

SPECIFICATIONS

SP-606 Specifications

- **Maximum Polyphony** 8 voices
- **Sampling Mode** STANDARD/LONG
- **Sampling Frequency** 44.1 kHz
- **Data Format** SP-606 original format (WAV/AIFF import/export possible)
- **Internal Memory Samples:** 128 (8 Banks) (Including Pre-loaded Sample Banks)
- **Card Memory Samples:** 384 (24 Banks)
- **Effects Section** Multi-Effects: 2 systems, 45 types, Mastering Effect: 2-band Compressor
- **Sequencer Section** Mode: PATTERN, SONG, Tracks: 4, Resolution: 96 ticks per quarter note, Song Steps: 999, Songs: 25, Patterns: 140 (Including Pre-loaded Patterns), Maximum measures per Pattern: 32, Beats: 2/4—32/4, Tempo: 40.0—200.0, Pattern recording method: Realtime, Step Recording (Note/Sample), Maximum recordable notes: Approximately 18,000 notes (Approx. 8,000 per Pattern)
- **Others** Display: 128 x 64 dots (Backlit graphic LCD), Controllers: Control Knobs x 3, D Beam, Pads: 16 with velocity sensitivity
- **Connectors** Headphones Jack, Output Jacks L/Mono, R, Input Jacks L/Mono(MIC), R, Foot Switch Jack, Digital Audio Interfaces (COAXIAL, IN/OUT), MIDI Connectors (IN, OUT), USB Connector (compatible with MIDI, audio and mass storage class), AC Adaptor Jack
- **Power Supply** DC 9 V (AC Adaptor)
- **Current Draw** 1,000 mA
- **Dimensions** 358.3 (W) x 271.2 (D) x 84.0 (H) mm / 14-1/8 (W) x 10-11/16 (D) x 3-5/16 (H) inches
- **Weight** 2.3 kg / 5 lbs 2 oz (excluding AC Adaptor)
- **Accessories** Owner's Manual, AC Adaptor (ACI Series or PSB-1U), USB Cable, CD-ROM (USB MIDI/AUDIO driver, P606 software), Memory Card Protector

*The SP-606's CompactFlash file system is developed by Kyoto Software Research, Inc.
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Driver System Requirements:

[For Windows 98/Me]

- **Operating System** Microsoft® Windows® 98, Microsoft Windows Me
- **Computer** Windows 98 / Me compatible computer with a USB connector that supports USB Specification Revision 1.0 or higher
- **CPU/Clock** Pentium, Celeron™, Intel-compatible Processor/400MHz or higher
- **Memory** 64 MB or more

[For Windows 2000/XP]

- **Operating System** Microsoft® Windows® XP Home Edition, Microsoft Windows XP Professional, Microsoft Windows 2000 Professional
- **Computer** Windows XP/Windows 2000 compatible computer with a USB connector that supports USB Specification Revision 1.0 or higher
- **CPU/Clock** Windows XP: Pentium, Celeron™, Intel-compatible Processor/600MHz or higher, Windows 2000: Pentium, Celeron™, Intel-compatible Processor/400MHz or higher
- **Memory** 128 MB or more

[For Mac OS 9]

- **Operating System** Mac OS 9 series
- **Computer** Apple Macintosh computer equipped with a USB port as standard equipment
- **OMS Version** (for OMS Driver) 2.3.5 or later
- **FreeMIDI Version** (for FreeMIDI Driver) 1.35 or later
- **CPU/Clock** PowerPC G3 / 400 MHz or better
- **Memory** 128 MB or more (You must turn virtual memory "off" before using this driver.)

[For Mac OS X]

- **Operating System** Mac OS X v10.2 or later *This will not operate in the Classic environment of Mac OS X. When using this, the Classic environment must not be running simultaneously.
- **Computer** Apple Macintosh series computer with on-board USB
- **CPU/Clock** PowerPC G3 / 400 MHz or faster (PowerPC G4 recommended)
- **Memory** 256 MB or more

*This driver has been shown to function properly when used with average computer systems having specifications that conform to the above guidelines. You should be aware, however, that there are numerous other variables that can affect performance, including differences in hardware design, system configuration, and overall combination of software applications that are used. Therefore, the actual system requirements could be different than the above.

P606 System Requirements

- **Operating System** Microsoft® Windows® 2000/XP
- **CPU/Clock** Pentium®-class, Pentium4 1.7 GHz or higher recommended
- **Memory (RAM)** 256 MB or more, 512 MB or more recommended
- **Display** 1,024 x 768 pixels or higher
- **Hard Disk** 500 MB or more
- **USB Port**
- **CD-ROM Drive** (required for installation)

EFFECT LIST

No.	TYPE NAME	No.	TYPE NAME	No.	TYPE NAME
001	FILTER + DRIVE	016	BPM AUTO PAN	031	RADIO TUNING
002	REVERB	017	AUTO PAN	032	VINYL SIMULATOR
003	DELAY	018	BPM TREMOLO	033	GATE
004	TAPE ECHO	019	TREMOLO	034	NOISE GENERATOR
005	ISOLATOR	020	BPM SLICE-FLANG	035	ENHANCER
006	COMPRESSOR	021	SLICER + FLANGER	036	DISTORTION
007	LO-FI PROCESSOR	022	ROTARY	037	FUZZ
008	GUITAR AMP SIM	023	CHORUS	038	WAH
009	OVERDRIVE	024	PHASER	039	CENTER CANCELER
010	PITCH SHIFTER	025	STEP PHASER	040	CHROMATIC P.S.
011	FEEDBACK RIPPER	026	RING MODULATOR	041	VOICE TRANSFORMER
012	REVERSE	027	STEREOIZER	042	OCTAVE
013	TUMBLING	028	SPACE-D	043	SUBSONIC
014	FLANGER	029	LOW BOOST	044	OSCILLATOR(PAD)
015	STEP FLANGER	030	EQUALIZER	045	ENVELOPER(PAD)

