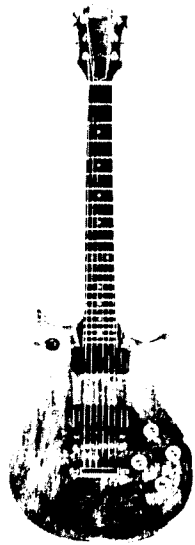


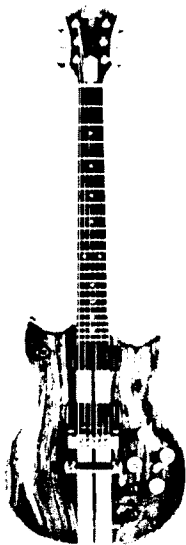
 Roland

Guitar Controller

G-303/808 OWNER'S MANUAL



G-303



G-808


Guitar Synthesizer

NAME OF CONTROLS

**GUITAR PICKUP
SELECTOR**

**HUMBUCKING
PICKUP**

**DIVIDED
PICKUP
BRIDGE**

TAILPIECE

MASTER VOLUME

VCF CUTOFF FREQUENCY

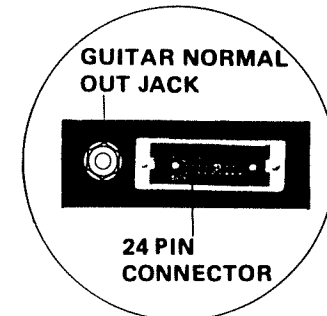
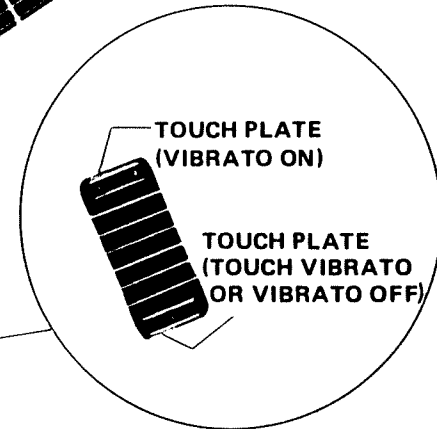
GUITAR TONE

GUITAR-SYNTHESIZER BALANCE

VIB DEPTH

VOICE SELECT

VCF RESONANCE



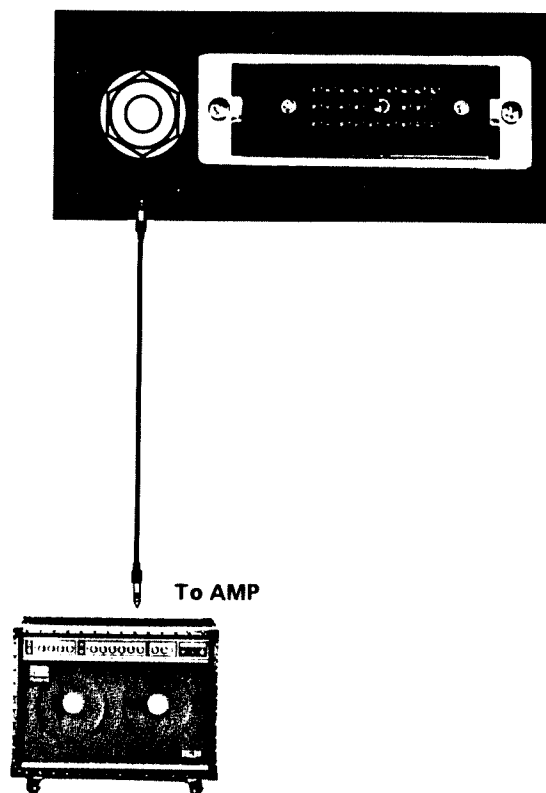
FEATURES

- The G-303 and G-808 Guitar Controllers are tuned and played in exactly the same manner as an ordinary electric guitar.
- VCF cutoff frequency and resonance, vibrato ON/OFF, etc. are controlled from the guitar.
- Two humbucking pickups for good normal guitar sound.
- Can be used as a normal guitar without the Guitar Synthesizer.

