

### "Meet Moog and Make Music"

To help you learn the simple principles of the synthesizer and how to enjoy the Sonic Six, Moog has specially designed a program of lessons for small groups which you can take at your music store.

After learning the basic functions of the Moog and how to use the controls, you'll explore the different effects possible on the syn-

thesizer for both traditional and experimental music. As you progress through the eight exercises in the instruction book, you'll soon understand the versatility and opportunities available on a Moog synthesizer and be able to express your own musical ideas electronically.

Ask your dealer for information on the "Meet Moog" courses offered at his store.

#### FEATURES:

**TYPE:** A self-contained synthesizer system with four-octave keyboard and a monitor amplifier/speaker mounted in an attractive high-impact case.

**CONTROLS:** All controls are logically and conveniently grouped on the front panel in relation to their respective synthesizer functions.

**PANEL:** A tri-colored panel is arranged according to signal-flow functions. It is a polyester laminate offering exceptionally high scratch resistance.

**INTERCONNECTIONS:** Interconnections between functions are internal and are activated or inactivated by front panel switches and controls. Signal flow is clearly indicated by the front panel graphics.

**TONE OSCILLATORS:** Two independent oscillators that provide sawtooth, triangular, and rectangular waveforms are extremely pitch accurate and absolutely insensitive to temperature changes. A switch position is included for calibrating the keyboard to concert pitch (A=440).

**WAVEFORM GENERATORS:** Two generators that provide sawtooth, inverted sawtooth, triangular, and rectangular waveforms have individual rate control in addition to a master rate control to simultaneously control both generators in proportion to individual settings.

**RING MODULATOR:** This accepts signals from an external source (microphone, electric guitar, etc.) or from the tone oscillators and ring modulates them with internally produced waveforms.

**NOISE SOURCE:** A selector switch provides either white or pink noise.

**ARTICULATOR:** This voltage controlled amplifier and contour generator shapes a basic signal into final envelope patterns. Attack and decay rates are continuously adjustable.

**FILTER:** A lowpass filter permits selection of specific frequency bands. Resonance control varies the filter characteristic from lowpass to resonant.

**OUTPUT MIXER:** This mixer allows both ring modulator and oscillator outputs to be mixed with the primary signal.

**KEYBOARD:** The keyboard is a full 49-note, four-octave (C to C) unit with highnote, lownote priority polyphonic capability.

**LEFT HAND CONTROLLERS:** Conveniently placed to the left of the keyboard are linear controls for glide rate, master loudness, and pitch bending. The pitch bender incorporates the unique Moog Floating Touch principle for expressive playing.

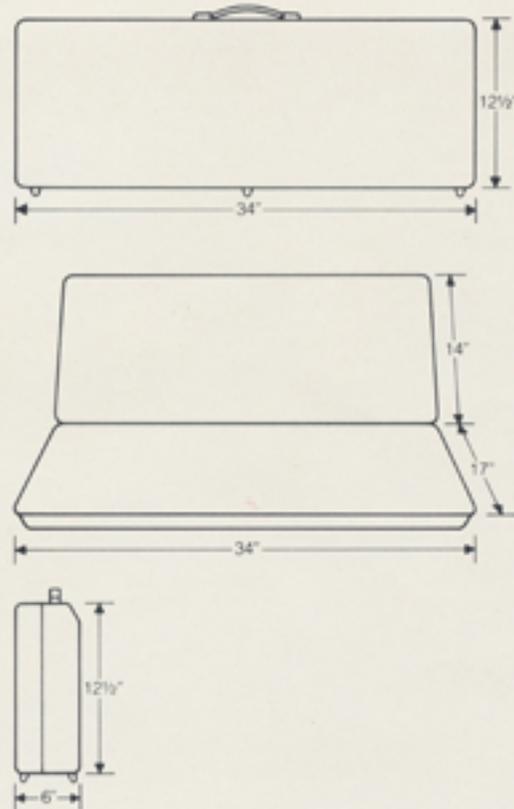
**POWER AMPLIFIER/SPEAKER:** This is a self-contained audio system that permits the SONIC SIX to be used without an external monitor system.

**OUTPUTS:** Two signal output jacks provide for use with an external audio system or tape recorder. A headphone jack allows the operator to monitor the output signal with headphones.

**AUDIO INPUT:** It accepts any external sound source for articulating, modulating and filtering.

**CIRCUIT BOARDS:** All circuitry is on circuit boards of highest quality fiberglass epoxy. They can be removed quickly and easily for convenient servicing.

