

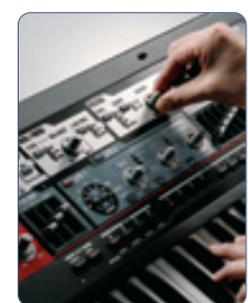
[ 49 keys ]



Put the Fun Back in Synthesis!

### Great Analog-Style Sound

Even though it's super fun and easy to use, the SH-201 is no toy when it comes to sound. With two beefy analog-modeling oscillators onboard, complete with Roland's famous Supersaw waveform and resonant filter, this little synth can blow down doors. It also comes with high-quality delay and reverb effects for adding depth and dimension to the sound, a saturation control for adding a rip-saw edge, and an arpeggiator for instant rhythmic motion.



### USB Connectivity

Connect the SH-201 to a computer (Mac or PC) with one simple USB cable. Send and receive MIDI and audio through the USB port. Take advantage of the VSTi editing software that's included with the SH-201 to manipulate sounds from your computer, and to save/organize patches remotely.



■ Dedicated editor that works in conjunction with a computer

### Ultra-Easy Operation

This is synthesis at its friendliest. The SH-201's front panel puts every control directly under your fingertips in a logically positioned signal path from left to right. No hidden menus, no nonsense. Just play and move the knobs and sliders. It's as simple as that! Students of synthesis will love the ease and immediate gratification of the SH-201. No other modern synth on the market is as fun, friendly, and inviting.

### External Audio Input

Playing the SH-201 from its keyboard is only half the fun. Try plugging another audio source into its external input (such as CD/MP3-player and samplers) and twist the sound with the front-panel knobs and sliders. Wave your hands over the SH-201's invisible D Beam and drive the audience wild!



# SH-201

Synthesizer



■ Rear Panel



		 
<b>Keyboard</b>	<ul style="list-style-type: none"> <li>61 keys (with velocity)</li> </ul>	
<b>Sound Generator Section</b>	<ul style="list-style-type: none"> <li>Maximum Polyphony: 128 voices</li> <li>Parts: 16 parts + Keyboard part</li> <li>Wave Memory: 256 MB (16-bit linear equivalent)</li> <li>Preset Memory: Performances=128, Tones=896 + 256 (GM2) + World, Rhythm Sets=32 + 9 (GM2) + World</li> <li>User Memory: Performances=128, Favorite Performances=100, Favorite Tones=100</li> <li>Effects: MFX=Upper and Lower/78 types, Chorus=3 types, Reverb=5 types</li> </ul>	
<b>Backing Track</b>	<ul style="list-style-type: none"> <li>Backing type: Style, Song, USB Memory Player</li> <li>Tempo (MIDI): 20 to 250</li> <li>Style Variations: 4 Intro, 4 Main, 4 Ending, 4 Fill In, Sync Start, Stop, One Touch Setting</li> <li>Song (16-track Recorder): 16-track, Rec mode (Mix, Replace), Count in, Punch In-Out, Input Quantize</li> <li>USB Memory Player: 999 songs, SMF=format-0/1, Audio File=WAV/AIFF/MP3</li> <li>Preset Memory: Styles=130 + World</li> <li>User Memory: Styles=100, Songs=200</li> </ul>	
<b>Size and Weight</b>	<ul style="list-style-type: none"> <li>Size: 1,045 (W) x 318 (D) x 102 (H) mm (41-3/16" x 12-9/16" x 4-1/16")</li> <li>Weight: 6.0 kg (13 lbs. 4 oz.)</li> </ul>	
<b>Other</b>	<ul style="list-style-type: none"> <li>Controllers: D BEAM Controller, Pitch Bend/Modulation Lever, Control Knobs x 2</li> <li>Display: 240 x 64 dots white graphic LCD</li> <li>Connectors: Output Jacks (L/MONO, R), Ext Input Jack, Headphone Jack, MIDI Connectors (IN, OUT), Hold Pedal Jack, Control Pedal Jack, USB Connectors=COMPUTER (supports USB MIDI)/MEMORY (supports USB 2.0 Hi-Speed Flash Memory)</li> <li>Power Supply: DC 9 V (AC Adaptor)</li> <li>Current Draw: 1,000 mA</li> <li>Accessories: Owner's Manual, CD-ROM (Style Converter 3.0, Playlist Editor), AC Adaptor (PSB-1U), Music Player Pad, USB Memory Protector</li> <li>USB (MIDI): Operating System=Windows: XP Home SP2 or later/Windows XP Professional SP2 or later/Windows Vista * This does not work with the 64-bit Edition of Windows Vista.</li> </ul>	