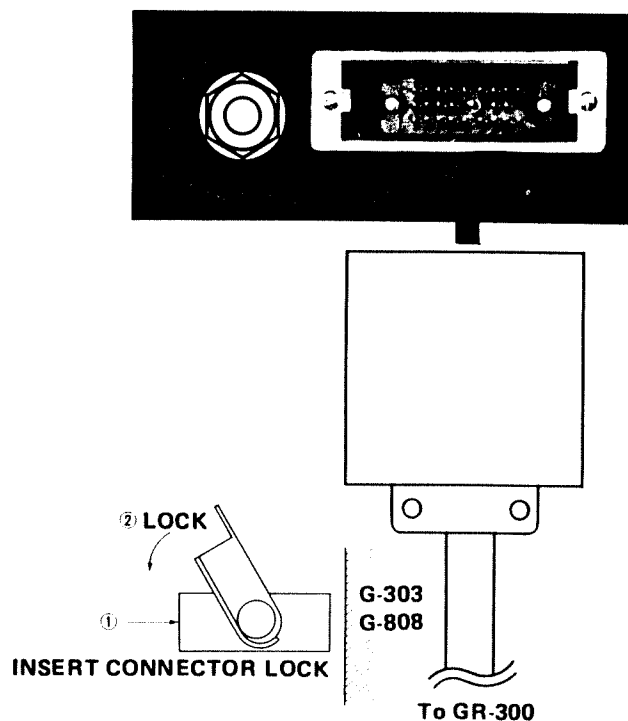
- Newly designed divided humbucking pickup for improved noise rejection.
- Arched body shape, like a violin.
- Vibrato ON/OFF touch plates for simple guitar-like control of synthesizer vibrato effects.

Other types of the GR-Series (e.g. GR-100) can be used with this Guitar Controller. In that case, refer to the respective owner's manuals.

Using the Guitar Controller as an electric guitar.



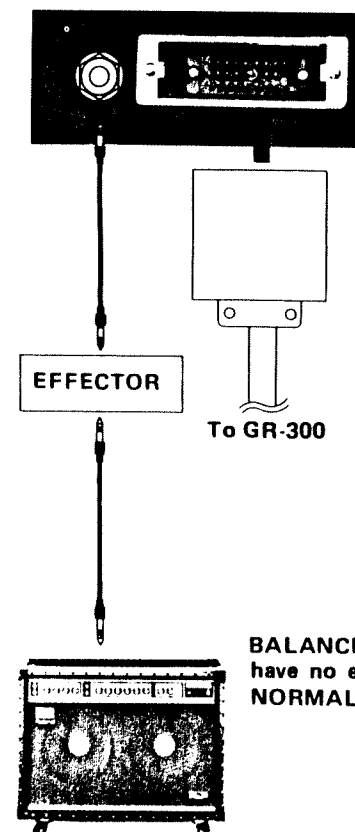
Using the GR-300 GUITAR SYNTHESIZER



CAUTION

- When storing the Guitar Controller in its case, leave the strings tightened as when playing.
- To maintain good sound quality, do not allow the strings to become too old before replacing.
- Extreme temperatures and humidity will damage the Guitar Controller. Keep salt from snacks such as peanuts or popcorn away from all connectors and jacks.
- The G-303 and G-808 Guitar Controllers cannot be used with the GR-500.

The NORMAL OUTPUT jack may be used simultaneously with the GR-300 Guitar synthesizer.



USING THE GUITAR CONTROLLER AS AN ELECTRIC GUITAR

The Guitar Controller can be used as an ordinary dual humbucking pickup electric guitar without connecting it to the GR-300 Guitar Synthesizer. For this purpose, use the NORMAL OUTPUT jack.

Use the PICKUP SELECTOR switch to select the desired pickup. Use the MASTER VOLUME

and TONE controls to control the guitar volume and tone.

The NORMAL OUTPUT jack may also be used when using the G-300 Guitar Synthesizer. The MASTER VOLUME and TONE controls will work as above, but the BALANCE control will have no effect on the NORMAL OUTPUT sound.

