

4-TRACK STEREO RECORDING/PLAYBACK PROCEDURES

For information about individual switches and controls, refer to the back of this sheet.

RECORDING PROCEDURE

Step	Required Action	Purpose
1	Connect stereo amp. If recording from mikes, connect mikes.	Preparing to enter recording mode
2	Place tape-loaded reel on left turntable and empty reel on right turntable, then thread tape.	
3	Change over Rec. Bias Selector, depending on kind of tape in use..	
4	Use Tape Speed SW. to select proper tape speed.	
5	Turn on power for SD-5000, stereo amp., tuner and/or turntable.	
6	Adjust sound volume from speakers by operating volume control on stereo amp.	
7	Set Monitor Switch at SOURCE.	
8	Turn Record Selector to STEREO.	
9	Adjust appropriate input volume control so that VU meter pointers will swing to red '1' or '2' mark for loudest passages of material to be recorded. Then adjust outer knob and inner ring of that control separately so that both left and right channel VU meter pointers will swing about same distance. (*Adjust Line-1 Input Volume Control if recording from tuner, turntable or another tape deck. If recording from microphones or DIN socket, adjust MIC/Line-2 (DIN) Input Volume Control.)	Preset recording levels
10	Reset Tape Counter to '0000.'	Enter recording mode
11	Push Record Button and Forward Button simultaneously. Tracks 1 and 3 will be recorded.	
12	When tape is recorded to end, switch left and right reels, then start recording again. Tracks 2 and 4 will now be recorded.	

PLAYBACK PROCEDURE

Step	Required Action	Purpose
1	Connect stereo amp.	Preparing to enter playback mode
2	Place tape-loaded reel on left turntable and empty reel on right turntable, then thread tape.	
3	Use Tape Speed SW. to select desired speed.	
4	Turn on power for SD-5000 and stereo amp.	
5	Turn on tape monitor switch of stereo amp.	
6	Set Monitor Switch to PLAYBACK.	
7	Push Forward Button to make tape travel from left to right.	Adjust playback levels and enter playback mode
8	Turn Playback Volume Control to '5' or '6.'	
9	Tape travels on and when recorded signals are reproduced, VU meter pointers move. Adjust sound volume from speakers with volume control of stereo amp.	
10	Adjust Playback Volume Control so that VU meter pointers will swing to red '1' or '2' mark for loudest passages. Tracks 1 and 3 are reproduced.	
11	When tape has played to end, push Reverse Button before tape end leaves left reel. Tape motion will be reversed, and tracks 2 and 4 be reproduced.	

NOTE WELL

- ◇ Your SD-5000 is adjusted to the correct line voltage and frequency of your area prior to shipment; they are indicated on the rear panel. Should they be wrong for some reason, however, change them as instructed on page 20 of the Operating Instructions.
- ◇ If the Pause Lamp is lit, the tape cannot be started unless the Pause Switch is first released.
- ◇ When switching from forward playback to reverse playback, or vice versa, sound will not come out instantly after the appropriate operating button is pushed. It will come out after a delay of about 2 seconds.
- ◇ To stop the tape during fast forwarding (or rewinding), push the Rewind (or Fast Forward) Button first to slow down the tape, then push the Stop Button.
- ◇ To play back a recorded tape, be sure that the Monitor Switch is set at PLAYBACK. When recording, set the same switch at SOURCE and preset the recording levels, then set it back at PLAYBACK to monitor the recording as you make it.
- ◇ Make certain all connection plugs are fully inserted. If they are left halfway, the tape deck may fail to operate normally.



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Printed in Japan (D1020M)

SANSUI SD-5000 FRONT

TAPE COUNTER

Helps you locate any given place on a tape. Push the reset button and reset the counter to '0000' before recording or playing back.

LEFT REEL

Both 5-inch and 7-inch reels are appropriate for use. But, for best results, the use of a 7-inch reel is recommended.

LEFT TENSION ARM

Helps stabilize the tape travel by eliminating any vibration from the left reel motor and increasing the effectiveness of the Guide Roller action.

IMPEDANCE ROLLER

Reduce the wow and flutter of the tape by taking advantage of the inertia of the heavy flywheel linked to it in the back. Also evens the tape tension with the help of the left tension arm.

SENSING POLES

Located inside the head housing. When the tape is being played back in the forward direction and reaches its end, if a strip of sensing foil is attached to it, it contacts these poles and the tape motion is automatically reversed.

HEAD HOUSING

Covers the magnetic heads. The heads are, from left to right: erase head, recording head, reverse playback head, and forward playback head.

STAND-BY LAMP

Illuminates when the Record Button is pushed, even if the Record Selector is set at STAND-BY.

RECORD BUTTON

To start recording, press the Forward Button while pushing this button.
The Stand-by Lamp illuminates while the recording continues.

CUE BUTTON

When the tape is being wound fast in either direction, it is moved away from the head surfaces. Pushing this button, however, presses the tape against the heads, so that any sound recorded on it is played back fast. Convenient for locating where the last recording ended.

POWER SWITCH

Push once to turn on power, and the VU meters will illuminate. Push once again to turn off.

TAPE SPEED SWITCH

Use to select either of the two available speeds: 7½ ips (19 cm/sec.) and 3¾ ips (9.5cm/sec.). Push it to select the latter speed.

