



SPD-20 Total Percussion Pad

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Roland's amazing SPD-20 Total Percussion Pad gives drummers, percussionists and electronic musicians of all types a whopping 700 stunning drum and percussion sounds-ready to trigger with the strike of a pad. Designed in the tradition of Roland's popular SPD-11, this compact electronic percussion powerhouse is ideal for enhancing acoustic drum sets with a variety of acoustic and electronic sounds or for sequencing MIDI drum and percussion tracks in a more intuitive, drummer-friendly way.

A Drum and Percussion Arsenal

The SPD-20 gives you an expanded sound set featuring everything from acoustic drum samples and classic electronic drum sounds to a large collection of Ethnic and World drum and percussion sounds and useful sound effects. Waveform memory in the SPD-20 is four times as much as the previous model, yielding a massive 700-sound arsenal with superb audio resolution. Acoustic drum sounds include jazz, old school, funk, rock, pop, Latin and orchestral sets, while electronic drum sounds include phat Roland TR-808 and 909 sounds and much more. Of special note are the SPD-20's wealth of Ethnic and World drum and percussion sounds-which include native sounds from India, Africa, Asia, Australia, South America, and the Middle East-and a collection of drum rolls and rhythm loops for enhanced sequencing and live performance.

Unrivaled Expressiveness and Drummer-Friendly Design

Sound editing is simple thanks to its easy access to parameters such as Level, Pitch, Reverb Decay, Pan, Velocity Curve and Effects Level, letting you customize and save the SPD-20's sounds to best suit your needs. For added realism, a Layer function allows you to combine two sounds on a single pad and assign them different velocity curves. In this way, you can switch sounds on a single pad based on your playing dynamics (e.g. ride sound to bell, rim shot to full snare hit, layered kick drum sounds, etc.). For enhanced expression, SPD-20 also gives you useful, drummer-friendly effects like digital reverb, delay, chorus and flange in up to 25 different combinations.



The SPD-20's pads respond realistically and naturally to common drumming techniques like rolls and flams, giving you quick response and a very low striking noise. Pads can be configured to suit your individual needs simply by assigning any sound to any of the eight pads. You can even assign pitched sounds to each pad, playing various melody lines by striking the pads in sequence. Thanks to these quiet rubber pads and its built-in headphone jack, the SPD-20 is perfect for late-night practice.

Helpful Patch Memory for Quick Sound Selection, Grouping and Editing

To help you navigate through its extensive sonic, editing and effects options, the SPD-20's internal memory can store up to 99 customized Patches. A Patch can contain sound-to-pad assignments, parameter settings, and settings for external pads and pedals as well. Patches can be put together in any desired sequence using Presets or user-created sounds and recalled as needed using the convenient Patch Chain function. (Up to eight Patch Chains are available.) Patches can also be selected using an optional footswitch.

External Connections and MIDI Control

The SPD-20 is equipped with four external trigger inputs for connecting to external pads and triggers like the PD-Series electronic percussion pads, FD-7 Hi-Hat Control Pedal and KD-7 Kick Trigger Unit. With the PD-120 and PD-100

V-pads, you get a extremely natural feel and response thanks to their new mesh drum heads. When connected to the PD-120, PD-9 or PD-7, the SPD-20 will respond to head and rim shots separately. The optional FD-7 Hi-Hat Control Pedal can be connected to the SPD-20 to trigger open and closed hi-hat sounds and everything in between, while the KD-7 Kick Trigger can be used to trigger drum sounds using a drummer's favorite bass drum pedal. The SPD-20's four inputs can even be connected directly to acoustic trigger pickups so that you can trigger sounds from your acoustic drum kit.

In MIDI sequencing environments, the SPD-20 is the ideal input device for recording realistic drum and percussion pattern list can also be used to trigger external MIDI modules such as samplers and sound modules, triggering one or two external sounds per pad. Furthering your MIDI power, the SPD-20's Patch Expand function allows you to play sounds assigned to five patches (any one patch + patch numbers 96-99) simultaneously via external MIDI messages.

