The JP-8000 destroys all previous notions of what a synthesizer can do, redefining sonic possibilities the world over. With the JP-8000, comprehensive sonic expression and control are now at your command. Every single slider of this sonic monster opens a door to a radically new musical dimension.

A TRUE SYNTHESIZER IS...

From heavy, fat solos and bass sounds to sparkling, powerful, or mellow textures — a world of new sonic possibilities awaits. Introducing the Roland JP-8000, an unbelievably flexible synthesizer that lets you build a stunning sound library from a handful of waveforms.

NEWLY DEVELOPED ANALOG MODELING SOUND SOURCE

Developed in the spirit of the finest vintage synthesizers, the JP-8000's Analog Modeling sound source once again puts the basic waveform at the center of the sound creation process. An intuitive user interface will get you up and creating within seconds, exploring new galaxies of sound. Without realizing that you're working with a DSP-driven powerhouse, you'll start to take advantage of its unprecedented possibilities.
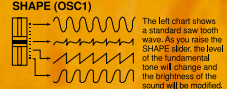
A CREATIVE "HEART" — OSCILLATOR 1 and 2

The heart of the JP-8000 is like an analog synthesizer. It pumps with two VCO's, a VCF, a VCA and a dedicated LFO for modulation. (Analog terminology rules!) These basic building blocks will set your sonic world on fire.
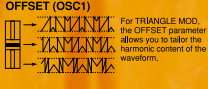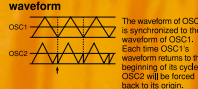
EXAMPLES OF ON-BOARD WAVEFORMS

Waveforms modified with SHAPE (OSC1)

The left chart shows a standard saw tooth wave. As you raise the SHAPE slider, the level of the fundamental tone will change and the brightness of the sound will be modified.

Waveforms modified with OFFSET (OSC1)

For TRIANGLE MOD, the OFFSET parameter allows you to tailor the harmonic content of the waveform.

Synchronized waveform

The waveform of OSC2 is synchronized to the waveform of OSC1. Each time OSC1's waveform returns to the beginning of its cycle, OSC2 will be forced back to its origin.

OSCILLATOR 1

This is where you select the basic waveform — the raw material you use to shape into the sound you have in mind. In addition to traditional Saw Tooth, Triangle, Square and Noise waves, the JP-8000 features new waveforms such as "Super Saw", "Triangle Mod", and "Feedback OSC".

● **SUPER SAW:** Equals the sonic result of seven sawtooth waveforms used simultaneously. Perfect for incredibly round, thick string voices. The DETUNE control allows you to create more spacious sounds, while MIX gives control over the body and thickness of the sound.

● **TRIANGLE MODULATION:** A rich triangle wave with a lot of energy in the overtones. Its shape can be altered using the OFFSET parameter to produce even more overtones.

● **FEEDBACK OSCILLATOR:** Reminds you of the type of feedback normally associated with electric guitars — perfect for solo sounds! Feedback amount and harmonic level are user-definable.

● **NOISE:** Produces many different "colors" of noise. Continuously variable from Pink Noise to White Noise. Using the powerful RESONANCE control feature, anything from slight emphasis to self-oscillation (sine wave) can be set.

● **SQUARE:** The basic ingredient for woodwind and typical synth sounds with adjustable pulse width and PWM depth.

OSCILLATOR 2

Oscillator 2 provides three basic waveforms which can be combined with Oscillator 1 to create ultra-fat sounds. Its pitch can be controlled within a +/-50 cent and/or +/-4 octave range using the RANGE and FINE/WIDE knobs. The SYNC function allows you to synchronize OSC2's waveform to that of OSC1. Thus, each time the OSC1 waveform returns to its origin, the OSC 2 waveform is reset to its beginning, creating a complex waveform with lots of overtones.

● **TRIANGLE:** Contains only a limited number of overtones and is fairly neutral. Suitable for flute-like sounds.

OSCILLATOR COMMON

The OSC COMMON section lets you modify the waveform and pitch of both OSC1 and OSC 2, as well as the volume balance between OSC1 and OSC2 and the Cross-Modulation depth.

