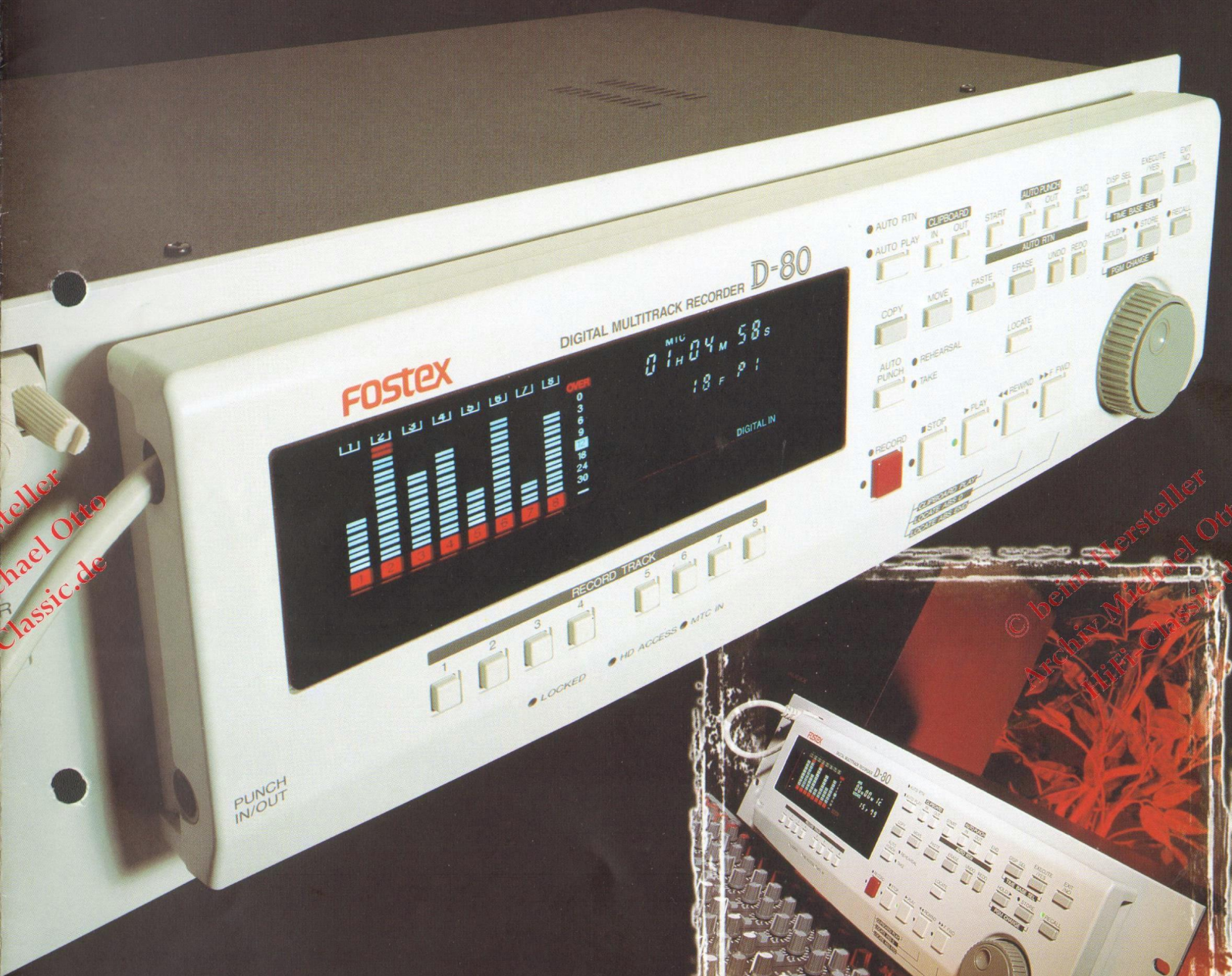


Fostex®



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D=80

8 Track Digital Multitrack





D-80 operating as slave



D-80 configured as MIDI device 14



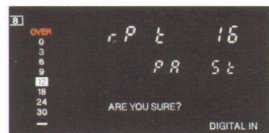
Digital IN to tracks 3 & 4



D-80 using 'virtual reel' 5



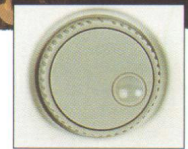
Digital OUT from tracks 7 & 8



Ready to repeat Paste 16 times?