Preset Patch List

1 Drums & Shaker *	22 CR-78/TR-808	43 Kalimba	64 Melodic Gong	85 Loop Menu *
2 Latin Set *	23 Dance Scratch	44 Balaphone	65 Oriental	86 Reversed Sounds
3 Orchestral	24 Dance Mix *	45 Darbuka	66 Choir	87 Ambience
4 Groove *	25 Techno	46 Doholla	67 Choir & Bass	88 Deep (Full Set)
5 Amazon *	26 Techno Beat	47 Hammer Dulcimer	68 Strings & Bass	89 Recording (Full Set)
6 Brushes *	27 Techno Hit *	48 Japanese	69 Brass	90 Vintage (Full Set)
7 Delay	28 Hip Hop	49 Korean	70 Melodic 1	91 Jazz (Full Set)
8 Dance Chord	29 Jungle *	50 Chinese	71 Melodic 2	92 Jazz Brushes (Full Set)
9 Indian *	30 Drums & Synth	51 Yang Qin	72 Melodic 3	93 Analog (Full Set)
10 Tex-Mex	31 Bongo & Conga	52 Southeast Asian	73 Melodic 4	94 Kit Copy
11 Standard 1	32 Timbales *	53 Gamelan	74 Whole Tone	95 Kit Copy
12 Standard 2	33 Cabasa & Cuica	54 Timpani	75 One Shot Delay	96 for Patch Expand 1
13 Big Rock	34 Berimbau *	55 Chimes & Bells	76 Chorus + Delay	97 for Patch Expand 2
14 Jazz	35 Samba *	56 Orchestra Hits	77 Flanger + Reverb	98 for Patch Expand 3
15 Funk	36 Tabla Baya	57 Marimba	78 Metal Head	99 for Patch Expand 4
16 Power	37 Pot Drums	58 Bass Marimba	79 Chorus Chord	
17 Rock	38 Madal & Dholak *	59 Celesta	80 Wack-O	
18 Electronic	39 Sitar *	60 Vibraphone	81 Flying	*) These patches include
19 Vintage Hex	40 Santoor	61 Xylophone	82 Crime Scene	rhythm loops.
20 TR-909	41 Tambura	62 Tubular Bells	83 Holler	
21 TR-808	42 African *	63 Steel Drum	84 Voices *	

