KIT-G can turn virtually any electric guitar into a controller for Roland's GR Guitar Synthesizers or Roland's V-Guitar System.



To ensure proper installation – which is critical – and operation, please read this owner's manual carefully.

Wherever [GR] is mentioned in this manual, it refers to either the Roland Guitar Synthesizer or the Roland V-Guitar System.







## 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**

- Before using this unit, make sure to read the instructions below, and the Owner's Manual. 
- Do not open or perform any internal modifications on the unit. (The only exception would be where this manual provides specific instructions which should be followed in order to put in place user-installable options) 
- Do not attempt to repair the unit, or replace parts within it (except when this manual provides specific instructions directing you to do so). Refer all servicing to your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page. 

#### **WARNING**

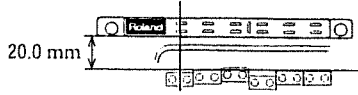
- Never use or store the unit in places that are:
  - Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are 
  - Damp (e.g., baths, washrooms, on wet floors); or are 
  - Humid; or are
  - Exposed to rain; or are
  - Dusty; or are
  - Subject to high levels of vibration.
- In households with small children, an adult should provide supervision until the child is capable of following all the rules essential for the safe operation of the unit. 

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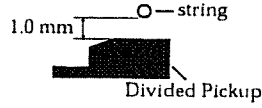
- Protect the unit from strong impact. (Do not drop it!) 

# Divided Pickup

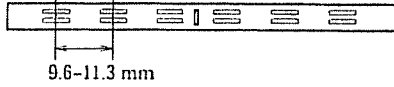
1. The "Roland" should emerge from under sixth string.
2. Do not locate the Divided Pickup more than 20 mm from the bridge.



3. The optimum distance between the Pickup and each string is about 1.0 mm when the highest notes on the neck are fingered.



4. Each string should be placed on slit of divided pickup surface.

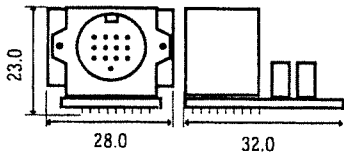


- \* If you set the interval between each string within 9.6-11.3 mm, strings will be placed inside slit with parallel between bridge and pickup.
- \* Set the interval at 10.6 mm, then each string will be placed at center of slit.
- \* In case interval would be more narrow than 9.6 mm and string can not be placed at center of slit, tilt the divided pick up for adjustment.

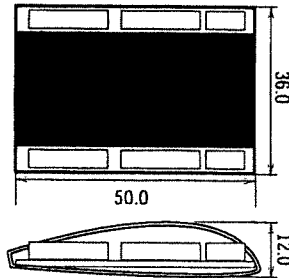
## Dimensions

Unit : mm

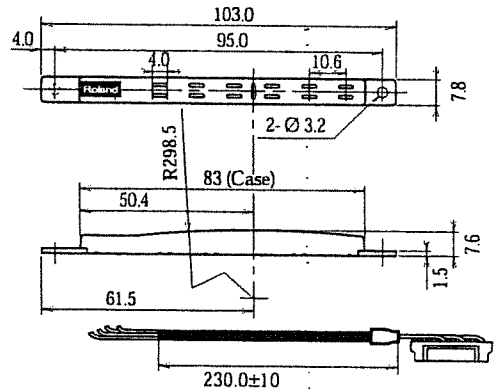
### • GK CONNECTOR BOARD



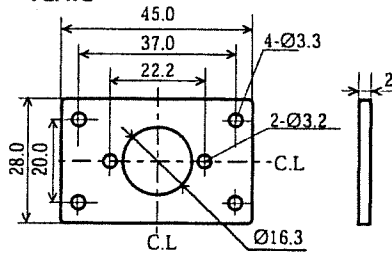
### • AMP BOARD



### • DIVIDED PICKUP



### • PLATE

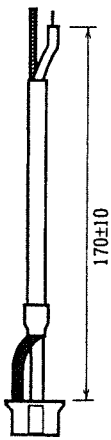


### • SCREW

For GK Connector and the board.

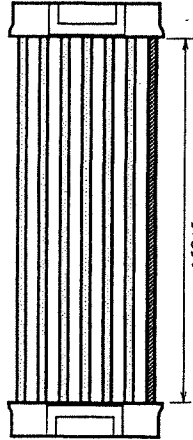
### WIRINGS

#### • FOR GUITAR SIGNAL



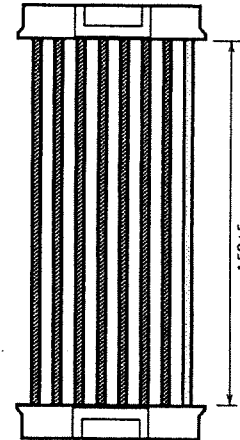
- 1: N.C.
- 2: WHITE
- 3: BLACK

#### • FOR GK CONNECTOR-A



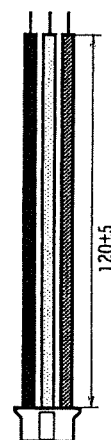
- 1: RED
- 2-7: WHITE

#### • FOR GK CONNECTOR-B



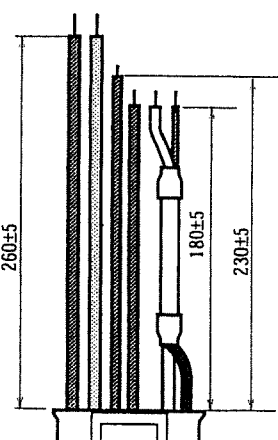
- 1: YELLOW
- 2-8: BLUE

#### • FOR SYNTH VOLUME



- 1: RED
- 2: WHITE
- 3: BLACK

#### • FOR SWITCH, LED



- 1: BLACK
- 2: WHITE
- 3: RED
- 4: BLUE
- 5: YELLOW
- 6: ORANGE

# Supplied parts contents

- DIVIDED PICKUP...1
- AMP BOARD...1
- GK CONNECTOR BOARD...1
- PLATE...1
- SCREW...2

## WIRINGS

- FOR GK CONNECTOR-A 7 pins...1
- FOR GK-CONNECTOR-B 8 pins...1
- FOR SYNTH VOLUME 3 pins...1
- FOR GUITAR SIGNAL 2 pins...1
- FOR SW, LED 6 pins...1

