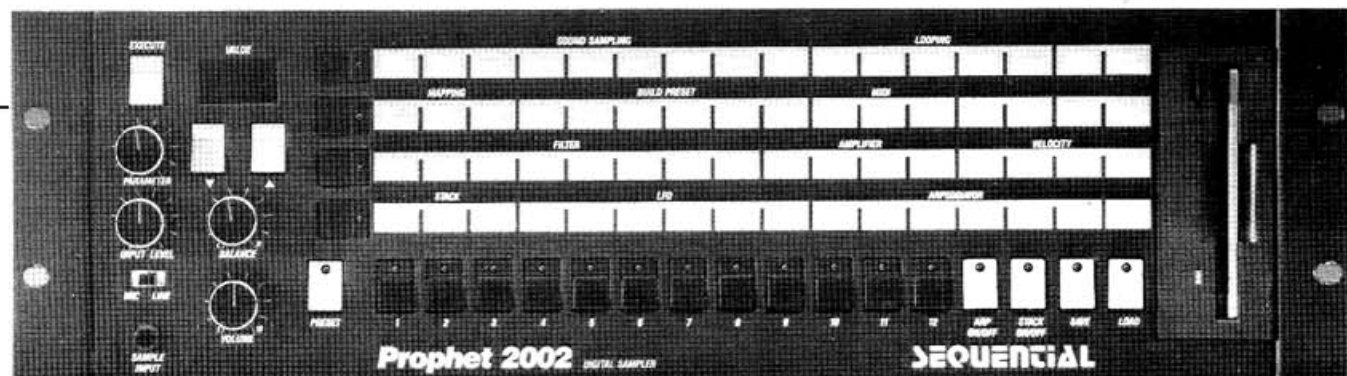


prophet 2002

*The Prophet 2002,
Sequential's New 19" Rack-Mountable Digital Sampling Instrument.*



The Prophet 2002 is a professional eight-voice instrument featuring multiple sampling and memory expansion capability in a 19 inch rack-mount configuration.

Superior sound quality has long been the trademark of Prophet instruments. The Prophet 2002 adds to this legacy by combining high-resolution digital sampling technology with extensive enhancements. For instance, a user can sample any sound using features which include a variable input level control, complex sample editing (reverse, mix, truncate), and automated looping functions such as computer assisted zero crossing or zero slope selection to help find the best possible loop points. The built-in 3½-inch double sided disk drive provides for fast and easy storage of custom sounds and programs. The Prophet 2002 can format your blank disks, saving you the expense of purchasing specially formatted disks. A detailed user sampling guide is also included with every Prophet 2002, and a large selection of pre-recorded sounds are available from Sequential's library of factory disks. We make it easier than ever for you to stockpile sounds for your own personal library.

The Prophet 2002 is more than just a professional quality digital sampler; it also has multiple waveforms stored in on-board memory for building "traditional" synthesizer sounds. When used in the split configuration, these sounds can be played alone or in conjunction with sampled sounds. When using the layered configuration, layering sounds on top of each other is possible.

On the performance front, the Prophet 2002's velocity-sensing circuitry provides precise control over loudness, modulation amount, timbre, sample start points and crossfading or switching between two separate sounds. Presets can be split, with different sounds assigned to each half, or with multiple sounds layered on top of each other. The player can create as many as 12 keyboard combinations, for instant access to as many as 16 sounds. The Prophet 2002 also has a very

impressive arpeggiator built-in, with features that include programmable up, down, assign, extend, auto-latch, and transpose.

A thorough MIDI implementation includes full support of modes 1 (omni) and 3 (poly), receivable in mode 4 (mono), clock in and out, pitch and modulation wheels as well as pressure aftertouch, main volume, switchable MIDI THRU and 2nd MIDI OUT, complete waveform access/programming via an external computer, and the ability to transmit and receive sound samples over MIDI.