You can also add Ring Modulation, a technique used to produce inharmonic overtones perfect for metallic, dissonant, bell-like sounds. The Cross Modulation function allows you to modify the frequency of OSC2 using the output of OSC2, again producing complex waveforms.

POWERFUL SOUND MODIFICATION CONTROLS

Comprehensive control of parameters includes OSC Type, LFO 1, LFO 2, RING, SYNC, X-MOD, TVF, and ENVELOPE. The -24/-12dB selector switch of the filter allows you to fine-tune the characteristics of the (selectable) high-pass/low-pass/band-pass filter. And don't forget the CUTOFF

FREQUENCY and RESONANCE sliders. As you've come to expect, these guys can drive the filter all the way into self-oscillation.

The JP-8000 provides Pitch, Filter and Amplitude envelopes with adjustable DEPTH and inverted envelope possibilities. LFO1 has four waves and can be routed to various parameters including the oscillators, the filter and the amplitude function. LFO2 is made of a triangle wave and can be routed to the oscillators, the filter and the amplitude.

To top it off, the JP-8000 provides various functions usually associated with vintage synths, such as ring modulation, legato and portamento as well as a sync function between OSC1 and OSC2.

EXPRESS YOURSELF WITH MASSIVE REALTIME CONTROL

Parameters are accessed directly via intuitively placed knobs, sliders and buttons, as well as a pitch bend/modulation lever and a ribbon controller. The redesigned ribbon controller allows you to control several parameters simultaneously. The function of the sliders in the OSC1 section depends on the wave you select, providing refined sound creation in an analog-like fashion.
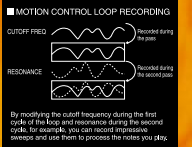
ADVANCED ARPEGGIATOR & REALTIME PHRASE SEQUENCER

Various types of arpeggio patterns and a powerful RPS (Realtime Phrase Sequencer) make the

JP-8000 perfect for DJ-style "remix" performances. When switched on, the Arpeggiator transforms the chords you play into short musical phrases. It provides four modes (UP, DOWN, UP&DOWN, RANDOM), dozens of beat patterns, as well as HOLD and TEMPO controls and an adjustable octave range.

The RPS function allows you to assign complete licks to any of the 48 keys. It boasts 48 patterns, 24 ppq resolution, a loop length adjustable between 1-4 measures, an adjustable gate time, and several input quantize modes. Both the Arpeggiator and the RPS section can be synchronized to an external MIDI clock. Perfect for those pesky modern MIDI-types and for live performance.

MOTION CONTROL

The JP-8000 takes realtime sonic manipulation one step further with an innovative Motion Control feature. This revolutionary sequencer continuously records all slider and knob movements you make in realtime in 8 measure sections. Playing back a Motion sequence thus allows you to concentrate on complex phrases, while the JP-8000 adds your own filter sweeps, etc., over and over with the same precision.

MOTION CONTROL LOOP RECORDING

By modifying the cutoff frequency during the first cycle of the loop and resonance during the second cycle, for example, you can record impressive sweeps and use them to process the notes you play.

OTHER VERSATILE FUNCTIONS

The JP-8000 is fully MIDI-compatible. All slider, knob and ribbon controller movements are transmitted to any external MIDI device for instant recording. The powerful Individual Trigger function provides further flexibility by allowing you to start the Pitch, Filter, or Amp envelope at a different time from the remaining envelopes. All you need to do is select the envelope (destination), the MIDI channel, and the trigger note.

With dedicated knobs on the front panel for digital Delay and Chorus effects, and the treble/bass tone controls, you can put the icing on the most tempting sound cake ever. Save for volume and tempo, all parameters can be assigned to an optional expression pedal for even more creative control.

True to its pedigree, the JP-8000 is 8-voice polyphonic and can be used in Single, Dual or Split modes, the latter two meaning that two Patches will be triggered either simultaneously or from different keyboard areas (Upper and Lower). The JP-8000 boasts 128 Preset Patches and 64 Preset Performance memories, and another 128 User Patches and 64 User Performances. Thanks to its intuitive, knob-based user interface, a 16×2 backlit LCD is all the JP-8000 takes to stay in control.

