PRECAUTIONS AGAINST STATIC ELECTRICITY
Presence of static electricity may cause POLY-800 to work improperly. Connect the instrument to the amplifier and/or other devices before turning the Power Switch ON.

In case of malfunction, refer to page 38 to re-load the data.

VORSICHTSMASSNAHMEN GEGEN STATISCHE ELEKTRIZITÄT
Statische Elektrizität kann dazu führen, daß der POLY-800 nicht richtig funktioniert. Anschlüsse an den Verstärker und/oder andere Geräte nur dann vornehmen, wenn der Netzschalter des Instruments ausgeschaltet ist.

Bei Nichtfunktionieren auf Seite 38 nachlesen und die Daten nochmals eingeben.

PRECAUTIONS CONTRE ELECTRICITE STATIQUE
Il y a des cas que le POLY-800 fonctionne mal à cause de la électricité statique. Pour éviter ce cas, ne mettre jamais l'interrupteur à la position "mise en fonction" avant que le POLY-800 ne soit bien connecté à un ampli ou autre.

Si une érreur de fonction apparaît, recharger des donnée au POLY-800 en se référant à la page 38.

PREVENCION DE ELECTRIFICACION ESTATICA
La electrificación estática traía la malfunción del POLY-800. Debe conectarlo al amplificador u otros aparatos antes que se alimente.

En caso de la malfunción, debe cargar los datos de nuevo en referencia de página 38.

Connection Chart

Connection Chart

1. DC 9V terminal for operation on AC current using exclusive adaptor.
2. Headphone jack
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4. Program write enable/disable switches allow indepencent program storage for synth sounds and sequencer data.
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OPTIONS

ST-8 STAND

KH-1 STEREO HEADPHONES

MIDI CONNECTION CORD

KEYBOARD STRAP

HARD CASE

LIGHT BAG

Another KORG Breakthrough in Polyphonic Synthesizers

KORG POLY-800

PROGRAMMABLE POLYPHONIC SYNTHESIZER

KORG®

KEIO ELECTRONIC LABORATORY CORP.

World's First Affordable 8-Voice 64-Program Polyphonic Synthesizer

KORG POLY-800

A Close Look at POLY-800 Features

1 VOLUME
Also turns on power.

2 TUNE
Slider provides easy tuning to other instruments.

3 JOYSTICK
Left & right motion bends the pitch of any notes played. Up & down motion produces vibrato and filter modulation effects.

4 BEND
Sets maximum pitch bend depth.

5 SEQUENCER

J VALUE
Shows value for selected parameter; can be changed by Up and Down buttons.

K BANK HOLD
Allows quick single-button access to programs or parameters within the same bank.

L DISPLAY
6 large LED digits provide complete data read out.

8 PARAMETER TABLE
Displays all POLY-800 program parameters (Waveform, Cutoff frequency, etc.) which are used to create different

6 Parameter Digital Envelope Generators for Most Flexible Articulation

Newly Developed ADBSSR System

See graphs below.

1 ATTACK
Rate at which the maximum peak is reached.

2 DECAY
Rate used to travel from the attack peak to the Break Point level.

3 BREAK POINT

Built-in Polyphonic Sequencer for Automatic Play

Writing Sequences

Determine smallest time value. This will be the value of one STEP.

Example:

Here the smallest is a 16th note.

1) Set rear panel Sequencer WRITE switch to ENABLE position.
2) Press START/STOP.

Create Original Sounds Quickly & Easily

1) Choose a program from the memory that is reasonably close to the sound you want.
2) Press PROG/PARA to select the Parameter mode (numbers appear in Parameter no. and Value displays).
3) Select a Parameter Number from the Parameter Table and enter it using the eight number buttons (for example, VCF Cutoff is 41).

1) type of record jack.
2) Set tape recorder volume to medium level.
3) Set rear panel TAPE and WRITE switches to ENABLE positions.
4) Press front panel LOAD button.
5) Start tape playback.
6) Display will show "Good" if data loading was successful.
7) Stop tape and set rear panel TAPE and WRITE switches to DISABLE positions.
8) If display shows "Err" (for error), press CANCEL and try again with tape volume at a different level. Repeat steps 3 – 5.

Parameter name
Parameter number
Value range
Synthesizer section

DEG1 (FOR DCO1)   DEG2 (FOR

Built-in polyphonic sequencer stores and performs up to 256 notes and also includes MIDI control capabilities.

6 KEY ASSIGN MODES

A POLY
Provides 8- and 4-voice polyphonic performance.

B CHORD MEMORY
Lets you play parallel harmonies using only one key, and also provides monophonic bass and solo articulation.

C HOLD
Provides sustained "Hands Off" sound.

7 PROGRAMMER
Microprocessor technology allows 64 different programs to be stored, recalled, edited & saved on tape, as desired.

D PROGRAM/PARA
Alternates between program select and parameter select modes.

E SAVE
Stores "libraries" of sound programs and sequencer data onto cassette tape for later use.

F LOAD
Recalls sound programs, sequencer data, or both from cassette tape into the Poly-800.

G VERIFY
Checks tape data against internal memory to insure data is recorded correctly.

H CANCEL
Cancels current tape operation.

I WRITE
Press to memorize a program.

---

programmed sounds.