**Highly visible FL Tube display**

To perform a given task only requires you to follow a simple 'question' and 'answer' step by step routine. All of which are clearly shown in the FL tube 'display centre' window in plain English.



**JOG SHUTTLE WHEEL**

This dual function control lets you 'fast forward' or 'rewind' through a recording with full audio monitoring. And it achieves this without altering the pitch.

**Dual Function**

When using the inner wheel, the audio scrub continuously loops around a very small section of audio allowing you to pinpoint an edit start point precisely.



# True CD quality digital recording direct to hard disk

Many digital recorders available today insist on using compression techniques as a trade-off for extended recording time which is not acceptable to the professional user.

CD-quality recording demands full linear 16-bit resolution digital to analogue conversion at a sample rate of 44.1kHz. A specification which the new Fostex D-80 meets with ease.

With its own 32-bit RISC (Reduced Instruction Set Computer) CPU, this incredible machine gives 8 tracks of CD-

quality recording and playback, to and from a removable IDE hard drive.

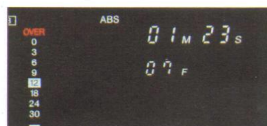
**PROFESSIONAL EDITING**

Just like expensive software based HDR packages, the D-80 offers non-linear editing which is easily achieved with the extensive front panel controls and highly visible FL tube display.

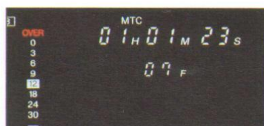
Dedicated keys for Copy, Move, Paste & Erase when used with edit points

programmed via the jog/shuttle wheel or 'on-the-fly', make intricate edits easy. In addition, clipboard data can be pasted to the same, another or multiple tracks and automatically repeated up to 99 times for easy chorus and effects compilation. For total flexibility, timing information can be displayed as Absolute Time, Midi Time Code and MIDI Bar/Beat/Clock. The D-80's MTC is sub-frame accurate (100 sub-frames per frame), with up to 6

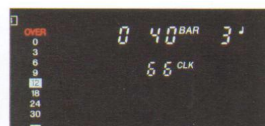
hours programmable offset between ABS & MTC.



ABS - Absolute Time



MTC - Midi Time Code



Midi Bar/Beat/Clock

**3 Time Base Operations**

The 10-digit, 7 segment display shows the current time base in 3 user-selectable modes.

# D-80

## Everything you would expect



### SLAVE D-80s for 16 & 24 TRACK RECORDING

The D-80 can be slave or master to other D-80's, DMT-8's and the outside world via its standard in-built MTC, and is sample accurate with Word Clock (optical S/P/DIF).

Only Fostex can deliver an expandable hard disk based digital multitrack capable of 'feeling' like a tape machine yet offering CD-quality audio, flexible working and easy editing:

#### TRUE MULTITRACK RECORDING

Up to 40 minutes of simultaneous 8 track recording and playback utilising IDE removable, caddy-held hard disks

#### CD-QUALITY RECORDING AND PLAYBACK

16-bit linear resolution digital to analogue conversion at a sample rate of 44.1kHz

#### REMOVABLE FRONT PANEL REMOTE

The front panel of the D-80 is removable and doubles as a full-function wired remote control

#### UNIQUE 'VIRTUAL REELS'

Drives can have 5 'reels' for projects, songs, etc. Data such as tempo mapping, timing, etc., are unique to each 'reel'

#### CUT, COPY, PASTE & MOVE EDITING

Easy to use, intuitive editing within individual tracks or across multiple tracks with full or edit-only 'undo' and 'redo'

