Kurzweil SP7 Grand

Kurzweil unveiled their new SP7 Grand Stage Piano at NAMM 2022. The SP7 Grand is designed upon the new synthesis platform A.T.S.T. and marks a new era in Kurzweil technology. Built around the custom semiconductor, A.T.S.T. features high fidelity audio, streamlined sound programming and boasts near seamless velocity layer transitions.

256 voices of Polyphony allow serious polyphony to power your most demanding performances. The SP7 Grand offers 307 presets organized into 13 categories and features the German "D" 9 ft. Concert Grand derived from the K2700.

Fueled by the German 9″ grand piano samples found in our flagship K2700 workstation, the SP7 Grand A.T.S.T. engine provides significant advances in realism through support of higher resolution audio, smooth velocity transitions and a 2x oversampling filter.

The SP7 Grand pianos are further enhanced by the use of both string and pedal resonance modeling, envelope/velocity controlled key-off samples as well as half-damper pedaling, together delivering a heightened piano performance experience. A half-damper pedal sold separately.

21 effect algorithms are available to enhance the SP7 Grand's rich sound, including reverb, BPM-synced delay, chorus, flange, compression, various distortion types, rotary speaker, tremolo, wah-wah and eq.

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Friday, 17 June 2022 19:40

Discover the TP100LRG key action, featuring the latest technology from Fatar, the world's leading piano keybed manufacturer. The action is ideally balanced for feel and playability, serving a variety of playing styles. The SP7 Grand offers 16 performance zones for creating your own sonic split/layer combinations along with a host of customizable controllers.

The SP7 Grand Hybrid-Arpeggiator combines both a step-sequencer and note-arpeggiator. This original twist on the classic arpeggiator design is capable of generating endless possible musical phrases.

~~Auto-stabilize the pitch of the mic input as well as adjust the signal's vibrato and~~ legato qualities. Further process your vocals and automatically generate up to 4-part harmonies in real-time as well generate as vocoder-like effects. Navigate the SP7 Grand via its elegant 1024 x 600 pixel, high resolution, 7? color LCD touch screen.

The 2-in-2 out 24 bit/48 kHz audio interface easily connects to your Mac/PC via USB. Mix with the various effects on the SP7 Grand to create new sounds. Loopback functionality further expands the production capabilities.

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Express yourself and enhance your performances using the SP7 Grand's pitch/mod joystick, 8 knobs, 8 buttons, 2 switch pedal inputs and continuous control pedal input. A dedicated -/+ transpose controls conveniently located on the left front panel.

Technical Specifications

- Keyboard: 88-note, fully-weighted hammer-action (Fatar TP100LRG)
- Display: 1024 x 600 pixel, high resolution 7″ color LCD touch screen
- Polyphony: 256
- Multitimbral: 16 parts (one per MIDI channel)
- Architecture: A.T.S.T. – Authentic Timbre Synthesis Technology Featuring fixed PCM, subtractive with variable filter and 2x oversampling state variable 96 kHz filter
- Factory Samples: 2 GB
- Factory Programs: 307
- Factory Multis: 512
- User Multis: 128
- Multi Zones: 16
- General MIDI: GM2
- Piano String Resonance: Yes
- Piano Damper Resonance: Yes
- Master EQ: 4-Band
- Aux FX Busses: 2
- Insert Effects:
  - Reverb: 6 Algorithms
  - Modulation: BPM-Sync'd Delay, Chorus/Flanger, Rotary Speaker, Vibrato, Tremolo, Auto; Wah-Wah
  - Dynamic: Compression, Noise Gate
  - Distortion: Dist/Ovd/Tube/Fuzz, Bit Crusher
  - EQ: 4-Band, Hi/Low Shelf, Peak/Notch, Hi/Low Pass

- Vocal Pitch Correction: Yes / Automatic
- Vocal Harmony Generation: 4-Part
- Controllers: 1 Pitch/Mod Joystick
  - 8 Knobs
  - 8 Buttons
  - 2 Transpose switches
  - 2 Switch pedal inputs; supports a single half-damper pedal (1 switch/sustain pedal is included; half-damper pedals sold separately)
  - 1 Continuous Control Pedal Input (pedal sold separately)
- Arpeggiator: 8 – Hybrid-Arpeggiators
- System Sample Rate: 48kHz (max 192 kHz)
- System Bit Rate: 48 bit (fixed point)
- Analog Inputs: 2 XLR-1/4″ balanced combi
- Analog Outputs:
  - 2 1/4? Main
  - 2 1/4? Monitor
- Headphone: 1 back panel 1/4″ headphone output
- MIDI: In, Out
- USB MIDI: 1 Type B port
- USB Audio Interface: 2-In/2-Out; 24-bit/48kHz
- Software Editor: External Macro Synthesis Editor (coming soon)
- OS Updates: via USB (Engine firmware), via SD card (GUI firmware)
- Included Accessories:Power cable, Switch pedal, USB cable, 1/4″ TRS cable
- Height: 4.7″ (12 cm)
- Depth: 14.6″ (37 cm)
- Length: 52″ (132 cm)
- Weight: 36 lb (16.3 kg)
- Power:External 15VDC 2.5A Power Supply

www.sound-service.eu
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