

KORG®

KEIO ELECTRONIC LABORATORY CORPORATION
15-12, Shimotakaido 1-chome, Suginami-ku, Tokyo Japan.

©KEIO ELECTRONIC LABORATORY CORP 1984

5910ETH PRINTED IN JAPAN



KORG EFFECTS SERIES DST-3
HARD DIST
OWNER'S MANUAL

Thank you for purchasing a Korg Effects Series product.
Please read the following instructions on proper use to maintain maximum performance for many years.

FEATURES OF THE DST-3

The DST-3 Hard Dist generates heavy and "metallic" distortion effects with higher amplification of original sounds to surpass conventional distorting effect capabilities.

BEFORE USING THE EFFECTS

- 1 For extended battery life, disconnect the instrument's plug from the input jack when the effect is not being used.
- 2 A dim indicator light during effect operation indicates battery depletion. Replace the battery.
- 3 For external power supply, be sure to use Korg's AC adapter (9V, 100mA, polarity $\oplus \ominus \ominus$).

N O T I C E

Korg products are manufactured under strict specifications and voltages required by each country. These products are warranted by the Korg distributor only in each country. Any Korg product not sold with a warranty card or carrying a serial number disqualifies the product sold from the manufacturer's/distributor's warranty and liability. This requirement is for your own protection and safety.

CHART OF SETTINGS

EX.1

The setting for a "metallic" distortion effect. By turning the TONE control knob toward "10," high-pitched sounds can be emphasized.



SPECIFICATIONS

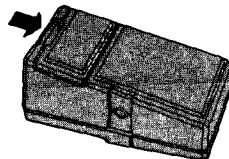
- Input impedance: 1M Ω
- Output impedance: 10k Ω
- Maximum output level: 1.3Vp-p (TONE 10, DISTORTION 10, at 250Hz)
- TONE: PEAK 1.3kHz (TONE 10, DISTORTION 10)
PEAK 200Hz (TONE 0, DISTORTION 10)
- Maximum gain: 46dB (TONE 10, DISTORTION 10, at 1.3kHz)
- Frequency response [EFFECT OFF]: 20Hz~20kHz +0/-1.5dB
- Noise level: -110dBm (equivalent input noise, TONE 10, DISTORTION 10, input short-circuited, IHF-A)
- Operating voltage: 10~7.5V
- Power consumption: 5.8mA
- Pedal switch life: Over 10,000 times of switching
- Functions: DISTORTION, TONE, EFFECT ON/OFF LE
FOOT SW, INPUT, OUTPUT
- Power supply: 006P 9V battery/DC jack
- Dimensions: 70(W) x 67(H) x 129(D)
- Weight: 450 g (including battery)

(All values are typical.)

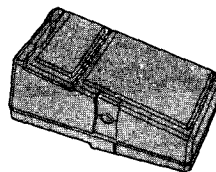
BATTERY REPLACEMENT

- If the indicator light dims, indicating battery depletion, replace the battery according to the following procedures as soon as possible.

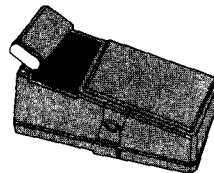
- 1 Press the battery compartment cover, at the bottom of the effect body, in direction indicated by the arrow, and remove it.



- 2 Reset the removed cover back.



Replace the depleted battery with a new one (006P 9V).



Caution:

★ If a depleted battery is left or if the effect is not used for a long period, possible chemical leakage may cause effect malfunction. Therefore, replace the depleted battery as soon as possible.

NAMES AND FUNCTIONS OF CONTROLS AND JACKS

1. AC ADAPTER JACK

Connector for AC adapter.

2. TONE

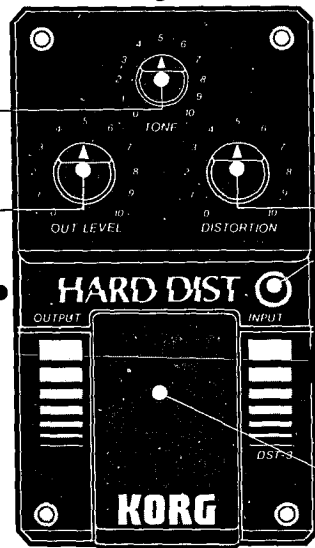
Control knob for tone. Turning toward "10" increases the brightness.

3. OUT LEVEL

Volume control knob for effect sound. Adjust the effect sound level to the original sound level, while checking both levels by turning the pedal switch on and off.

