

KORG

WAVESTATION SR

The legendary wavestation sound
in a compact, single-space rack module



av AV Synthesis System

550 Sounds ready to go

Korg's engineers have managed to shrink the Wavestation's complex synthesis circuitry into a single-space rack-mount package. Amazingly, they did so without sacrificing any of the instrument's exceptionally high sound quality; the SR features the same 24-bit digital processing and 32-voice polyphony as the rest of the Wavestation family. No scaled-down samples, no compromises, no sacrifices; pure Wavestation.

- The Wavestation SR, like its predecessors, features 32 digital oscillators, 32 digital filters, 64 envelope generators, and 64 LFOs. It also includes the very powerful Advanced Vector Synthesis and Wave Sequencing technologies.

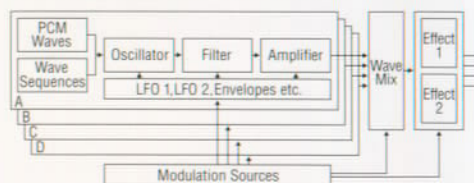
- Advanced Vector Synthesis allows you to create Patches using up to 4 waveforms from the 484 available, with the mix ratio controllable either in real-time via MIDI continuous controllers, or pre-programmed via a vector mix envelope. You can then stack up to eight of these Vector Patches in a single Performance.

- Wave Sequencing allows you to string together up to 255 waveforms to be played back one after the other with each key depression. Waveform, musical interval, duration and crossfade time can be set for each step in the Wave Sequence, making it possible to sequence melodies and rhythms, as well as complex, evolving sounds.

The Wavestation has developed a reputation as a programmer's instrument, with deep and powerful synthesis tools capable of producing sounds impossible on any other system. The Wavestation SR stays true to this tradition, and also offers more for the "non-programmer." The Wavestation SR features 3 RAM Banks and 8 ROM Banks, containing a "Best Of" collection from the vast Wavestation sound library. This gives you instant access to an incredible 550 Performances (600 when using an optional patch/performance card)!

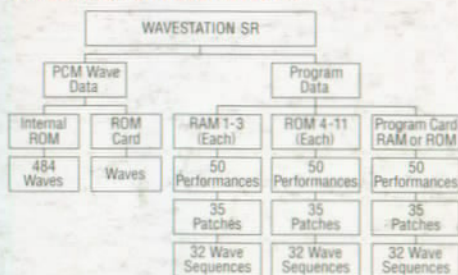
The Wavestation SR is packed with advanced technology, musical innovations, and the best sounds from every musical category; all at an excellent price!

AV SYNTHESIS SYSTEM BLOCK DIAGRAM



The programming flexibility and variety of the Wavestation Series has been passed on to the Wavestation SR – including the expanded PCM waveform memory and new effect algorithms of the Wavestation EX and A/D.

WAVESTATION SR BLOCK DIAGRAM



484 basic PCM waveforms, 352 Wave Sequences, and room to grow.

Like the Wavestation EX and A/D, the SR's PCM memory is double the size of the original Wavestation keyboard's. This means that you have 484 sampled and synthesized waveforms to use as raw sound material, including piano, drums, strings, horns, guitars, attack transients, synthesized sounds, and much, much more. Furthermore, it's possible to add more PCM waveforms via optional PCM cards.

These basic PCM waveforms can be utilized by themselves, or used to create Wave Sequences which can be processed in exactly the same way as the basic waveforms.

Dual effects processors provide up to 6 effects at once. Dynamic MIDI modulation integrates the effects into the synthesis process, for more expressive sounds.

The Wavestation SR boasts 55 different effect algorithms, including high-quality reverbs, complex delays, rich choruses, ripping overdrive, and more. You can modulate the effects in real-time with MIDI controllers, so that the Modulation Wheel can control the reverb mix, for instance, or a foot pedal the overdrive's "wah" frequency.

550 Performances onboard ranging from emulative sounds to unique Wavestation signature textures

In each of the Wavestation SR's Banks, you'll find a huge selection of versatile, high-quality Performances covering a wide range of sounds from sparkling digital synths, delicate pads and rhythmic Wave Sequences to searing leads, booming basses and fat analog synth sounds – plus hundreds of rich, complex timbres that would be impossible to create on any other synthesizer.

Wave Sequencing – taking an already powerful synthesis system to the next level

With Wave Sequencing, up to 255 separate waveforms can be linked together to create a single Wave Sequence. Using the separate values for waveform, musical interval, duration and crossfade time for each step in the Wave Sequence, you can create rhythmic and melodic Wave Sequences that loop indefinitely, or repeat a specified number of times; all by pressing down a single key. And, unlike a sampled rhythmic loop, rhythmic Wave Sequences maintain their tempo regardless of what key is played. Taking this technology a step further, Wave Sequences can also be synchronized to an external MIDI clock source such as a drum machine or sequencer.