The JP-8000 is a synthesizer no musician can afford not to have. It's time you experienced some future shock.

JP-8000

FUTURE SHOCK
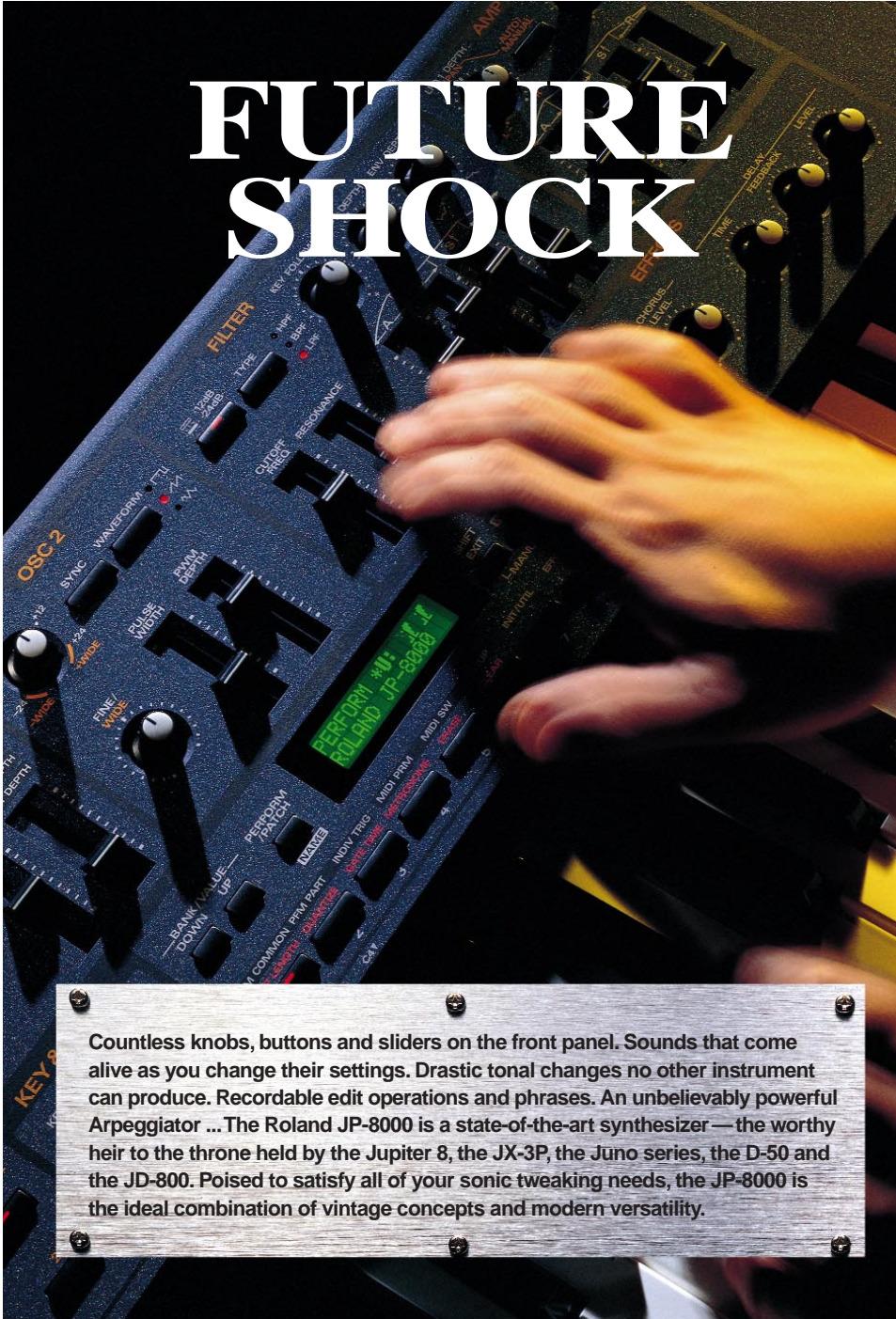
Countless knobs, buttons and sliders on the front panel. Sounds that come alive as you change their settings. Drastic tonal changes no other instrument can produce. Recordable edit operations and phrases. An unbelievably powerful Arpeggiator ...The Roland JP-8000 is a state-of-the-art synthesizer — the worthy heir to the throne held by the Jupiter 8, the JX-3P, the Juno series, the D-50 and the JD-800. Poised to satisfy all of your sonic tweaking needs, the JP-8000 is the ideal combination of vintage concepts and modern versatility.

