

Dokorder[®] AUTOMATIC REVERSE 

9020V

Two compact professional-quality 4-track stereo tape machines—a tape recorder or a tape deck only—now available for your choice.

Dokorder's unique ability to produce quality stereo taping equipment in compact design is particularly noteworthy in these two models—the 9020V 4-track stereo tape deck and the 9010V 4-track stereo tape recorder. Highly functional, versatile and thoroughly professional, these two machines have been designed to satisfy the needs of both professional and amateur alike.

The 9020V model was designed for quality tape deck performance at two precision speeds. Its built-in stereophone amplifier for use in monitoring, or private listening pleasure, through headphones is ideal. Using the line input/output jacks or DIN connector on the back panel, your recorded playback will come through with perfect fidelity to your own speaker system.

The 9010V unit is the same machine as the 9020V with the addition of a powerful stereo amplifier and optional matching

speakers for your playback listening pleasure.

Dokorder's fine reputation for quality products is apparent throughout both of these models. You will be able to enjoy the many advanced Dokorder features such as a professional bias current adjustment control, Automatic Continuous Reverse and continuously controllable FF/FR operations, and no fewer than three highly specialized oscillators, including one for producing standard signals at 700Hz. The ability to mix the MIC and LINE inputs or the PHONO and LINE inputs, the Echo switch, the Sound-on-Sound capabilities, the versatile SOURCE/TAPE monitoring switch and many other Dokorder engineering advances will double your pleasure—and the quality of your personal recordings.

Altogether, these are just a few of the features you should want—and now can have.

ONE YEAR FACTORY WARRANTY

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



Now, two great taping machines for discriminating listener

If you want the best in a compact 4-track stereo Record/Playback tape deck, the Dokorder 9020V is the machine for you. The 9010V model is the same machine with the addition of a built-in 40 watt stereo amplifier. At option, Dokorder also offers two attaching stereo speakers (Model SS-91) for monitoring and your listening pleasure.

Correct, Compact and Convenient

The 9020V and the 9010V models of Dokorder's latest achievement stand alone in the splendor of incomparable styling. Rich walnut paneling sets them off as conversation pieces in any room or decor. Their compact design permits their integration with other components of your present sound system.

Bias Current Control

The high- and low-end frequency response of a tape recorder substantially varies with the thickness of the tape used. To allow controlling the frequency response in accordance with the kind of program material, to suit the type or thickness of the tape, or to suit the operator's personal taste, the 9010V/9020V is provided with a bias current control on the front panel—the kind found only on higher priced, professional tape recorders.

Three Oscillators

This is one of the professional features of the 9010V/9020V which make it stand in a class by itself. The three oscillators include one 100KHz unit for providing recording bias current, a unique 700Hz unit which produces standard signals for selecting the optimum bias current and visually checking the frequency response on VU meters, and another for the built-in demagnetizer.

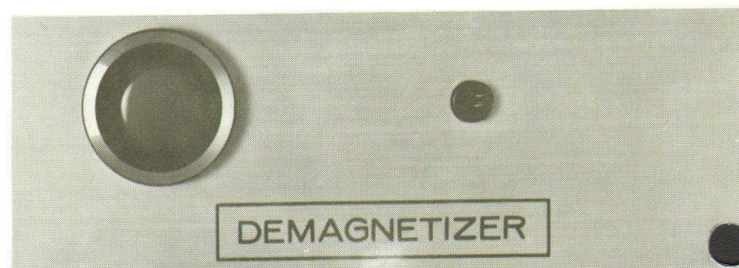
700Hz Oscillator

Models 9010V and 9020V incorporate a 700Hz oscillator which produces standard signals for use in making bias current adjustment. With full front panel control, this feature makes it possible to select the bias current which best suits program material on either channel.