GUITAR PICKUP
SELECTOR

HUMBUCKING
PICKUP

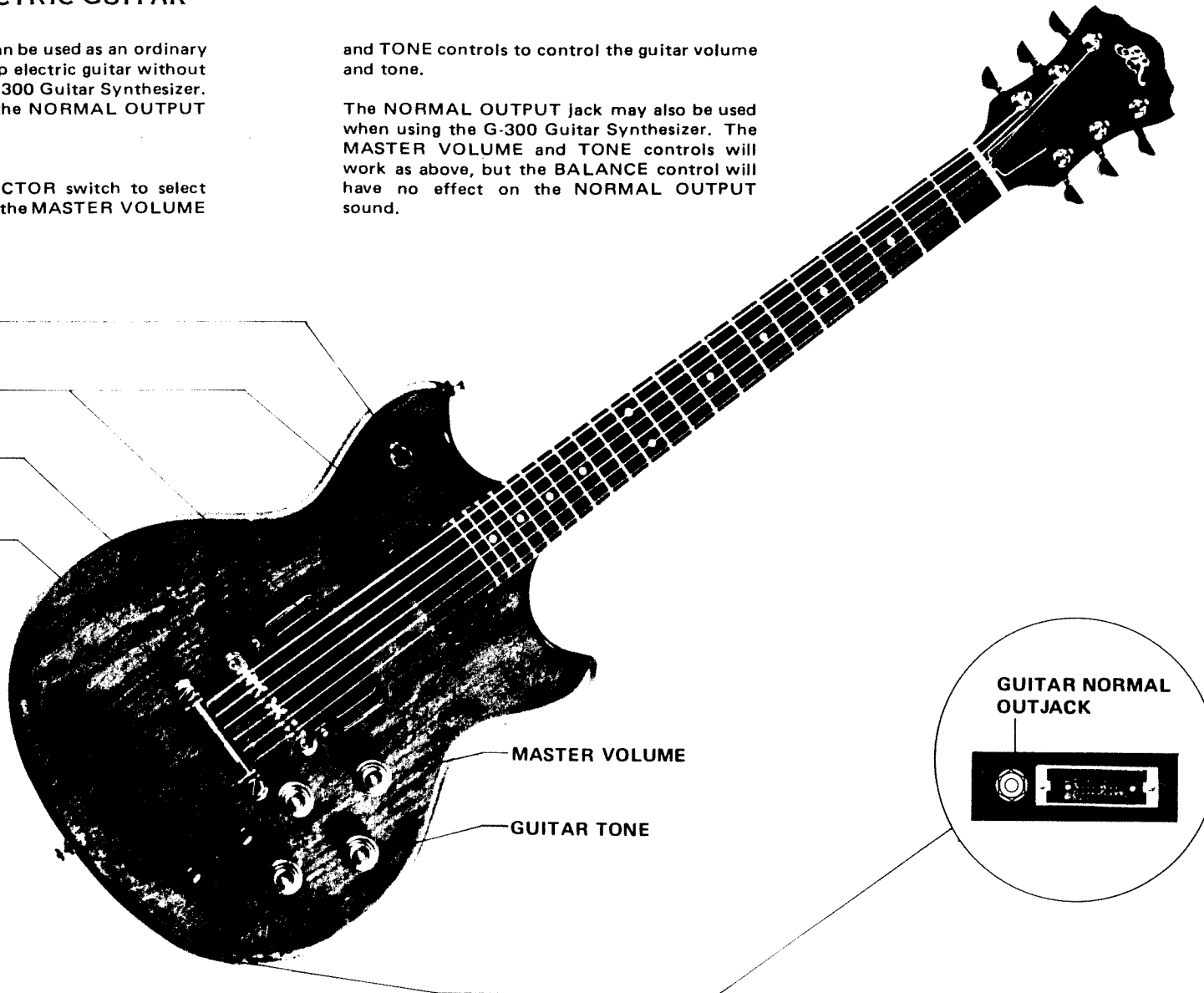
BRIDGE

TAILPIECE

MASTER VOLUME

GUITAR TONE

GUITAR NORMAL
OUTJACK



USING THE GR-300 GUITAR SYNTHESIZER

The Guitar Controller is connected to the Guitar Synthesizer with the 24-conductor cable. To connect, lift the locking lever, insert the connector plug firmly, then push the locking lever down. Save the rubber cover to protect the connector socket when it is not in use.

