

Korg PS60 Performance Synthesizer

Detailed Specifications

Keyboard:

61-key natural touch keyboard;
Velocity sensing

Modes:

Performance, Performance Edit, Program Edit, Global

SOUND ENGINE

Synthesis: EDS-i (Enhanced Definition Synthesis - integrated)

Polyphony:

120 voices (120 oscillators) max, single mode;
60 voices (60 oscillators) max, double mode

** The actual maximum polyphony will vary depending on oscillator settings such as stereo multisamples and velocity crossfading.*

PCM:

49 MB (when calculated as 16-bit linear data),
136 multisamples (including 6 stereo)

Programs:

User Performances: 20 performances; 15 Preload
User Programs: 512 Programs; 440 Preload

Structure:

OSC = OSC1 (Single), OSC1+2 (Double): Stereo multisamples are supported;
4 velocity zones per oscillator, with switching, crossfades and layers.

Filters= Four types of filter routing (single, serial, parallel, 24 dB), Two multi-mode filters per voice (low pass, high pass, band pass, band reject)

Modulation = For each voice, two envelope generators (Filter & Amp);

Two LFOs, two key, tracking generators (Filter & Amp);

Two AMS mixers, In addition, pitch EG, common LFO, and two common key tracking generators

Combinations: 6 main timbres, 6 sub timbres; layer, split, and modifications to the program settings via the Tone parameters

Master Keyboard functionality: Allows control of external MIDI devices

Effects:

Insert Effects: Five processors, stereo input/output, 63 effect types

Master Effects: Two processors, stereo input/output, 4 effect types per processor Effects types

EQ: One processor, stereo input/output (3 bands)

Effects types: Total of 71 types (select from 63 types for insert effects, 4 types for master effect 1, and four types for master

effect 2)

Modulation: Dynamic modulation, tempo sync delay, LFO

Audition Riff function: 383 audition riffs

Controllers:

Joystick: Joystick, LOCK button (Joystick lock function)

Rotary speaker simulator: ORGAN SLOW/FAST button

Performances: BANK, 1–5, STORE buttons

Performance controls: Timbre selector (Timbre ON button x 6, variation pq button x 12), EASY SETUP (6 knobs, EASY SETUP buttons (Volume, Pan, MOD send, REV/DLY send), SPLIT SETTING (SUB OFF/RECALL, LOWER, UPPER buttons), MODULATION (MODULATION button, RATE, DEPTH, FEEDBACK knobs), REVERB/DELAY (REVERB/DELAY button, RATE, DEPTH, FEEDBACK knobs), EQ (BASS, MID, TREBLE knobs)

User Interface:

Display: 16 character x 2 line LCD (with backlight)

Mode: PERFORMANCE EDIT, PROGRAM EDIT, GLOBAL buttons

Value Controllers: Value knob, cursor/value pqtu buttons, EXIT button

Other: OCTAVE DOWN, UP buttons, TRANSPOSE _, _ buttons, VOLUME knob, display contrast

Audio Outputs:

OUTPUT, L/MONO, R: 6.3 mm monaural phone jack (unbalanced), Output impedance= 1.1k Ω stereo; 550 Ω mono (L/Mono only), Maximum level= +10.0 dBu (Standard), Load impedance 10k Ω or greater

Headphones: 3.5 mm stereo mini-phone jack, Output impedance= 33 Ω , Maximum level= 35 + 35 mW @33 Ω load

Control Inputs: DAMPER/PEDAL/SW jack x 1 (half-damper supported), PEDAL/SW jack x 1

MIDI: IN, OUT

USB: 1 USB (TYPE B), USB-MIDI interface

Physical Specs & Power

Power: AC adapter power supply connector (DC 9V 1700mA), POWER switch

Dimensions: 925(W) x 291(D) x 90(H)mm / 36.41" (W) x 11.45" (D) x 3.54" (H)

Weight: 4.6kg / 10.14lbs

Power Consumption: 6W

Included Accessories:

AC adapter, Easy start guide, Accessory disc (PS60 Parameter Guide (PDF), Owner's Manual (PDF), PS60 USB-MIDI Setup Guide (PDF), KORG USB-MIDI driver, PS60 Editor/Plug-In Editor etc.)

PS60 Optional Accessories (Sold Separately)

XVP-10 Expression/Volume Pedal

EXP-2 Foot Controller

DS-1H Damper Pedal

PS-1 Pedal Switch

KORG USB-MIDI driver Operating requirements

Windows:

Computer: USB port required (a USB host controller made by Intel is recommended)

Operating system:

Microsoft Windows XP Home Edition / Professional / x64 Edition Service Pack 3 or later
Microsoft Windows Vista Service Pack 2 or later(including 64-bit edition)
Microsoft Windows 7 (including 64-bit edition)

Macintosh:

Computer: USB port required

Operating System:

Mac OS X 10.3.9 or later

PS60 Editor and PS60 Plug-In Editor Operating requirements

Windows:

Computer: A computer that meets the operating requirements of Windows XP, Windows Vista, or Windows 7, and is equipped with a USB port

CPU: Intel Pentium III / 1 GHz or better, Pentium D or Core Duo or better is recommended

Memory: 512 MB or more (1 GB or more is recommended)

Monitor: 1,024 x 768 pixels, 16-bit color or better

Operating system:

Microsoft Windows XP Home Edition/Professional Service Pack 3 or later

Windows Vista Service Pack 2 or later

Windows 7

(Please Note: only the standalone version will work on 64-bit editions of Windows 7 and Windows Vista Service Pack 2.)

Macintosh:

CPU: Apple G4 800 MHz or better (Intel Mac is supported), G5 or Core Duo or better is recommended

Memory: 512 MB or more (1 GB or more is recommended)

Monitor: 1,024 x 768 pixels, 32,000 colors or better

Operating system: Mac OS X version 10.4.11 or later

*** Formats supported by PS60 Plug-In Editor:**

Windows: VST, RTAS

Macintosh: VST, Audio Unit, RTAS

* PS60 Plug-In Editor must also satisfy the operating requirements of the host application.

Note: It is not possible to start up multiple instances of PS60 Editor or PS60 Plug-In Editor within an operating system. This means that it is not possible to use these editors to edit two or more PS60 units simultaneously.

**Specifications and features are subject to change without notice.*

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