

Don't feel bad.

You can always come back to REAL ANALOG.



STUDIO ELECTRONICS OMEGA-8

The 8-voice, stereo, multi-timbral, multi-filtered, multi-processing Analog Dream Machine.

Overflowing with elaborate MIDI control, dynamic signal processing, and expansive modulation, its sound creation and manipulation could very well exceed the boundaries of your imagination. Apparitional pads, foundational basses, revelatory leads, electrosonic drums, other-worldly sound effects and utterly massive synthetic soundscapes - True Analog at its finest!

GENERAL SPECIFICATIONS • Voices: 8. **Multitimbrality:** up to 8 part. **Audio outputs:** one stereo per voice. One main stereo and main mono output. **Memory:** 256 ROM patches, 256 RAM patches, 128 multi patches. **Dimensions:** 4U, 15 in. deep, 20 lbs. **Power:** 90 - 250 volts AC auto switching. **VOICE ARCHITECTURE** • Two voltage controlled discrete analog oscillators & sub wave of Oscillator 1. Waveforms: triangle, sawtooth and variable-width square. Waveforms output simultaneously. Osc 2 can sync to Osc 1. **FILTERS** • Two voltage controlled discrete analog filters: 24db (classic Moog), 12 db (classic Oberheim) with low pass, band pass, high pass, and band reject modes. Additional filters of up to 2 per voice can be added as desired in any number. (Filters do not operate in series or parallel.) Additional filters available: Roland 303 and Arp 2600. **LFOs** • Three low frequency oscillators. (LFO3 fixed to voice panning.) **Waveforms:** triangle, sawtooth, reverse sawtooth, square, noise, random. Three destinations and depths for each LFO with key trigger, phase, mode (mono or poly), quantize, and midi sync. **EGs** • Three multiple stage envelope generators. Attack, decay, sustain and release with inverting and multiple triggering. Envelopes 1 & 2 have additional delay, and decay-2 parameters. Envelope 1 is fixed to filter frequency. Envelope 2 is fixed to amplifier level. Envelope 3 is assignable with three destinations and depths. **ADDITIONAL FEATURES** • Oscillator 2 Audio Frequency Modulation routed to Osc 1 frequency, and filter frequency. • White noise generator. • Auto Triggering External Input Processor on each voice with input level, trigger level, mix level, and window controls. • Arpeggiator with tempo, direction, range, interval, and midi sync. • Glide, linear or exponential, with time, mode (auto, legato, glissando) autoglide interval, dynamics, destination. • Unison Mode with one, two, four, six, or eight voices. **MODULATION DESTINATIONS** • VCO 1 & 2 frequency, pulse width, and mix level, VCF frequency & resonance, noise level, external input level, volume, X-mod amount, LFOs 1 & 2 rate and depth. **MIDI Specifications** • In out and thru. Receives: sysex data, program change, bank select, glide on/off, glide time, and MIDI volume. **Controllers:** dynamics, modwheel, bender, pressure, key tracking (positive and negative), with two or more destinations and amounts. Fixed continuous controller assignments for all key functions. **MIDI CONTROLLER DESTINATIONS** • Same as Modulation Destinations, plus pan rate, depth and position, and envelope 1 & 3 amount.

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Used Worldwide by more Top Artists and Producers than any other Analog Synthesizer on the market.

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