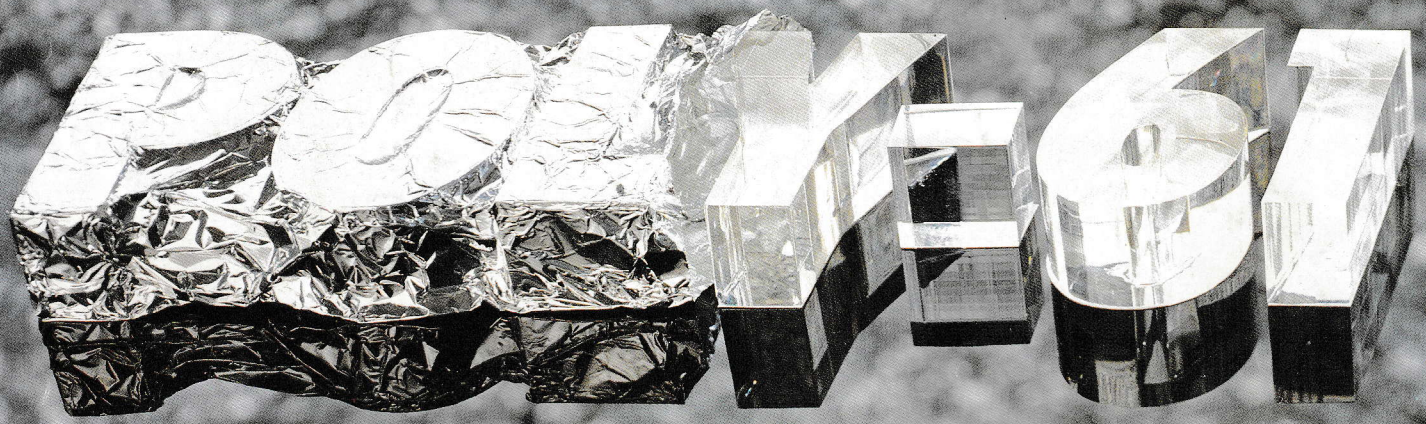
KORG®

We Put It All Together



PROGRAMMABLE POLYPHONIC SYNTHESIZER

FROM TAPE

TAPE ENABLE

WRITE ENABLE

PARAMETER

PROGRAM NO.

VALUE

OCTAVE	WAVEFORM	PW/PWM	OCTAVE	WAVEFORM	INTERVAL
11	12	13	21	22	23
4'	3	7	4'	2	5 4
8'	2	▲▼	8'	1	3 -3
16'	1	0	16'	0 OFF	1

INDICATOR

DCO 1

DCO 2

VALUE

The Korg Poly-61 is a 6-Voice Programmable Polyphonic Synthesizer offering 64 programs and 2 oscillators per voice at an Extraordinary Price Breakthrough. The Poly-61 also features Fast 8-second Tape Interface, Hold, Chord Memory and Arpeggiator modes, and a new advanced "Digital Access Control" System, for precise Pushbutton Programmability.



KORG POLY-61

PROGRAMMABLE POLYPHONIC SYNTHESIZER

Dual Digital Controlled Oscillators with Outstanding Pitch Stability Plus Programmable Interval and Detune Functions

In place of VCOs, the Poly-61 features two advanced-design Digital Controlled Oscillators (DCOs) per voice, for excellent pitch stability. DCO-2 can be programmed for different pitch intervals above DCO-1, creating rich harmonic textures and special effects.

Chord Memory and Arpeggiator for Extra Flexibility

A popular feature of the Korg Polysix and Mono/Poly, Chord Memory lets you play parallel harmonies using only one key, and thick Unison soloing and bass sounds. You can also select the "Hold" mode for continuous sound after you take your hands off the keyboard.

The full-function Arpeggiator memorizes and sequences both notes and chords, and can be synchronized with an external sequencer or rhythm machine.

64-Program Memory with Advanced Tape Interface

The Poly-61 can store and instantly recall 64 different programmed sounds. Programmed sounds can be edited and rearranged in any order. The "Program Up" function lets you use a foot switch to advance to the next sound without ever taking your hands off the keyboard.