REAR PANEL



Options

DP-2
Pedal Switch



FS-5U BOSS
Foot Switch



RH-200
Monitor Headphones



SP-606

Sampling Workstation



Roland
WE DESIGN THE FUTURE

Roland Corporation U.S.
5100 S.Eastern Avenue P.O. BOX 910921
Los Angeles, CA 90091-0921
Phone: (323) 890.3700 Fax: (323) 890.3701
Visit us online at www.RolandUS.com

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Roland

Sampling Workstation for a New Generation

A Bold New Spin on Sample-Based Music Production

Blockbuster loops, mad effects, mastered mixes, software-synth integration — the SP-606 plugs you into a new world of creative expression

Power Sampling

45 multi effects and Mastering Effects

4 x 4 velocity pads

4-track sequencer

D Beam and V-LINK controllers

Built-in CompactFlash slot and USB port

SP-606

Sampling Workstation

COSM V-LINK
USB **WDM** **ASIO™**

Creativity Unleashed

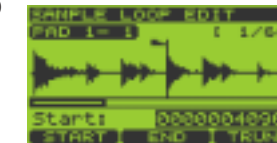
Tap into innovative new features



POWERFUL SAMPLER

Sample, edit, and play

Capture pro-quality digital audio with the SP-606's 8-voice sampling engine. You can record audio from the built-in stereo inputs and digital input, or via USB for drag & drop WAV/AIFF file exchange. Sounds can also be recorded directly from the USB port using the SP-606's USB-Audio mode (supports WDM and ASIO). Twist, bend, slice, and sculpt your samples with editing features such as Chop and Resample. Audio loops can be time-stretched and locked to your sequences in real time thanks to the SP-606's BPM sync control and internal 4-track MIDI sequencer, which is capable of storing approximately 18,000 notes. The large, backlit LCD provides clear, friendly access to waveforms and sequence data, even in the darkest studio or stage environment.



ENHANCED SAMPLING

Slice, dice, and snap to sequence

The SP-606 is loaded with sample editing tools. The External Sequence Sampling function* allows the SP-606 to automatically capture loops and phrases from external sequencers — whether from the bundled P606 software or external hardware devices such as Roland's MC-909. How it works is sinfully simple: The SP-606 sends the sequencer a start signal via MIDI, then it samples the audio driven by the sequencer, sends a stop command, and truncates the audio automatically. Building your own custom library of sample loops has never been easier.

P606 Virtual GrooveBox

The SP-606's software companion

The best of both worlds The SP-606 can be used as a full-featured standalone sampler or as a USB companion for the bundled P606 software app (PC compatible, included free with the SP-606). Designed by the creative braintrust at Cakewalk, P606 provides a powerful array of phrase generation, soft synthesis, and virtual effects — the end results of which can be controlled by or transferred to the SP-606, eliminating the need for a static CD library.

New groove horizons with P606 P606 is packed with virtual instruments, multi-channel effects, and even a loop sequencer.

Generate custom phrases from the P606's three software synthesizers — GrooveSynth, PSYN Mini Analog, and GroovePlayer (a loop manipulator for WAV/ACIDized files) — under the control of the built-in 16-track sequencer. Eight effects plug-ins and a mixer are included as well. The SP-606 can seamlessly control, import, edit, and play back the tracks you create with P606.



P606 for Microsoft® Windows® XP/2000
 SOFT SYNTH GROOVEBOX cakewalk®

Performance Power Tools

Unique features for control and expression



COMPACT FLASH

Massive storage capacity

Enjoy unprecedented plug-and-play convenience, speed, and massive storage capacity with the SP-606's CompactFlash card slot. Record over 6 hours (!) of audio, and import/export WAV and AIFF files (up to 512MB simultaneously) without the need for a separate CompactFlash reader/writer. Long load times are a thing of the past.



Maximum Sampling Time (mono, approx.)

	Internal Memory*	CompactFlash					
		16MB	32MB	64MB	128MB	256MB	512MB
LONG	11 min.	11 min.	24 min.	48 min.	96 min.	193 min.	386 min.
STANDARD	5 min.	5 min.	12 min.	24 min.	48 min.	96 min.	193 min.

*Including pre-loaded samples.

PERFORMANCE EFFECTS & CONTROL FUNCTIONS

Expressive real-time audio manipulation

SP-606 is built for the studio and stage. Your fingers will love the luxurious velocity-sensitive pad bank, complete with Roll and Hold buttons. The Sub Pad function* allows you to access the same sound from two Pads — ideal for performing manual drum rolls. Wave your hands over the D Beam controller, and inject wildly expressive, visually impressive modulation into your performances. You can also manipulate video in real time with the V-LINK function (when used with Edirol's DV-7PR or P-1, sold separately). The serial dual effects engines in the SP-606 provide instant access to 45 top-quality algorithms — including Isolator, Filter+Drive, Slicer, Reverb, Tape Echo, plus new effects such as Feedback Ripper and Space-D — which can be tweaked in real time via knobs and D Beam. For polished, radio-ready final mixes, you can tap into the SP-606's suite of Mastering Effects. Export your masterpieces with crystal-clear quality via the SP-606's digital output.

*patent pending