

JUPITER-6

6-voice polyphonic synthesizer

MIDI
MUSICAL
EXPERIMENT
DIGITAL
INTERFACE



Designed for the musician who demands the utmost in performance and reliability, the JUPITER synthesizers from Roland are the finest performance oriented polyphonic synthesizers available at any price.

The now legendary Jupiter 8 is joined by the Jupiter 6 to give consumers a choice of features and price bracket. The Jupiter 6 provides two powerful VCO's per voice as well as a depth of control and performance features normally found only on elaborate modular systems.

Benefiting from the ground breaking technology of the Jupiter 8, the Jupiter 6 is more than the little brother of this industry standard. Combinable Waveforms, 32 Patch Preset Pairs, MIDI, and greater control of Modulation parameters make the Jupiter 6 a unique and special instrument.

48 Patch Memories with Cassette Storage (load and dump) insure that the right sound is only a button away. 32 Patch Preset Pairs give the Jupiter 6 user more combinations of split keyboard sounds and these pairs can be changed by means of a DP-2 foot pedal. Should power be interrupted for any reason, a built in battery preserves the data in memory. Cassette interface data is transmitted at around 3,200 bauds so an entire program can be completely recorded in approximately 15 seconds.

A variety of Split Keyboard Modes allow either two voices left and four voices right or four voices left and two right. Four Keyboard Assign Modes including: Poly 1, Poly 2, Unison Solo, and Solo/Unison insure the performer the flexibility to match the style and mood of music that is being played.

Highly reliable digital LFO, ADSR, and Portamento give the user unprecedented accuracy and flexibility in these vital functions.

Auto-Tune insures that all twelve oscillators can be precisely tuned in an instant. A Detune key in the Solo/Unison mode allows up to six different VCO pitches to be detuned for impressive ensemble effects.

The Arpeggio can be used over up to four octaves and in either up, down, or up and down patterns. The Arpeggio can be externally gated for sequencer like lines. Key Follow in the Envelope section is continuously variable giving the user the capability of creating both amazingly real piano sounds and impressive synthesizer effects.

SPECIFICATIONS

- Keyboard: 61 keys (5 octaves, C-scale) • VCO MOD: LFO (10 oct.), ENV-1 (5 oct.), VCO-1 (on/off), VCO-2 (on/off) • PWM: PW (50%~100%), PWM (LFO \pm 48% from PW level, ENV-1 same as LFO) • VCO-1: Range (32 \sim 2' in chromatic), Waveform (\sim \wedge , \wedge , \square , \square), Cross MOD (ENV-1, manual) range (high 2 \sim 5', low 1.5Hz~50Hz), Waveform (\sim \wedge , \wedge , \square , noise), Tune (\pm 50 cent) • SYNC: VCO-1 to VCO-2 on/off, VCO-2 to VCO-1 on/off
- Mixer: VCO-1 mix, VCO-2 • VCF: Mode (LPF 24dB/oct., BPF 12dB/oct., HPF 24dB/oct.), Cutoff FREQ (5Hz~30kHz), Resonance (Peak gain 15dB), ENV (10 oct., ENV-1/ENV-2 select), LFO (10 oct.), KYBD follow (0%~120%) • VCA: Dynamic range 60dB, ENV-2 level, LFO • ENV-1: Attack time (0~18s), Decay time (0~20s), Sustain level (0~100%), Release time (0~20s), Key follow (0~120%)
- Polarity (\sim \wedge) • ENV-2: Same as the ENV-1 except the Polarity switch • LFO: Rate (0.04Hz~100Hz), Delay time (0~2s), Waveform (\sim , \wedge , \square , \square)

REAR PANEL



- L.J.: random), Random special high frequency (400Hz) • Glide: Portamento or glissando, Time (0~1.6s/oct) • Arpeggio: Rate (1~25Hz), Range (1~4 oct.), Mode (up, down, up & down, down & up)
- Assign: Solo, Solo unison, Unison detune \pm 50 cent, Poly-1, Poly-2 • Hold (upper, lower) • Key mode: Split 4-2, Split 2-4, Whole • Panel mode (upper or lower)
- Memory section: Bank (A~F, 6 banks), Number (1~8, 6 x 8, 48 memories), Patch preset (4 banks x 8, 32 presets), manual, write • Tape memory: Load, Verify, Save • Master tune: \pm 50 cent, Compu tune time (0.3s) • Bender: Lever, On/off buttons (VCO-1, VCO-2), Bend width (3 oct. fixed), VCO SENS (1 oct. variable), VCF SENS (5 oct. variable) • LFO-2: On/off button, VCO SENS (\pm 100 cent), VCF SENS (\pm 4 Rate (1~10Hz), Rise time (50ms~1s) • Output: Volume (master volume), Balance (lower, upper), Carrom (IMP: 600 Ω), Level attenuator (0dB~15dB/-30dB), Phones • EXT controls: Arpeggio clock in, Patch shift, Pedal hold, VCA control (0~20dB), VCF control (-6~+2 oct.) • Others: Memory protect switch (on/off/on), Load input, Save output, MIDI (In, Out, Thru, 5-pin DIN) • Dimensions: 1063(W) x 120(H) x 434(D)mm (41.9" x 4.72" x 17.1")
- Weight: 16 kg (35.2 lb)

- Options: KS-20 stand (KSA-20: Adapter to allow use of KS-20 with JUPITER-6), FV-200 foot volume, DP-2 pedal switch, TB-8 aluminum case