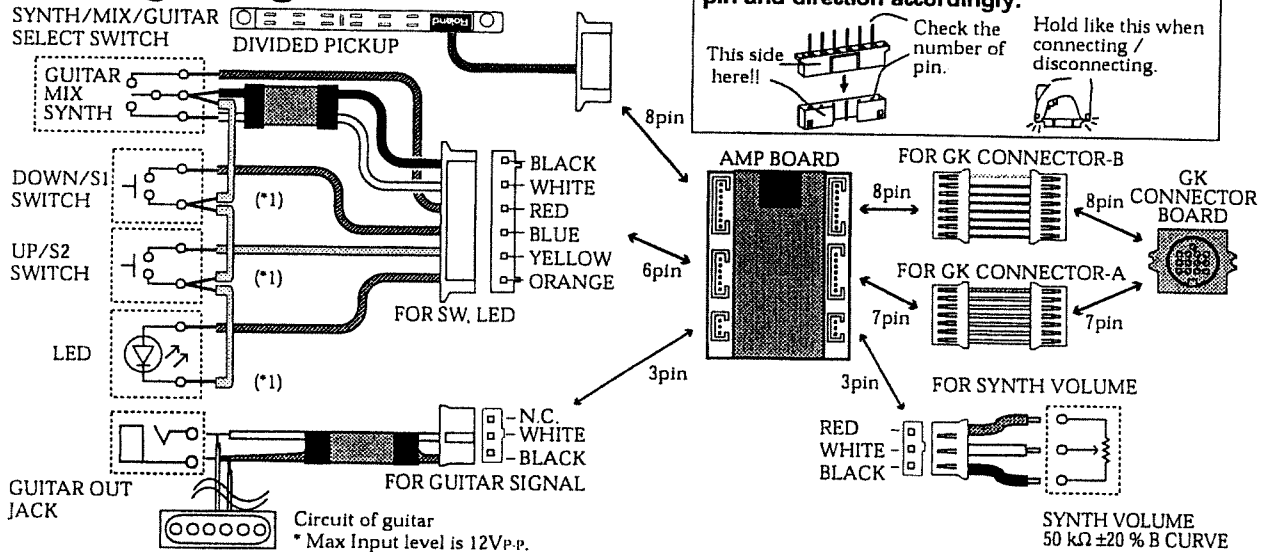
# Parts should be arranged separately

\* The ones with [ ] indicated in the figure.

- SYNTH VOLUME (50kΩ ±20 % B CURVE)...1
- LED...1
- DOWN/S1, UP/S2 SWITCH (MOMENTARY TYPE SWITCH)...2
- SYNTH/MIX/GUITAR SELECT SWITCH (3 connectable ports per circuit)...1
- Screw...2
- WIRING FOR GND...3

Must obtain SYNTH VOLUME/SELECT SWITCH/S1 SWITCH/S2 SWITCH/LED separately and fix them on the guitar. Without these parts, the GR Guitar Synthesizer or V-Guitar System may not be controlled properly.

## Wiring Diagram



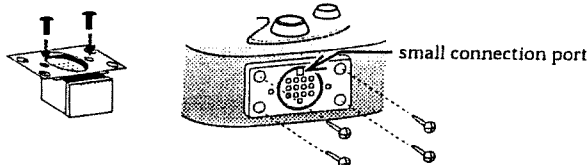
## Installation Notes

### FOR SYNTH VOLUME WIRING

1. Solder each signal wire of synth volume wiring with volume 50 kΩ ±20 % B Curve.

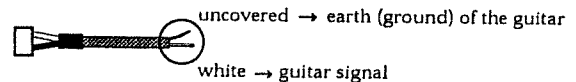
### GK CONNECTOR BOARD

1. Attach the connector to the plate with the supplied screws.
  2. Attach the plate to the guitar with the screws.
- \* Mount GK Connector board so that small connection port should be placed top toward guitar surface.



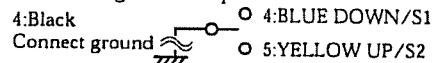
### FOR GUITAR SIGNAL WIRING

1. Do not exceed 12Vp-p for input signal level.
2. Solder uncovered wire (silver) to the earth (ground) of the guitar.
3. Solder the white wire to the guitar signals.



### FOR DOWN/S1, UP/S2, LED, SELECT SWITCH WIRING

1. Ground wire for each wiring is common. Do wiring as (\*).  
\* Do not take power source from this circuit except for LED.
2. Using rebounding switch of 3 connectable port per circuit for DOWN/S1, UP/S2, mounting can be simpler.



\* In case of above, it is not possible to use simultaneous pressing for DOWN/S1 and DOWN/S2 switches.

## About Transcription for Each Controller

When you transcribe each controller into guitar itself or owner's manual, please transcribe as below:

SYNTH VOLUME	...SYNTH VOL	UP/S2 SWITCH	...UP/S2
DOWN/S1 SWITCH	...DOWN/S1	SELECT SWITCH	...GUITAR
			...MIX
			...SYNTH



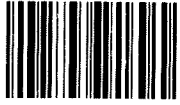
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