Roland

SPD-*SX*
SAMPLING PAD

The new SPD-SX Sampling Pad puts powerful sample creation and playback under your sticks with innovative audio-capturing features, expressive playability, three multi-effects engines, and much more. The perfect addition to any acoustic or electronic drum kit, percussion setup, DJ booth, or keyboard rig, the SPD-SX is equally at home on the live stage, in the recording studio, pre-production suite, or dance club.

The Ultimate Percussive Sampling Instrument

SPD-SX
SAMPLING PAD

MIDI VISUAL CONTROL   V-LINK   USB   USB MEMORY   ASIO

The SPD-SX takes many of the proven concepts from its predecessor and raises them to a new level. Whether you're firing off one-shot samples, looped phrases, or complete audio playback tracks, the SPD-SX is loaded with the latest technology and tools to get the job done with speed, precision, and convenience. Enjoy the most advanced triggering and sampling technology in a sleek, easy-to-use percussion instrument.

- ● **Unique sampling-pad concept — the only instrument of its kind in the world**
- ● **2GB internal memory, enabling approximately 360 minutes of sampling (mono) without requiring external memory**
- ● **Nine velocity-sensitive rubber pads, two external dual-trigger inputs**
- ● **Easy capturing and assignment of audio data through Multi-Pad Sampling**
- ● **Three multi-effects units onboard, with two real-time control knobs and four dedicated effect buttons**
- ● **Individual Pad Dynamics indicators show pad status and audio-level activity during performance**
- ● **Expanded USB functionality (USB Mass Storage, USB MIDI/AUDIO, USB Memory)**
- ● **Wave Manager software included for easily importing, assigning, and organizing samples**
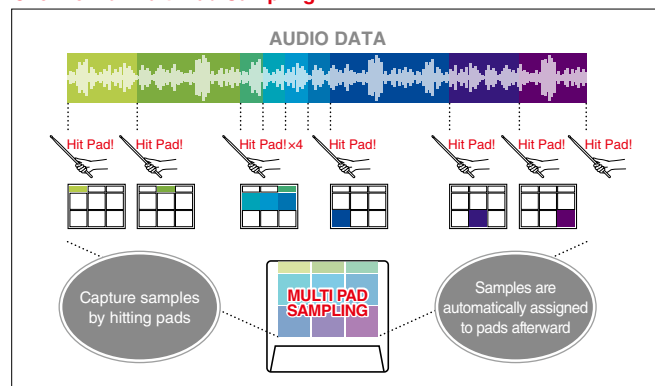- ● **Large backlit LCD**

The Playing Field

The SPD-SX is equipped with nine highly sensitive rubber pads with two independent real-time control knobs and four dedicated effect buttons. Roland's most advanced triggering technology ensures the ultimate in accuracy and fully dynamic performance, while a large backlit LCD provides easy-to-read data in all varieties of environments. Each pad has a companion LED that illuminates to show the pad's status. When you trigger sample phrases, the LEDs remain lit to show you which pads are in play. In addition, the LEDs change illumination strength according to audio-level activity (similar to level meters on a mixing board). The high-contrast red divider lines help you see the pad zones clearly onstage.

Multi-Pad Sampling

There's much more to the SPD-SX than meets the eye.
A powerful-yet-friendly lineup of features has been built into this little powerhouse, such as Multi-Pad Sampling. While audio streams in from an external audio player or computer (via Audio In or USB), simply strike each pad at the appropriate start/end points, and the sample will be automatically truncated and assigned to that pad. It's a fast, friendly way to create multi-sampled phrases and pad maps.

Overview of Multi-Pad Sampling

AUDIO DATA

Hit Pad! Hit Pad! Hit Pad!×4 Hit Pad! Hit Pad! Hit Pad! Hit Pad!

Capture samples by hitting pads

MULTI PAD SAMPLING

Samples are automatically assigned to pads afterward

Improved Playability and Functionality

Today, increasing numbers of drummers and percussionists need to incorporate audio samples into their performance. The SPD-SX will satisfy their increasing requirements with essential features such as individual click output routing, dedicated volume controls, Pad Check function, individual Sub Out, and more.

Onboard Effects

The SPD-SX has three multi-effects units onboard: one master unit and two units that are assignable per kit. The master effects engine lets you perform in real time like a DJ using the dedicated front-panel controls. Get your hands on the filter, delay, short looper, and user-assignable effect — all of which can be creatively adjusted with the four front-panel buttons and two control knobs.

SPD-SX Wave Manager Software Included

The SPD-SX's generous internal memory (2GB) lets you store and carry your entire sample library inside. With no external memory required, you can house approximately 360 minutes of audio (10,000 files) at 16-bit, 44.1 kHz, mono (storage reduced in stereo). The built-in USB ports let you directly import audio files from USB flash memory. The bundled SPD-SX Wave Manager software app lets you import audio files directly from computer via USB, assign the samples to each pad, and organize the thousands of samples efficiently.
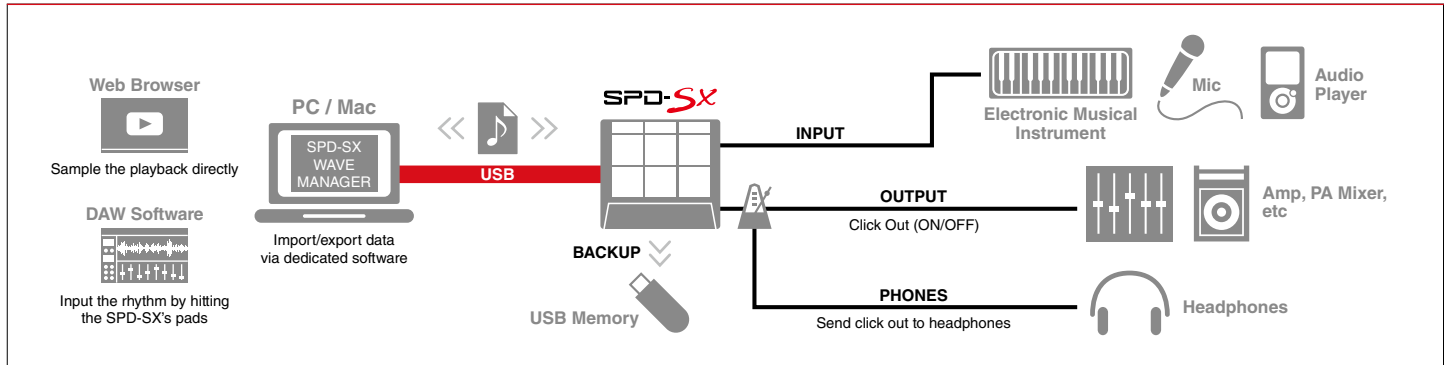
**SPD-SX
WAVE MANAGER**