PERFORMANCE LIST (PRESET)

No.	Performance Name	Lower Patch Name	Upper Patch Name
11	Chariots	Chariots L	Chariots U
12	Fizzoid Bass	Fizzoid Bass L	Fizzoid Bass U
13	Skreachy	Skreachy L	Skreachy U
14	Feedback Lead	INIT PATCH	Feedback Lead U
15	Trancer	Trancer L	Trancer U
16	Whisper	Whisper L	Whisper U
17	Dance Split	Dance Split L	Dance Split U
18	Comb Strings	Comb Strings L	Comb Strings U
19	Descender	Descender L	Descender U
21	Glass Columns	Glass Columns L	Glass Columns U
22	BPM Pulsating	BPM Pulse L	BPM Pulse U
23	1979!	1979 L	1979 U
25	Elliptical	Elliptical L	Elliptical U
26	MKS80 Bell/Space	MKS80Bell/SpaceL	MKS80Bell/SpaceU
27	Legato TB-303	Legato TB-303 L	Legato TB-303 U
28	Massive Pad	Massive Pad L	Massive Pad U
31	AKS Sweep	AKS Sweep L	AKS Sweep U
32	Sweepers	Sweepers L	Sweepers U
33	Juliano	Juliano L	Juliano U
34	Stargate	Stargate L	Stargate U
35	Dual Mini's	Dual Mini's L	Dual Mini's U
36	Spacescapes	Spacescapes L	Spacescapes U
37	Trance Floor	Trance Floor L	Trance Floor U
38	Arctic E-know	Arctic E-know L	Arctic E-know U
39	Smooth Split	Smooth Split L	Smooth Split U
41	Fanfare	Fanfare L	Fanfare U
42	Touchy Alarmist	TouchyAlarmist L	TouchyAlarmist U
43	Last Emperor	Last Emperor L	Last Emperor U
44	Euroneuro	Euroneuro L	Euroneuro U
45	Babylon	Babylon L	Babylon U
46	Str/Whistle	Str/Whistle L	Str/Whistle U
48	Back To The 60's	BackToThe60's L	BackToThe60's U
49	Wicked	Wicked L	Wicked U
51	Velo NRG	Velo NRG L	Velo NRG U
52	Circuit Bent	Circuit Bent L	Circuit Bent U
53	Arpeg<>Juno Pad	Arp<>Juno Pad L	Arp<>Juno Pad U
54	Didjeribbon	Didjeribbon L	Didjeribbon U
56	Faze Strings	Faze Strings L	Faze Strings U
57	Dual SynthKlavs	DualSynthKlavs L	DualSynthKlavs U
58	Pulsing Sweep	Pulsing Sweep L	Pulsing Sweep U
61	Mini 5th	Mini 5th L	Mini 5th U
62	Tubular	Tubular L	Tubular U
63	Synthboy Split	Synthboy Split L	Synthboy Split U
64	Water Orchestra	WaterOrchestra L	WaterOrchestra U
65	Road To Goa	Road To Goa L	Road To Goa U
66	Split of 5ths	Split of 5ths L	Split of 5ths U
67	Rain Drops	Rain Drops L	Rain Drops U
68	Wide Quark Rings	WideQuarkRings L	WideQuarkRings U
71	Tritouch Layer	Tritouch Layer L	Tritouch LayerU
72	Aquapeggios	Aquapeggios L	Aquapeggios U
73	OB Eight	OB Eight L	OB Eight U
74	Swynk	Swynk L	Swynk U
75	GR-300 Solo	GR-300 Solo L	GR-300 Solo U
76	Ring Split	Ring Split L	Ring Split U
77	Observatory	Observatory L	Observatory U
78	Tron Strings	Tron Strings L	Tron Strings U
81	Mirror Balls	Mirror Balls L	Mirror Balls U
82	Entropy	Entropy L	Entropy U
83	Template1	Tmp1:Trig Src.	Tmp1:Trig Dst.
84	Template2	Tmp2:ChorusSync	Tmp2:DelaySync
85	Template3	INIT PATCH	Tmp3:LFO Sync
86	Template4	Tmp4:Lower	Tmp4:Upper
87	Template5	Tmp5:Lower	Tmp5:Upper
88	Template6	Tmp6:Lower	Tmp6:Upper

