

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 NGT-1
NOISE GATE
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 NGT-1

The NGT-1 Noise Gate is designed to filter noise produced by unplayed instruments. The NGT-1 is used for electric guitars, electronic instruments, or multi-track recording.

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 $\oplus \ominus \ominus$).

SPECIFICATIONS

- Input impedance: 1M Ω
- Output impedance: 20k Ω
- Maximum input level: +3dBm (at 250Hz)
- Maximum output level: +3dBm (at 250Hz)
- Gate operation level: 0 ~ 6mVrms (-42dBm) (at 250Hz)
- Release time: 34msec. ~ 2sec. (RELEASE TIME 0 ~ 10)
- Frequency response [EFFECT ON]: 20Hz ~ 20kHz + 0/-1.5dB
- Frequency response [EFFECT OFF]: 20Hz ~ 10kHz + 0/-4dB (-20dBm input)
- Residual noise level: -100dB (input short-circuited, IHF-A)
- Operating voltage: 10V ~ 7.5V
- Power consumption: 7.5mA
- Pedal switch life: Over 10,000 times of switching
- Functions: THRESHOLD, RELEASE TIME, EFFECT ON/OFF LED, FOOT SW, INPUT, OUTPUT
- Power supply: 006P 9V battery/DC jack
- Dimensions: 70(W) x 64.5(H) x 129(D) mm
- Weight: 450 g (including battery)

(All values are typical.)

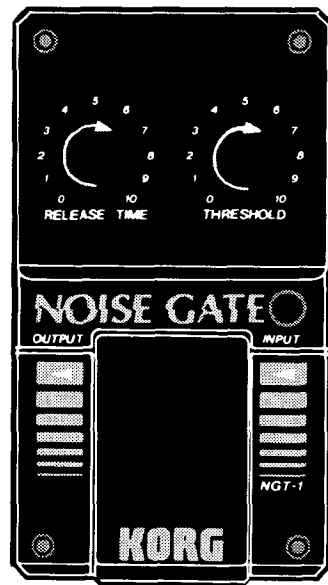
N O T I C E

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

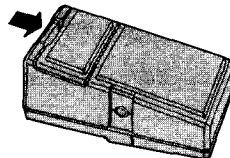
- (1) Set both the RELEASE TIME and THRESHOLD controls to "0."
- (2) While no sound are being produced by the connected instrument, slowly adjust the THRESHOLD control toward "10" until all noise is eliminated.
- (3) While producing sounds, adjust the RELEASE TIME control toward "10" until the sound trails off naturally.



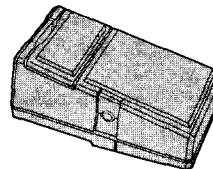
BATTERY REPLACEMENT

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

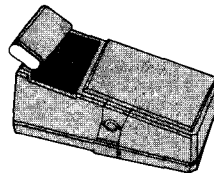
- ① Press the battery compartment cover, at the bottom of the effect body, in direction indicated by the arrow, and remove it.



- 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. AC ADAPTER JACK

Connector for AC adapter.

2. RELEASE TIME

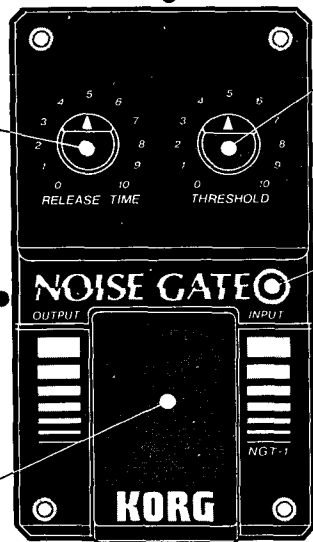
Control knob for the time period until the sound is no longer audible. Using a RELEASE TIME setting of "0," input sound becomes inaudible when its level reaches the level specified by the THRESHOLD control. To make the sound trail off naturally, tune the RELEASE TIME control toward "10" until an appropriate level is found.

3. OUTPUT JACK

Output terminal connected to an amplifier or the like.

7. PEDAL SWITCH

Switch to turn the effect function on/off.



4. THRESHOLD

Control knob for the volume level at which the Noise Gate starts operation. While no sounds are being produced by the instrument, adjust the control knob toward "10" until all noise is eliminated.

5. INDICATOR

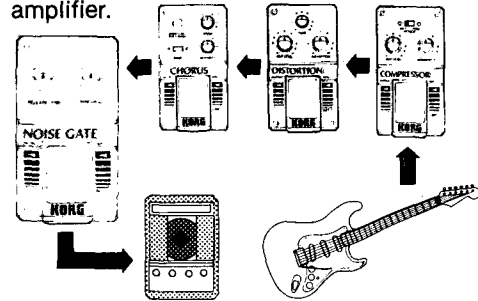
Lights when the effect function is activated. A dim indicator light during effect operation indicates battery depletion. Replace the battery.

6. INPUT JACK

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

MAKING CONNECTIONS

If multiple effects are connected on a line, connect the NGT-1 at the nearest point to the amplifier.



① For an external power supply, be sure to use Korg's AC adapter (9V, 100mA, polarity ⊕ ⊖ ⊖ ⊕.)

② When the effect is not being used, disconnect the instrument's plug from the input jack to save battery power.