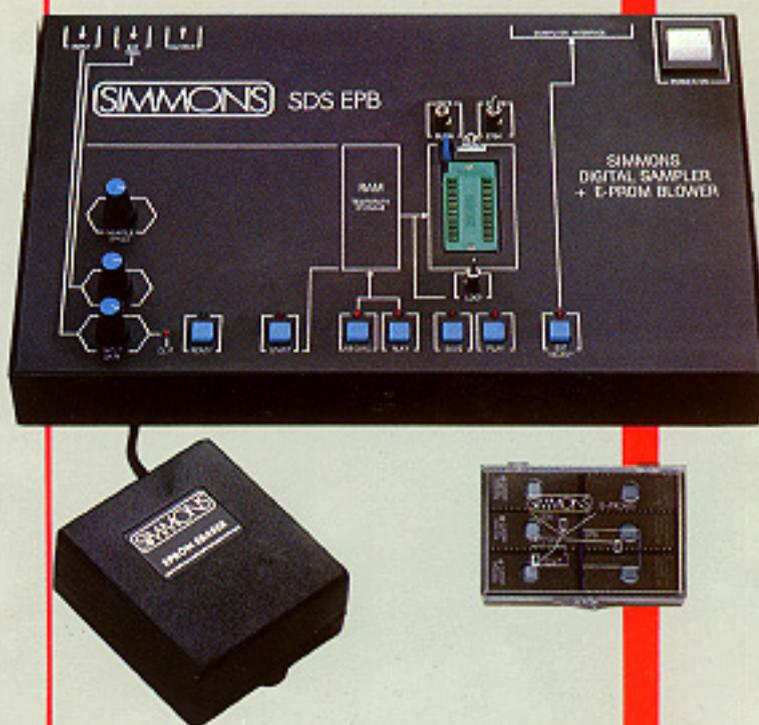




SIMMONS DIGITAL DRUMS

SDS EPB

The EPB forms the heart of the Simmons digital drum system. It can digitally record a percussive sound from a mic or line source, hold it in temporary storage for review and, if required, "burn" that sound into a chip of computer memory called an EPROM (erasable, programmable, read only memory). These sound chips can be installed in either SDS 1 or SDS 7 electronic drums and erased for re-use in the Simmons EPROM eraser. Two sizes of EPROM can be used — 64K for short, percussive sounds and 128K for longer, ambient sounds. Simmons can supply blank sets of EPROMS in "6 packs", each containing 3 x 64K and 3 x 128K chips.



LIBRARY SOUNDS

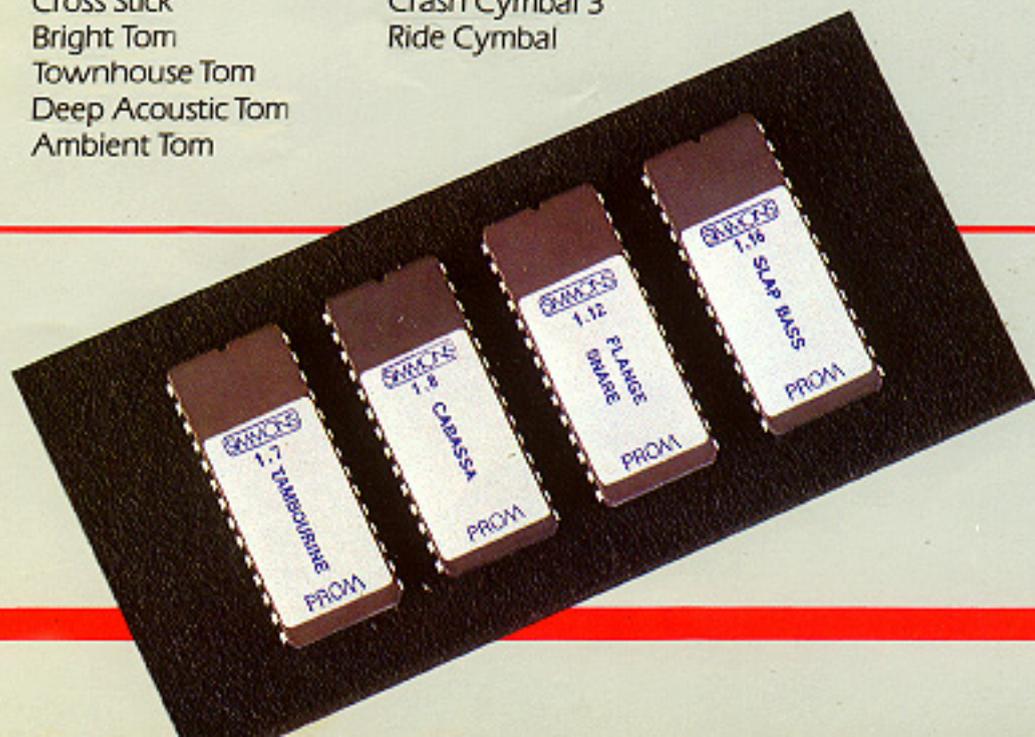
The following range of pre-sampled sounds are available from the sound chip library. They can be used in either SDS 1 or SDS 7 systems.

