

PIONEER

T-8800

A professional 3+3 heads, auto-reverse stereo tape deck, with outstanding performance features for the serious audio enthusiast.



The Pioneer T-8800 stereo tape deck incorporates most every performance feature now considered by tape enthusiasts to be necessary to outstanding stereo tape sound. It is a machine of superb quality, and priced accordingly. Yet few other decks in its price range offer the T-8800's unique functions and professional performance characteristics. Some important examples: This Pioneer unit features automatic reverse capability for both recording and playback. It may be loaded with only one hand, because of the special design of its pinch roller. Its dynamic range is extra wide; its noise ratio and wow and flutter are extraordinarily low. A two-motor tape drive system has been employed to afford maximum protection to valuable tapes. For unusual effects, the T-8800 features "sound-on-sound" recording capability and a simultaneous recording monitoring system. For use with standard or low-noise tapes, the unit includes a recording bias selector switch. And there is more, much more, that makes this new Pioneer tape deck the finest in its class. Read on and see.

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PLAYBACK AND RECORD AUTO-REVERSE

One of the most important features of the T-8800 is its capability for automatic reversing for both recording and playback. You thus will handle tape reels only infrequently, and never until the full length of the tape has been played or recorded. Additionally, the tape motion can be reversed manually with a simple touch of a button. Auto-reverse on this machine is accomplished by placing sensing foil to the spot on the tape where you desire the reversing process to occur. Additionally, the tape motion can be reversed on the T-8800 manually with a simple touch of the button. Pioneer's dual auto-reverse system means you'll never miss recording opportunities, nor will the flow of music be interrupted.

The auto-reverse selector switch provides four positions:

- (1) A left to right tape motion. At the end of the tape, the tape motion reverses, the tape is taken up on the left reel, and stops at the conclusion of the tape.
- (2) A right to left tape motion. At the end of the tape, the tape motion reverses, the tape is taken up on the right reel, and stops at the conclusion of the tape.
- (3) Auto-repeat. The tape continues to reverse each time the playback head contacts the sensing foil. Music is endless.
- (4) Auto-reverse defeat. The auto-reverse mechanism is inoperable with this switch.

REMARKABLE EASY-LOAD

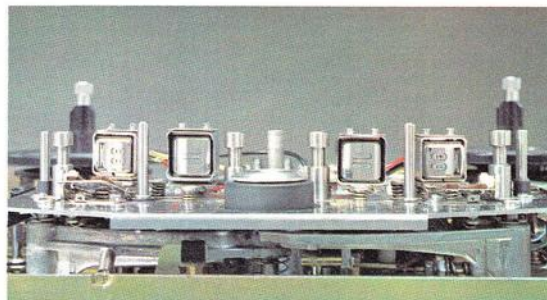
It requires less time to load the T-8800 than it does any other reel-to-reel tape deck. You can do it easily with one hand. The pinch roller, when the unit is not operating, swings down into the head panel, out of sight. When you

press the PLAY button, the pinch roller rises to engage the tape against the capstan, and the tape begins to move. There is never awkward, time-consuming tape threading.



FUNCTIONAL 3+3 TAPE HEAD ARRANGEMENT

Since the T-8800's erasing head and recording head are fitted in a single casing, the unit functionally provides 3+3 heads, a total of six, enabling simultaneous monitoring of all recordings in progress. Externally, the head assembly has four heads, which means the distance of tape travel is reduced as is the risk of stretching or otherwise damaging tapes.



UNIQUE TWO-MOTOR SYSTEM

As another device to insure the protection of valuable tapes, the T-8800 employs an unusual two-motor tape drive system, one motor which is the expensive and reliable hysteresis synchronous type. The dual-motor system helps to reduce tape tension and also insures that fast tape take-up motion is kept within safe limits. The result of this Pioneer innovation is very low wow and flutter, which has been measured at less than 0.08% at 7½ ips.

RECORDING BIAS SELECTOR SWITCH

Different types of tapes require a different recording bias for optimum sound fidelity. The T-8800 includes a recording bias selector switch to enable you to get the most from the tape of your choice, and to permit you to use the variety of specialized tapes, such as standard or low noise, now available. The tape deck uses a recording bias oscillator circuit to provide ample power at maximum stability, thus assuring stable bias current and frequency.