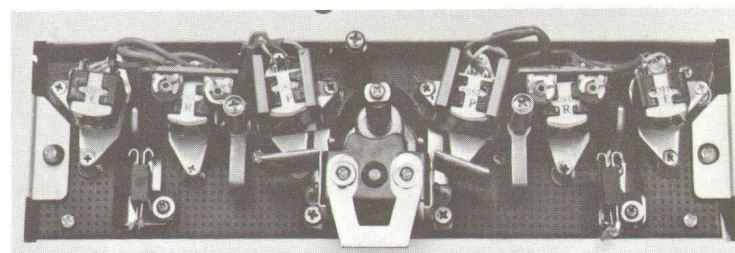
Built-In Demagnetizer

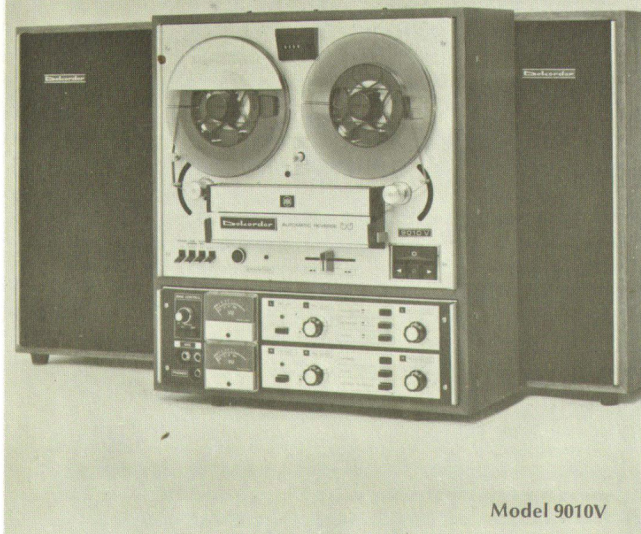
Inevitable, slow magnetization of playback heads by the tape will allow noise to creep in both at the time of recording and playback. Also, the recorder's high frequency response will be deteriorated. It is therefore necessary to demagnetize the heads from time to time. The Dokorder built-in demagnetizer does this job in seconds without additional equipment. Simply open the tape head cover, push the Play button for either direction, then push the DEMAGNETIZER button on the front panel for three seconds and the playback head for that direction will be completely demagnetized. Repeat this operation for the playback head in the other direction. Recorded materials on the tape will not be affected whatsoever by this operation. By using the built-in demagnetizer now and then, superior tone quality can now be maintained permanently.



Six Heads

Another outstanding professional feature of the 9010V and 9020V models is the use of separate erase, recording and playback heads in the left to right direction and another set of similar heads in the right to left direction. All heads are quality, precision heads selected with utmost care for their high performance characteristics. Together, the six heads allow professional quality recording and playback in both directions.

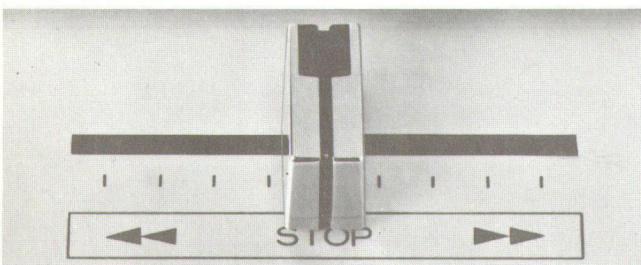




Model 9010V

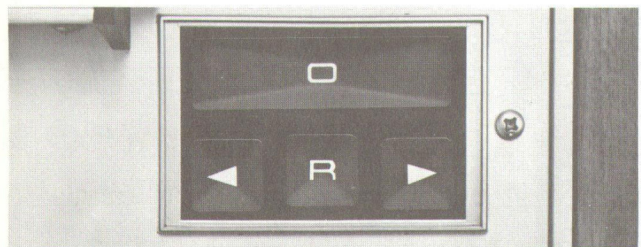
Continuously Controllable FF/FR Speeds

With an advanced design, the fast forwarding and fast reversing speeds are continuously controllable. As you slide a graphic type control further to the right, the fast forwarding speed will be increased. Slide it to the left, and the fast reversing speed will be accelerated. This permits fast forwarding or reversing a tape at a speed most suitable for the kind of tape in use. A 1,200-foot tape can be fast forwarded or reversed in 45 seconds by sliding the control to the maximum position.



Relay Controlled Operating Buttons

All the operating buttons—right direction Play, left direction Play, Stop and Record—are operated by quality micro relays. Just like on the keyboard of a computer, this permits extremely easy operation by a very light touch of each button, and—without producing unpleasant click noises.



