

DMX

PROGRAMMABLE DIGITAL DRUM MACHINE



The Oberheim DMX Programmable Digital Drum Machine is the best sounding and most versatile percussion unit available anywhere. It has capabilities that place it light years beyond the ordinary rhythm box, yet the DMX is easy to use, and easy to play.

The DMX is not a drum synthesizer; it is a complex microcomputer system programmed with digital studio recordings of real drums. It doesn't sound like a rhythm box, it sounds like a drummer.

Not only does the DMX sound like a drummer, it can play things that up to now, only a real drummer could play; like rolls, flams, odd time signatures, uneven phrases, changing tempos, or even off the beat.

The DMX contains 24 drum sounds, including cymbals. Drum sequences can be recorded in real time or one

note at a time. Up to 100 Sequences of any length or time signature can be recorded, played, and modified quickly and easily. Individual drums or individual notes can be recorded, erased, and then re-recorded until the drum beat is exactly right. The sequences can be combined to form up to 50 songs. Each song can contain up to 255 sequences, arranged in any order, to form a complete composition. Tempo and Time Signature are programmable for each sequence, and with the DMX's extensive editing capability, a song's structure can be changed quickly and easily.

The DMX has several Quantize modes, which correct your rhythm to any beat between $\frac{1}{4}$ notes, and $\frac{1}{48}$ notes. In addition, there is a Swing mode which will give rhythms the uneven feel that is used so often in jazz and other music.

The DMX features a built-in nine input stereo mixer, and each of the eight modular voices also has its own output, so you can record them on separate tracks, with separate effects for each.

The DMX can run in synchronization with the Oberheim DSX Digital Polyphonic Sequencer, audio or videotape, other sequencers, or almost anything else. There are external triggers and control voltage inputs for each voice, so you can control the DMX with sequencers, synthesizers, or even a drum kit.

A rechargeable battery maintains power to the memory when the DMX is turned off, so that you don't lose your sequences when you turn off power. A cassette interface is provided which enables quick changes of all of the sequences and permanent data storage.

DMX



Number of Sounds: 24

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|------------------------------------|----------------------------|
| 3 Bass Drums (loud, medium, soft) | 1 Crash Cymbal |
| 3 Snare Drums (loud, medium, soft) | 2 Tambourines (loud, soft) |
| 3 Hi Hats (closed, accent, open) | 1 Rim Shot |
| 6 Tom Toms (high to low) | 2 Shakers (loud, soft) |
| 2 Ride Cymbals (loud, soft) | 1 Clap |

Frequency Response: DC-16Khz (varies among voices and is dependent upon tuning)

Dynamic Range: 80 dB

Number of Notes: 2000 Events, each of which may contain as many as eight notes occurring simultaneously

Number of Sequences: 100

Number of Songs: 50

Maximum Typical Sequence Length: 6 Minutes of $\frac{1}{8}$ Notes at 80 Beats Per Minute

Maximum Sequence Length: 5 Hours at 25 Beats per Minute

Maximum Song Length: 255 Sequences

Tempo Range: 25-250 Beats per Minute (programmable with each sequence or song)

Recording Modes:

Real Time: Records rhythms as buttons are pressed. Selectable Quantize Mode rounds off rhythms from $\frac{1}{48}$ notes to $\frac{1}{4}$ notes.

Step: Notes and rests are programmed separately, one note at a time. Value of beat may be between $\frac{1}{4}$ note and $\frac{1}{48}$ note.

Inputs: Trigger (One for each voice)

Control Voltage (One for each voice)

External Clock

Sync To Tape

Footswitch: Start/Stop, Next Sequence

Outputs: Signals: Stereo and Mono mixed outputs, individual outputs for each voice

Metronome

Sync To Tape

External Clock

Power: 95-130, 190-260 Volts AC, 50-60Hz, 15 Watts

Dimensions: 18" (45.7cm) wide, 11.8" (30.0cm) deep, 5" (12.7cm) high

Weight: 12 lbs. (5.4kg)



Some things are better than others.

OBERHEIM ELECTRONICS, INC.

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