

TC-252 D

OWNER'S INSTRUCTION MANUA The SONY Model 252 D Tape Deck Recorder is a four-track tetreophonic/monophonic tape transport for the accurate recording and playback of recorded or pre-recorded tapes in conjunction with high fleelity components and speakers. The 252 D will fill all of the needs of the hilf enthusiast for the accurate recording and playback of tape.

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frequency low noise and distortion; professional high frequency bias; scrape flutter filter which eliminates tape modulation distortion; aucomelio seniorie skut off; storeo hasdphene jaks; and retractormatic princh roller. The 252D comes mounted in an attractive walnut-finish

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.



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LOCATION OF CONTROLS



Tape Speed Selector

Take-up Reel Spindle

Record Level Controls

Power Switch

Reel Cap

Audiay layol Jacks

NOTE

Line Output Jacks

NOTES

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

- 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 is 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 cabinat. 3. When recording through the Ausiliary input Jacks, re-
- move any input source connected to the Microphone Jacks, otherwise any input source connected to the
- Keep the head clean. Dust and deposits on the heads will prevent optimum performance.
 When the set is not in use, the Function Selector must
- When the set is not in use, the Function Selector must be placed in the stop position.

Connect left and right Line Output Jacks of the recorder to 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 jacks (or recording output lacks) of the integrated amplifier with the Connecting Cord RK-74 (sunnied)



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

the side 1 up and place an empty reel on the Take-up Reel Spindle. then the recorder is used in vertical position, place the supplied Reel Caps on the spindles 4. Thread the tape through the tage path of the Head



5. Set the Tape Speed Selector to the required speed of

the prerecorded tape. 6. Set the Function Selector to (▶) position, the tage will begin to move forward. Track-1 and track-3 will be

8. To play back track-4 and track-2, invert and reverse the tape reels

played back. 7. Adjust the volume and tone controls of the connected

nected to the Microphone Jacks Line Outputs level of 0.775V and a load impedance of 100 k ohms. Connect outputs to the inputs of a stereo amplifier or a

Equipped with phono jacks. These inputs have an input 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 con-

(SONY F-98 is recommended). Also accepts SONY radio or TV set equipped with a recording output lack **Auxiliary Innuts**

cedure of track-1 and track-4 playback.

CONNECTION INFORMATION Microphone Inputs Equipped with mini lacks with an input level of 0.19mV. Will accept any high quality 600 ohm impedance microphone

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

the pre-recorded tape. 6. Set the Function Selector to [>] position, the tape will 7. Adjust the tone, volume and other controls of the connected external amplifier to reproduce the left channel

2. Place the recorded tane 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 following playback procedure is recommended for a monophonic tape whose sequence of recording is: track-1.

at a pre-determined point therefore, the volume of the headphone is always constant.

sory) or any 8 ohm stereo headphone to the Headphone Jack. The line output level of the Headphone Jack is fixed

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

For private listening

tape reaches the desired position, turn the Selector to [] To stop tape motion instantly at any desired time, turn the Function Selector to [] position.

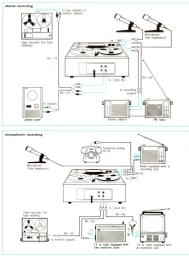
position and turn it again to [>] position.

1. Set up the amplifier-speaker system.

If you want to listen to the programs from the middle of the tape, turn the Function Selector to [>>]. When the

For fast forward

For instant stop



sound source to the Auxto the "Connection Informetion" on names 2 and 3 2 Turn the AC namer of

3. Place the tape on the Feed Real Spindle with the

reel on the Take-up Reel 5. Set the figures on the Tape Counter to [000] by





6. Press until locked the Record Levers and adjust Deflection of the needle of boundary of the red and

& It is normal for occasional transient peaks to deflect the needle into the red

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

side 1 is completed, invert and reverse the reels on the spindles. Track-2 and

. For the monitoring of the programs being recorded. into the Headphone Jack















1. Connect the desired program source to the Auxiliary

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 Func-

tion Selector to [>] position. The recording of track-1 R. 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

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 Menophonic Microphone Mixer MX-600M or SONY Staren Microphone Mixer MX-6S. Connect the microphone mixer to the recorder using the SONY Connecting Cord

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

2. Plus in a low imperiance stereo headphone to the Head-

- While recording he careful not to turn the Becord Level Control of the recorder or Microphone Mixer fully

9. When the end of the tane is reached, rewind it and play back track-3: the composite recording will then be



The arase head enerates in record mode, therefore, every 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 tane which you want to erase on the

2. Turn the Record Level Controls fully counterclockwise

4-track monophonic recording



Selector to [▶] position. While the tape is in motion. track-1 and track-2 will be erased. Tane speed of 7-1/2 and reverse the resis Track-4 and track-2 will then be

4. When erasion of track-1 and track-2 is completed invest

By pressing only the Barord Lever [1] track-1 will be erased and track-4 will be also erased when the reals are invested and reversed. By pressing only the Bacced Lever

1. Use solicing tape and a pair of scissors. Do not use

- ordinary cellephane tape as it tends to deteriorate. 2. Overlan the tanes to be soliced and make a diagonal
- cut across the merlanned position. 3. Place the two diagonal ends together, shiny side up, on a flat surface. Be careful to make ends meet, but not
 - overlan. Then place a piece of anliging tape over the



MAINTENANCE

Cleaning heads

Optimum performance will be assured by clean heads. Remove the head cover by pulling it up. Take the supplied head cleaning ribbon or a soft 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 receat cleaning.



Although the 252 D incorporates a circuit to demagnative the record head under certain conditions such as prolonged

playback residual magnetism could gradually build up on the heads causing degradation of tenes. Periodic use of the SONY HE-2 head demagnetizer is recommanded to maintain ontimum parformance



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 tage. Remove the head cover by pulling it up. Remove the Function Selector, Tape Speed 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.





