

# MAX

*A new and unbelievably powerful MIDI-equipped synthesizer that lets you play six completely different instrument sounds at one time!*

## A NEW GENERATION

Synthesizers have opened up a world of new possibilities for creative musicians, offering thousands of exciting musical sounds at the touch of a key. Sequential has taken the evolution of synthesizers one step further, with the introduction of MAX, a new multi-timbred, polyphonic keyboard. MAX lets you play up to six completely different sounds at one time. You can do this in two ways: either "live" from the keyboard, (when used with a computer), or by building songs one track at a time on MAX's built-in digital sequencer/recorder. MAX gives you the creative control you need to put together complete arrangements and orchestrations.

## EASY TO USE!

MAX's built-in digital recorder provides you with six separate "tracks" for recording your music one voice at a time — no tape to rewind, no levels to check. Experiment with your arrangement; try different sounds, change the overall mix, or change the tempo of your piece (without changing the pitch).

When your arrangement is perfected, just press a button and hear your work played back instantly, ready for taping or use as background accompaniment. MAX also lets you "reserve" voices. This lets you play the keyboard "live" along with your recorded sequences.

## NO SHORT-CUTS!

Each of MAX's 6 voices include a real multi-waveform analog VCO, a noise source, a resonant 4-pole lowpass filter, a VCA, three ADSR envelope generators, and an LFO.

## PROGRAMMABILITY!

MAX comes with a library of 80 sounds programmed into its memory. MAX becomes fully programmable over MIDI when used with Sequential's Model 920 MusicWare. Use the 35 different voice parameters available to create your own custom programs. Load your sounds into MAX, or store them on diskette in groups of 20.

## MAXIMUM MIDI

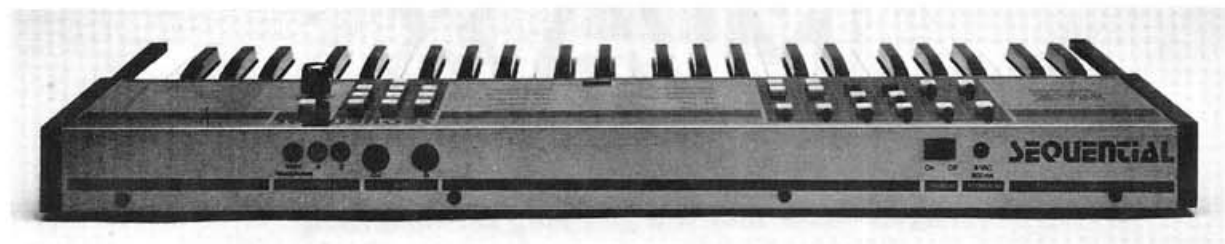
MAX is designed to work as the ideal MIDI Expander/Computer Peripheral. Virtually all of MAX's features can be controlled over MIDI. MIDI implementation includes: Omni, Poly, Mono and Double modes. MAX can send and receive on MIDI channels 1 through 16. In addition, MAX can receive pitch bend, modulation, and velocity keyboard information from keyboards equipped with these features.

MAX, a unique new synthesizer from Sequential, the leader in affordable technology for the contemporary musician.

*We Listen to Musicians.*



## MAX SPECIFICATIONS



### VOICES:

MAX is a six-voice synthesizer. Each voice consists of:

#### One Voltage-Controlled Oscillator

Waveshapes available are: sawtooth, triangle, and variable pulse.

Tuning: 4 octave range.

#### One Voltage-Controlled Lowpass Filter

24dB/octave slope

#### One Voltage-Controlled Amplifier

##### One Low Frequency Oscillator

Waveshapes available: square wave, Rate 1-33 Hz  
triangle, Rate: 1-12.5 Hz

#### Three Envelope Generators

Attack: 7 milliseconds — 12 seconds

Decay: 7 milliseconds — 12 seconds

Sustain: 0 to 10 volts

Release: 7 milliseconds — 14 seconds

Oscillator and Filter envelopes can be inverted.

### PROGRAMMABILITY:

MAX is fully programmable when used with:

Sequential's Model 242 interface

Sequential's Model 920 MusicWare

Commodore 64 with monitor

Commodore 64 Disc Drive

35 Parameters are available for programming

### MULTI-TRACK SEQUENCER/RECORDER:

#### Two sequence locations:

Song 1 and Song 2.

Total storage for both: 500 notes.

#### 6 Tracks

One voice per track.

Each voice can feature a different program.

Each can be independently overdubbed or erased.

**Track Volume:** Used to adjust volume of each voice in a sequence.

**Speed:** Adjusts speed of the Sequencer (External clock selection available).

#### Keyboard

Four octave (C to C).

### OUTPUTS:

Audio Output: 1/4" phone jack. Can drive stereo headphones.

Stereo phone jacks.

One MIDI: 5 Pin DIN.

### INPUTS:

One MIDI: 5 Pin DIN.

### MIDI IMPLEMENTATION (partial list):

#### MIDI Modes

OMNI Mode.

POLY Mode.

MONO Mode.

DOUBLE Mode.

#### Channel Assignment

Channels 01 through 16.

#### Receives Velocity

#### Program Select Enable/Disable

#### Wheel Enable/Disable

#### Program Send

Send 1 program or all.

#### Send Songs.

# SEQUENTIAL

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