PATCH LIST (PRESET)

No.	Patch Name	No.	Patch Name	No.	Patch Name	No.	Patch Name
A11	Spit'n Slide Bs	A31	Raging Bass	A51	Intervalic	A71	Wurly Piano 1
A12	Velo Decay Bass	A32	Blipper Bass	A52	Squared Away	A72	Wurly Piano 2
A13	Wall Bob	A33	JP-203	A53	Velo Syncoid	A73	Moody Organ
A14	Juno Sub Bass	A34	Rave Time	A54	Resonance Chord	A74	Org/Rotary~Ribon
A15	Subsonic Bass	A35	Fretless Bass	A55	Resorelease	A75	VK09 PercEchoes
A16	Big & Dark	A36	Dig Strat	A56	Waspy Synth	A76	Sine Lead
A17	Bass Flow	A37	Fire Wire	A57	Euro SAW	A77	Wichita Lead
A18	Juno Bass Vel	A38	Profilke Clavit	A58	Dance Sweep	A78	Creamy
A21	Dubb Bass	A41	Withmod Comp	A61	Trance Food	A81	Smoothy
A22	Juice Bass	A42	Juno Clav	A62	One Shot Reso	A82	Soaring Mini
A23	Dreams Are Made	A43	Gritty Power	A63	The Fat Guy	A83	Ribn F/B Lead
A24	Reso Bass Line	A44	Separate ways	A64	Spit Brass	A84	Sup-Jup Lead
A25	Bass Pedals	A45	For RPS	A65	Poly Sync	A85	Modular Lead
A26	Hard Core Bass	A46	Bread'n Butter	A66	Rave 5th	A86	Syncrosolo
A27	MC-202 Bass	A47	Silk 5ths	A67	UK Shorty	A87	Ripper
A28	Rubber SH-2	A48	Ancient Asia	A68	Old Rhodes	A88	Phantom Lead
B11	Whammy Mammy	B31	MOD Strings	B51	Stargate	B71	Brain Static
B12	Wicked Lead	B32	Jupitar Pad	B52	Lost in Time	B72	Compute
B13	Drefull Dt.	B33	Soft Strings	B53	Circular	B73	Pin Matrix
B14	Wiggle Mod	B34	Shan-gri-la	B54	Space Choir	B74	Space Cheese
B15	Feedback Lead	B35	Fine Wine	B55	Hypass Sweep	B75	Rough Day
B16	Crunch	B36	Glue Pad	B56	BPF Tides	B76	The Etruscan.
B17	Chaos Lead	B37	True Pad	B57	Matrix Sweep	B77	Varese
B18	Out of Control	B38	Foreboding	B58	MKS80 Bells	B78	Pipe Dream
B21	String Machine	B41	Skreachea	B61	Tiny bells	B81	Meteor
B22	Tron Vfns	B42	BPM Pulse 1	B62	Chimey	B82	Snowman
B23	Luxury Symph	B43	BPM Pulse 2	B63	Juno Arp	B83	Space Ghost
B24	Debussy	B44	Hi-Pass Puls	B64	Sonar Ping	B84	Ozone
B25	BPF Velo Strings	B45	Sample&Hold Me	B65	Air Harp	B85	Cool-a little....
B26	Detuned Str.	B46	MKS80 Space	B66	Velo FX Percs	B86	Electro Gulls
B27	Juno B81 Pad	B47	Arctic Sweep	B67	Quizzled	B87	Template 1
B28	Richland	B48	Replicant CS	B68	Intermittent	B88	Template 2