#### 8, 16 OR 24 TRACKS

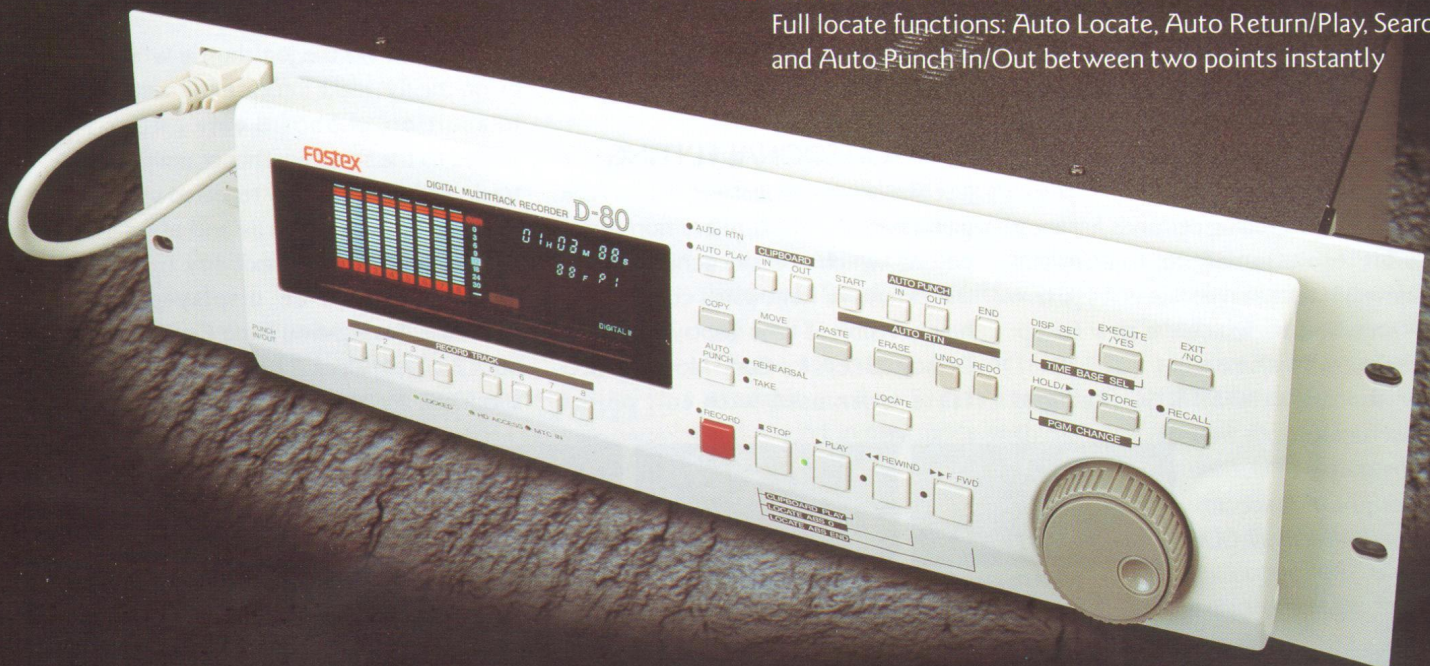
Multiple D-80's (and DMT-8's) can be slaved together without losing audio tracks via built-in MTC/optical S/P-DIF Word Clock

#### ANALOGUE & DIGITAL I/O

Record from any analogue (mixing console, etc.) or digital (CD, DAT, Mini Disc, etc.) source

#### FLEXIBLE LOCATE FUNCTIONS

Full locate functions: Auto Locate, Auto Return/Play, Search and Auto-Punch In/Out between two points instantly



# Specification

## RECORDER SECTION

### INPUT

Connector	RCA pin jack (x 8)
Input Impedance	10k ohm or more
Level	-10dBV

### OUTPUT

Connector	RCA pin jack (x 8)
Input Impedance	10k ohm or more
Level	-10dBV

### DATA IN/OUT

Connector	Optical (x 2)
Format	IEC 958 Part 2 (=S/P DIF)

### MIDI IN/OUT/THRU

Connector	DIN 5PIN (x 3)
Format	Complying to MIDI standard

### PUNCH IN/OUT

Connector	Phono jack (x 1)
	Optional Footswitch Model 805I

### REMOTE

Connector	D-sub I5PIN (x 1)
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### RECORDING/REPRODUCING

Recording medium	3.5 inch, 850Mb, hard disk x 1 (E-IDE type), removable type
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Recording format	FDMS*-2 (Fostex Disk Management System)
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Save/Load format	FDIO*-1 (*Fostex Data In/Out)
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Sampling Frequency	44.1kHz
Quantization	16 bit linear