Bass 1
Bass 2
Tight Snare
Snare 2
Ambient Snare
Snare Crash
Electronic Snare
Flange Snare
Huge Wood
Rock Snare
Reggae Snare
Cross Stick
Bright Tom
Townhouse Tom
Deep Acoustic Tom
Ambient Tom

Hi Timp Tom
Med Timp Tom
Lo Timp Tom
Timbale
Tambourine
Cabassa
Guro
Cowbell
Closed Hi-Hat
Crash Cymbal 1
Crash Cymbal 2
Crash Cymbal 3
Ride Cymbal

Hi Timp
Lo Timp
Hi Bongo
Lo Bongo
Hi Rototom
Lo Rototom
Hi Conga
Hi Conga 1A
Lo Conga
Hi Marimba

Lo Marimba
Log Drum
Steel Drum
Temple Block
Claves
Shaker
Agogo Bell
Agogo 2
Claves
Vibra Slap
Finger Cymbal
Finger Snap
Orchestra
Engine
Drain Choir
Slap Bass
Bass Riff
Music
Tension Horn
Arpeggio
Extracts
Duck Call
Voice Choir
Whale Bone
Breaking Glass
Glass Reverse
Scream
Rattle Snake
Piano Pluck
Cold Shaker

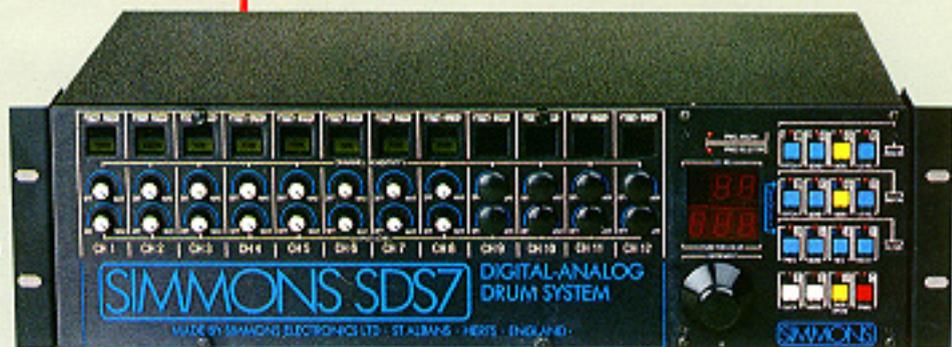


SDS 7

The SDS 7 is a modular electronic percussion system. The rack can house up to 12 voice modules, each with two independent sound sources; digital — interchangeable sound chips — and analog for synthesizing drum sounds.

Various functions can be applied to the notched, incremental controller allowing the following sound processing facilities. The pitch of the analog and digital sound sources can be controlled independently, as can the amount of bend (either up or down). Modulation of variable rate can be applied independently to each sound source and the depth of modulation can be controlled.

There is a noise generator, a variable click control to simulate the smack of stick against head and a flexible filter with control over cut-off frequency, filter sweep, resonance and decay. This flexibility provides an incredible



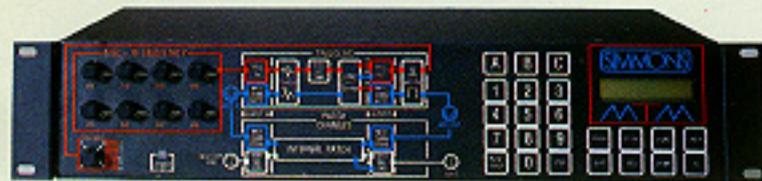
range of control, from synthesizing drum sounds to manipulating percussive samples and blending the two.

The SDS 7 can store a total of 99 drum kit programs, a drum kit being a group of sounds, one from each available voice module. Programs can be saved on an external RAM pack. Any 16 of the 99 drum kit memories can be accessed while playing with the unique selector pad.

The sounds can be dynamically controlled from drum pads, sequences and whole range of signals when used in conjunction with MTM.