JP-8000 Specifications

Synthesizer Section

• Max. polyphony	8 voices
• Number of Oscillator	2 (OSC1, OSC2)
• Oscillator Type	OSC1: SUPER SAW, TRIANGLE MODULATION, NOISE, FEEDBACK OSC, SQUARE (PWM), SAW, TRIANGLE / OSC2: SQUARE (PWM), SAW, TRIANGLE
• Others	LFO1, LFO2, RING, SYNC, X-MOD, TVF (-12/-24dB, HPF/BPF/LPF), ENVELOPE (Pitch, Filter Amplitude)
• Parts	2 (Upper/Lower)
• Keyboard Mode	Single, Dual, Split
• Effects	Tone control (BASS, TREBLE) Chorus (12 types)=SUPER CHORUS SLW, SUPER CHORUS MID, SUPER CHORUS FST, SUPER CHORUS CLR, FLANGER SLOW, FLANGER DEEP, FLANGER FAST, DEEP PHASING SLW, JET PHASING, TWISTING, FREEZE PHASE1, FREEZE PHASE2 Delay (5 types)=PANNING L→R, PANNING R→L, PANNING SHORT, MONO SHORT, MONO LONG
• Preset Memory	Patches=128, Performances=64 (Each Performance include its own Lower & Upper Patch.)
• User Memory	Patches=128, Performances=64 (Each Performance include its own Lower & Upper Patch.)

Arpeggiator/RPS Section

• Arpeggiator/RPS	ON, OFF
• Modes	UP, DOWN, UP&DOWN, RANDOM, RPS
• Beat Patterns	1/4, 1/6, 1/8, 1/12, 1/16, 1/32, PORTA-A 1–11, PORTA-B 1–15, SEQ-A 1–7, SEQ-B 1–5, SEQ-C 1–2, SEQ-D 1–8, ECHO 1–3, MUTE 1–16, STRUMMING 1–8, REFRAIN 1–2, PERCUSSION 1–4, WALKING BASS, HARP RANDOM
• Range	1–4 oct (Arpeggiator only)
• Arpeggiator Hold	ON, OFF
• Tempo	20 to 250

RPS

• Patterns	48
• Resolution	24 ticks per quarter note
• Loop length	1–4 measures
• Gate Time	Real, Staccato, 33%, 50%, 66%, 100%
• Input Quantize	OFF, TRIPLET 1/16, 1/16, TRIPLET 1/8, 1/8, TRIPLET 1/4, 1/4
• Recording Method	Realtime (Loop Rec)
• Max. Simultaneous Input/Output Notes	8 voices

Motion Control

• Tracks	2 track × 2 set (SET A, B)
• Loop Length	1–8 measures
• Recording Method	Realtime (Loop Rec)

Others

• Keyboard	49 Keys (with velocity)
• Controls	Rotaries=22, Sliders=16 (except Audio Volume & Tempo) Ribbon controller (assignable), Velocity controller (assignable), Pitch Bend/Modulation lever
• Display	16-character, 2-line backlit LCD
• Connectors	Outputs (L/MONO, R), Headphone (stereo), Hold pedal, Control pedal, MIDI (IN, OUT)
• Power Supply	AC 117V/230V/240V
• Power Consumption	24W (AC117V)/28W (AC230V)/20W (AC240V)
• Dimensions	925(W)×349(D)×113(H) mm, 36-7/16×13-3/4×4-1/2 inches
• Weight	8.0 Kg /17 lb, 11 oz
• Accessory	AC cord

OPTIONS

- Expression Pedal EV-5
- Foot Volume/Expression Pedal FV-300L [BOSS]
- Pedal Switch DP-2
- Footswitch FS-5U [BOSS]
- Stereo Mixing Keyboard Amplifiers KC-500/KC-300

*Appearance and specifications are subject to change without notice.

Analog Modeling Synthesizer
JP-8000