The 8-second Tape Interface allows many sets of programs to be rapidly Saved and Loaded from tape, creating an infinite "Sound Library". The large alphanumeric display gives plenty of information about tape operations.



Digital Access Control System and Parameter Table

The parameters of a synthesizer are the variables, such as waveform, cutoff frequency, etc., which are adjusted to create different programmed sounds. On a conventional synthesizer, you have to turn knobs to adjust parameters, and it's hard to tell what the exact values are. But on the Poly–61, simple push–button depressions and a large, easy–to–read digital display allow you to select and precisely adjust each program parameter for the exact result desired.

Try playing the Poly–61 today

Korg's digital technology and superb sound quality make this the polyphonic synthesizer of the future.

1 PARAMETER TABLE

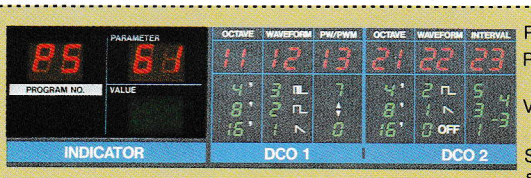
A) DCO–1, DCO–2
Two digital controlled oscillators provide excellent pitch stability. DCO–2 can be set to a minor 3rd, major 3rd, perfect 4th, or perfect 5th interval above DCO–1. "Detune" adds further richness to the sound.

B) VCF (Voltage Controlled Filter)
Features newly developed filters. Includes variable Resonance and Envelope Modulation, and selectable Keyboard Tracking for cutoff frequency control in proportion to keyboard pitch.

C) EG (Envelope Generator)
Full control over Attack, Decay, Sustain and Release.

D) VCA (Voltage Controlled Amplifier)
Can be set for EG control or "gate"–type envelope.

E) MG (Modulation Generator)
Separate control over Speed, Delay, DCO Depth and VCF Depth.



Parameter name
Parameter number
Value range
Synthesizer section

How to create sounds on the Poly–61

A) Press PARAMETER button.
B) Check parameter index to find desired parameter number. Press buttons 1–8 to select the number you want. (For example, the VCF cutoff frequency number is 31 so you would press button 3, then button 1.)
C) Press the UP or DOWN button in the VALUE section to change parameter value as shown by the digital readout.
D) After setting one parameter, you can go on to select and set the next parameter (by repeating steps 2 and 3 above).

2 DISPLAY

Provides large easy–to–read digital display of program number, parameter number, and parameter value. Also used for Tape Interface functions.

3 VALUE

UP and DOWN buttons let you precisely raise and lower the value of each parameter.

4 PROGRAMMER

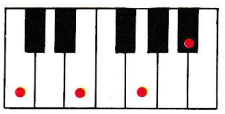
64 different sounds (program numbers 11–88) can be programmed and stored.

5 KEY ASSIGN MODE

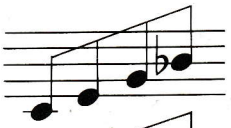
Chord Memory mode lets you play chords of up to six notes using only one finger. Also has Hold mode.

Chord Memory

Play notes of chord structure you have memorized. Also provides thick "Unison" solo and bass sounds.

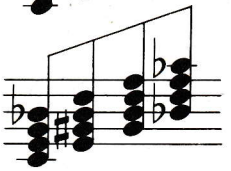


Chord structure stored in memory.



If you play this·····





You will hear this.

6 ARPEGGIATOR

For automatic arpeggiated playing at any speed.

