

Introducing the World's Most Expressive Synthesizer

Roland's original V-Synth set a new standard in expressive synthesis and sound design. It won awards and acclaim around the world, as it forever changed the way sounds were created and performed. But just when you thought V-Synth technology had reached its peak, Roland raised the bar even higher with the new flagship V-Synth GT! This unique instrument injects the V-Synth's famous Elastic Audio Synthesis engine with revolutionary Articulative Phrase Synthesis technology. Its expression and realism is unprecedented, as is its ability to make never-before-heard sounds.



*Actual product appearance may be subject to change.

- Multiple forms of advanced synthesis under the control of a friendly, icon-driven interface
- New AP (Articulative Phrase) SYNTHESIS technology models the performance behavior and nuance of musical instruments
- Includes Roland's proprietary Elastic Audio Synthesis engine plus Vocal Designer, playable simultaneously
- Sound Shaper II offers incredibly easy and efficient user programming
- Futuristic, high-quality industrial design
- Color touch-screen display with wide viewing angle

Multi Forms of Advanced Synthesis

By integrating a new dual core V-Synth engine, the V-Synth GT can combine Elastic Audio Synthesis, Vocal Designer technology, and AP-SYNTHESIS in real time. Roland's proprietary VariPhrase technology is also integrated into the V-Synth GT. Together with its analog-modeling engine, External Audio input, and digital sampling architecture, the V-Synth GT provides an incredibly wide and colorful foundation on which to capture, manipulate, and create sounds.

AP-SYNTHESIS

The V-Synth GT is the first synthesizer in the world equipped with AP (Articulative Phrase) SYNTHESIS. This revolutionary form of modeling recreates the ever-changing behavior, nuance, and sound of an instrument as it's being played. The results are stunningly expressive and realistic, and can be applied to acoustic instrument simulation as well as new, never-before-heard sounds.

Speed Programming

Serious sound designers will love the complexity and editing depth the V-Synth GT, but there are many instances where musicians need fresh sounds fast — and that's the beauty of Sound Shaper II. Based on the original Sound Shaper, this enhanced mode lets you choose a sound type, then it brings the most relevant parameters directly to the surface. You'll be creating new sounds in seconds!

Futuristic Design

The V-Synth GT is a top-of-the-line instrument. No corners were cut in creating its futuristic yet friendly layout and design. New front-panel features include a color touch-screen with eight universal control knobs, and the addition of dedicated buttons and sliders to make access faster and easier. From top to bottom, front to back, this is an instrument that says "first class".

Rear Panel



V-Synth GT Specifications

■ **Keyboard** 61 keys (with velocity and channel aftertouch), Dual Elastic Audio Synthesis Core with AP-Synthesis and Vocal Designer ■ **Sound Generator Configuration** Oscillator (envelope x 4 + LFO x 1), Modulator x 1 per Tone, COSM (envelope x 2 + LFO x 1) x 2, TVA (envelope x 1 + LFO x 1) x 1, Tone FX x 1, AP-SYNTHESIS (Articulative Phrase Synthesis) x 1, Vocal Designer x 1, *Shared by both Upper and Lower Tone ■ **Methods by Which Oscillators Produce Sound** PCM/VariPhrase (Preset waveforms + Sampling waveforms), Analog Modeling (14 waves: SAW, SQUARE, TRIANGLE, SINE, RAMP, JUNO, HO-SAW, HO-SQUARE, NOISE, LA-SAW, LA-SQUARE, SUPER-SAW, FEEDBACK-OSC, X-MOD-OSC), External Input ■ **Modulator 4** Modulation types (RING, FM, ENV-RING, OSC-SYNC), MIX and STEREO-MIX ■ **COSM** 16 types (ODDS, W-SHAPE, AMP, SPEAKER, RESONATOR, SBF1, SBF2, COMB, DUAL, TVF, DYN-TVF, COMP, LIMITER, F-SHIFT, LO-FI, TB-FILTER) ■ **Zones (Splits for Rhythm/Filter Bank)** 16 Zones per Tone ■ **Maximum Polyphony** TBA (Varies depending on the load placed on the sound generator) ■ **Internal Memory** Project: 1, Patches: 256, Tones: 512, Waves: TBA, Wave memory (RAM): TBA (64 M bytes) ■ **External Storage Device** USB Flash Memory ■ **Effects** Tone FX: 2 (41 types Multi-effects), Chorus: 1 (8 types), Reverb: 1 (10 types), *Shared in the both of Upper and Lower Tone ■ **System EQ** 4 bands ■ **Sampling Frequency** Internal: 44.1 KHz, Digital Audio IN/OUT: 96, 44.1 KHz ■ **Signal Processing** Internal Processing <Sound generating section>: 32 bits (floating point) <Effects section>: 24 bits (fixed point) <DA Conversion>: 24 bits <AD Conversion>: 24 bits ■ **Nominal Output Level** MAIN OUT: +4 dBu,

DIRECT OUT: +4 dBu ■ **Nominal Input Level** INPUT (LINE): -20 dBu, INPUT (MIC): -46 dBu ■ **Arpeggiator** * Patterns: User programmable (support use of control change messages), Motifs: 8 types, Tempo: 20 to 250 BPM * Shared in the both of Upper and Lower Tone ■ **Multi Step Modulator** Tracks: 4, Steps: 16, Tempo: 20 to 250 BPM ■ **Display** Graphic 320 x 240 dot matrix TFT LCD with touch screen ■ **Controllers** Pitch Bend / Modulation Lever, Time Trip Pad, D Beam Controller (Twin beam), Assignable Control Knobs (C1, C2) ■ **Connectors** Headphones Jack, Main Output Jacks (L/MONO, R) (1/4 inch phone type), Direct Output Jacks (L, R) (1/4 inch phone type), Input Jacks (L, R) (1/4 inch phone type), Hold Pedal Jack, Control Pedal Jacks (1, 2) (assignable), MIDI Connectors (IN, OUT, THRU), USB Function Connector (supports USB 2.0 file transfer, USB 1.1 USB-MIDI and Audio Streaming), USB Host Connector (supports USB 2.0 Flash Memory), Digital Audio Interface (24-bit, IEC60958), COAXIAL (IN, OUT), OPTICAL (IN, OUT), AC Inlet ■ **Power Supply** AC 115 V, AC 117 V, AC 220 V, AC 230 V, AC 240 V (50/60 Hz) ■ **Power Consumption** TBA ■ **Dimensions** 1066 (W) x 411 (D) x 125 (H) mm / 42 (W) x 16-3/16 (D) x 4-15/16 (H) inches ■ **Weight** 14.1 kg / 31 lbs 2 oz ■ **Accessories** Owner's Manual, CD-ROM (USB Driver for Windows/MacOS), USB Memory Protector, Power Cord ■ **Options** Keyboard Stand: KS-12, Pedal Switch: DP, Foot Switch: BOSS FS-5U, Expression Pedal: EV-5, BCSS PV-300L.

* 0 dBu = 0.775 Vrms

* The specifications are subject to change without notice.