The Technical Stuff

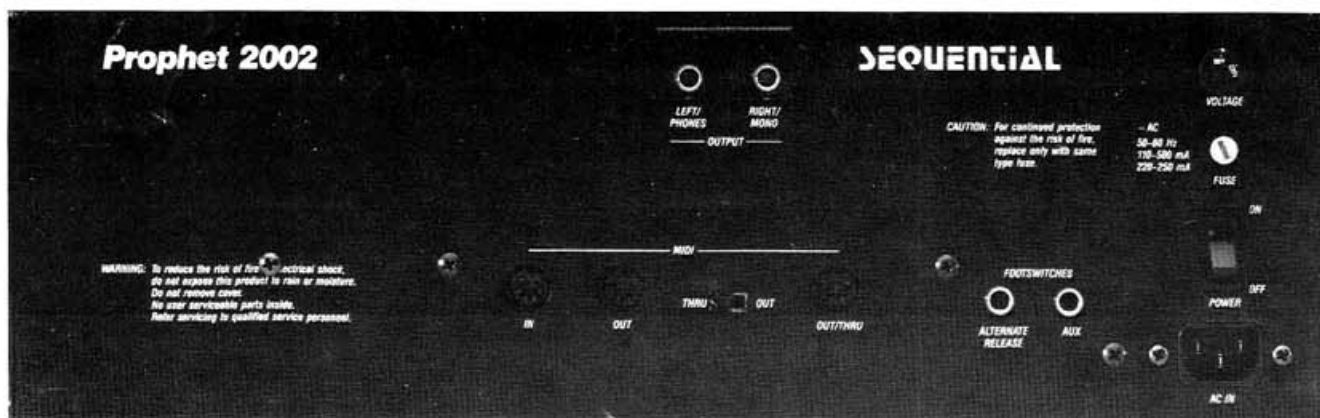
The Prophet 2002 records samples using 12-bit digital technology. This 12-bit resolution allows the reproduction of any sound sampled with astounding realism and studio quality audio fidelity. The user may sample at rates of 15.625 kHz, 31.250 kHz, and 41.667 kHz, and store samples into 2 blocks of memory. Each memory block can store samples with durations of 8-seconds and a playback bandwidth of 8 kHz, 4-seconds at 16 kHz, or 3-seconds at 20 kHz. Memory expansion is also available, doubling the sample durations to 16, 8, and 6 seconds respectively per memory block.

Each of the Prophet 2002's eight independent voices features a 4-pole low pass VCF, a VCA, velocity controlled four stage envelopes, plus access to the unit's on-board waveforms. Any sampled sound can be modified using these analog controls, as well as additional digital and keyboard controls provided. By assigning two samples to the same keyboard range, layered sounds and multiple-voice stacks may be created. Up to 16 samples can be assigned anywhere in an 88-key range.

The Prophet 2002 is available today through your Authorized Sequential Dealer.

SEQUENTIAL

PROPHET 2002 SPECIFICATIONS



MASTER CONTROL PARAMETERS:

- Volume
- Balance
- Master Tune
- Preset (ON/OFF)
- Preset Select (1 thru 12)
- Execute
- Parameter Value Knob

PERFORMANCE CONTROLS:

- Arpeggiator (ON/OFF)
- Stack (ON/OFF)
- Footswitches (2)

DISK OPERATIONS:

- Load & Save & Verify:
 - Entire Disk
 - Memory Block A Only
 - Memory Block B Only
 - Memory Block A to B
 - Memory Block B to A
- Load Internal ROM Presets
- Load 1 Sound
- Format Disk

SAMPLE:

- Continuously Variable Input Level (Switchable: Mic or Line)
- Sound locations (1-16)
- VU Display (with Peak Hold)
- Adjustable "Sensitivity" for Record Start
- Size (Up to 128 Bytes of RAM Memory x 2)
- Variable Sampling Rate: 15.625kHz, 31.250kHz, 41.667kHz
- Standard Maximum Sample Length: 8 Seconds x 2
- Expandable Maximum Sample Length: 16 Seconds x 2
- Playback Frequency Range: 20Hz-20kHz
- Voices: Eight, Fully Independent