7 TUNE

8 JOY STICK

9 VOLUME

KORG POLY-61

PROGRAMMABLE POLYPHONIC SYNTHESIZER

1 OUTPUT
Switchable level for connection to amp, mixer, echo unit, etc.

2 PHONES
Headphone jack.

3 ARPEGGIO TRIGGER IN
Allows external sequencer, rhythm machine, or synthesizer to determine arpeggiator timing.

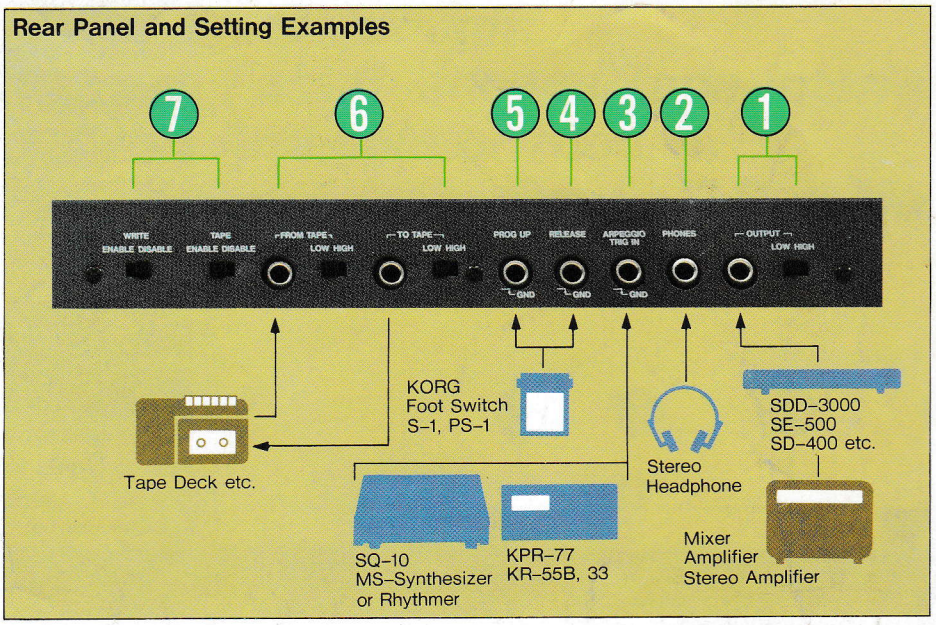
4 RELEASE
Footswitch input for extended release time, similar to piano damper pedal function.

5 PROGRAM UP
Allows use of footswitch to advance program number.

6 FROM TAPE, TO TAPE
Input and output jacks for tape interface connection. Level switches allow matching to virtually any good-quality tape recorder.

7 TAPE AND WRITE ENABLE SWITCHES
Tape interface and memory write functions are switchable to avoid accidental erasure. Memory is protected by automatically recharging backup battery.

Rear Panel and Setting Examples



SPECIFICATIONS ●KEYBOARD:61Keys(C～C) ●VOICES:6Voices ●DCO1:Octave Switch(16′,8′,4′), Waveform(⋀,PW,PWM), Pulse Width, PCM Depth Adjustment ●DCO2:Octave Switch(16′,8′,4′), Waveform(⋀,⊓,OFF), Interval(Equal, minor 3d, major 3d, perfect 4th, perfect 5th), Detune(MAX 50cents) ●VCF:Cutoff frequency, Resonance, Keyboard Tracking, EG Modulation Intensity ●EG: Attack Time, Decay Time, Sustain Level, Release Time ●VCA:Mode Switch(EG,⊓) ●MG:Frequency, Delay Time, DCO Intensity, VCF Intensity ●VOLUME:Adjustable ●TUNE:±100cent ●JOY STICK:Bend Range Adjustable (±700 cent max.), Frequency Adjustable, X:Pitch Bends, +Y:Vibrato, −Y:Wah-Wah ●ARPEGGIATOR:On/Off, Speed, Latch(On, Off), Range(Full, 2-OCT, 1-OCT), Mode (Up, Up/Down, Down) ●KEY ASSIGN MODE:Poly, Chord Memory, Hold ●TAPE INTERFACE:Save, Load, Verify, Cancel ●INDICATOR:Program Number Display, Parameter Number Display, Value Display ●INPUT JACKS:From Tape(High/Low Switch), Arpeggiator Trigger In(⊥GND), Program Up(⊥GND), Release(⊥GND) ●OUTPUT JACKS:Output(High/Low Switch), Headphones, To Tape(High/Low Switch) ●TAPE SWITCH:Enable/Disable ●WRITE SWITCH: Enable/Disable ●DIMENSIONS:985(W)×110(H)×350(D)mm ●WEIGHT:11kg ●SUPPLIED ACCESSORIES:Memory Cassette, Connection Cord ●POWER CONSUMPTION:28W

OPTION

HARD CASE
STAND ST-2B
2ch VOLUME PEDAL FK-3
PEDAL SWITCH PS-1
STEREO HEADPHONE KH-1



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

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