

EREO

TC-252 D

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The SONY Model 252 D Tape Deck Recorder is a four-track stereophonic/monophonic tape transport for the accurate recording and playback of recorded or pre-recorded tapes in conjunction with high fidelity components and speakers. The 252 D will fill all of the needs of the hi-fi enthusiast

for the accurate recording and playback of tape. Special features: vibration free motor: all silicon transistors for exceptional low noise and distortion; professional high frequency low noise and distortion; professional high fre-

quency bias: scrape flutter filter which eliminates tape modulation distortion: automatic sentinel shut-off: stereo headphone lack: and retractomatic pinch roller. The 252D comes mounted in an attractive walnut-finish

base and can be operated in either a vertical or horizontal position or custom mounted in any sound system.



Location	of Controls
	on to Pre-amp/Amplifier
	layback
	nic Playback
	on Information
Stereo R	ecording
Monophi	nic Recording
	Sound Recording
Erasing	Tape
Splicing	Tape
	ince
Mountin	

Power/Record Lamp

Tape Counter Automatic Shut-off Headphone Jack

Tape Speed Selector Take-up Reel Spindle

Record Level Controls Function Selector

Power Switch Record Lever

Reel Cap

Auxiliary Input Jacks AC Power Cord

1. Keep the set away from extreme heat and avoid any mechanical shock. The ventilation grill located at the

- bottom should be free to permit proper ventilation. 2. The 252 D can be used in either horizontal and vertical position. When in use vertically, make sure to place the reel caps on the spindles. Also, if necessary, attach the supplied non-skid pads to the bottom of the cabinet. 3. When recording through the Auxiliary Input Jacks, re-
- move any input source connected to the Microphone Jacks, otherwise any input source connected to the Auxiliary Input Jacks will not be recorded.
- 4. Keep the head clean. Dust and deposits on the heads will prevent optimum performance. 5. When the set is not in use, the Function Selector must
- be placed in the stop position

## CONNECTION TO PRE-AMP/AMPLIFIER Connect left and right Line Output Jacks of the recorder to respective tape input lacks (or line input lacks) of an integrated amplifier (pre-amp/amplifier) using the Connecting Cord RK-74 (supplied). Then, connect left and right Auxiliary

Input Jacks of the recorder to respective line output lacks (or recording output lacks) of the integrated amplifier with the Connecting Cord RK-74 (supplied).











1. Set up the stereo playback system 2. Turn the AC power of each component ON. 3. Place a prerecorded tane on the Feed Reel Snindle with

the side I up and place an empty real on the Take-up Reel Spindle & When the recorder is used in vertical position, place the supplied Reel Caps on the spindles.



5. Set the Tape Speed Selector to the required speed of the prerecorded tape. 6. Set the Function Selector to [▶] position, the tane will

begin to move forward. Track-1 and track-3 will be played back.

7. Adjust the volume and tone controls of the connected 8. To play back track-4 and track-2, invert and reverse the tape reels

If you want to listen to the programs from the middle of the tape, turn the Function Selector to [>>]. When the tape reaches the desired position, turn the Selector to [ For instant ston Function Selector to [6] position

Connect the SONY Stereo Headphone DR-6A (optional acces-

For fast forward

sory) or any 8 ohm stereo headphone to the Headphone at a pre-determined point, therefore, the volume of the headohone is always constant.

position and turn it again to [b] position

The following playback procedure is recommended for a monophonic tape whose sequence of recording is; track-1, track-4, track-3 and track-2.

1. Set up the amplifier-speaker system. 2. Place the recorded tape with side 1 up and thread the

3. Turn the AC power of each component ON 4. Set the mode selector of an external amplifier to [L]

5. Set the Tape Speed Selector to the required speed of the pre-recorded tape. 6. Set the Function Selector to [>] position, the tape will begin to move forward. Track-1 will be played back.

7. Adjust the tone, volume and other controls of the connected external amplifier to reproduce the left channel

8. When the end of the tape is reached, do not rewind the tape. Invert and reverse the tape reels to play back track-4. 9. To playback track-3 and track-2, adjust the amplifier for right channel reproduction. Then repeat the procedure of track-1 and track-4 playback.

Microphone Inputs

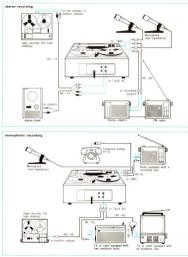
Equipped with mini lacks with an input level of 0.19mV. Will accept any high quality 600 ohm impedance microphone (SONY F-98 is recommended). Also accepts SONY radio or TV set equipped with a recording output lack **Auxiliary Inputs** 

Equipped with phono jacks. These inputs have an input level of 0.06V and an input impedance of 560k ohms. Accept outputs of a stereo tuner, a receiver or tape recorder (monitor outputs or line outputs). When recording through

these inputs, make sure to remove any sound source connected to the Microphone Jacks.