MTM

MTM will greatly increase the playability and creativity of the SDS 7, and its ability to communicate with other instruments. It enables the SDS 7 to transmit and receive MIDI, including selector pad and hi-hat open/close information, giving access to the



facilities of MIDI recorders and the voices of other MIDI equipped synthesizers. The routing of trigger and MIDI information is fully

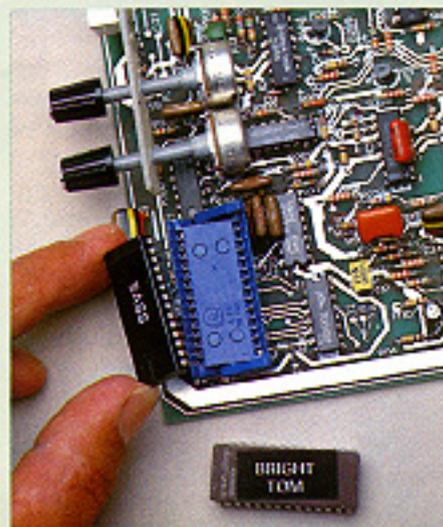
programmable as are the characteristics of the trigger curve allowing the dynamic response of the SDS 7 to be expanded and tailored to your playing style. Furthermore MTM provides an interface for the SDS 7 to be triggered cleanly and dynamically from miked acoustic drums or drum sounds on tape and features a whole range of dynamically controllable, MIDI implemented effects. These include a programmable repeat echo and layering of MIDI note information for building up chords from a single drum pad. MTM has numerous applications outside the SDS 7 system such as enabling the voices of MIDI equipped synthesizers to be played from drum pads and as a multi-track drum tape or acoustic drum set to MIDI converter.

SDS 7 SYSTEM ACCESSORIES

Low profile "Zero Insertion Force Socket" for quick, easy replacement of sound chips on SDS 7 voice modules.

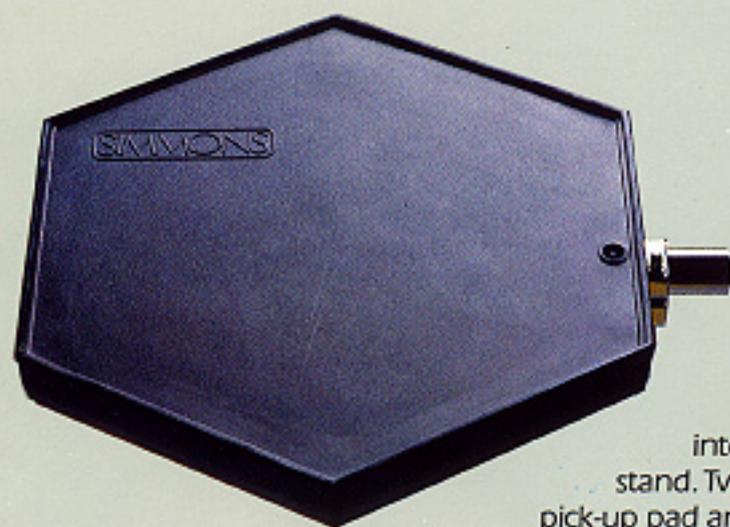
Rim shot snare package — facilitates the playing of rim shots and cross sticking on the snare drum.

Twin sample bass drum voice module with programmable sensitivity and "anti splat" trigger circuit for clean, punchy bass drum sounds.



SDS 1

The SDS 1 is a battery powered, self-contained digital drum with its interchangeable sound chip mounted on the front panel, protected by a removable cover. Sounds can be either selected from the library or personally sampled with the EPB. The SDS 1 is housed in a full-sized hexagonal pad. The rubber playing surfaces give a great drum feel and dynamic control over volume, pitch and bend (up or down), attack and brightness. Controls are provided for sensitivity, pitch, bend and volume along with connections for battery eliminator and external trigger, accepting signals from drum machines, sequencers, etc. Perhaps the most unique feature of the SDS 1 is the "run generator" which instructs the instrument to output the selected sound at a lower pitch for each consecutive strike of the drum. With control over run time and run amount, it is ideal for mimicking huge, multi tom tom fills from a single drum pad.

