



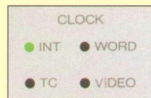
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**RD-8**

**Digital Multitrack Recorder**

**Fostex**



The RD-8 has a built-in SMPTE/EBU Time Code Generator/Reader which supports all formats. It can jam sync to an external time code source – either LTC or VITC.



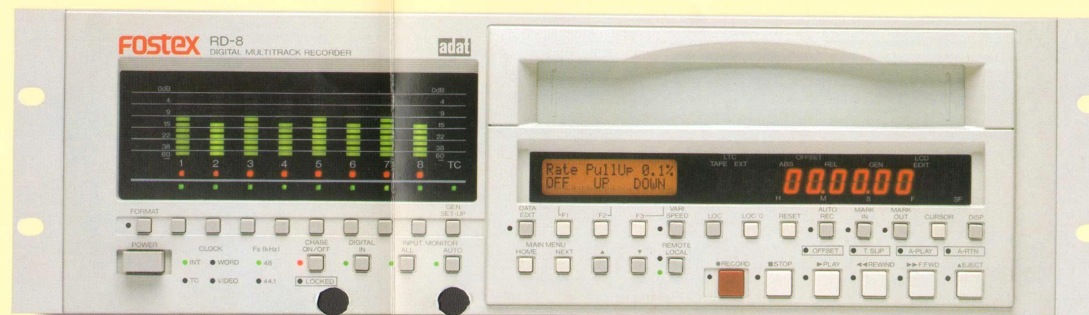
The RD-8 can perform Pull-Up and Pull-Down operations for video/film transfers. The LCD data edit display is multi-functional. With it, you can address the status of the generator, access user bits, enter offset and track slip values, etc.

The new Fostex RD-8 is a digital linear multitrack recorder designed specifically for the audio professional.

Fostex has long been a leader in synchronization, and the RD-8 redefines that commitment. With its built-in SMPTE reader/generator, the RD-8 can stripe, read, and jam sync Time Code—even convert to MIDI Time Code—on a moment's notice. In a sync environment, the RD-8 can be either Master or Slave. In a MIDI environment it will integrate seamlessly into even the most complex project studio, allowing you complete transport control from within your MMC compatible sequencer.

The RD-8 can be controlled via the industry-standard RS-422 port, providing full transport control right from your video edit bay. The RD-8 records at either 44.1 or 48kHz and will perform Pull-Up and Pull-Down functions for film/video transfers. The Track Slip feature helps maintain perfect sound-to-picture sync and the 8-Channel Optical Digital Interface keeps you in the digital domain.

With its LCD and 10-digit display panels, the RD-8 is remarkably easy



to control. You can readily access 100 locate points and cross-fade time is fully controllable in machine to machine editing. Table of Contents data can be recorded on tape. When the next session begins, whether on your RD-8 or another, you just load the set up information from your tape and begin working.

#### ADAT Compatibility.

As a member of the ADAT Group, Fostex is committed to insuring that the RD-8 functions with other ADAT hardware and software products seamlessly as one integrated system. Exchange tapes with other ADAT recorders? You bet. Control the RD-8 from another ADAT controller? Absolutely! The RD-8 gives you the features you need today with the expandability you'll want tomorrow.

#### Superb Audio Quality.

The RD-8 uses the professional standard 16-bit analog-to-digital conversion, 44.1kHz or 48kHz sampling rate, and 64 times oversampling for CD sound quality. The sound is as perfect as current technology can deliver.

#### S-VHS Transport.

The S-VHS transport in the RD-8 was chosen because of its proven reliability, rugged construction and superb tape handling capabilities. Eight tracks on S-VHS tape allow much wider track widths than those offered on other digital tape recording formats. Plus, S-VHS tape is readily available.

#### Front Panel Controls.

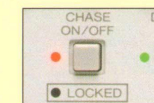
In addition to the familiar transport controls, the RD-8 has a number of logical, user friendly features. The RD-8

is the only recorder in its class with an on-board, back-lit variable contrast LCD display. It provides all of the information you'll need to keep track of offsets, punch points, generator functions and other pertinent data. Three function keys, combined with the HOME, NEXT and UP/DOWN buttons, enable you to navigate the edit menus effortlessly.