**Line Outputs** 

Equipped with phono jacks. These outputs have an output level of 0.775V and a load impedance of 100 k ohms. Connect outputs to the inputs of a stereo amplifier or a





Feed Reel Spindle with the reel on the Take-up Reel 4. Select the desired tape

5. Set the figures on the Tage Counter to [000] by





6. Press until locked the Record Levers and adjust the Record Level Controls. the Level Meter to the boundary of the red and black zones provides normal

the needle into the red



7. While holding the Record tion Selector to [>] position.

side 1 is completed, invert and reverse the reels on the spindles. Track-2 and track-4 recording will then

. For the monitoring of the programs being recorded. insert a stereo headphone into the Headphone Jack



4-track stereo recording









# 1. Connect the desired program source to the Auxiliary

Input Jack [L] or the Microphone Jack [L]. 3. Place the tape on the Feed Reel Spindle with the side 3

4 Select the desired tape speed. 5. Set the figures on the Tape Counter to [000] by pressing the Tape Counter Reset Button

6. Press until locked the Record Lever [L], and adjust the record level by turning the Record Level Control [L]. Deflection of the needle of the Level Meter to the

boundary of the red and black zones provides normal

7. While holding the Record Lever [L] down, turn the Function Selector to [>] position. The recording of track-1

B. When track-1 is completed, invert and reverse the reels.

Track-4 recording will then be continued. 9. To record on the track-3 and track-2, connect the program source to the Auxiliary Input Jack [R] or the Microphone Jack [R]. Adjust the record level by locking the right Record Lever and turning the Record Level Control [R]. Then, repeat

## Sound-on-Sound Recording is possible with the use of the

SONY Monophonic Microphone Mixer MX-600M or SONY Stereo Microphone Mixer MX-6S. Connect the microphone mixer to the recorder using the SONY Connecting Cord RK-80 (optional accessory) as illustrated.

1. Record basic source material on track-1 of the left channel according to monophonic recording on the previous paragraphs. When the tape is completed, rewind

to the beginning. 2. Plug in a low impedance stereo headphone to the Headphone Jack. Listening through the headphone, record on

track-3 of the right channel. From the left headphone, the playback of left channel is heard, and from the right & While recording, be careful not to turn the Record

Level Control of the recorder or Microphone Mixer fully 3. When the end of the tape is reached, rewind it and play

back track-3; the composite recording will then be played back.



time you make a recording, any previous recording on the tape is automatically erased. You can also erase a tape without adding a new recording as follows 1. Place the recorded tape which you want to erase on the

Feed Real Spindle. 2. Turn the Record Level Controls fully counterclockwise



3. While holding both Record Levers down, turn the Function Selector to [ ] position. While the tape is in motion. track-1 and track-3 will be erased. Tape speed of 7-1/2 4. When erasing of track-1 and track-3 is completed, invert and reverse the reels. Track-4 and track-2 will then be

By pressing only the Record Lever [L], track-1 will be erased and track-4 will be also erased when the reels are inverted and reversed. By pressing only the Record Lever

(R), track-3 will be erased and track-2 will be also erased when the reels are inverted and reversed. For fast erasure, use a bulk eraser, 1. Use splicing tape and a pair of scissors. Do not use

- ordinary cellophane tape as it tends to deteriorate. 3. Place the two diagonal ends together, shiny side up on
- overlap. Then, place a piece of splicing tape over the

Optimum performance will be assured by clean heads. Remove the head cover by pulling it up. Take the supplied head cleaning ribbon or a solt cloth and wipe the heads and the tape guide over which the tape travels. When the deposits cannot be removed, moisten the ribbon or the cloth with denatured alcohol and repeat cleaning.















Demagnetizing heads

Lubrication

Although the 252 D incorporates a circuit to demagnetize

the record head, under certain conditions such as prolonged playback, residual magnetism could gradually build up on

the heads, causing degradation of tapes. Periodic use of

the SONY HE-2 head demagnetizer is recommended to maintain optimum performance.

Use light machine oil and lubricate capstan, pinch roller

shaft and idler shafts every 6 months. Avoid excessive lubrication. It will cause slippage of the mechanism and contamination of your tape. Remove the head cover by pulling it up. Remove the Function Selector, Tape Speed and lift up the panel. Take out the caps of the pinch roller and the three idler shafts. Lubricate the capstan with 3 drops, and the idler shafts and the pinch roller with 1 drop each of light mechine oil.



Cleaning heads