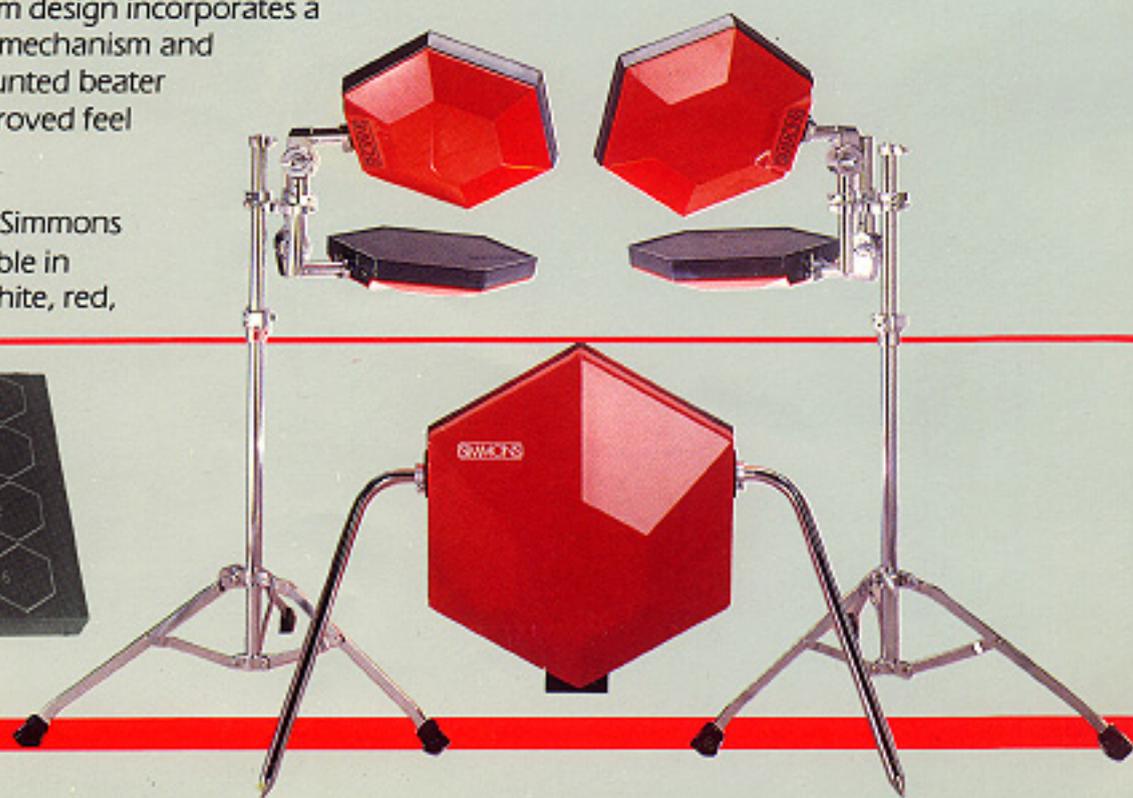
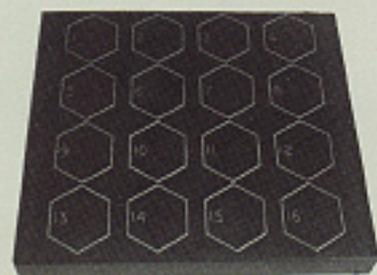


PADS

Considerable research and investment has resulted in the most advanced electronic drum pads currently available. The small drum pads are five piece injection mouldings using the most durable, high technology materials. The rubber playing surface floats within the rim to provide a superb feel and an uncompromised dynamic range. A conventional drum key operates a tough, integral clamp ensuring rigid mounting to the stand. Two versions are currently available; a single drum pick-up pad and a rim shot pad with a second isolated pick-up on the rim.

The new bass drum design incorporates a stable new clamping mechanism and features a piston mounted beater strike surface for improved feel and control.

The new range of Simmons drum pads are available in five colours; black, white, red, yellow and blue.



IMAGINE A SOUND CAMERA

An instrument that captures sounds — breaking glass, a water splash or even a drum.

Imagine bending and shaping those sounds to form exciting new ones.

Imagine having access to those sounds in a percussion instrument — unique to you, responsive to your playing.

Imagine linking this instrument with others.

Imagine a time when drums no longer have to sound like drums . . .



Simmons Group Centre Inc.

23917 Craftsman Road Calabasas, CA 91302 (818) 884-2653

GROUP CENTRE
ACCESSORIES

SIMMONS



ULTIMATE DRUM RACK



The Ultimate Drum Rack is a totally new concept in drum hardware, function and style. This versatile and completely adjustable modular drum mounting system has been designed specifically for use with Simmons Electronic Drums. The Ultimate Drum Rack features wide diameter black anodized aluminum tubing and synthetic drum clamps and fittings that have been thoroughly "road tested".

The Basic Rack includes enough hardware for a five-piece Simmons drumset: two T-Legs; one crossbar; four drum clamps;

bass drum clamps and support tubes; four velcro straps for securing cables; one large nylon tote bag. (Drum pad and cymbal mounting arms are not included.)