		   
<b>Sound Generator Section</b>	<ul style="list-style-type: none"> <li>Maximum Polyphony: 128 voices</li> <li>Parts: 16 parts</li> <li>Wave Memory: 128 MB (16-bit linear equivalent)</li> <li>Preset Memory: Patches=896 + 256 (GM2), Rhythm Sets=32 + 9 (GM2), Performances=64</li> <li>User Memory: Patches=256, Rhythm Sets=32, Performances=64</li> <li>Effects: Multi-Effects=3 systems/78 types, Chorus=3 types, Reverb=5 types, Input Effect=6 types, Mastering Effect=3 bands Compressor</li> </ul>	
<b>Connectors</b>	<ul style="list-style-type: none"> <li>Output jacks (L/MONO, R), Headphone jack, Input jacks (MIC/GUITAR/LINE (L), LINE (R)) (MIC=1/4" phone type or XLR type (phantom power) / GUITAR=1/4" phone type (always Hi-Z) / Line (L) (1/4" phone type), LINE (R) (1/4" phone type)), MIDI Connectors (IN, OUT), USB Connectors=COMPUTER (supports USB MIDI and USB Audio; Hi-Speed USB port required); MEMORY (supports USB 2.0 Hi-Speed Flash Memory)</li> </ul>	
<b>Size and Weight</b>	<ul style="list-style-type: none"> <li>Size: 294 (W) x 175 (D) x 55 (H) mm (11-5/8" x 6-15/16" x 2-3/16")</li> <li>Weight: 1.2 kg (2 lbs. 11 oz.)</li> </ul>	
<b>Other</b>	<ul style="list-style-type: none"> <li>Display: 128 x 64 dots organic EL graphic display</li> <li>Expansion Slots: Expansion of waveforms and patches for the internal sound generator SRX expansion boards=2 slots</li> <li>External Memory: USB Memory</li> <li>Signal Processing: PC interface=24 bits, AD/DA Conversion=24 bits</li> <li>SMF/Audio File Player Section: File Format=Standard MIDI file: format-0/1, Audio File: WAV, AIFF, MP3</li> <li>Number of Audio Input/Output Channels: Input=1 pair of stereo (MIC, GUITAR: Monaural/LINE: Stereo), Output=1 pair of stereo</li> <li>Power Supply: DC 9 V (AC Adaptor)</li> <li>Current Draw: 800 mA</li> <li>Accessories: Startup Guide, Manual, CD-ROM (Sound Editor, Librarian, Playlist Editor, USB Driver), CD-ROM (SONAR LE), Wrench, AC Adaptor (PSB-1U), Power Cord, USB Cable</li> </ul>	
<b>SonicCell Editor</b>	<p><b>System Requirements</b></p> <p><b>Windows</b></p> <ul style="list-style-type: none"> <li>Operating System: Microsoft® Windows® XP Home Edition/Professional, Microsoft® Windows Vista® *This does not work with the 64-bit Edition of Windows®.</li> <li>CPU/Clock: Pentium®/Celeron® processor 1.4 GHz or higher</li> <li>RAM: 512 MB or more</li> <li>Hard Disk: 160 MB or more</li> <li>Display/Colors: 1280 x 800 or higher/24 bit Full Color or more</li> <li>Others: A USB connector that supports USB Specification Revision 2.0 or higher *Intel chipset is recommended. *SonicCell may not perform to its full specs when used with an added USB 2.0 interface card., CD-ROM Drive</li> </ul> <p><b>Macintosh</b></p> <ul style="list-style-type: none"> <li>Operating System: Mac OS 10.4.3 or later</li> <li>CPU/Clock: PowerPC G4 1 GHz or higher/Intel processor</li> <li>RAM: 512 MB or more</li> <li>Hard Disk: 160 MB or more</li> <li>Display/Colors: 1280 x 800 or higher/1670 million colors or more</li> <li>Others: On-board USB 2.0 port, CD-ROM Drive</li> </ul> <p><b>Notes</b></p> <p>* Although Roland has tested numerous configurations, and has determined that on average, a computer system similar to that described above will permit normal operation of the SonicCell Applications, Roland cannot guarantee that a given computer can be used satisfactorily with the SonicCell Applications based solely on the fact that it meets the above requirements. This is because there are too many other variables that may influence the processing environment, including differences in motherboard design and the particular combination of other devices involved.</p> <p>■ Compatibility of the Plug-in Version * The following host applications have been verified to work properly with the plug-in version SonicCell Editor.</p> <p>■ VSTi version: CAKEWALK SONAR LE (Windows) / CAKEWALK SONAR 6.2 (Windows) / Steinberg Cubase 4 (Windows/Macintosh)</p> <p>■ Audio Units version: Apple Logic Pro 7.2 (Macintosh) * The following host applications have been reported to NOT work properly with the plug-in version SonicCell Editor.</p> <p>Steinberg Cubase SX3 (Windows/Macintosh) / Mark of the Unicorn Digital Performer 4.6 (Macintosh) * Though all of the host applications listed above performed properly in our testing, some of them may not work due to differences in inherent manufacturer design specifications and your operating environment. We cannot guarantee all the operations in these music applications.</p>	