4. OUTPUT JACK

Output terminal connected to an amplifier or the like.



5. DISTORTION

Control knob for distorting amplification. Turning toward "10" increases amplification and generates more sustained sounds.

6. INDICATOR

Lights when the effect function is activated. A dim indicator light during effect operation indicates battery depletion. Replace the battery.

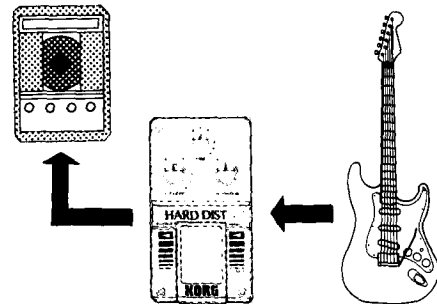
7. INPUT JACK

Connector for an electric guitar or electronic instrument. Plugging in an instrument automatically switches on effect power.

8. PEDAL SWITCH

Switch to turn the effect function on/off.

MAKING CONNECTIONS



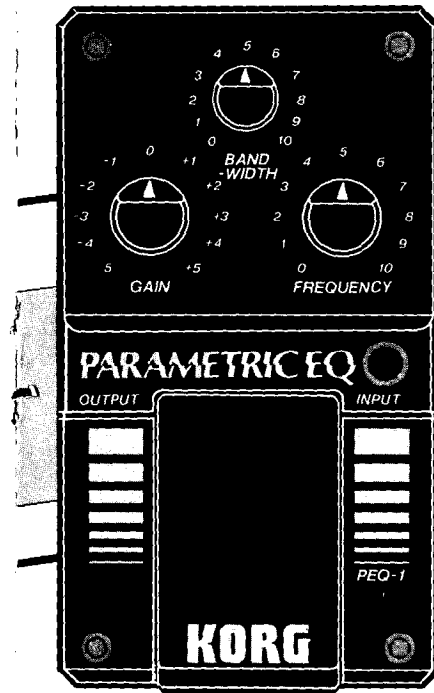
- 1 For an external power supply, be sure to use Korg's AC adapter (9V, 100mA, polarity $\oplus \ominus$).
- 2 When the effect is not being used, disconnect the instrument's plug from the input jack to save battery power.

KORG[®]

KEIO ELECTRONIC LABORATORY CORPORATION
15-12, Shimotakaido 1-chome, Suginami-ku, Tokyo Japan.

©KEIO ELECTRONIC LABORATORY CORP 1984

5910ETH PRINTED IN JAPAN



KORG EFFECTS SERIES PEQ-1 PARAMETRIC EQ

OWNER'S MANUAL

Thank you for purchasing a Korg Effects Series product.
Please read the following instructions on proper use to maintain maximum performance for many years.


FEATURES OF THE PEQ-1

The PEQ-1 Parametric Equalizer is designed for tone compensation and to create special sound effects for various instruments, including keyboards, guitars, and bass guitars.

BEFORE USING THE EFFECTS

1 For extended battery life, disconnect the instrument's plug from the input jack when the effect is not being used.

2 A dim indicator light during effect operation indicates battery depletion. Replace the battery.

3 For external power supply, be sure to use Korg's AC adapter (9V, 100mA, polarity ).

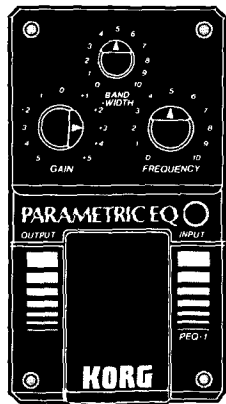
N O T I C E

Korg products are manufactured under strict specifications and voltages required by each country. These products are warranted by the Korg distributor only in each country. Any Korg product not sold with a warranty card or carrying a serial number disqualifies the product sold from the manufacturer's/distributor's warranty and liability. This requirement is for your own protection and safety.

CHART OF SETTINGS

EX.1

This setting produces an effect sound emphasizing middle tones (around 1kHz). If the PEQ-1 is used on the line before the DST-1 DISTORTION, a heavier distortion effect will be generated.