NEXT steps you through various pages; NEXT plus UP backs you up a step at a time, and HOME always returns you to the top of the edit chain. Make your choices with the function keys and modify values with the UP/DOWN keys.

#### Standard Remote Control.

The model 8312 remote controller places many of the most commonly accessed functions right on your desktop.

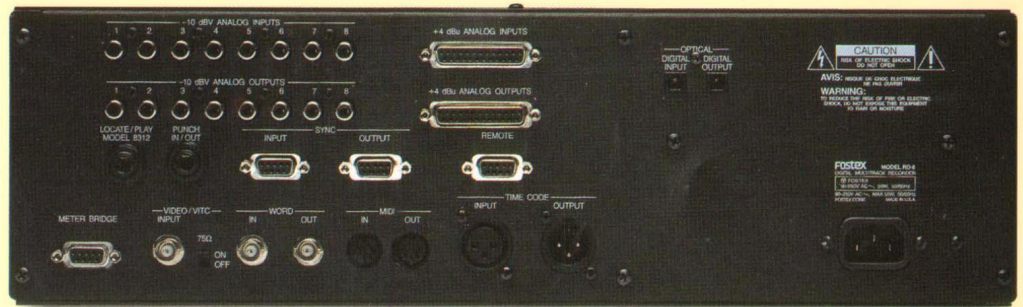


The on-board chase-lock synchronizer offers a multitude of control options. Locate master can be ABS, LTC or VITC; locate slave can be either ABS or tape time code. Combined with its three remote control sources (ADAT, RS-422 or MIDI), the RD-8 can adjust to your work habits and preferences.



The RD-8 is fully compatible with all hardware and software within the ADAT Group. Current members include Alesis, Ampex, JL Cooper, Fostex, Digidesign, Steinberg/Jones and Time Line.

The RD-8 can be controlled directly by many of today's leading video editors or any MMC compatible product. In addition, the RD-8 can interface with Digital Audio Workstations.



## RD-8 Technical Specifications

### Transport

Recording Format:	ADAT
Heads:	4 (2 Read/2 Write, Read before Write)
Tape:	S-VHS, T-120
Recording Time:	40 Minutes
Fast Wind Time:	120 Seconds Unwrapped 240 Seconds Wrapped
Shuttle Speed:	Play-3x

### Audio

Number of Tracks:	8 plus Timecode
Audio Conversion:	
A/D Conversion:	16 bit Delta $\Sigma$ , 64x Oversampling
D/A Conversion:	18 bit
Sample Rate:	44.1/48kHz, Selectable
Pitch Control:	$\pm 6.0\%$
Frequency Response:	20Hz-20kHz, $\pm 0.5\text{dB}$
Dynamic Range:	92dB
Distortion:	0.009% THD
Channel Crosstalk:	90dB @ 1kHz
Wow and Flutter:	Unmeasurable
Reference Level:	-15dB

### Analog I/O:

Input (DB25):	+4dBu/10k $\Omega$ (Balanced)
Input (RCA Jack):	-10dBV/10k $\Omega$ (Unbalanced)
Output (DB25):	+4dBu/600 $\Omega$ (Balanced)
Output (RCA Jack):	-10dBV/10k $\Omega$ (Unbalanced)

### Digital I/O:

2 EIA Optical Fiber Jack, ADAT  
8-Channel Serial Communication Protocol

### Time Code

#### Time Code I/O (SMPTE/EBU):

Input (XLR):	3.0V p-p (Balanced)
Output (XLR):	2.4V p-p (Balanced)

#### MTC-Out

MIDI Standard

### Sync

#### Sync I/O:

x2, DB9 (Sync In and Out)  
Automatic Master/Slave Syncing up to 16 machines (128 Tracks)

### Video

#### Video In:

0.5V-2.5V p-p/10k $\Omega$ , BNC with 75 $\Omega$  termination

#### Word In/Out:

Two BNC (TTL Level)

#### Data Communication:

RS-422A (DB9)  
MIDI Machine Control (MMC)

### General

#### Power Requirements:

100V-240V, 50/60Hz

#### Power Consumption:

50W

#### Dimensions (W x H x D):

482 x 132 x 355mm  
19 x 5 $\frac{1}{4}$  x 14 ins.

#### Weight:

9 kg  
20 lbs.

Specifications are subject to change without notice.

**Fostex**

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