Extension Arms are available in pre-packaged pairs and come with two T-Legs; two crossbars; four drum clamps; four velcro straps. (Mounting arms not included.)

For larger electronic drum setups, additional individual drum clamps are also available.



BASIC RACK WITH EXTENSIONS



BASIC RACK



DOUBLE/TRIPLE FLOOR STANDS

Group Centre's heavy duty floor stands come with two drum pad mounting arms and will hold any combination of up to three drum pads or cymbal arms at any angle with complete security. Slip-resistant nylon fittings and a quick-release

clamp and memory lock system will adjust the stand to any height. Double-braced legs and oversized rubber feet make this black finished stand the perfect Simmons Drum accessory.



DOUBLE/TRIPLE FLOOR STAND

DRUM PAD MOUNTING ARMS CYMBAL MOUNTING ARMS

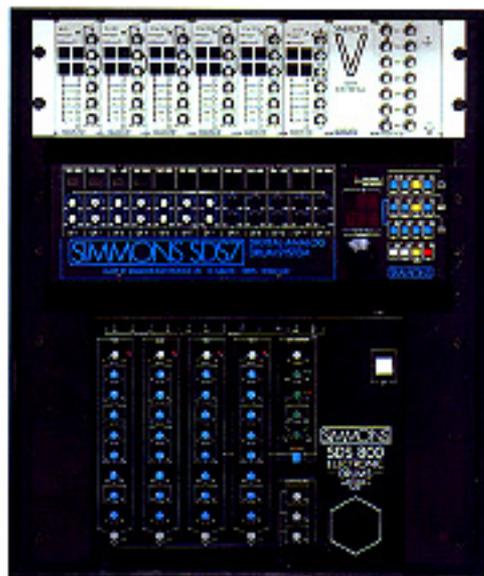
Ratchet-type drum pad and boom cymbal arms with a durable black finish will hold your pads and cymbals in any position. Together, they complete the high-tech look

and can be used with either the Double/Triple Floor Stands or Ultimate Drum Racks.



HEXAGONAL CYMBAL TRIGGER

For a "striking" visual impact, these uniquely different cymbals can be used to trigger sounds in the SDS7 rack. Choice of black, blue, red or white.



EDUCATIONAL PROGRAMS

As part of our continuing commitment to advancing the state of the percussive arts, Simmons Electronic Drums and Group Centre, Inc. have developed an extensive series of educational programs which are available through authorized Simmons drum dealers. In addition to providing today's top touring and recording drum artists for clinics and seminars, Group Centre also offers a variety of educational materials.

RACK EARS

With the quick and easy installation of Rack Ears, any Simmons rack/controller/programmer can be conveniently mounted in an amp rack cabinet. Specify SDS5, SDS7, SDS8, SDS800 or SDS9.

