EFFECTIVE
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moog® 1983 PRODUCT CATALOG

The people who started it all.

bob moog FOUNDATION

Memorymoog

Opus 3

The Source

Memorymoog-The Memorymoog is a programmable polyphonic synthesizer designed to give the performer as much musicality as possible in a computer-controlled instrument.

The Memorymoog has six voice cards. Each voice card employs a signal path similar to the Minimoog. The voice card has three oscillators with adjustable and combinable waveforms, routed through a mixer to the patented Moog filter. The filter and the voltage-controlled amplifier are each controlled by four-part contour generators.

Modulation capabilities are extensive: in the "Voice Modulation" section, each voice can use its filter contour or third oscillator to modulate the filter cutoff frequency and/or pitch and pulse width for the oscillators. The filter contour can control the amount of modulation effect. A separate "LFO Modulation" section can use up to four waveforms and/or sample & hold to modulate all voices simultaneously.

The Memorymoog will store 100 "patches" or programs. Programs are recalled by entering the number of the program directly into the system controller, a numeric keypad that accesses most of the functions of the instrument. 10 "program chains" — sequences of programs to be used in a song or set — can be stored, and stepped through with a footswitch.

The Memorymoog has a 61-note keyboard with several selectable keyboard modes that, depending on the mode selected, allow long notes to complete themselves uninterruptedly, or let repeated notes be sounded by the same voice. The "hold" function memorizes a chord of up to 6 voices and enables that chord to be played by one key. Glide is active in both the polyphonic and monophonic modes. In the monophonic mode, the number of voices assigned to the single key can be any number from 1 to 6. A self-contained arpeggiator automatically triggers any keys held down, in the following patterns: up, down and up-down, with octave expansions and keyboard latch. The amount of effect of the associated pitch and modulation wheels is programmable.

Several unique performance options are available. The contour generators can reset to zero with each retrigger or complete themselves unconditionally. A "keyboard follow" circuit changes the response of the contour generators as a function of keyboard location, allowing low notes to "ring" longer than high notes.

The Memorymoog has two programmable footpedals that can control pitch, filter cutoff frequency, modulation amount, sync sweep and/or volume.

The Memorymoog is a highly versatile instrument that is designed to be the base of any keyboard player's setup.

Opus 3-A polyphonic synthesizer producing Strings, Organ and Brass voices either individually or in any combination...and Moog engineering has created some truly outstanding features:

A chorus circuit for Strings and Organ with adjustable depth, speed and delay. Layered effects obtained using an articulation mode control which allows independent attack and decay contours for Brass and String voices. Five mixable footages in the Organ section.

Opus 3 also creates powerful polyphonic synth voicings by combining chorus with the completely variable patented Moog filter and LFO modulation. A stereo mixer with panning and level controls places each of these three main outputs within the stereo image.

The Source-The Source is a microprocessor-controlled, programmable monophonic synthesizer from Moog Music.

The time-tested Moog® sound is combined with the first system to truly take advantage of the computing power of a microprocessor, resulting in an instrument with these features:

A unique touch panel eliminates the need for a panelful of switches and knobs; all variable functions are handled by a master incremental controller.

A self-contained digital sequencer will store two real-time sequences of up to 88 notes each. A unique program sequencer enables automatic program changes to occur during sequencer playback.

A performance-oriented arpeggiator will accept a discrete pattern of up to 24 notes for immediate playback.

All programs, sequences, and arpeggios may be saved on a standard cassette tape for later re-use.

Taurus II-Taurus II is a versatile and inexpensive pedal synthesizer, offering, in a unique format, features and functions previously found only on larger, more costly instruments.

The Taurus II is constructed in two main sections: the 1½ octave pedalboard and the detachable electronics. The two sections are connected by a 7-conductor, 12-foot cable. The electronics may be attached to the pedalboard with the adjustable stand included, or may be placed anywhere in a keyboard player's setup.

The Taurus II has two oscillators which produce sawtooth and rectangular waveforms ranging from 32 feet to 4 feet. The oscillators may be synchronized to produce additional waveforms. In the sync mode, the voltage from the contour generator may be used to sweep only the second oscillator.

The contour generator operates in an "unconditional" mode — the contour completes itself whether or not a pedal is held down. This is especially convenient for guitarists and bassists who must move on stage.

