

THE VOICE 400

The Fastest, Most Versatile and Musical Synthesizer Voice Available

Oscillator A

continuous waveshaping, variable pulse width, modulation by S/H or LFO, lower octave, linear F.M.

Keypad and Bank Switch

Selects one of thirty-two presets.

Operating Mode Switches

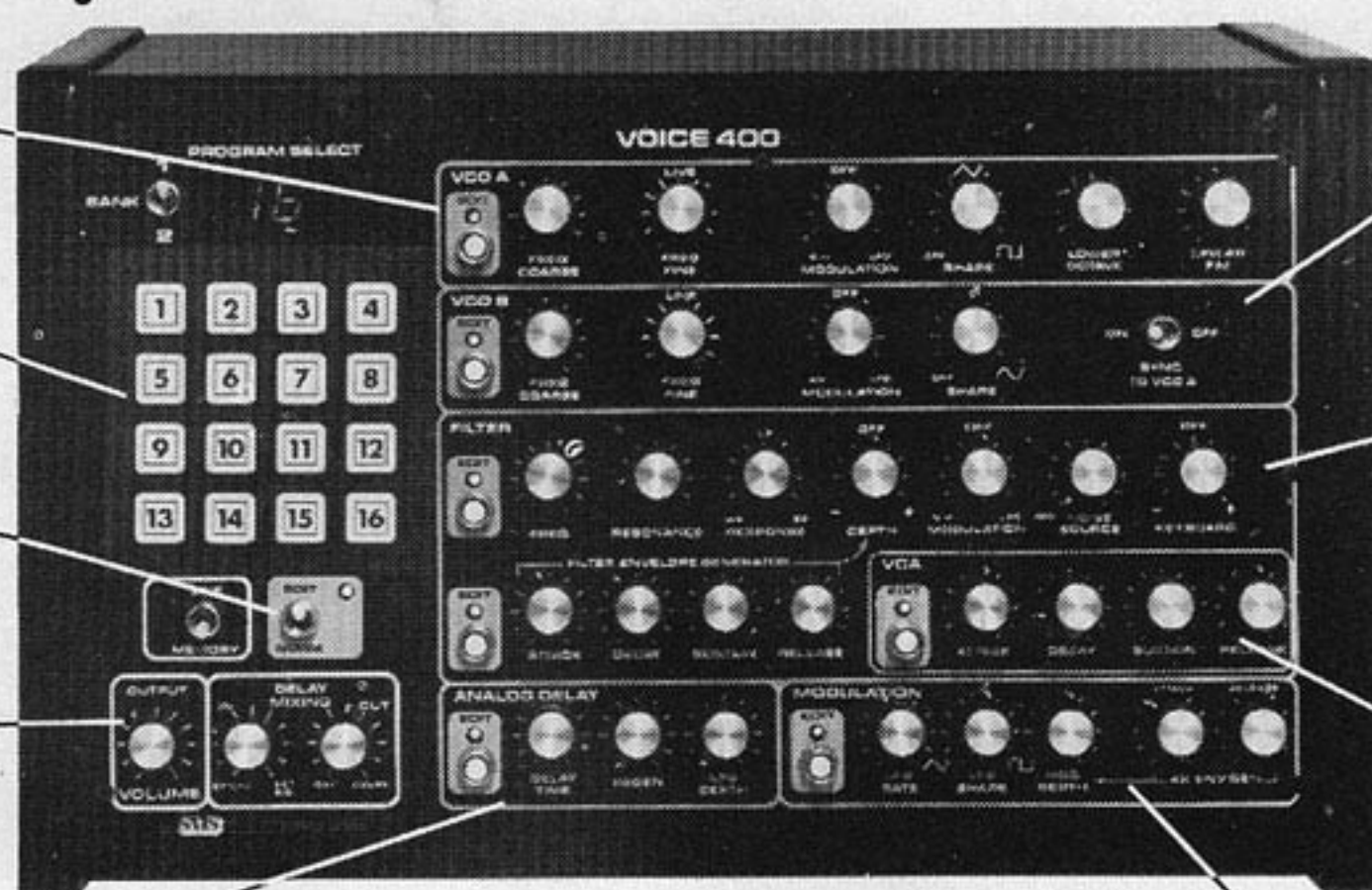
control Live, Memory and Edit functions.

Output Section

mixes your external signal into the delay, mixes Dry/Delay, and output volume control.

Analog Delay

wide range low noise delay line operates from flanging to multiple repeats. Regeneration and LFO depth control will create a wide range of effects.



Oscillator B

continuous waveshaping from saw to sine, AR envelope generator or LFO modulation, hard sync to VCO A.

Filter

High pass, Low pass, Band pass all modes are 24db/oct. Controls include Resonance, Response (continuously variable) \pm ADSR modulation, S/H or LFO mod, Noise source, Keyboard tracking.

Voltage Controlled Amplifier

has its own ADSR and features low noise and wide dynamic range.

Modulation

wide range Low Frequency Oscillator with continuous waveshaping of three waveforms. LFO may be modulated by the Attack Release envelope generator.

The Voice 400 answers the need for a programmable synthesizer that's versatile enough to be all these things:

- * A complete keyboard instrument with the optional SMS Model 430 Digital Keyboard.
- * An expander for your present synthesizer whether mono or poly.
- * An acoustic instrument-controlled synthesizer when used with a pitch-to-voltage converter.

- * A voice for a sequencer or computer.
- * A complete synthesizer for wind or string controllers.
- * A programmable filter and/or a programmable delay line.

Quality components have been carefully selected for this instrument. Great effort has been taken to insure that the effects of temperature and vibration are minimal. When you're ready to play, the Voice will be too... accurately, and every time.

#430 Digital Keyboard Sequencer



- 16 sequences of up to 64 notes each programmable from the keyboard—1000 notes total
- 3 axis joystick for pitch bend, filter and mod depth
- New Note assignment for ultimate lead "feel"
- Built in LFO with two waveshapes and rate LED
- Digital circuitry for drift-free performance
- Portamento
- 3 position octave switch (digitally implemented)
- Full length 61 note keyboard
- Instant transposition to any key for both keyboard and sequences
- Sequences may recycle, play once and end or advance from one sequence to the next
- Footswitch input to start and resync sequences
- Remote selection of Voice 400 presets
- Fine cabinetry with genuine walnut finish

SMS

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