for Microsoft® Windows®7   for Mac OS

You can assign samples to different pads, rename them, and even import or export audio files (WAV/AIFF).

■ Setup Example

Web Browser — Sample the playback directly

DAW Software — Input the rhythm by hitting the SPD-SX's pads

PC / Mac — SPD-SX WAVE MANAGER — USB — Import/export data via dedicated software

SPD-SX — BACKUP — USB Memory

INPUT — Electronic Musical Instrument, Mic, Audio Player

OUTPUT — Click Out (ON/OFF) — Amp, PA Mixer, etc

PHONES — Send click out to headphones — Headphones

■ Specifications

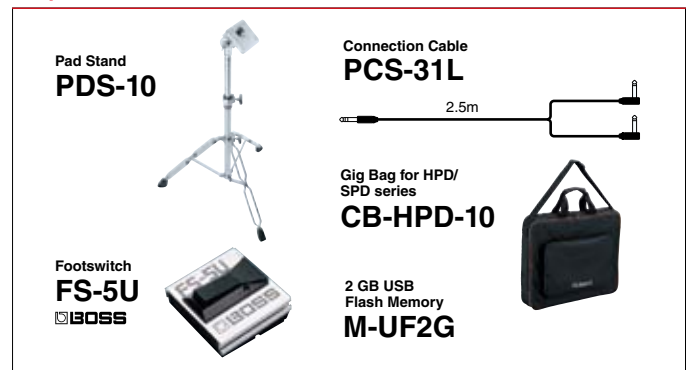|	
Pads	Built-in pads: 9 (with LED Indicators) *Two external trigger inputs are provided, letting you to connect up to four pads
Maximum Polyphony	20 voices *Maximum polyphony becomes 16 voices according to operating state
Recordable Wave Data	10,000 *Including preload wave data
Sampling Time (Total time for all wave data)	Approx. 180 min. in stereo (360 min. in mono) *Since the internal memory included with the SPD-SX contains preload data, the available sampling time will be less than the time above
Data Format	16-bit linear PCM (WAV/AIFF)
Sampling Frequency	44.1 kHz
Kits	100
Kit Chain	8 chains (20 steps per chain)
Effects	Master Effects (21 types), Equalizer, Kit Effect 1 (20 types), Kit Effect 2 (20 types)
Display	Graphic LCD 128 x 64 dots
Connectors	PHONES jack: Stereo 1/4" phone type, MASTER OUT jacks (L/MONO, R): 1/4" phone type, SUB OUT jacks (L/MONO, R): 1/4" phone type, AUDIO IN jacks (L/MONO, R): 1/4" phone type with LINE-MIC GAIN control, TRIG IN jacks (1/2, 3/4): 1/4" TRS phone type, FOOT SW jack (1/2): 1/4" TRS phone type, MIDI connectors (IN, OUT), DC IN jack, COMPUTER connector, USB MEMORY connector
Interface	Hi-Speed USB (USB-MIDI, USB-AUDIO, USB mass storage class, USB flash drive)
Power Supply	DC 9 V (AC Adaptor)
Current Draw	600 mA
Dimensions	mm: 364 (W) x 331 (D) x 94 (H) inches: 14-5/16 (W) x 13-1/16 (D) x 3-3/4 (H)
Weight	2.5 kg; 5 lbs 9 oz (excluding AC Adaptor)
Accessories	CD-ROM (SPD-SX Wave Manager, USB driver, preload wave data), owner's manual, AC adaptor
Options (sold separately)	Pads (PD series, PDX series), cymbals (CY series), kick triggers (KD series), pad stand (PDS-10), all-purpose clamp (APC-33), acoustic drum trigger (RT-10K, RT-10S, RT-10T), pedal switch (DP-2), footswitch (BOSS FS-5U/FS-6), personal drum monitor (PM-10, PM-30), USB flash memory *Use USB Flash Memory sold by Roland; we cannot guarantee operation if other products are used

* 0 dBu = 0.775 Vrms

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■ Rear Panel

■ Options

Pad Stand PDS-10

Connection Cable PCS-31L — 2.5m

Gig Bag for HPD/SPD series CB-HPD-10

Footswitch FS-5U — BOSS

2 GB USB Flash Memory M-UF2G

The Reinvention of the OCTAPAD

OCTAPAD SPD-30

● Packed with new percussion sounds from around the world, plus 30 types of multi-effects ● The latest pad-sensing technology developed for V-Drums provides consistent and accurate pad triggering with excellent isolation between pads ● Phrase Loop function lets you record your playing in real time and overdub up to three layers

Roland — WE DESIGN THE FUTURE