Wave Sequencing is Sound Evolution

The power of Wave Sequencing is not just limited to rhythmic/melodic loops, however. Wave Sequences can use smooth crossfades to string together any number of different waveforms, creating a new composite, dynamic timbre. For instance, you can create a sound which evolves continuously from piano into french horn into bell harmonics into breathy vocals – using any of the internal or card waveforms as source material. You can use MIDI controllers, such as Velocity and the Mod Wheel, to select the starting waveform or sweep through the Wave Sequence manually, for real-time expressive control. Since Wave Sequences are used just like normal, simple waveforms, you can use several of them in a Patch as source material for Vector Synthesis, and then layer up to eight of those Patches together into a Performance, for incredibly complex, rich, multi-dimensional sounds.

A vast collection of emulative sounds, too!

In addition to the spectacular array of synthesizer sounds, the Wavestation SR also features emulative Performances including acoustic pianos, modern drums, shimmering strings, bold horns and more – a complete set of sounds for every musical situation.

Multitimbral Powerhouse

The Wavestation SR was designed from the ground up with multitimbral use in mind – just press a single front-panel button, and you're in Multi mode. Like the rest of the Wavestation family, the SR's Multisets can play a separate complex, split and layered Performance on each of 16 MIDI channels. But the SR has 32 Multisets – double the number of the Wavestation EX and Wavestation A/D.

Also new is the ability to set the panning and FX bussing for each MIDI channel, for MIDI-controlled mixes that can go directly from the Wavestation SR outputs to tape. With a special set of effects designed specifically for multitimbral use, you can even use a separate high-quality effect on each of the 4 individual outputs.

Supports new Korg PCM cards

The Wavestation SR comes ready for the future by supporting the new Korg PCM card format, which holds four times the sound data of the old Wavestation format. These are the same PCM cards that are used in the best-selling 01/W series, which already include such titles as Piano/Keyboards, Synth, Dance, Ethnic, Orchestral, and Best of M&T. Of course, the SR still uses the standard Wavestation patch/performance cards, so that it can draw from the existing library of cards from Korg and 3rd party developers.

Rear Panel



① MIDI (THRU, OUT, IN)
② OUTPUTS (4, 3, 2/R, 1/L)

Specifications

- System: Advanced Vector Synthesis System
- Wave Memory: 484 sampled and single-cycle waveforms
- Program Memory: 8 ROM banks, 3 RAM banks, and 1 card bank
- Tone Generator: 20-bit resolution, 32 voices including individual filters, amps, LFOs, and envelopes
- Macros: Voicing templates for Pitch, Filter, Amp, Pan, Env1, Keyboard Zoning, Velocity Zoning
- Effects: 55 effects programs. Up to 6 simultaneous digital effects, with dynamic modulation
- Performances: 550 internal, 50 in card
- Patches: 385 internal, 35 in card
- Wave Sequences: 352 internal, 32 in card
- Wave Sequence Steps: 5,500 internal, 500 in card
- Multi-Mode Setups: 32 multi-timbral setup configurations, 16-channel MIDI reception
- Card Slots: PCM data, PROG data
- MIDI: IN, OUT, THRU
- Extensive Multitimbral capability
- Display: 16 x 2 character back-lit LCD
- Outputs: 1/L, 2/R, 3, 4, headphone
- Power Consumption: 17W
- Dimensions: 435(W) x 262(D) x 45(H)mm
- Weight: 3.6 kg
- Accessories: Rack mount adapters, SYNC/MIDI cable

Sound Library

PSC Series (PCM, Patch/Performance card set)
 ●PSC-1S <DANCE> ●PSC-2S <ETHNIC> ●PSC-3S <SYNTH DESIGN>
 WPC Series (Patch/Performance card)
 ●WPC-11 <PERFORMANCE 1> ●WPC-12 <PERFORMANCE 2> by TIME BASE ●WPC-13 <PERFORMANCE 3> by SYNTHETIC PRODUCTIONS ●WPC-14 <ANALOG & VS>
 ●WPC-15 <DANCE/TOP 40> by SOUND SOURCE UNLIMITED ●WPC-16 <WAVESTATION OMNIBUS> by VOICE CRYSTAL ●WPC-17 <STUDIO COLLECTION> by KEY CLIQUE
 ●WPC-18 <U. K. MODERN> by SOUND SOURCE UNLIMITED ●WPC-19ex <FILM TEXTURES> by SOUND SOURCE UNLIMITED ●WPC-20ex <SONG FACTORY> ●WPC-00P



●WPC-11 ●WPC-12 ●WPC-13 ●WPC-14 ●WPC-15 ●WPC-16 ●WPC-17 ●WPC-18 ●WPC-19ex ●WPC-20ex

Options

●Memory Card RAM MCR-03 ●MIDI Data Filer DF1 ●Headphones KH-3000/KH-2000
 ●SYNC/MIDI cable (1.5m/3m/5m/1m+0.5m)



●MCR-03 ●DF1 ●KH-3000 ●SYNC/MIDI cable

● Specifications and features are subject to change without notice for further improvement. ● Color reproduction in printed materials may differ from actual product appearance.

NOTICE

Korg products are manufactured under strict specifications and voltages required by each country. These products are warranted by the Korg distributor in each country only. Any Korg product not sold with a warranty card or carrying a serial number disqualifies the product sold from the manufacturer's/distributor's warranty and liability. This requirement is for your own protection and safety.

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