M DCO 1 & 2
Eight digitally controlled oscillators with individual Octave, Waveform, 16'—2' Harmonics and level parameters provide wide range of basic sounds. DCO2 INTERVAL and DETUNE parameters provide tracking harmonies and fat sounds.

N MODE
Selects Whole (8 voice, one DCO per voice) or Double (4 voice, two DCO's per voice) playing modes.

O NOISE
White noise source with separate EG.

P VCF
Equipped with new 24-decibel-per-octave filter circuitry for total tonal control. Multiple or single triggering, keyboard tracking, EG intensity & reverse polarity selection.

Q CHORUS
Thick stereo chorus may be programmed into any sound.

R DEG 1, 2, 3
Advanced 6 part digital envelope generators provide separate "layering" control of DCO'S 1 & 2, VCF & Noise.

S MG
Modulates the DCO's and/or VCF to create delayed vibrato, wah-wah, and other effects.

T MIDI
Lets you select how the Poly-800 is controlled when it's connected vie the built-in MIDI port to MIDI compatible keyboards, computers, or other equipment.

Level at which the Decay rate changes to the Slope rate.

4 SLOPE
Rate used to travel from the Break point to the Sustain Level. With Sustain higher than Break point, Slope is a second attack; otherwise slope is a second decay.

5 SUSTAIN
Sound maintains at this level following Attack, Decay & Slope for as long as key is depressed.
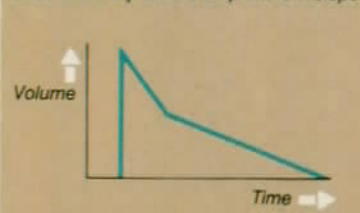
6 RELEASE
Rate at which the sound fades away after the key is released.

(while key is depressed)
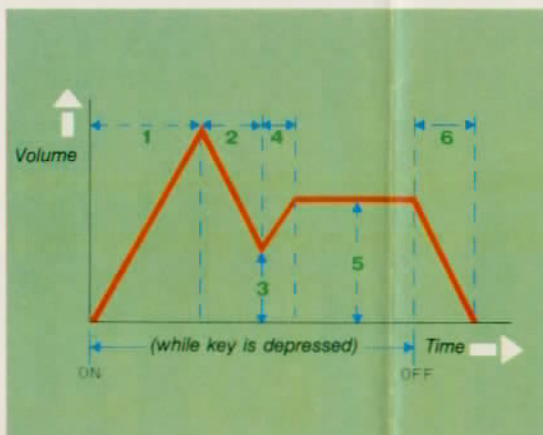
Second attack simulates envelope of compressed guitar.

Second decay simulates piano envelope.

---

3) Depress "C" Key and press STEP 3 times to lengthen the note. This creates a quarter note "C" (1/16 + 3 × 1/16 = 1/4). Display should show "S004".

4) Write in other notes in the same way.

5) For rests, press STEP without depressing any key. (Press four times for a quarter note rest.)

6) Press START/STOP to end wirte operation.

7) Set rear panel Sequencer WRITE switch to DISABLE position.

One-Touch Program Selection

1) Press PROG/PARA, if needed, so Parameter Dispaly shows "P", "C" or"H".

2) Enter the desired 2 digit Program Number on the 8 Number Buttons.

3) Press BANK HOLD (LED dot turns on). Now, select any program in that bank by pressing a single Number Button.

---

4) Edit the parameter Value using the UP and DOWN buttons.

5) Repeat steps 3 and 4 to change other parameters until you've created the sound you want.

6) To make sounds permanent, you must use the red WRITE button and rear panel Program WRITE Enable switch.

Comes with Fantastic Sound Data Tape

Sound Data Tape
Using an ordinary cassette recorder you can load data for 64 original sounds. A free sound data tape is included with your POLY-800.

How to load data from tape to Poly-800

1) Connect rear panel FROM TAPE jack to tape recorder output jack. Set HIGH (earphone) / LOW (line out) switch according to

---

MIDI Equipped for Interfacing with Your Computer

The Musical Instrument Digital Interface (MIDI) allows different types of musical instruments and computers to talk to each other, as a result of an agreement between many manufacturers. The Poly-800 MIDI can send and receive note data, joystick data, program changes and sequencer control signals.

Examples:

1) Controlling two synthesizers from one keyboard.

POLY-800 | OUT → IN | POLY-800
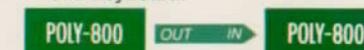
2) Interactive control between two synthesizers.

POLY-800 | OUT → IN / IN ← OUT | POLY-800
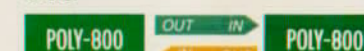
3) Synthesizer controlled by sequencer or MIDI-equipped personal computer.

POLY-800 ← IN / OUT | Sequencer or personal computer

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KEYBOARD STRAP

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*Specifications and features are subject to change without notice for further improvement.

KORG®

KEIO ELECTRONIC LABORATORY CORP.

15-12, Shimotakaido 1-chome, Suginami-ku, Tokyo Japan. Printed in Japan

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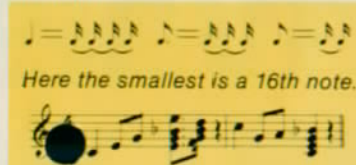Rate used to travel from the attack peak to the Break Point level.

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