		  
<b>Sound Generator Section</b>	<ul style="list-style-type: none"> <li>Maximum Polyphony: 128 voices (shared with the sampling section)</li> <li>Parts: 16 Parts</li> <li>Standard Wave Memory: 128 MB (16-bit linear equivalent)</li> <li>Sampling Data Format: 16-bit linear (File Type: WAV/AIFF)</li> <li>Sampling Frequency: 44.1 kHz (fixed)</li> <li>Maximum Sampling Time: Standard=16 MB (mono: 180 sec. approx., stereo: 90 sec. approx.), Maximum (expanded with DIMM)=528 MB (mono: 104 min. approx., stereo: 52 min. approx.)</li> <li>Number of Samples: User memory=2,000 (maximum total approximately 16 MB), Card memory=7,000 (PC card)</li> <li>Standard Waveforms: 1,480</li> <li>Preset Memory: Patches=1,152 + 256 (GM2), Rhythm Sets=40 + 9 (GM2), Performances=64</li> <li>User Memory: Patches=256, Sample Patches: 2,000, Rhythm Sets=32, Performance=64</li> <li>Card Memory (PC card): Patches=256, Sample Patches=7,000, Rhythm Sets=32, Performances=64</li> <li>Effects: Multi-Effects=3 systems/78 types, Chorus=3 types, Reverb=5 types, Input Effect=6 types, Mastering Effect=3-band Compressor</li> </ul>	
<b>Connectors</b>	<ul style="list-style-type: none"> <li>Headphone Jack, A (MIX) Output Jacks (L/MONO, R) (1/4" TRS phone type), B Output Jacks (L, R) (1/4" phone type), Input Jacks (L/MONO/MIC, R) (1/4" phone type), MIDI Connectors (IN, OUT, THRU), USB Connector (supports file transfer (mass storage class) and MIDI), Digital Audio Interface (COAXIAL INPUT/OUTPUT), AC Inlet</li> </ul>	
<b>Size and Weight</b>	<ul style="list-style-type: none"> <li>Size: 481 (W) x 355 (D) 45 (H) mm (18-15/16" x 14" x 1-13/16")</li> <li>Weight: 4.7 kg (10 lbs. 6 oz.)</li> </ul>	
<b>Other</b>	<ul style="list-style-type: none"> <li>Arpeggiator: Preset=128, User=128</li> <li>Rhythm Pattern: Preset=256 (32 groups), User=256 (32 groups)</li> <li>Chord Memory: Preset=64, User=64</li> <li>Display: Graphic 160 x 48 dots backlit LCD</li> <li>Expansion Slots: [Expansion of waveforms and patches for the internal sound generator] SRX expansion boards=6 slots, [Expansion of sampling memory] DIMM=1 slot (supports 128/256/512 MB (3.3 V))</li> <li>External Storage Device: PC card=1 slot (supports SmartMedia and CompactFlash using a PC card adapter)</li> <li>Power Supply: AC 117 V, AC 230 V, AC 240 V (50/60 Hz)</li> <li>Power Consumption: 13 W</li> <li>Accessories: Owner's Manual, Guide to the Added Functionality, Sample Data (Audio) CD, CD-ROM (Editor (Patch, Sample, Multi-sample), Librarian, S-700 series sample converter, USB MIDI driver), PC Card Protector (and 2 screws), Power Cord</li> </ul>	