Preset Instruments Partial List

Bass Drum(Kick)	C21~C26 Sizzle Ride Cymbal x6	Japanese/Korean/Chinese/Southeast Asian Percussion	<Africa>	d43	Techno Loop *2)
b01~b03 Dry Kick x3			M20 Kalimba		
b04 Meat Kick			M21 Log Drum	Artificial Sound Effects	
b05 Pillow Kick	C35 TR-808 Cymbal	<Japan>	M22 Balaphone	E01 Burt	
	C36 TR-606 Cymbal	J01 Biwa	M23 Afro Zither	E02~E03 Boing x2	
b21~b22 Reverb Kick x2		J02 Atarigane	<China>	E04 Onkey	
b23~b25 Mondo Kick x3	Latin Percussion	J03 Hyoshigi	M24 Yang Qin	E05 Tom Noise	
b26~b27 Solid Kick x2	L01~L05 Bongo x5	J04 Ohkawa	<Southeast Asia>	E06 Lazer	
	L06~L13 Conga x8	J05~J07 Tsuzumi x3	M25 Bonang	E07 Feedback Wave	
b39~b44 TR-808 Kick x6	L14~L18 Cowbell x5	J08~J09 Shime Taiko x2	M26 Gender	E08 Atmosphere	
b45~b48 TR-909 Kick x4	L19~L20 Claves x2	J10~J11 Matsuri Taiko x2	M27 Saron	E09 Bend Synth	
b49 TR-606 Distortion Kick	L21~L22 Guiro x2	J12~J14 Taiko x3	M28 Angklung	E10 Toy Gun	
b50 CR-78 Kick	L23 Maracas	J15 Matsuri	<Melodic Instruments>		
	L24~L26 Shaker x3	J16 Yyoo Dude	M29~M30 Gamelan x2	E27~E30 Noise Accent x4	
Snare Drum	L27~L28 Tambourine x2	<Korea>	M31 Glass	E31~E34 Random Noise x4	
S01~S03 Piccolo Snare x3	L29~L32 Timbale x4	J17~J18 Buk x2	M32 Iron Hammer	E35 Slide	
S04~S06 Beech Snare x3	L33 Vibra Slap	J19 Jang-Gu	M33 Bamboo	E36 Uut?	
S07~S09 Acoustic Snare x3	L34~L38 Agogo x5	J20~J22 Jing x3	M34 Drip	E37 Drop	
S10~S12 Steel Snare x3	L39 Cabasa	J23~J25 Gengari x3	M35~M36 Synth Strings x2	E38 Emergency	
S13~S15 Loose Snare x3	L40~L45 Cuica x6	<China>	M37~M43 Brass x7	E39~E40 Woody x2	
S16~S21 Medium Snare x6	L46~L52 Pandeiro x7	J26~J28 Ban Gu x3	M44~M52 Choir x9	E41 Monster Drum	
S22~S26 Concert Snare x5	L53~L57 Surdo x5	J29~J30 Gu x2	M53~M59 Bass x7	E42 Can Drum	
S27 Roll Snare	L58~L61 Tamborim x4	J31~J32 Tang Gu x2		E43~E46 Wah Guitar x4	
	L62~L65 Samba Whistle x4	J33~J34 Hu Yin Luo x2	Analog Percussion		
S39~S45 Brush Snare x7	L66 Caxixi	J35 Nao Bo	A01 DR-55 Claves	Natural Sounds,Human Voices	
S46 Rock Snare	L67~L70 Berimbau x4	J36 Xiao Bo	A02 CR-78 Cowbell	n01~n02 Telephone x2	
S47 Rocker Snare	L71~L74 Caixa x4	J37~J38 Tam-Tam x2	A03 CR-78 Metallic Beat	n03 Doorbell	
	L75 Rain Stick	J39~J42 Gong x4	A04 CR-78 Guiro	n04 Dog Bark	
S70~S71 Jungle Snare x2	L76 Samba Bateria	<Southeast Asia>	A05 CR-78 Tambourine	n05 Bird	
S72~S73 Electronic Snare x2	L77 Samba Loop *2)	J43 Finger Cymbal	A06 CR-78 Maracas	n06 Car Door	
S74~S75 TR-808 Snare x2	L78 Shaker Loop *2)	J44 Rama Cymbal	A07 CR-78 Bongo	n07 Car Stop	
S76 TR-909 Snare		J45~J46 Chenchen x2	A08 CR-78 Claves	n08 Horn	
S77 TR-707 Snare	Indian Percussion	J47~48 Bali Cymbal x2	A09 TR-707 Cowbell	n09 Punch	
S78 TR-606 Snare	i01 Sarna Bell	J49 Thai Gong	A10 TR-808 Conga		
S79 CR-78 Snare	i02~i06 Baya x5	J50~J51 Jaws Harp x2	A12 TR-808 Claves	n13 Machine Gun	
S80~S86 Cross Stick x7	i07~i14 Tabla x8		A13 TR-808 Maracas	n14 Pistol	
	i15~i20 Pot Drum x6	Orchestral Percussion	A14 TR-808 Cowbell	n15 Siren	
Tom-Tom	i21~i24 Dholak x4	o01 Sleigh Bell	A15 TR-808 Hand Clap		
t01~t04 Big Tom x4	i25~i27 Madal x3	o02 Tree Chimes	A16 TR-909 Hand Clap		
t05~t08 Studio Tom x4	i28 Khole	o03~o04 Triangle x2		n23 Oww!	
t09~t12 Jazz Tom x4	i29~i32 Dhol x4	o05~o06 Castanets x2		n24 Woa!	
	i33 Tabla Baya Loop *2)	o07 Wood Block	Dance Sounds	n25 Ooh!	
t27~t28 Room Tom x2		o08 Slapstick	d01~d02 Hand Clap x2	n26 Chiki!	
t29~t30 Acoustic Tomx2		o09~o10 Concert Bass Drum x2	d03 Little Clap	n27 Hey!	
	African/Middle Eastern/Australian/Other Percussion	o11~o14 Timpani x4	d04 Hip Clap	n28 Ou!	
t38 TR-808 Tom	<Africa>	o15 Church Bell	d05 Afro Clap	n29 Ou! Up	
t39~t40 TR-909 Tom x2	F01 Shekere	o16~o18 Percussion Hit x3	d06~d10 Scratch x5	n30 Scream	
	F02~F06 Djembe x5	o19~o24 Orchestra Hit x6	d11~d12 Scratch Bass Drum x2	n31 Voice Loop *2)	
Hi-Hat Cymbal	F07~F09 Talking Drum x3		d13 Scratch Snare	Ambience,Reversed Sounds	
h01~h05 Pop Hi-Hat x5	F10~F13 Afro Drum x4	Melodic Percussion/Melodic Instruments	d14 Jungle Hat	r01 Kick Ambience	
h06~h10 Real Hi-Hat x5	F14 Metal Castanets	M01 Glockenspiel			
h11~h12 Brush Hi-Hat x2	<Middle East>	M02 Vibraphone	d19~d21 High-Q x3	r20 Reverse Tom	
	F15 Bell Tree	M03 Xylophone	d22 Air Blip		
h26~h29 TR-808 Hi-Hat x4	F16~F17 Sagat x2	M04~M05 Marimba x2	d23 Techno Snap		
h30~h31 TR-909 Hi-Hat x2	F18~F20 Darbuka x3	M06 Bass Marimba	d24 Organ Chord		
h32~h33 CR-78 Hi-Hat x2	F21~F22 Doira x2	M07 Celesta	d25 Distortion Guitar		
	F23~F27 Doholla x5	M08~M09 Tubular Bells x2	d26 Auh Voice		
Hi-Hat Cymbal	F28~F31 Rek x4	<Middle America>	d27 Techno Chord		
for pedal control *1)	F32 Bendir	M10~M11 Steel Drum x2	d28 Techno Scene		
H01~H02 Pop Hi-Hat x2	F33 Dawul	<India>	d29 Synth Hit		
	<Australia>	M12~M13 Sitar x2			
H17 Hand Cymbal Hi-Hat	F34 Clapstick	M14~M15 Santoor x2	d36 Retro UFO		
	F35 Boomerang	M16~M17 Tambura x2	d37 Metal Sweep		
Crash/Rlde Cymbal	<Other>	<Middle East>	d38 Bounce		
C01~C04 Crash Cymbal x4	F36 Bloom Bell	M18~M19 Hammer Dulcimer	d39 Distortion Swish		
C05~C07 Chinese Cymbal x3	<Africa>	x2	d40 PCM Press		
	F37 Afro Loop *2)		d41 Jungle Roll Kick		
C15~C20 Ride Cymbal x6			d42 Jungle Roll Snare		

