

# DOKORDER

4-track/2/4-channel Tape Deck

# 8140



DOKORDER

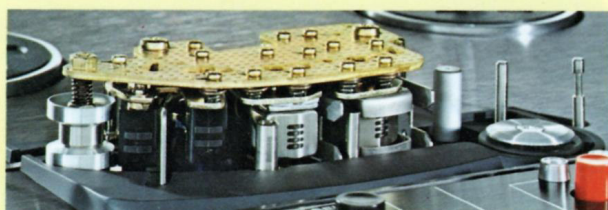
8140



# A VERSATILE 2-CHANNEL/4-CHANNEL RECORD PLAY DECK WITH MULTI-SYNC RECORD FUNCTION

## Making Things Easier

When you create music a tape recorder can be the most important instrument you own. It's a tool you use to capture and faithfully reproduce your talent. Like any other tool, you want it to be versatile. With the 8140, what you give you'll get. It's functions and features were carefully chosen and designed to make things easy instead of hard. And so was the price. You can make discrete 4-channel recordings from any source, get excellent reproduction of quadrasonic tapes, or use the 8140 for conventional 2-channel recording and playback if you choose. In short, the 8140 gives you a lot of ways to express your talent and imagination, without depressing your wallet.



## Lifetime MBD Heads

The tape heads of the 8140 incorporate molybdenum permalloy cores machined to extremely strict tolerances for maximum frequency response. These MBD heads are even more wear resistant than ferrite heads and are backed by an original owner lifetime guarantee. That's how sure we are of the quality of our heads.



## Instantaneous Pause

Locking pause button stops the 8140 immediately when in record mode. Record amplifiers remain on-line ready to continue recording.

## Separate Controls For Mic/Line Mixing

For maximum flexibility in recording each channel of the 8140 has separate controls for mixing mic and line sources.



## Special Electronic Effects

The 8140 gives you electronic echo, or "slap", for enhancing one or more tracks, and Sound-on-Sound so, effectively, you can expand the number of tracks beyond four. Both features have a variable control and either is possible with a flip of a switch.



## Tape/Source Monitoring

For A/B comparison of any or all channels during recording.



## Other Features

The 8140 also includes quadrasonic headphone jacks and four microphone jacks, interlocking record buttons, four large illuminated meters, tape counter, automatic end-of-reel shutoff and automatic tape lifters.

## Three-Motor Solenoid-Controlled Transport

The 8140 has three high-performance motors for smooth, quick-response tape handling. The capstan is driven by a heavy duty 4/8-pole, 2-speed hysteresis synchronous motor. The two high torque motors are 6-pole induction types. An electro-mechanical control system operates the solenoids and motors for smooth, positive operation.

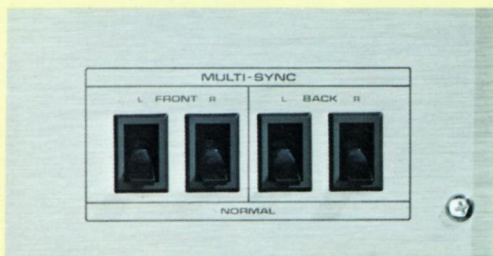


## 4-Track, Multi-Sync Recording

When you're composing, sometimes the whole thing sounds great in your head but there's a clinker or two in the parts when you put it on tape. Or there's a part missing. With the 8140's multi-sync function you can overdub tracks individually and in perfect sync with each other. If it's still not right you can re-record any track any time in sync with the others. The multi-sync function takes the pressure off being perfect the first time down. What's good stays, what isn't so good gets done until it is.

## Adjustable Tape Equalizer

The front panel Tape Select Switch on the 8140 lets you choose the proper pre-set Record Equalizer for normal or low noise/high output tapes.



**It does what it does as well as you do what you do.**

Multi-track recording at a moderate price. That's the 8140. Four channel or two channel, recording or playback, overdub, quadraphonic, sound-on-sound, echo...everything you need to help translate what you feel into what others will feel. All for a lot less money than you think.

### FEATURES

- 4-track, Multi-sync Recording
- Molybdenum Heads with Original Owner Lifetime Guarantee
- Three Motor Solenoid-Controlled Transport
- Adjustable Tape Equalization
- Switchable Tape/Source Monitoring
- Instantaneous Pause With Locking Feature
- Separate Input/Output Controls
- MIC/LINE Mixing
- Large, Illuminated Meters
- Electronic Echo and Sound-on-Sound



### SPECIFICATIONS

Recording System	4-track 4/2 channel stereo/mono recording & playback	
Tape Speeds	7-1/2 ips & 3-3/4 ips (19.05cm/sec & 9.5cm/sec)	
Reel Capacity	7" (5" minimum) 18cm (13cm minimum)	
Rec./P.B., Frequency Response	25Hz~26kHz ( $\pm 3$ dB 30Hz~23kHz), at 7-1/2 ips (19.05cm/sec) 30Hz~18kHz ( $\pm 3$ dB 30Hz~13kHz), at 3-3/4 ips (9.5cm/sec)	
Signal to Noise Ratio	Better than 58dB (WRMS)	
Crosstalk	Better than 55dB	
Wow and flutter	Less than 0.07% at 7-1/2 ips (19.05cm/sec) WRMS Less than 0.10% at 3-3/4 ips (9.5cm/sec) WRMS	
Equalization	NAB	
Bias Frequency	130,000Hz	
Input, Per Channel	MIC	Sensitivity 0.8mV Impedance 10K ohms
	LINE	Sensitivity 80mV Impedance 20K ohms
Output, Per Channel	DIN	Sensitivity 8mV
	LINE	Output level 0dB Impedance 10K ohms or higher
	DIN	Output level 0.775V
	Headphones	Output level 5mW Impedance 8 ohms
Recording Time (1800-foot tape, 60Hz)	4-track, 4/2 channel stereo 1-1/2 hours at 7-1/2 ips (19.05cm/sec), 3 hours at 3-3/4 ips (9.5cm/sec), 4-track mono 3 hours at 7-1/2 ips (19.05cm/sec), 6 hours at 3-3/4 ips (9.5cm/sec)	
Fast Forward/Rewind Time (1800-foot tape)	Within 120 seconds	
Heads	Four (2 erase, 1 record, 1 play)	
Motors	Three (one 4/8-pole hysteresis synchronous for capstan, two 6-pole induction type for reels)	
Circuit Complement	43 transistors, 71 diodes	
Power Requirement	U.S.A. type 117V, 60Hz Universal type 100, 117, 125, 200, 220 or 240V, 50/60Hz	
Weight	41.9 lbs. net (19kg)	
Dimensions	16-7/8"W, 17-3/4"H, 6-3/4"D (430mmW, 452mmH, 172mmD)	

**NOTE:** Design and specification are subject to change without notice for purpose of improvements.



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