After connecting the Guitar Controller to the Guitar Synthesizer, and after connecting the Guitar Synthesizer output to an amplifier, turn on the power switch.

The GR-300 Instruction Manual contains details for operating the controls. Given here are the Guitar Controller controls and their basic functions.

• MASTER VOLUME and GUITAR TONE

The MASTER VOLUME control controls the overall sound level from the guitar and synthesizer. The TONE control controls the tone of the guitar sound.

• GUITAR-SYNTHESIZER BALANCE

The BALANCE control is used to set the balance between the guitar sound and the synthesizer sound. Turn counterclockwise to increase the guitar sound and clockwise to increase the synthesizer sound. Somewhere in between, both sounds will be equal in volume. The exact balance point will change and depends on the VCF CUTOFF FREQ control setting.

• VCF CONTROLS

The VCF CUTOFF FREQ and RESONANCE controls are the two synthesizer VCF (voltage controlled filter) controls. The CUTOFF FREQ control controls the cutoff point of the VCF, the cutoff point determining the tone color of the synthesizer sound. High produces a hard sound; low produces a soft sound. The RESONANCE control is used to accent the frequencies at the cutoff point of the VCF to add strong coloration to the tone color of the sound.

• VIBRATO ON/OFF

A vibrato effect can be added to the synthesizer VCO's (voltage controlled oscillators). The ON/OFF function of the vibrato is controlled by the touch plates located on each side of the humbucking pickup nearest the bridge.

One touch of the upper touch plate will turn the continuous vibrato effect ON.

The lower touch plate is used for one-touch vibrato: vibrato will be produced only as long as the plate is touched. It is also used for stopping the continuous vibrato effect started with the upper touch plate. Since touching the lower plate produces vibrato, the continuous vibrato will end when the lower plate is released.

• VIBRATO DEPTH

The vibrato ON/OFF function is controlled as above, and the depth of the effect is controlled by the VIBRATO DEPTH control.

• VOICE SELECT

The VOICE SELECTOR switch determines the sound source used for synthesizing sounds. With the switch up, the source of voicing is the six synthesizer VCO's and the fundamental pitch extracted from the guitar string sounds. With the switch down, the voicing comes from the six distortion circuits. At center, the source is a combination of the two above positions.

NOTE:

The operation of the touch plates depends on using the body of the player to form a bridge between the plate and electrical ground. When stopping strings with the left hand, there is no problem because the left hand fingers are touching the strings which are metal and at ground potential. With vibrato effects on open strings, it may become necessary for the player to form a bridge to ground. This can be done by touching bare skin to any metal part of the Guitar Controller (or Guitar Synthesizer) while simultaneously touching the plate. For example, the right hand could touch the plate and the bridge or strings, or the left hand could touch an unused string or any part of the tuning machine.

SPECIFICATIONS

G-303.808 OWNER'S MANUAL '82 Oct.

| | G-303 | G-808 |
|----------------------|----------------------------------|-------------------------------------|
| BODY | Maple, Mahogany Laminate | Walnut, Ash Laminate |
| NECK | Set Neck Maple | Thru Neck Maple, Walnut Laminate |
| FINGER BOARD | Ebonized Rose Wood | Select Ebony |
| PICKUPS | Two Humbucking Divided Pickup | Two Humbucking Divided Pickup |
| BRIDGE | ST | ST |
| TAIL PIECE | LP | AM |
| MACHINE HEADS | FD-1 | FD-1 |
| HARDWARE | CHROME PLATED | GOLD PLATED |

| | | |
|-----------------|------------------------------------|---|
| CONTROLS | Total Volume | 1 |
| | Guitar Tone | 1 |
| | Guitar/Synth Balance | 1 |
| | VCF Cutoff Frequency | 1 |
| | VCF Resonance | 1 |
| | VCO/VCO-DIST/DIST SWITCH | 1 |
| | Vibrato Depth | 1 |
| | TOUCH LACH VIB SWITCH | 1 |
| | TOUCH UNLACH VIB SWITCH | 1 |

NET WEIGHT 4.2 kg

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