DRUM STICKS BY HOT STICKS

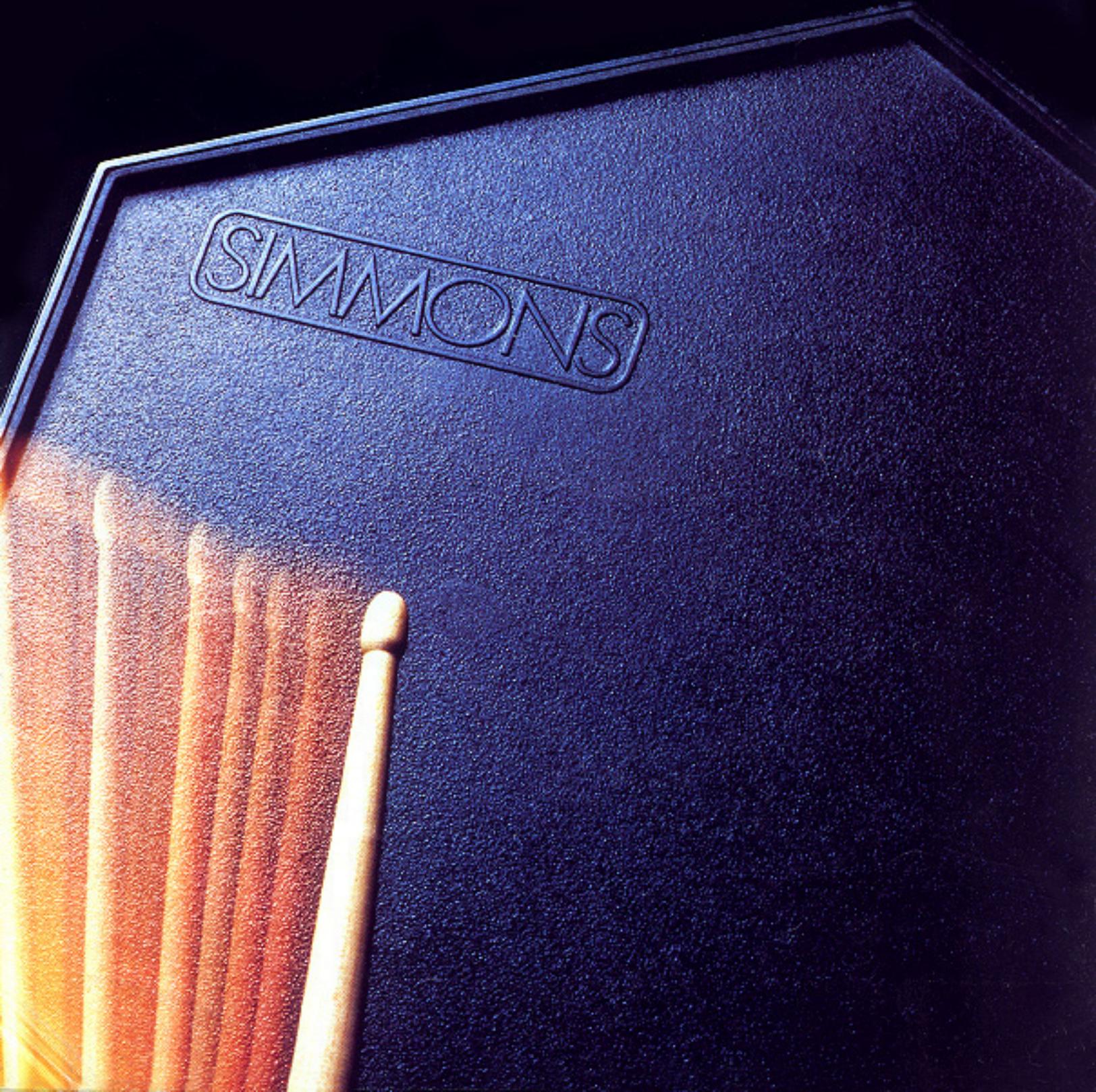
Available in four colors (Black, Blue, Red and White) and three sizes (Medium-5A, Heavy-5B and Extra Heavy-2B), Simmons Drum Sticks are made from select American hickory and specially designed with additional thickness in the neck for increased comfort and durability.



GROUP CENTRE, INC.
23917 CRAFTSMAN ROAD
CALABASAS, CA 91302
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THE SIMMONS SDS9
GIVE YOURSELF THE EDGE

SIMMONS



MUCH MORE THAN A MATCH FOR THE ACOUSTIC KIT

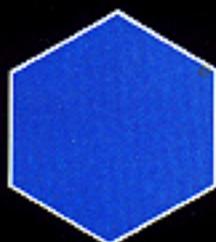
The new Simmons SDS9 is more than a match for the acoustic kit. Why? Because it's designed to give you everything any acoustic kit has to offer, and much more besides – the kit that's destined to add a whole new dimension to your art. Take a look at exactly what the SDS9 has to offer and see why it's got the edge.



