

# DX

## MIDI PROGRAMMABLE DIGITAL DRUM MACHINE



The DX Programmable Digital Drum Machine from Oberheim fills the professional musician's need for an easy to use, state-of-the-art drum computer with changeable sounds and MIDI Interface.

Based upon the renowned Oberheim DMX Drum Machine, the DX offers the interchangeable sounds and professional features of the DMX in a less expensive, more integrated package.

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

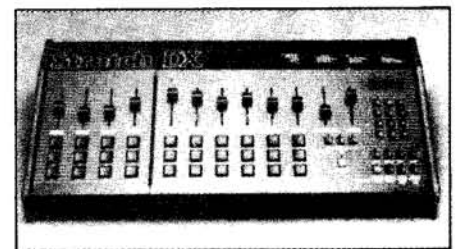
Not only does the DX sound like a drummer, it can play like a real drummer; with rolls, flams, odd time signatures, uneven phrases, changing tempos, or even off the beat.

Up to 2200 events (each with up to six notes) can be stored in the DX, recorded in any of the 100 Sequences of any length or time signature. Drum sequences can

be recorded in real time, or one note at a time in Step Mode. Any of the 18 individual drums (including cymbals) or individual notes can be recorded, erased, and re-recorded until the rhythm 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 with each sequence, and with the DX's extensive editing capability, a song's structure can be changed quickly and easily.

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The sounds in the DX can be easily changed as well. An extensive library of sounds is available for the DX from Oberheim and others, and with the STRETCH accessory, 12 additional drums can be added to extend the DX's flexibility even further.

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The DX has several Quantize modes, which correct your rhythm to any beat between half notes and 1/64 notes, or turn the Quantize off for the human feel. The DX also has a Swing mode to give rhythms the uneven feel that is used so often in jazz and other music.

Each of the DX voices has its own individual output, so that you can record them on separate tracks, or EQ them separately. There is a seven input mixer to mix all the drums into the stereo and mono outputs, as well as tuning controls for each voice on the rear panel.

The DX is designed to interface with almost any other computer music device via its switchable Clock, MIDI, and Tape-sync connections, and is of course perfectly suited for use with other Oberheim computer music components.

The DX's MIDI interface provides timing and song selection to and from other sequencing devices, as well as enabling notes to be played from keyboards, drum pads, etc. The DX can play other drum machines or synthesizers, too. Each drum button can be set to play any MIDI note. In addition, there is a programmable external trigger, so that foot switches or other trigger pulses can be used as well.

Programs can be saved on tape, or via MIDI to another DX or other MIDI peripheral. Individual sequences and songs can be transferred as well. And a lithium battery maintains power to the memory when the DX is turned off.

The Oberheim DX: the affordable drum machine that grows with you.

## Number of Sounds: 18

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

## Frequency Response:

DC-16Khz (varies among voices & is dependent upon tuning)

## Dynamic Range:

80 Db

## Number of Notes:

2200 Events, each of which can contain as many as six notes occurring simultaneously

## Number of Sequences:

100

## Number of Songs:

50

## Maximum Typical Sequence:

6 Minutes of eighth notes at 80 Beats/Minute

## Absolute Maximum Sequence:

5 Hours at 25 Beats/Minute

## Maximum Song Length:

255 Sequences

## Tempo Range:

25-250 Beats Per Minute

## Recording Modes:

REAL TIME: Records rhythms as buttons are pressed  
Selectable Quantize Mode rounds off rhythms  
STEP: Records rhythms one note at a time

## Inputs:

MIDI IN  
External Clock  
Tape  
Programmable Trigger  
Start, Next Footswitches

## Outputs:

Stereo & Mono Mixed Outputs  
Individual outputs for each voice  
MIDI OUT  
External Clock  
Tape  
Metronome

## Power:

95-130, 190-260 Volts AC, 15 Watts

## Dimensions:

18" x 11.8" x 5" (45.7cm x 30cm x 12.7cm)

## Weight:

12 lbs. (5.4 kg)

Prices and specifications are subject to change without notice.



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