Automatic Reverse ON/OFF Switch

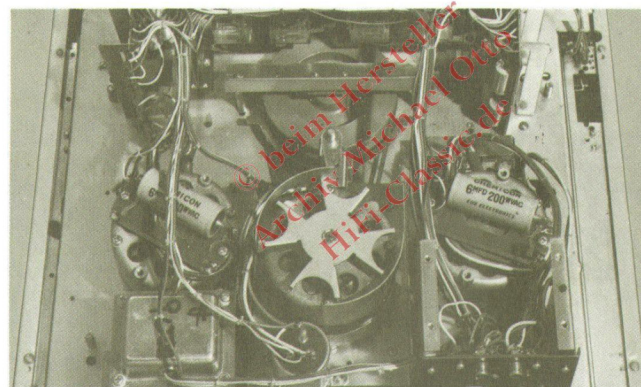
The Automatic Continuous Reverse function is controlled by this switch. Set it in OFF, and the tape will automatically come to a complete stop at the end of its travel in either direction. Set it in ON, and the tape will be reversed as it reaches the end of its travel in one direction, played to the other end and reversed again, continuing to be reversed at each end until stopped by the operator. It offers a very convenient means of providing background music.

SPECIFICATIONS OF MODELS 9010V AND 9020V

Recording system:	AC bias, 4-track stereo/mono recording and playback	
Tape speed:	7½ ips and 3¾ ips	
Reel capacity:	7" or smaller	
Frequency response:	20—21,000Hz at 7½ ips 40—15,000Hz at 3¾ ips	
Signal-to-noise ratio:	Better than 50dB at 7½ ips	
Crosstalk:	55dB	
Wow and flutter:	Less than 0.07% WRMS at 7½ ips Less than 0.12% WRMS at 3¾ ips	
Equalization:	NAB	
Power requirement:	AC 100, 110-117, 125, 200, 220 or 240V; 50 or 60Hz, 160 watts	
Bias frequency:	100,000Hz	
Inputs:	Microphone input jack	Sensitivity: 1mV Impedance: 10 Kohms
	Line input jack	Sensitivity: 100mV Impedance: 100 Kohms
	Phono input jack	Sensitivity: 2.00mV Impedance: 50 Kohms

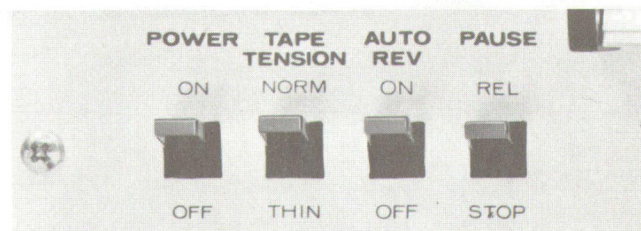
Three Motors

Three precision motors are utilized to drive the sophisticated tape transport mechanism: a reversible synchronous motor for driving the capstan, and a pair of high-performance capacitor motors for driving the reels. Synchronized completely for absolutely stable and smooth tape travel, they have dramatically cut down the fast forwarding time in both directions.



Tape Tension Changeover Switch

If the same holdback tension is applied to tapes of various thicknesses, a thin tape will soon begin to stretch. With Denon's new technique, however, a switch is provided to permit changing over the tape tension in two steps of NORMAL and THIN. Deterioration of tape quality due to stretching is thus prevented with a flick of a switch.



Outputs:	Line output jack	Output level: 0dB (0.775V) Impedance: 3 Kohms
	Headphone jack	Output level: 5mW Impedance: 8 ohms
Power output:	Model 9010V 40 watts music power	
Circuit complement:	Model 9010V 35 transistors, 9 diodes Model 9020V 27 transistors, 8 diodes	
Recording time (1,800-foot tape)	4-track stereophonic	
	7½ ips 1½ hours, 3¾ ips 3 hours	
	4-track monophonic	
	7½ ips 3 hours, 3¾ ips 6 hours	
Fast forward and rewind time:	Less than 45 seconds (1,200-foot tape/60Hz), with sliding control at maximum position.	
	2 illuminated VU meters	
Level indication:	Six, 2 erase, 2 record, 2 playback	
Heads:	Three, 1 synchronous capstan and 2 capacitor reel	
Motors:	Model 9010V 48.4 lbs. Model 9020V 47.3 lbs.	
Weight:	Model 9010V 17 1/8" W x 7" D x 19 1/2" H	
	Model 9020V 17 1/8" W x 7" D x 19 1/2" H	

Automatic Continuous Reverse

Unlike many tape recorders that play a tape one way, reverse it and stop, the 9010V and 9020V continue to reverse it automatically in both directions until stopped by the operator, both in the playback and recording modes. All it takes to enjoy this advanced feature is a piece of sensing tape at each end of the tape.