REEL TURNTABLE HEIGHT ADJUSTOR AND REEL CLAMPS

One of the biggest tape nuisances—rubbing of tape on the tape reel—has been eliminated by the design of this feature. By turning the bolt at the upper end of the reel turntable shaft, the height of the reel turntables is adjusted and all noise that otherwise might occur by tape rubbing is dissipated. Additionally, reel clampers are provided with the T-8800 instead of conventional rubber reel retaining caps so that you may mount or remove tapes with one hand.



TRACK INDICATOR UNIT

This unique Pioneer feature indicates at a glance which tracks are in operation, the direction of tape motion, and whether the deck is recording or playing back material. A red lamp on this track unit also lights when recording of any material commences.



PAUSE LEVER

This device, which provides pausing and lock-in at the pause position, is necessary for accurate cueing of recording or eliminating portions of recordings.

SOUND-ON-SOUND CIRCUIT

This valuable feature means you'll be able to add all kinds of unusual special effects to any voice or music tapes you make. With sound-on-sound, you may record signals on one track, then mix them with other, new signals on an additional track. Sound-on-sound also allows you to record commentary or background music for 8 or 16 millimeter movies, and to make multiple recordings of your voice, then mix them with the sound of musical instruments that have previously been recorded.

LARGE, EASY-TO-READ LEVEL METERS

For ease of adjusting recording levels on all channels, the T-8800 has two extra-large level meters. When the tape deck is placed in a horizontal position, the meters are elevated and still easily readable.



MIC AND LINE INPUT MIXING

Another key feature: Signals fed through both the line and microphone inputs may be mixed and recorded together. You may thus sing or play musical instruments, record this music through the microphone, and mix it with a tape or radio broadcast.

OPTIONAL REMOTE CONTROL

Model PP-210 remote control unit, an optional accessory, permits operation of the playback, recording, stop or fast takeup of either reel from a distance of up to 16 feet.

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SPECIFICATIONS

Drive and control:	Center capstan drive with automatic reverse for record and playback, plus automatic repeat playback with sensing foil or manual operation.	Output:	Line output (fixed): 0.775 V/50k ohms. Line output (variable): more than 1 V. Headphones output: 0.4 mW/8 ohms
Track:	4-track, 2-channel stereo/4-track, 1-channel mono	REC/P.B. connector:	DIN type
Recording compensation:	NAB	Semi-conductors:	Transistors: 26 Diodes: 22
Erasing:	AC system	Mechanical features used:	Easy-loading mechanism, recording bias selector, sound on sound, reel turntable height adjusting mechanism, reel clampers, track indication unit, remote control jack.
Reel size:	Up to 7 inches	Accessories(supplied):	PR-70 reel (easy-loading)1 Dust cover1 Connection cords2 Power supply cord1 Splicing tape1 Sensing foil1 Cleaning kit1 Cleaning ribbon.....1 Fuse (3A)1
Motors:	8-pole/4-pole hysteresis synchronous motor, 4-pole induction motor	Power requirements:	110, 117, 130, 220, 240 V, 50/60 Hz AC.
Tape heads:	4-track 2-channel erasing/recording combination head × 2 4-track 2-channel playback head × 2	Maximum power consumption:	110 VA (100W)
Tape speeds:	7½ ips (19 cm/s), 3¾ ips (9.5 cm/s)	Dimensions:	21¾(W) × 9¾(H) × 16⅝(D) inches 556(W) × 418(H) × 242(D)mm
Fast winding time:	Approximately 110 seconds (1,200 ft/370 m tape)	Weight:	Tape deck only: 50 lb. 10 oz./23 kg With package: 59 lb. 6 oz./27 kg
Wow and flutter:	Less than 0.08% at 7½ ips (19 cm/s) Less than 0.15% at 3¾ ips (9.5 cm/s)		
Frequency response:	30 to 20,000Hz (40 to 15,000Hz ±2dB) at 7½ ips (19 cm/s) 30 to 15,000Hz at 3¾ ips (9.5 cm/s)		
Signal to noise ratio:	Better than 55dB		
Input:	Microphone: 0.5 mV/50k ohms Line 1,2: 55 mV/100k ohms		



PIONEER ELECTRONIC CORPORATION / 15-5, 4-chome, Ohmori-Nishi, Ohta-ku, Tokyo.
PIONEER ELECTRONICS U.S.A. CORPORATION / 140 Smith Street, Farmingdale, N.Y. 11735, U.S.A.
PIONEER ELECTRONIC (EUROPE) N.V. / Frankrijklei 64-68, 2000 Antwerp, Belgium