A/D 18-bit 64-time, oversampling, Delta-Sigma

D/A 18-bit 64-time, oversampling, Delta-Sigma

Recording time (at 850MB)	approx. 18 minutes
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(at Optional Model 904IB)	approx. 30 minutes
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No. of recording track	8 tracks
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Program No.	Maximum 5 tunes
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Crossfade	10msec
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Frequency	20Hz-20kHz
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Dynamic range	more than 92dB
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### GENERAL

Dimensions (mm)	482(W) x 148(H) x 329(D), 3U size
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Weight (kg)	About 8.2 (with Remote & HD)
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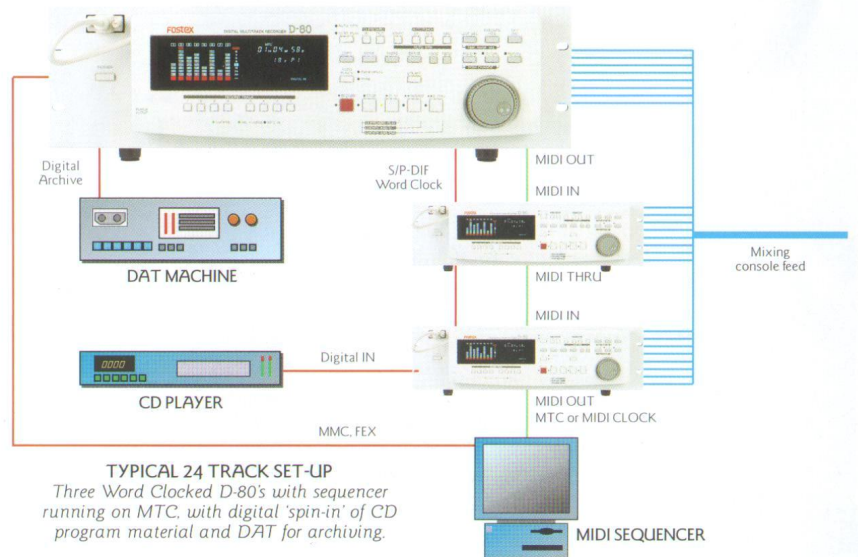
Power supply	120VAC 60Hz
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	230V- 50/60Hz
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Power consumption	approx. 27W
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D-80 Rear Panel



**TYPICAL 24 TRACK SET-UP**  
Three Word Clocked D-80's with sequencer running on MTC, with digital 'spin-in' of CD program material and DAT for archiving.

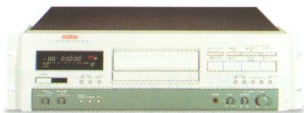
## Recommended Hard Drives

BRAND	MODEL	CAPACITY	RECORDING TIME
Quantum	Fireball	540Mb	approx 12.5 minutes
Quantum	Fireball	1.08Gb	approx 25 minutes
Quantum	Fireball 2	640Mb	approx 15 minutes
Quantum	Fireball 2	1.28Gb	approx 30 minutes
Quantum	Traiblazer	850Mb	approx 18 minutes
IBM	DPEA-31080	1.08Gb	approx 25 minutes
IBM	DJAA-31700	1.71Gb	approx 40 minutes
Seagate	ST51080A	1.08Gb	approx 25 minutes
Seagate	ST51270A	1.27Gb	approx 30 minutes
Conner	CFAI275A	1.27Gb	approx 30 minutes
Western Digital	WDAC31600	1.6Gb	approx 38 minutes

List compiled March 1996

**HARD DRIVES**  
Fostex Corporation have extensively tested the listed drives for use in the D-80 and can therefore only warrant the performance data with the models shown.

## Optional extras for use with the D-80



**D-5 PROFESSIONAL DAT MACHINE**  
Professional standard DAT mastering machine for use in archiving or digital master production.



**805I FOOTSWITCH**  
Footswitch for remote Punch In/Out operation.  
Comes complete with 2m cable.



**9040B EMPTY HARD DRIVE CADDY**  
Robust empty D-80 caddy for housing recommended 3rd party IDE hard drives.



**COP-1**  
Optical S/PDIF to coaxial S/PDIF converter for archiving or digital mastering to non-optical equipped DAT machines.

### ALSO AVAILABLE

855I - 5 meter remote extension cable. 8562 - 2 meter optical cable



Distributor / Authorised D-80 Dealer