		  
<b>Keyboard</b>	<ul style="list-style-type: none"> <li>49 keys (velocity sensitive)</li> </ul>	
<b>Sound Generator Section</b>	<ul style="list-style-type: none"> <li>Sound Generator: Analog Modeling Sound Engine (One MIDI part), Two Tones per Patch (Upper and Lower), 2 Oscillators with MIX/MOD + 1 Filter + 1 Amp + 2 LFO + 3 Envelopers</li> <li>Patch Memory: Preset=32, User=32</li> <li>Effects: Reverb, Modulation Delay</li> <li>OSC Section: Oscillator Waveform=SAW, SQUARE, PULSE/PWM, TRIANGLE, SINE, NOISE, FB OSC, Super SAW, EXT IN, Knobs=Pitch, Detune, PulseWidth/Feedback, Pitch Enveloper=Attack, Decay</li> <li>MIX/MOD Section: Oscillator Sync, Ring Modulation, Low Boost/Low Cut, Knob: Balance (OSC1/OSC2)</li> <li>FILTER Section: Filter Type=LPF, BPF, HPF (-12 dB/-24 dB), Knobs=Cutoff, Resonance, Key follow, Enveloper=Attack, Decay, Sustain, Release</li> <li>AMP Section: Knob=Level, Insertion Effect=Overdrive, Enveloper=Attack, Decay, Sustain, Release</li> <li>LFO Section: LFO Shape=TRIANGLE, SINE, SAW, SQUARE, TRAPEZOID, SAMPLE AND HOLD, RANDOM, Knobs=Rate, Destination 1 Depth, Destination 2 Depth, Tempo Sync ON/OFF</li> </ul>	
<b>Connectors</b>	<ul style="list-style-type: none"> <li>Output Jacks (L/MONO, R) (1/4" phone type), Headphone Jack, Input Jacks (L, R) (RCA pin type), MIDI Connectors (IN, OUT), USB Connector (AUDIO/MIDI), Pedal Jack, DC In Jack</li> </ul>	
<b>Size and Weight</b>	<ul style="list-style-type: none"> <li>Size: 884 (W) x 354 (D) x 107 (H) mm (34-13/16" x 13-15/16" x 4-1/4")</li> <li>Weight: 5.2 kg (11 lbs. 8 oz.)</li> </ul>	
<b>Other</b>	<ul style="list-style-type: none"> <li>Arpeggiator: Pattern template=32, Tempo=20 to 250 BPM *Full programmable with PC editor software</li> <li>Controllers: Pitch Bend/Modulation lever, D Beam Controller</li> <li>Recorder: Easy MIDI recorder, Number of Track=1, Tempo=20 to 250 BPM</li> <li>Power Supply: AC Adaptor (DC 9 V)</li> <li>Accessories: Owner's Manual, AC Adaptor (PSB-1U or ACI series), CD-ROM (USB Driver, Editor, Librarian)</li> </ul>	