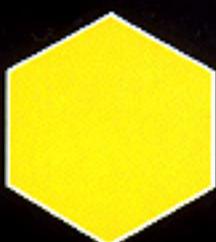
MATCHLESS COLOURS



RED



BLUE



YELLOW



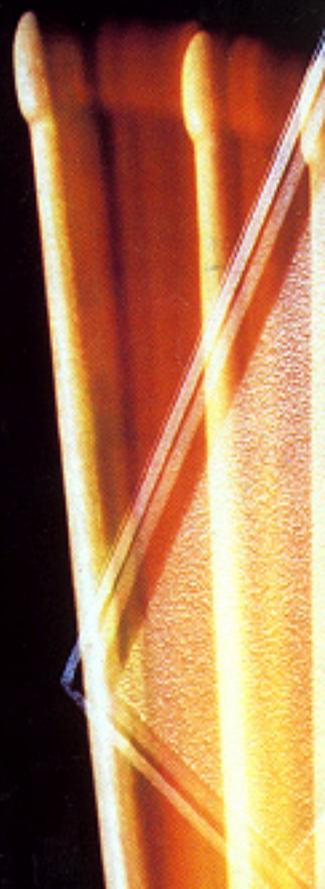
WHITE



BLACK

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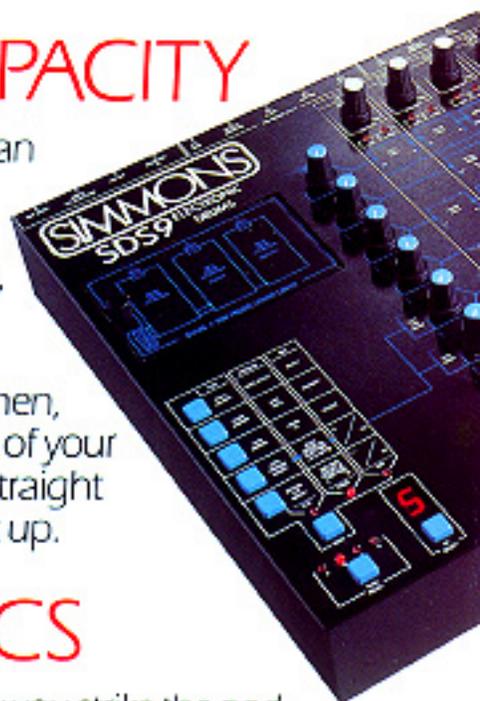


MATCHLESS MEMORY CAPACITY

The SDS9 can store as many as 20 user-programmed drum kits, as well as 20 more factory-programmed sets. And the kit's tape dumping capacity means you can store an infinite variety of your own personalised kits. What's more, changing between kits couldn't be easier with the SDS9's heavy duty footswitch.



It means you can move between any of your kits instantly. One minute, for example, you could be playing a reggae kit and then, with just a flick of your ankle, you're straight into a rock set up.



MATCHLESS DYNAMICS

The SDS9 heralds new heights of playing control and sensitivity.

The drum pad's triggers are read by a microprocessor and then, via logarithmic expansion, instruct the drum voice to sound instantly and in total

sympathy to the way you strike the pad. In simple English, that means the pad faithfully reproduces even the most subtle sticking to give you the kind of dynamic control that no other electronic kit has ever been able to offer.

MATCHLESS SNARE DRUM

But it's with the snare that the SDS9 really does come into its own. Held in the kit's computer memory are three, digitally-recorded acoustic snare samples – a snare hit, rim shot and cross stick. And you have program control over filter pitch, sweep and resonance, pitch, pitch bend (up and down), drum decay, noise level, choice of rim sound and balance between snare and rim.

And the snare's similarity to its acoustic equivalent doesn't end there. The pad has two pick-ups – one at the centre of the playing surface and another on the rim. So that you can play a rim shot and cross stick in precisely the same way as you would on an acoustic snare. Simmons replacement PROM sets further expand the versatility of the drum with matched studio quality snare, rim and cross stick samples or a variety of percussive special effects.





MATCHLESS PROGRAMMING FLEXIBILITY

The kit has three independent and fully programmable methods of synthesis: for bass, snare and toms.

The snare, as we've said, features digital recordings of an acoustic drum

The bass is a software-generated replica of a perfect acoustic recording and gives you program control over the pitch and level of the 'click' and 'thump' aspects of the sound.

The toms are also synthesised, with control over pitch, pitch bend (up and down), filter pitch and sweep, decay, noise-tone balance and click level. They also feature a unique 'second skin' switch to match the

sound and response of a double-headed acoustic tom sound as closely as possible.

And achieving the sounds you're after is as quick and easy as you could possibly want.

For example, while you're programming, there's no need even to play the drum pads. The kit's auto-trigger automatically activates the sounds of each drum dynamically, starting with the lowest and working up to the highest. Thus allowing you to review the entire sound spectrum before deciding which to keep.

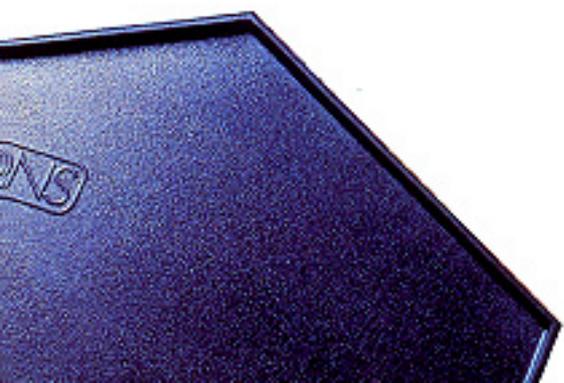
And, when you've programmed all the drums in your kit selection, you simply turn the auto-trigger to 'kit mode' and it plays all the drums in sequence as a final review.

MATCHLESS FEEL

With some electronic kits, the design of the pads is almost an afterthought. Not so with the SDS9.

At Simmons, we know that the quality of the drum head is all important. So we've used the latest high technology materials and moulding techniques, combined with an innovative, floating playing surface

to create a new style pad that guarantees excellent feel, without reducing dynamic response.



