

# Dokorder®



# 8020

## The world's most versatile stereo tape deck featuring Dokorder's exclusive Dub-A-Tape system

This striking 4-track 2-speed stereo tape deck is unquestionably the most original and most versatile deck that has ever been built. In one compact design, it combines the functions of no fewer than three different tape recorders, and performs them with more precision and accuracy than ever before possible.

The functions of two tape recorders—automatic recording and automatic playback—are realized by an exclusive Automatic Continuous Reverse system, while that of a third—dubbing—is achieved by Dokorder's own Dub-A-Tape system which has been built into the 8020.

This latter system not only allows tapes to be dubbed without the need of any accessory component, but also establishes new standards of tape dubbing professionalism. It consists of

a tape transport mechanism that drives the copy tape, a single-drive system that drives both the copy and original (pre-recorded) tapes simultaneously, and a special head that has been designed exclusively for dubbing.

The Dub-A-Tape system is only one of the many unique features that make the 8020 the most advanced stereo deck in the world today. There are many others, from one-hand tape threading to automatic programming to a double safety lock system. All are explained inside. Read them. Then compare the 8020 with any other tape deck made and choose.

Also, be sure to check out how the 8020 can be used with other quality Dokorder components in a new, rationally-designed all-Dokorder stereo system.

### ONE YEAR FACTORY WARRANTY

Coast-to-Coast Authorized Service Depots in the United States



Now, complete and professional tape dubbing with only a single tape deck



### Versatile, Three-In-One Tape Deck

The functions of three recorders — automatic recording, playback and dubbing during playback — are possible with the 8020. Dokorder's exclusive Automatic Continuous Reverse system makes the first two functions possible, while dubbing during playback is achieved through the use of a built-in single-drive dubbing mechanism, special dubbing head and a precision tape transport device.

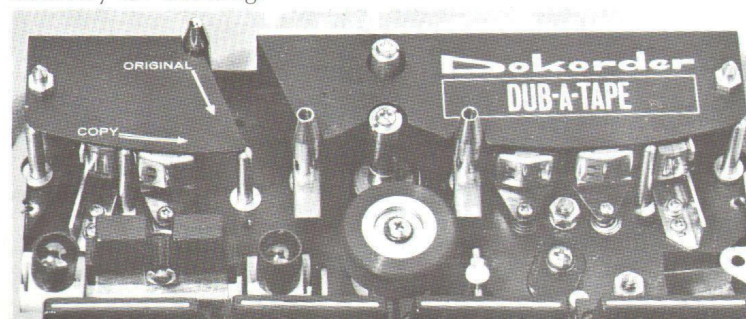
### Single-Drive Dubbing System

An accurate, unwavering mechanism in the head cover slot of the 8020 that drives both pre-recorded and copy tapes simultaneously during playback. This system eliminates the possibility of uneven tape speeds that usually occur when two recorders are used and brings wow and flutter characteristics down to negligible factors.



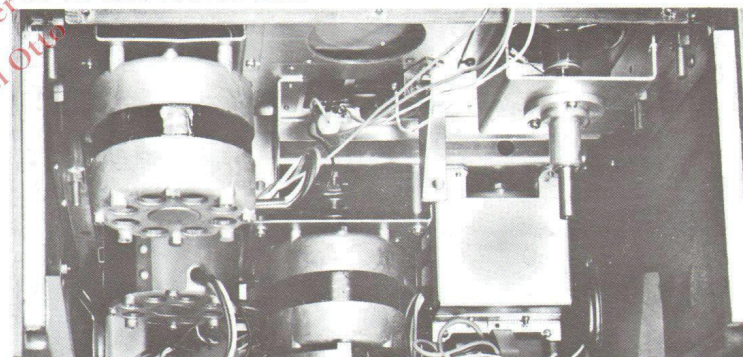
### 4+1 Heads

In addition to a pair of recording/playback heads and a pair of erase heads, the 8020 features a playback head designed exclusively for dubbing.



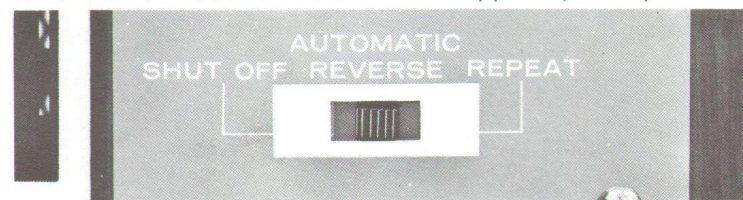
### Four Motors

For capstan drive, the 8020 has been provided with a reversing synchronous type motor; for reel drive, two capacitor type heavy duty motors, and for dubbing tape drive, a built-in tape transport motor that has been synchronized for compatibility with the other motors. Together, these motors combine to offer an unprecedented degree of tape stability, smooth handling and a fast (45 sec.) rewind time.