*1) These patches allow you to connect an optional FD-7 Hi-Hat Control Pedal to trigger open and closed hi-hat sounds and everything in between.
*2) These phrases loop for a several measures. By connecting an optional pedal switch, you can hold the loop as long as desired.

SPD-20 Specifications

Max. Polyphony	14 voices	Power Supply	AC12V AC Adaptor
Number of Instruments	700	Current Draw	420mA
Internal Memory	99 Patches, 8 Patch Chains	Dimensions	450 x 350 x 70 mm / 17-3/4 x 13-13/16 x 2-13/16 in.
Sound Parameters	Instrument, Level, Pitch, Decay, Pan, Curve, Effect Send Level	Weight	t2.8 kg /6 lbs. 3 oz. (excl. AC adaptor)
Effects	Reverb, Delay, Chorus, Flanger	Accessories	BOSS BRA-Series AC Adaptor, Slit Tape
Number of Pads	8		
Display	7-segment. 3-character LED		
Connectors	Output (L/Mono, R), Phones (Stereo), External Trigger Input* x 3 (Dual), Hi-Hat Control/Trigger4 Input* (Dual), MIDI (In, Out), Footswitch (Dual) * Trigger inputs 1 and 2 accept rim shots from the PD-7, -9 and -120 while inputs 3 and 4 accept rim shots from the PD-7 and -9.		

Options



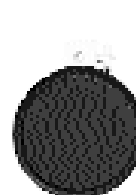
V-Pad PD-120



V-Pad PD-100



Pad PD-9



Pad PD-7



Pad PD-5

Innovative mesh drum head and rubber-coated rim design offers dramatically improved response, sensitivity and silent performance.



Kick Trigger Unit
KD-7



Hi-Hat control pedal
FD-7



All purpose clamp set
APC-33



Footswitch
BOSS FS-5U

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*Specifications and appearances are subject to change.