MATCHLESS EFFECTS

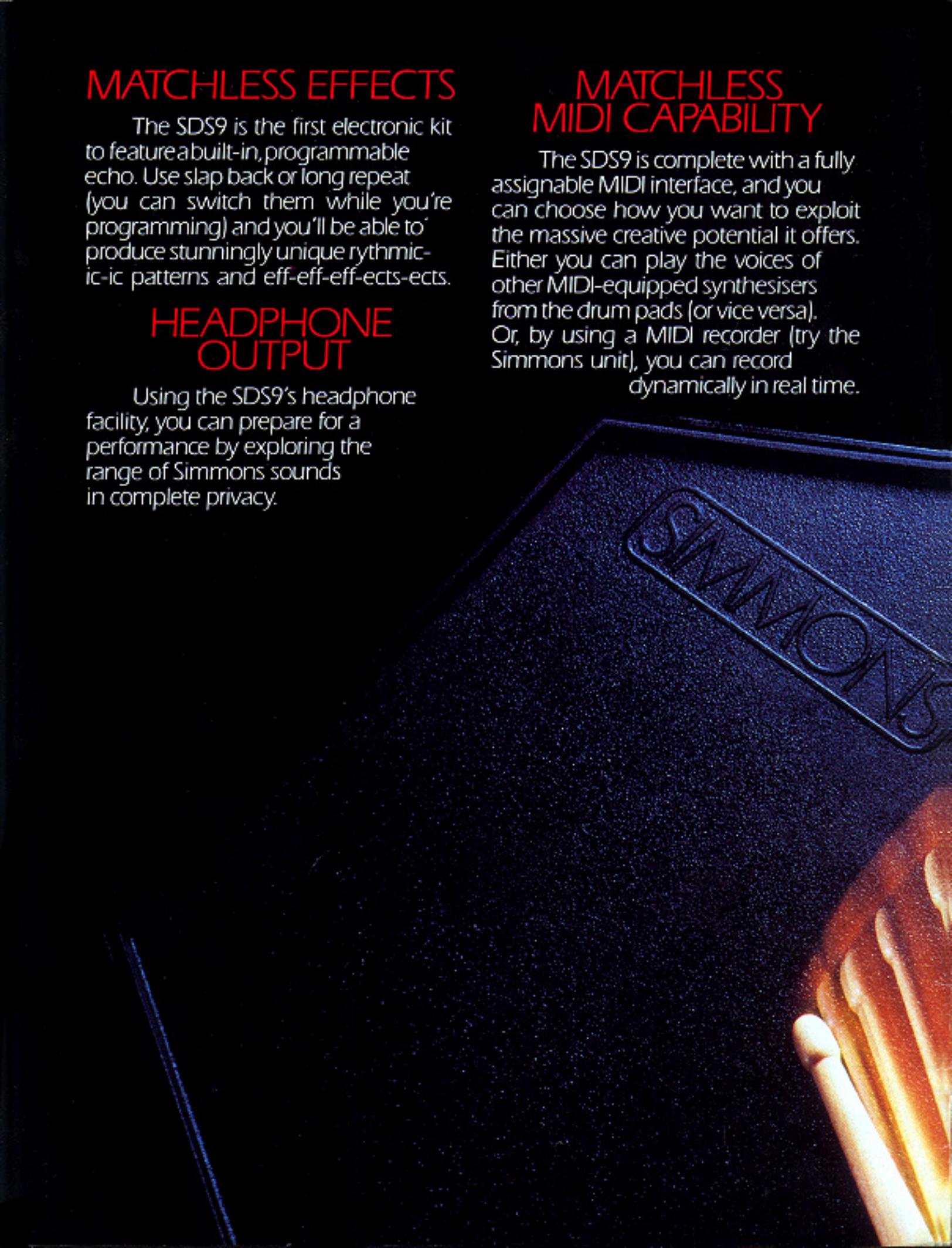
The SDS9 is the first electronic kit to feature a built-in, programmable echo. Use slap back or long repeat (you can switch them while you're programming) and you'll be able to produce stunningly unique rhythmic-ic-ic patterns and eff-eff-eff-ects-ects.

HEADPHONE OUTPUT

Using the SDS9's headphone facility, you can prepare for a performance by exploring the range of Simmons sounds in complete privacy.

MATCHLESS MIDI CAPABILITY

The SDS9 is complete with a fully assignable MIDI interface, and you can choose how you want to exploit the massive creative potential it offers. Either you can play the voices of other MIDI-equipped synthesizers from the drum pads (or vice versa). Or, by using a MIDI recorder (try the Simmons unit), you can record dynamically in real time.



SIMMONS