### Automatic Continuous Reverse

Slide the Automatic selector on the 8020 to Repeat and Dokorder's Automatic Continuous Reverse system is activated for both recording and playback operations. Unlike other decks that play a tape one way, reverse it and stop, the 8020 continues to reverse it in both directions until stopped by the operator.



### Center Drive System

Consisting of a center capstan and pinch roller, this system "pulls" tapes across heads in both directions for wow and flutter-free, professional sound reproduction.

### Automatic Programming

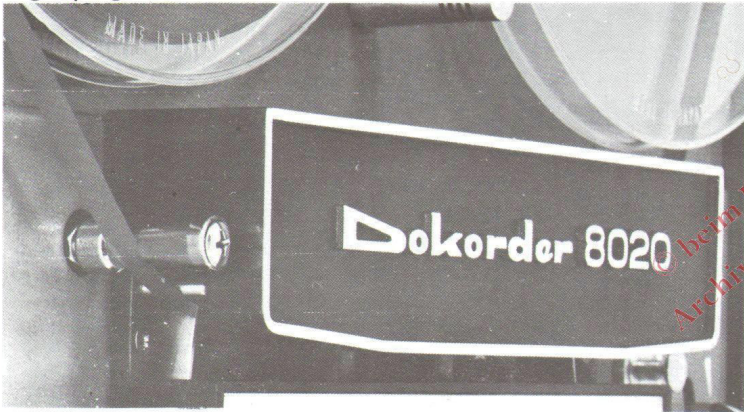
One 3-position switch lets the operator choose between Automatic Shut-Off, Automatic Reverse and Automatic Repeat (Automatic Continuous Reverse) operations. Switch it to Shut-Off and the 8020 automatically stops when a tape reaches the end of its run in either direction. Switch it to Reverse and the tape runs to one end, reverses, runs to the other end, and then stops. Switch to Repeat and the tape continues to reverse automatically until stopped by the operator.

## SPECIFICATIONS

Recording system	AC bias 4-track stereophonic and monophonic	Recording time	4-track stereophonic
Tape speeds	7½ ips and 3¾ ips	1,800-foot tape	7½ ips 1½ hours 3¾ ips 3 hours
Frequency response	20-20,000 Hz @7½ ips 40-12,000 Hz @3¾ ips		4-track monophonic
Equalization	NAB		7½ ips 3 hours 3¾ ips 6 hours
Signal to noise ratio	Better than 50 dB	Fast forward and rewind time	Less than 45 seconds
Cross talk	55 dB	(1,200-foot tape/60Hz)	
Wow and flutter	Less than 0.12% WRMS @7½ ips Less than 0.15% WRMS @3¾ ips	Circuit compliment	14 transistors, 7 diodes
Bias frequency	70,000Hz approx.	Level indicators	Dual illuminated VU meters
Input provisions	Two line (100 mV) 200 Kohms Two microphone (1 mV) 10 Kohms DIN (REC) connector	Heads	Five, 2 rec/play, 2 erase, 1 dubbing
Output provisions	Two line 0 dB (0.775V) Stereophones 35mW/channel DIN (PLAY) connector	Motors	Four, 1 synchronous capstan, 2 capacitor reel and 1 capacitor dubbing
Tone control	Two separate treble control	Max. reel size	7 inches
		Power requirements	100, 110-117, 125, 200, 220, 240V AC 50 or 60Hz
		Weight	45 lbs.
		Dimensions	14½"W x 7½"D x 21¼"H

### One-hand Tape Threading

When the Stop button is pushed, the pinch roller lowers allowing the operator to thread tape with only one hand by following tape guides.



### 4-Track Stereo/Mono Recording and Playback

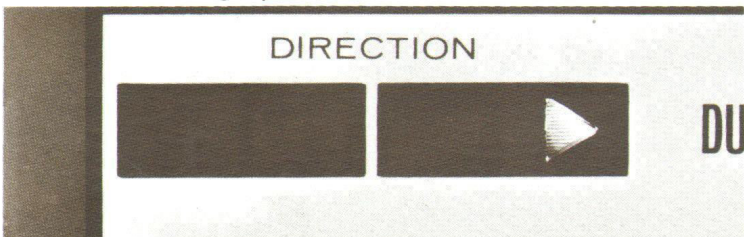
The 8020 delivers faultless 4-track stereophonic and monaural reproduction at two accurate speeds. Stereo operating time for an 1,800-foot tape is 1½ hours at 7½ ips and 3 hours at 3¾ ips. Mono operating time is exactly double at each speed.