The modulation section is remarkably complete — effects generated include vibrato, tremolo, sample & hold, trills, and automatic triggering. Modulation and pitch bend wheels are provided.

The Taurus II has extensive interface connections. Other monophonic synthesizers can be played from the Taurus II's pedalboard, or the electronics of the Taurus II may be used as an expander module. An audio input will process external signals.

The Taurus II brings synthesis to not only keyboard players, but guitarists, bassists, and all other musicians. The combination of versatility, low price and portability make the Taurus II a natural addition to any musician's setup.

Taurus II Controller

Taurus II

Taurus II Controller-The Taurus II Controller outputs switch and voltage triggers, and a monophonic control voltage signal. The control voltage output has associated scale and range controls.

The Taurus II Controller can be used with any brand and model of monophonic synthesizer with interface connections.

Liberation-Liberation is a self-contained, mobile musical instrument with an unbelievable number of performance options. It is completely polyphonic, yet features a separate lead synthesizer with two oscillators, unique Moog® sound and total synthesizer variability. Individual mixer controls allow you to choose a final output of either one or both oscillators, ring modulation, noise generator, polyphony or any mix of those functions.

The left-hand controllers and force-sensitive keyboard combine to provide for more nuances, effects and musical subtleties than you have ever imagined. Yet they are there at your fingertips. Comfortably.

Only 14 pounds for complete portability. Outstanding features. Affordable price.

Liberation

The Rogue-The Rogue is a versatile, yet inexpensive synthesizer from Moog Music. Many of the functions of larger, more costly instruments have been incorporated into a highly efficient package containing the following:

Two audio oscillators and a noise source. The oscillators range from 32' to 4' and may be synchronized. Voltage from the contour generator can sweep the "sync" effect.

A unique "overdrive" circuit produces unusually "fat" sonorities through the Moog® filter. This oscillator circuitry adds a dynamic extension to the Moog sound.

An extensive modulation section, capable of producing vibrato, tremolo, trills, sample and hold, and automatic triggering.

Rear panel interface ports (Audio In, Keyboard In/Out, S-Trigger In/Out, V-Trigger In/Out) that allow The Rogue to communicate with other synthesizers, sequencers, computers, etc.

The Rogue has been designed as a lead synthesizer for the professional multi-keyboardist, yet its compact size and affordability make it a natural instrument for the student, electronic music studio and the home.

The Rogue

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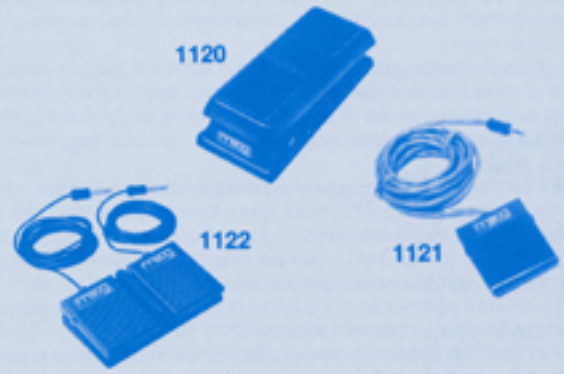
1120 Pedal Controller - The 1120 Pedal Controller can be used to control any voltage-controlled function. It outputs a continuously-variable DC voltage ranging from zero to 4.7 volts, and can be used to control loudness, filter frequency, pitch, pulse width or other synthesizer functions.

1121 Footswitch - The 1121 Footswitch can be used with various Moog synthsizers to trigger contour generators, turn modulation on and off, switch glide in and out, and other gating or switching functions. The 1121 can be set normally open or normally closed.

1122 Footswitch - The 1122 Footswitch consists of two momentary contact switches mounted in a rugged steel base. The switches terminate in ¼ inch connectors; the 1122 is designed to be used with the Memorymoog.

Moog Modular Systems - The world famous Moog Modular Systems are available in the configurations shown. For pricing of custom systems or individual modules, contact:
Custom Engineering Department
Moog Music, Inc.



System 15 System 55

New revised price list effective January 15, 1983. All prices subject to change without notice. To improve the design, quality and performance of our instruments and to make use of the best available materials at all times, we reserve the right to change specifications without notice.

For individual full-color spec sheets,
and the name and address of your nearest Moog dealer,
please send $2.00 (no personal checks, please) to:

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