SAMPLE EDITING:

- Truncate (Start or End Points)
- Delete
- Tuning (Coarse & Fine)
- Combine (2 into 1)
- Copy/Append
- Reverse
- Variable Start Point (Velocity Sensitive)

SAMPLE LOOPING:

- Automated Looping Functions (Zero Crossing/Slope Detection)
- Bidirectional Looping (Forward Only, Backwards/Forwards)
- Sustain Loop (Start & End Points)
- Release loop (Start & End Points)

KEYBOARD MAPPING:

- 16 Maps (1-8 & A-G)
- Build Map
- Relative Mix (Volume)
- Copy Map

STORES UP TO 12 PRESETS PER DISK

Each Preset can be Composed of:

- Arpeggiator Parameters
- Dynamic Allocation (ON/OFF)
- Select Maps (Left & Right)

Keyboard Modes:

- Merge
- Right Map Only
- Left Map Only
- Layered
- Split (Programmable)
- Velocity Switch (Programmable Threshold)
- Velocity Crossfade
- Positional Crossfade
- Mod Wheel Crossfade

MIDI Parameters (Mode, Channels, Wheels, etc.)

Stack Parameters:

- Number of Voices (1, 2, 4, 8)
- Delay (0-127ms per Voice)
- Detune (Variable)

LFO Parameters:

- Rate (DC to 15Hz)
- Initial Amount
- Velocity Amount

LFO Destinations:

- Pitch
- Filter
- Amp

Presets Can Be Easily Copied

ARPEGGIATOR PARAMETERS:

Modes:

- Up/Down
- Up Only
- Down Only
- Assign
- Random

Number of Octaves (1, 2, or 3)

Repeats Per Key (1, 2, 3, 4, 8, 16, Random)

Rate (Internal or MIDI Clock)

Latch & Transpose:

- No-Latch
- Auto-Latch
- Extend (1 to 64 Notes)

Programmable Split Point:

Selectable Upper or Lower Arpeggiation

ANALOG PROCESSING:

VCF: 4 Pole Low-Pass Filter (1 per Voice)

VCA: 1 per Voice

Envelope Generator: ADSR (2 per Voice)

LFO

Filter:

- Cutoff Frequency
- Resonance
- Keyboard Tracking
- Envelope Amount (Bipolar)
- ADSR

Amplifier ADSR

Velocity Control Destinations: (All are Bipolar)

- Envelope Attack Rate
- Envelope Release Rate
- Filter Envelope Peak
- Amplifier Envelope Peak
- Sample Start Point
- LFO Amount

MIDI DATA RECEIVED:

Keyboard Range: 88 Keys

Velocity and Pressure Sensing: Programmable Sensitivity

Keyboard Splits: Programmable (Up to 16)

Program Select: 12 Presets

Wheels: Pitch & Mod

DATA STORAGE:

Medium: 3.5" Disk, Single Sided, Double Density

Storage Capacity: 420 K WORDS per Single Sided Disk

840 K WORDS per Double Sided Disk

Drive: One Double Sided 3.5 Inch Disk Drive

INPUTS:

- Sample
- MIDI IN
- Footswitch, Alternate Release
- Footswitch, Auxiliary

OUTPUTS:

- Right/Mono
- Left/Headphones
- MIDI OUT
- MIDI THRU or 2nd MIDI OUT (selectable)

STANDARD ACCESSORIES:

3 Factory Disks

OPTIONAL ACCESSORIES:

- Dual Footpedals
- Library of Sound Disks

DIMENSIONS:

19" Wide x 11.8" Deep x 5.25" High

Approximate Weight: 17 Pounds

POWER REQUIREMENTS:

110/220 Volts

Specifications Subject to Change Without Notice.

SEQUENTIAL

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