

MODEL 700 PROGRAMMER

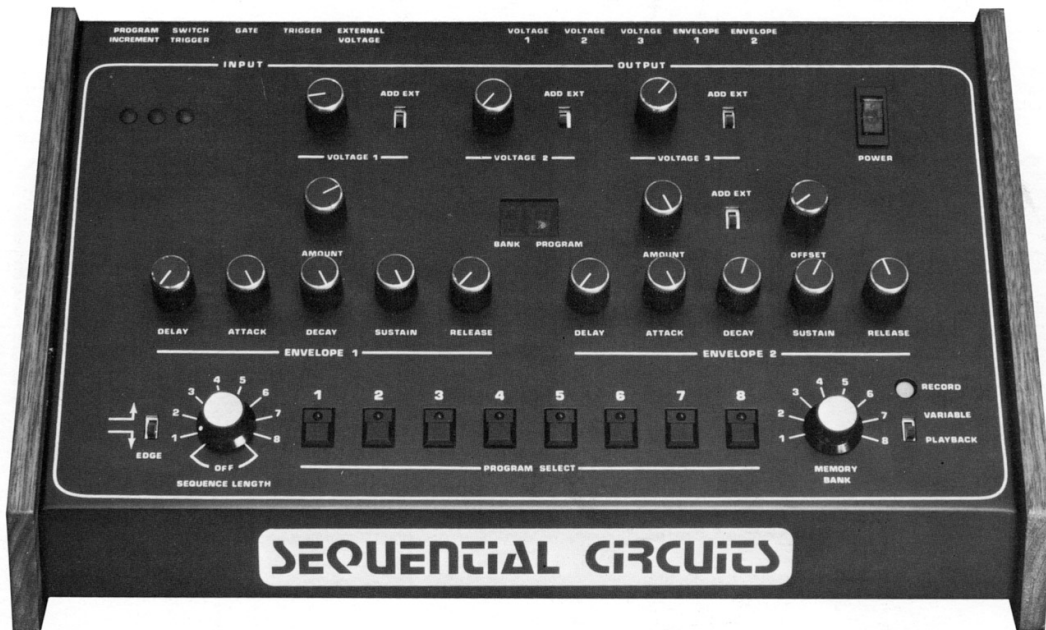
The Model 700 Programmer allows you, the musician, to adapt digital programming technology to control the crucial functions of your existing synthesizer, significantly improving the manageability, both in the studio and in live performance.

Features allows you to:

PROGRAM the sounds you want, rather than relying on factory defined presets found on so-called "easy-to-use" synthesizers.

CHANGE the patch of your synthesizer by the simple touch of a button, or remotely with the included footswitch.

INTERFACE with the Model 800 Digital Sequencer providing complex timbral changes with each sequence.



The Model 700 Programmer consists of two complete envelope generators, three general purpose voltage sources, and various auxiliary functions to control your synthesizer. After a sound is constructed, it may be stored in the memory of the Model 700 to be later recalled at any time at the touch of a button. Eight PROGRAM SELECT pushbuttons are provided for instant memory changes, while the MEMORY BANK SELECTOR switch allows you to select one of eight different banks of eight programs. This allows you to set up and store as many as 64 different sounds. The current program and memory bank numbers are indicated on LED numerical displays for easy reference. The program can be automatically incremented by the footswitch included, by the Model 800 Sequencer (at the end of a sequence), or by any other voltage trigger.

Both envelope generators are full five-function envelopes (DELAY, ATTACK, DECAY, SUSTAIN, and RELEASE). Each envelope has its own programmable AMOUNT control for setting the overall gain of the envelope. Envelope 2 (intended for filter control) also has a programmable OFFSET control, which is used as an initial cutoff

frequency control. The two envelopes can be initiated by a Moog switch-trigger, by a standard gate, or by both a gate and a trigger for maximum control.

The three voltage sources (intended for oscillator control) have a five volt range, and are calibrated in semitone steps (quantized), simplifying oscillator tuning.

All inputs and outputs are provided with both standard 1/4 inch phono and mini-phono sockets for direct connection to most synthesizers eliminating the necessity for conversion cables. In addition, the 700 has a special 12 pin connector which enables complete interfacing with a single cable. A matching connector can be found as standard equipment on some synthesizers, such as the 360 Systems Spectre guitar synthesizer, or can be custom fitted to other synthesizers by their manufacturers, such as ARP's custom engineering group. The Model 700 interfaces with all synthesizers which have the correct input/output signals provided. (Other synthesizers may require modification to make these signals available to the Model 700.) Its compactness, 16" x 11" x 4", keeps it extremely portable.

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