### Double Safety Lock System

Tape erasures during playback cannot happen—even if the recording button is accidentally pushed—with this system. Only when both recording and playback buttons and recording switches are all pushed, are erasures possible.

### Direction Changers with Indicators

Two push buttons permit the tape direction to be changed at anytime during play, regardless of what the 8020 is programmed for. Two arrow-shaped lamps automatically indicate the direction of the running tape at all times.

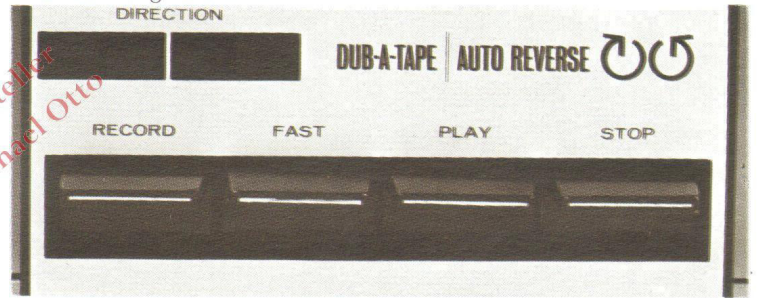


### All Solid State

Cool running, stable performance and longer life are made possible through the use of 14 specially-selected transistors and 7 diodes.

### Convenient Controls

All controls have been arranged for fast and convenient operation. Special piano key push buttons provide one-touch control of all taping functions such as Record, Fast, Play and Stop. Other controls are provided for Pause, Tone, Volume and Dubbing functions.

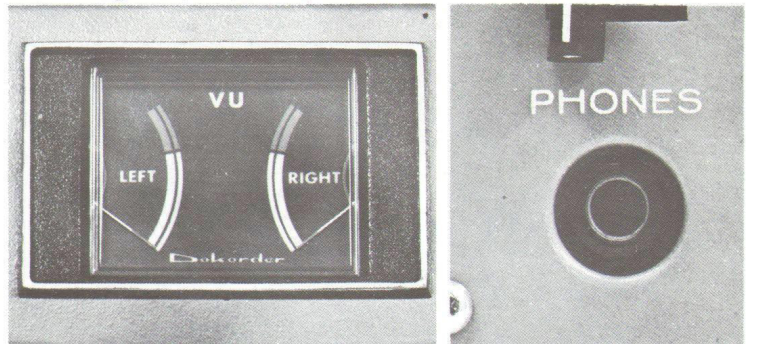


### Professional Meters

Two illuminated VU meters give the operator one-glance control of each channel, while a 4-digit tape counter index with re-set button lets the operator find any spot on a tape conveniently.

### Stereophone Amplifier

Built in so that headphones can be used to enjoy music without disturbing others.



### Compact Design

The 8020 weighs only 45 lbs and has been designed with compact dimensions for limited space situations. It has also been designed to form an integral part of Dokorder's Dub-A-Tape series of stereo components. All components in this series can be "stacked" vertically into one compact system.

### Usable Worldwide

Capable of operating on all AC line voltages and frequencies, the 8020 can be used anywhere in the world.

## OPTIONAL COMPONENTS

### The Complete Dokorder Dub-A-Tape Stereo System

All components in the Dokorder Dub-A-Tape series are rationally designed for vertical stacking.



#### 8010 Three-In-One 4-track Stereo Recorder

Identical to the 8020 in design and features, with the addition of a built-in power amplifier and twin monitor speakers for independent operation. It also comes complete with twin microphones.



#### 8070 Solid State AM/FM Stereo Tuner

An attractive tuner with FET circuitry for unparalleled FM sensitivity and selectivity. Offers automatic stereo switching, an S/N ratio of 50 dB and a stereo separation figure of 35 dB.



#### 8080 8-track Stereo Cartridge Player

A handsomely designed solid state that combines rich stereo reproduction and versatile cartridge playing functions. Four indicator lamps show the tracks in play. Switches allow operator to select any tracks desired and to repeat the same tracks.



#### 8060 Solid State Stereo Control Amplifier

A powerful 100 watt amplifier with the latest IC circuitry for superb performance throughout a 15 to 50,000Hz bandwidth. Distortion is only 0.5% at rated output.



#### 8090 Stereo Cassette Tape Recorder

Solid state 4-track model for both recording and playback with cassette tapes. Convenient push button operation and large VU meters.



DENKI ONKYO CO., LTD.

26-11, 3-chome, Nishi-Rokugo, Ota-ku, Tokyo, Japan

AMERICAN DOKORDER

Box 2494 Main P.O. Culver City, Calif. 90230, U.S.A.

Printed in Japan