

Matrix-6

SIX VOICE VELOCITY MIDI SYNTHESIZER

Matrix Modulation System™

The Matrix-6 is the newest addition to Oberheim's line of professional synthesizers. It combines Oberheim's unique Matrix Modulation System™ with a touch sensitive keyboard, and the newest voice technology. The result is the most powerful synthesizer under \$2000. Coming this summer...

Preliminary Specifications:

Six Voices, each with:

- 2 DCOs with Pulse Wave, Triangle-Sawtooth Wave, Noise, Sync, Key Click
- 4 Pole VCF with Linear FM
- 2 Audio VCAs (one Linear, one Exponential for expanded dynamic range)
- 3 Envelope Generators (DADSR)
Trigger Modes: Single/Multi, Reset, External
Run Modes: Normal, DADR (no sustain), Freerun (complete cycle)
- 2 LFOs Waveforms: Triangle, Up & Down Sawtooth, Square, Random, Noise, Sample
Various Triggering modes
- 2 Ramp Generators
- 1 Tracking Generator
- 1 Portamento Generator

Keyboard:

- Velocity 3 Response Scales
- Release Velocity
- After-Touch Pressure

Controllers:

- Pitch Bend Lever
- Double Modulation Lever
- Footpedal
- Footswitch
- Controllers are reversible and MIDI assignable

Matrix Modulation Sources (Per Voice):

(Any Source Can Go to Any Destination)

- Keyboard
- Velocity
- Release Velocity
- After-Touch Pressure
- 3 Levers
- 2 Pedals
- 3 Envelope Generators
- 2 Ramp Generators
- 2 LFOs
- 1 Tracking Generator
- 1 Portamento Generator
- Vibrato (one for the entire synth)
- Keyboard Gate (Pulse)

Matrix Modulation Destinations:

(From any Source)

- DCO 1 Frequency, Pulse Width, Waveshape
- DCO 2 Frequency, Pulse Width, Waveshape
- Oscillator Mix
- VCF Frequency, Resonance
- 3 Envelope Generators
Delay, Attack, Decay, Release, Output Level
- 2 LFOs Frequency, Output Level
- Portamento Rate
- FM Amplitude
- Linear VCA
- Exponential VCA

Two Zones:

- Overlap for Split and Double functions
- Voices Per Zone: 6, 4, 2, or 0 (for playing other instruments via MIDI)
- Transpose
- Voice Spillover Feature (allows additional notes to play on other synthesizers)

Data Transfer:

- MIDI Send Current patch or all patches
- Cassette Save, Check, Load All, Load One patch

Other Features:

- Tuning and Calibration:
DCO Frequency, Waveshape, Pulse Width,
VCF Frequency, Resonance

- Edit Recall
- Patch Initialize
- Display Brightness

Connections:

- MIDI IN, OUT, THRU
- Audio Mono / Left, Right, Headphones
- Cassette TO, FROM
- Power
- Pedal
- Footswitch

Prices and specifications are subject to change without notice.



© OBERHEIM

A Division of ECC Development Corporation

2230 South Barrington Avenue, Los Angeles, California 90064, (213) 479-4948