SPECIFICATIONS

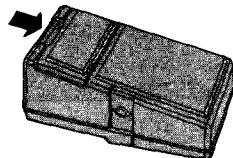
- Input impedance: 1M Ω
- Output impedance: 20k Ω
- Maximum input level: 0dBm (GAIN 0, at 250Hz)
- Maximum output level: +6dBm (GAIN +5, FREQUENCY ADJ, at 250Hz)
- Gain control: \pm 18dB (BAND WIDTH 0, FREQUENCY ADJ, -30dBm input, at 1kHz)
- Frequency control: 100Hz ~ 3.8kHz (BAND WIDTH 10, GAIN +5, -30dB input)
- BAND WIDTH: 7 ~ 1.5 octaves (GAIN +5, +3dB point width)
- Frequency response [EFFECT OFF]: 20Hz ~ 20kHz +0/-1.5dB
- Noise level: -86dBm (GAIN 0, input short-circuited, equivalent input noise, IHF-A)
- Operating voltage: 10 ~ 7.5V
- Power consumption: 15mA
- Pedal switch life: Over 10,000 times of switching
- Functions: FREQUENCY, GAIN, BAND WIDTH, EFFECT ON/OFF LED, FOOT SW, INPUT, OUTPUT
- Power supply: 006P 9V battery
- Dimensions: 70(W) \times 67(H) \times 129(D) mm
- Weight: 460 g (including battery)

(All values are typical.)

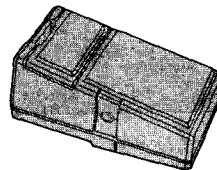
BATTERY REPLACEMENT

- If the indicator light dims, indicating battery depletion, replace the battery according to the following procedures as soon as possible.

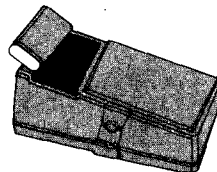
- 1 Press the battery compartment cover, at the bottom of the effect body, in direction indicated by the arrow, and remove it.



- 3 Reset the removed cover back.



- 2 Replace the depleted battery with a new one (006P 9V).



Caution:

★ If a depleted battery is left or if the effect is not used for a long period, possible chemical leakage may cause effect malfunction. Therefore, replace the depleted battery as soon as possible.

NAMES AND FUNCTIONS OF CONTROLS AND JACKS

1. BAND WIDTH

Control knob for the filter width of the center frequency preset by the **FREQUENCY** knob. Turn clockwise to decrease the width or turn counterclockwise to increase the width.

2. GAIN

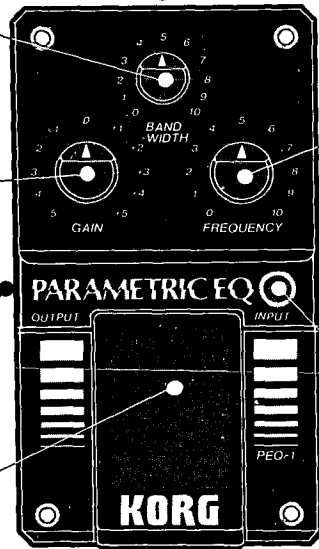
Control knob to boost or attenuate the center frequency preset by the **FREQUENCY** knob. Adjust towards "+5" to boost frequency or adjust toward "-5" to attenuate frequency.

3. OUTPUT JACK

Output terminal connected to an amplifier or the like.

4. PEDAL SWITCH

Switch to turn the effect function on/off.



5. AC ADAPTER JACK

Connector for AC adapter.

6. FREQUENCY

Control knob to set the center frequency value in a range from 100Hz (position "0") to 3.8kHz (position "10").

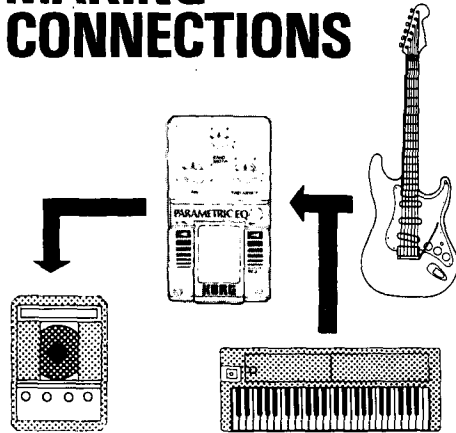
7. INPUT JACK

Connector for an electric guitar or electronic instrument. Plugging in an instrument automatically switches on effect power.

8. INDICATOR

Lights when the effect function is activated. A dim indicator light during effect operation indicates battery depletion. Replace the battery.

MAKING CONNECTIONS



- 1 For an external power supply, be sure to use Korg's AC adapter (9V, 100mA, polarity $\oplus \ominus$.)
- 2 When the effect is not being used, disconnect the instrument's plug from the input jack to save battery power.