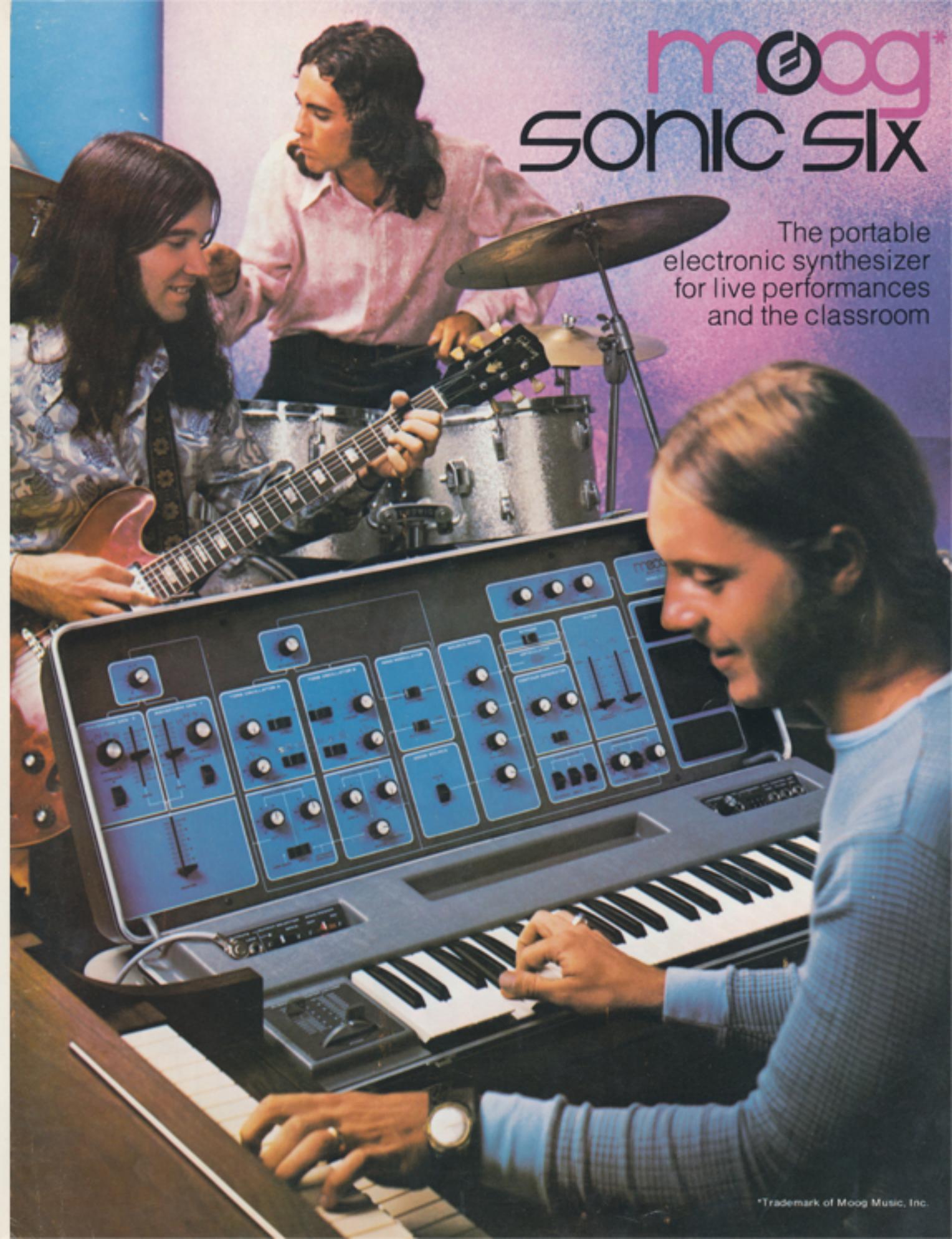
**POWER REQUIREMENTS:** 110-125 Volt AC, 50-60 Hz, 40 Watts maximum.



# moog<sup>®</sup>

## SONIC SIX

The portable electronic synthesizer for live performances and the classroom



moog

the first sound in synthesizers

Exclusive distributor:  
Norlin Music, Inc.  
7373 North Cicero Avenue  
Lincolnwood, Illinois 60466



©1974 Printed in U.S.A. 850303 RD

\*Trademark of Moog Music, Inc.



Now it's possible to bring the excitement of electronic music to your live performances or classrooms with a lightweight, portable synthesizer. The new Moog Sonic Six.

This versatile polyphonic

instrument augments the resources of any performing group for either traditional or experimental music. It will introduce completely new tone colors or can fill in for virtually any solo instrument.

Yet the Sonic Six is so simply designed it has unlimited flexibility for educational use. Students can concentrate on musical expression rather than mechanical operation as they explore and express their

musical ideas. Logical arrangement of controls, patchcordless programming and easy-to-follow signal panel graphics make it a self-teaching instrument.

With a Sonic Six you can generate melodic, harmonic and timbral structures to illustrate important musical materials. Students can easily grasp the basic concepts of music, the properties of sound, electronic music processes, the over-

tone series, tempered scales, rhythmic patterns, properties of instrumental sounds and the characteristics of human hearing.

The Sonic Six includes a four-octave polyphonic keyboard controller and monitor amplifier/speaker in a completely self-contained high-impact carrying case. The instrument incorporates all basic synthesizer sound generating, modifying and controlling functions, as well

as many other features usually found only on Moog studio synthesizers. It accepts a full range of standard accessories as well.

Performance controllers, including the exclusive Moog Floating Touch Pitch Bender, are located for convenient operation. Ring modulation, microtonal keyboard scaling, two-note keyboard capability and extended modulation resources contribute to its extraordinary flexibility.

Whether for live performance or educational use, you'll find the portable Sonic Six opens up exciting opportunities for musical expression. And, although the Sonic Six is priced unusually low, it is built with painstaking craftsmanship and tested for 200 hours by Moog. You can depend on the engineering design and quality of every instrument bearing the name of Moog, the first sound in synthesizers.

**moog**  
SONIC SIX

