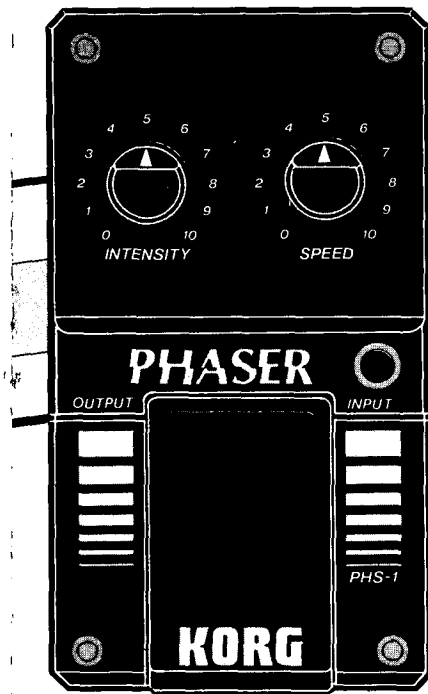


KORG®

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 PHS-1
PHASER
OWNER'S MANUAL

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

FEATURES OF THE PHS-1

The PHS-1 Phaser generates colorful effects by shifting original sound phases. Unique IC design provides low-noise phase-shifting effects with a broad sweep width.

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 ).

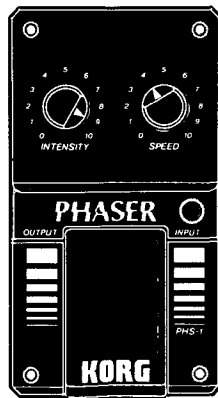
N O T I C E

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

The setting for an applicable phasing effect for percussive guitar strumming or backup keyboards. Set the SPEED control knob to the tempo of the song being played.



SPECIFICATIONS

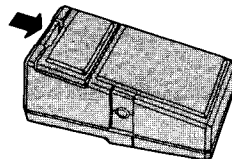
- Input impedance: 1M Ω
- Output impedance: 1k Ω
- Maximum input level: 0dBm (at 250Hz)
- Maximum output level: +5dBm (at 250Hz)
- Phase shift: 720°
- Modulation speed: 0.2Hz ~ 10Hz
- Frequency response [EFFECT OFF]: 20Hz ~ 20kHz +0/-1.5dB
- Residual noise level: -100dBm (input short-circuited, IHF-A)
- Operating voltage: 10 ~ 7.5V
- Power consumption: 12.5mA
- Pedal switch life: Over 10,000 times of switching
- Functions: SPEED, INTENSITY, 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.)

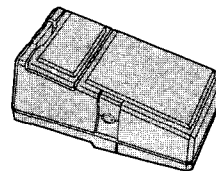
BATTERY REPLACEMENT

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

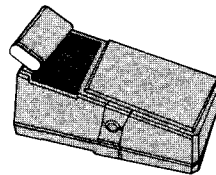
- 1 Press the battery compartment cover, at the bottom of the effect body, in direction indicated by the arrow, and remove it.



- 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. INTENSITY

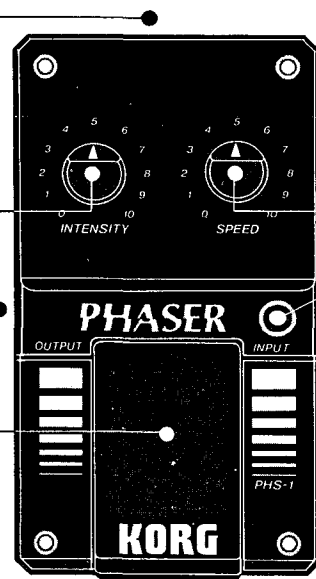
Control knob for the degree of phasing effect. Turning toward "10" will increase the phasing effect.

3. OUTPUT JACK

Output terminal connected to an amplifier or the like.

4. PEDAL SWITCH

Switch to turn the effect function on/off.



5. SPEED

Control knob for the phasing speed. Turning toward "10" increases the speed.

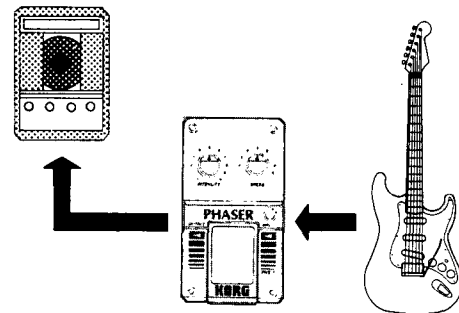
6. INDICATOR

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

7. INPUT JACK

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 $\oplus \ominus \ominus$).
- 2 When the effect is not being used, disconnect the instrument's plug from the input jack to save battery power.