Pause Switch

The newly designed pause switch interrupts both the recording and playback operation temporarily, when turned on, without affecting the related operating buttons. Unlike the conventional pause lever system, it permits the tape to resume its motion instantly and very smoothly, free from wow and flutter, when it is turned off.

Ball Bearing Tape Guides

The newly designed large tape guides located below each reel make use of a ball bearing in order to prevent tape wear, make the tape travel completely smooth to minimize wow and flutter.



Center Capstan Drive System

Operating on the center capstan and pinch roller principle, the tape is "pulled" across heads evenly in each direction, free from wow and flutter.

SOURCE/TAPE Monitoring Switch

This convenient pushbutton control allows monitoring of both signals that are about to be recorded (SOURCE) and signals already recorded on tape (TAPE). Set to the SOURCE position, and the 9010V/9020V may be used as a public address amplifier.

Tape Cleaner

In order to prevent magnetic particles from the tape or dust from sticking on the tape heads, and to keep the contact between the tape and heads smooth and perfect, these models are provided with a tape cleaner in the tape path. This greatly helps to prevent the deterioration of the recorder's frequency response due to such causes as dusty heads and tape.

Dokorder®



9010V

Optional 2-Way 2-Speaker Stereo Speaker System For Use With Model 9010V

To get the most out of the 9010V's built-in 40 watt amplifier, Dokorder also offers the full fidelity SS-91 speaker systems at optional cost. Compatible with the 9010V in both performance and styling, these attractive 2-way 2-speaker systems deliver flawless sound reproduction throughout a wide 50 to 20,000Hz frequency response range.

Specifications:

Type	SS-91, 2-way 2-speaker high fidelity speaker system
Speakers	10" Woofer 2 1/8" x 3 1/2" Horn Tweeter
Maximum input	25 Watts
Frequency range	50 to 20,000Hz
Input impedance	8Ω
Dimensions	19 1/2"H x 7"D x 17 1/2"W
Finish	Walnut



DENKI ONKYO CO., LTD.

AUDIO EQUIPMENT DIVISION

1099, Sasabori, Okamura-cho, Isogo-ku, Yokohama, Japan

HEAD OFFICE

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

AMERICAN DOKORDER

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

Other Features

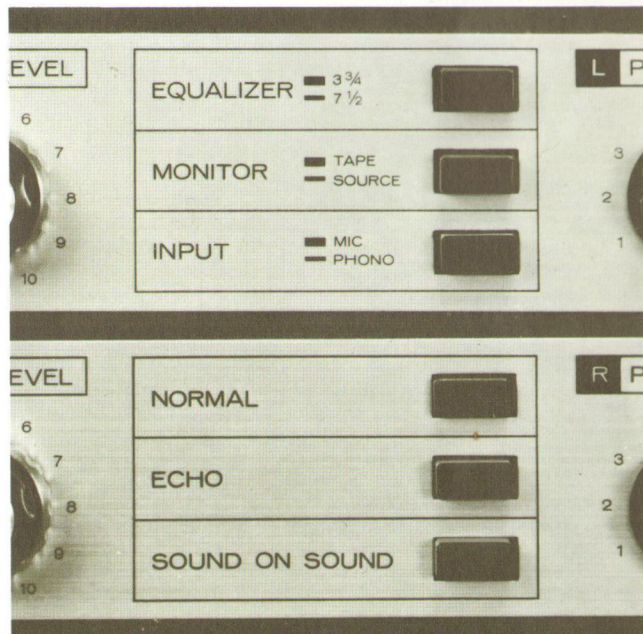
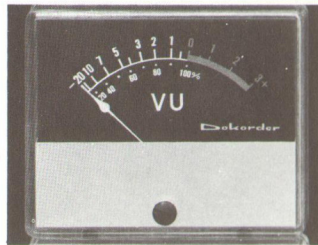
Separate large VU meters for easier checking of recording and playback levels for the separate channels.

Model 9010V is equipped with an all-silicon 40 watt stereo power amplifier for monitoring. In addition, a 2-way, 2-speaker system specially built for use with model 9010V is available at option as Model SS-91.

Built-in headphone amplifier.

Echo Switch—left and right channels separately controlled.

Sound-on-sound and sound-with-sound abilities.



Remote control of various functions. (Remote control unit available at option)

4-digit tape counter.

Operates on any of the power supply voltages now in use in the world.

Professional appearance and construction.

Beautiful walnut panels.

Dust cover available at option.

