

MODEL D Patch Sheet

Patch Number

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TITLE:

JACOB'S LADDER 2.0

NOTES:

The diagram illustrates the internal structure of the Behringer 1000 Synthesizer, organized into five functional modules:

- CONTROLLERS:** This section houses the MIDI IN and MIDI THRU buttons, a TUNE knob, and various filter and modulation controls including GLIDE, MOD MIX, OSC 1/3 FILTER, NOISE / LFO, MOD DEPTH, and LFO RATE.
- OSCILLATOR BANK:** This module contains three oscillators (OSCILLATOR-1, -2, and -3). Each oscillator has a RANGE knob (highlighted in yellow), a WAVEFORM selector, and an LFO CV control. OSCILLATOR-1 also includes a MOD SOURCE and OSC 1/3 OCT control.
- MIXER:** The MIXER section manages the output of the oscillators, featuring VOLUME and FILTER MODE controls for each, as well as EXTERNAL VOLUME, NOISE VOLUME, and WHITE PINK filters.
- MODIFIERS:** This section provides advanced sound shaping through CUTOFF FREQUENCY, FILTER EMPHASIS, AMOUNT OF CONTOUR, ATTACK, DECAY, SUSTAIN, and LOUDNESS CONTOUR controls.
- OUTPUT:** The final stage includes a VOLUME knob and a MAIN OUT control, with a power switch and the Behringer logo.