

SH-32 Synthesizer

There's Nothing "Virtual" About This Synth.

The SH-32 Synthesizer is a nod to Roland's past with a look toward the future. This 4-part multitimbral synth uses new Wave Acceleration Synthesis to deliver up to 32 voices of fat synth waves and entirely new waveforms. There's also a full complement of knobs and sliders—plus analog-style drums, DSP effects and a killer arpeggiator—giving musicians desktop access to a range of stunning synth sounds at an unbelievable low price.



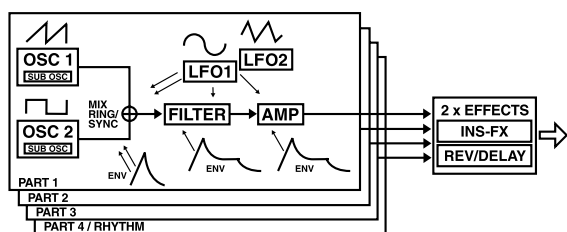
*Actual product appearance may be subject to change without notice.

- Powerful desktop synthesizer with massive realtime control
- New Wave Acceleration synthesis creates a variety of synth waves—67 total
- Includes standard synth waves plus new waveforms like Spectrum and Noise
- Up to 32-note/4-part multitimbral operation
- 2 main oscillators and 2 suboscillators with ultra-thick Subsonic mode
- Pulse width modulation and oscillator "hard" sync capability*
- Insert and Loop effects processors with 10 types of reverb/delay and 35 multi-effects
- Programmable arpeggiator for creating synth lines or drum patterns

*Patches using oscillator sync will be monophonic.

Introducing Wave Acceleration Synthesis

The SH-32 uses new Wave Acceleration Synthesis to overcome the limited polyphony and sounds of modeling-based synths. You get up to 32 voices, plus 67 waveform variations from traditional analog waves to entirely new waveforms like Spectrum and variable Noise. And when combined with the new Subsonic mode found in the suboscillator section, you can create everything from thick bass sounds to entirely new sounds not possible on traditional synthesizers. There's even drum maps with samples taken from the TR-808/909 Rhythm Composers.



Easy Knob and Slider Control

If you prefer creating sounds to using factory presets, you'll love the SH-32. Like Roland's instruments of the past, this tabletop synth is covered with all the knobs, sliders and buttons you need for direct parameter access. And because there are no hidden menus, the SH-32's display consists of a simple, 3-digit LED.

Programmable Arpeggiator

The SH-32's arpeggiator offers a variety of Preset templates, but can also be fully programmed. When used in combination with the Chord Memory function, you can produce complex arpeggios just like the ones heard in modern techno styles including trance. And with so many front-panel controls, programming is still ultra-intuitive.

Effects Processing²

Once you've created a sound, you can process it through the SH-32's two independent effects processors. The Loop processor gives you 10 varieties of reverb/delay effects, while the Insert processor offers 35 multi-effects algorithms. These include everything from distortion, compressor and pitch shifter to proprietary Groove effects like Slicer, Lo-Fi and Isolator.

An All-Purpose Performer

With its affordable price and compact size, the SH-32 is a great way to add fat synth sounds to your music. Use it with your favorite sequencing software or keyboard workstation, giving you bold new sounds. And when paired up with a Groovebox®, you've got a powerful desktop synth with cool, retro-style sequencing. So whether for live use or in the studio, the SH-32 will deliver the goods.



SH-32 Specifications

● **Effects INS-FX** (Insertion Effects): 35 types (STEREO EQ/EZ FILTER/ISOLATER/AUTO WAH/OVERDRIVE/DISTORTION 1/DISTORTION 2/STEREO COMPRESSOR/STEREO LIMITER/PHASER/ROTARY/HEXA-CHORUS/TREMOLO CHORUS/SPACE-D/STEREO FLANGER/STEP FLANGER/STEP FLANGER SYNC/RING MODULATOR/LOFI/LOFI NOISE/SLICER/SLICER SYNC/TREMOLO/TREMOLO SYNC/AUTO PAN/AUTO PAN SYNC/2-VOICE PITCH SHIFTER/FBK PITCH SHIFTER/STEREO DELAY/STEREO DELAY SYNC/LONG DELAY/LONG DELAY SYNC/RESONANCE DELAY/REVERB/GATE REVERB) ● **REV/DELAY** (Reverb/Delay): 10 types (REVERB ROOM/REVERB STAGE/REVERB HALL/STEREO DELAY/STEREO DELAY SYNC/LONG DELAY/LONG DELAY SYNC/PANNING DELAY/MODULATION DELAY/STEREO CHORUS) ● **System Low Boost**: ON/OFF ● **Sound Generator** 2x Oscillators (with Sub Oscillator, PWM, Oscillator Sync, or Ring Modulation), 1x Filter (LPF/BPF/HPE/PKG/OFF), 1x Amp, 2x LFO (7 forms) Note Patches using Oscillator Sync will

be monophonic. These patches can be used in one part at a time. Sub Oscillator, PWM, Oscillator Sync, and Ring Modulation cannot be used together in the same patch. ● **Parts 4** (or 3 + 1 Rhythm) ● **Maximum Polyphony** 32 voices ● **Wave Form** 67 waves (7 categories) for main oscillators, 63 rhythm waves for rhythm sets ● **User Memory** Patches: 128, Rhythm Sets: 2, Performances: 64 ● **Preset Memory** Patches: 128, Rhythm Sets: 2 ● **Arpeggiator** Style Programmable (Step Input/Realtime Input) Arpeggio Styles: 64, Rhythm Styles: 64, Tempo = 20.0—250.0 BPM ● **Chord Memory** Chord forms: 64 ● **Display** 8 segments, 3 characters (LED) ● **Connectors** Output Jacks (L/MONO, R), MIDI Connectors (IN, OUT), Foot Switch Jack, Headphones Jack (Stereo), AC Adaptor Jack ● **Power Supply** AC Adaptor (ACI series/PSB-1U) ● **Current Draw** 1,000 mA ● **Dimensions** 303 (W) x 228 (D) x 91.5 (H) mm/11-15/16 (W) x 9 (D) x 3-5/8 (H) inches ● **Weight** 1.9 kg/4 lbs 4 oz ● **Accessories** AC Adaptor (ACI Series/PSB-1U)

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