RECORDING INDICATOR LAMPS

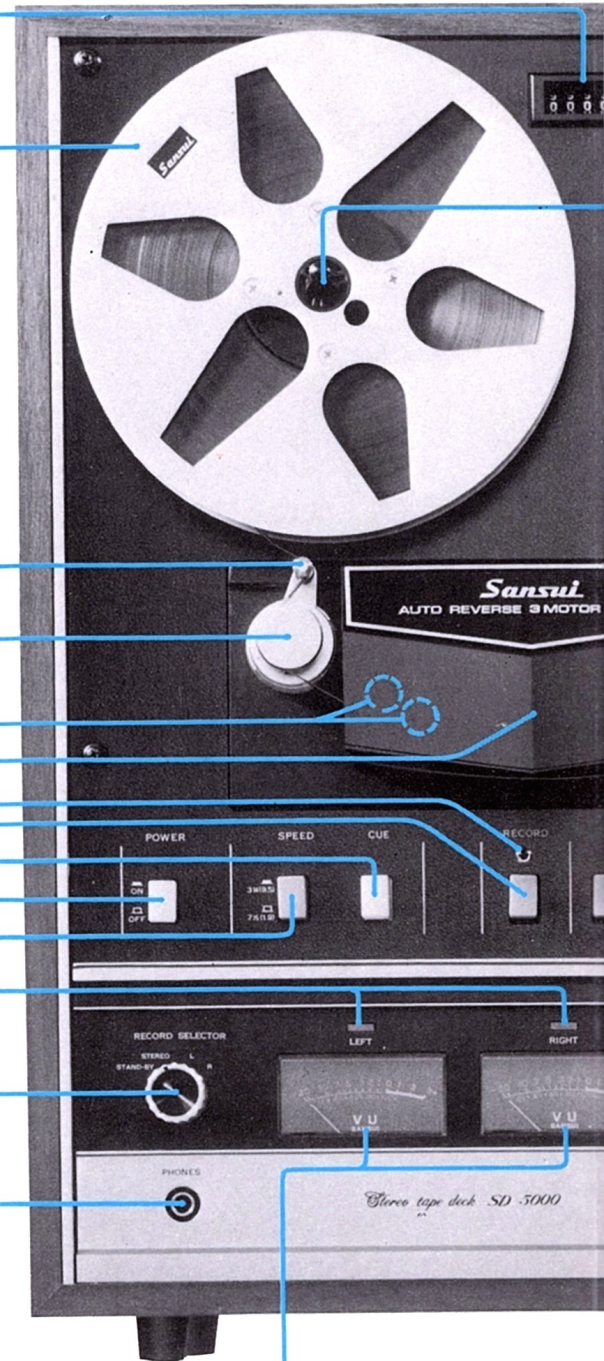
Indicate in which channel the recording is made. Both LEFT and RIGHT lamps illuminate when the tape deck is recording in stereo.

RECORD SELECTOR

For selecting the desired recording mode. In the 'STAND-BY' position, the tape is not recorded even if the Forward and Record Buttons are engaged. Permits interesting 'add-on' recording techniques.

HEADPHONES JACK

To monitor the signals being reproduced by either playback head, plug in a stereo headphone set with impedance of 8Ω , such as the Sansui SS-20, SS-10 or SS-2.



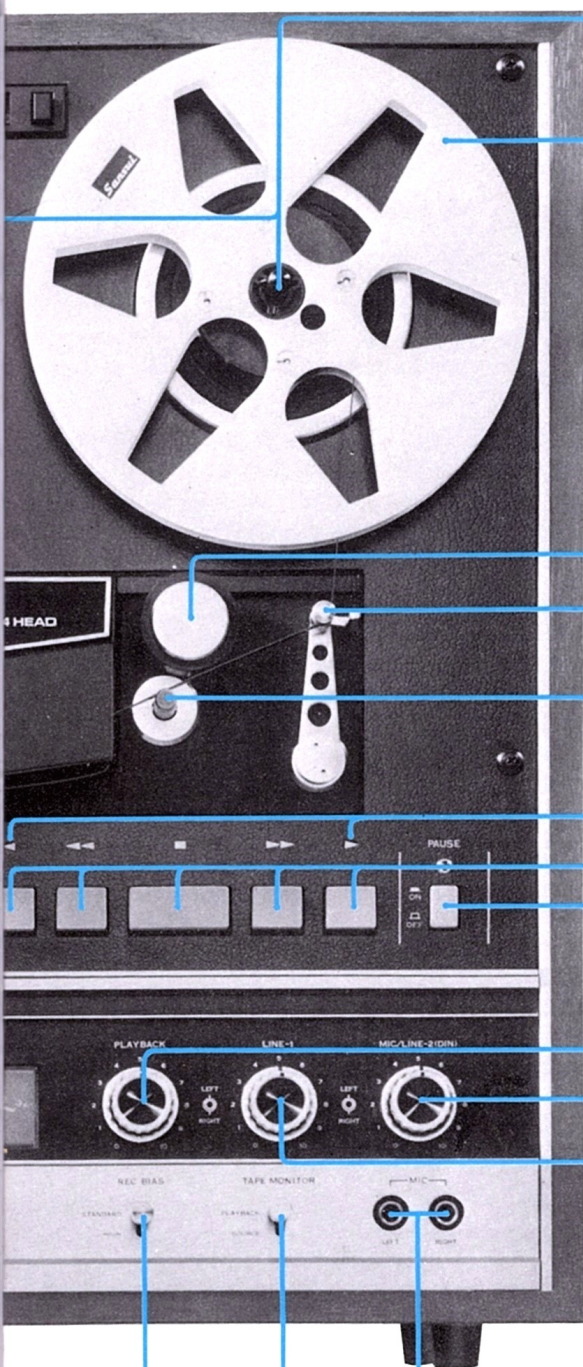
VU METERS

Indicate the recording and playback levels. The left meter is for the left channel, and the right meter for the right channel. Adjust the appropriate volume control so that the meter pointers will swing to the red '1' or '2' mark for the loudest passages.

REC. BIAS SELECTOR

Permits selecting the recording bias current and signal level most appropriate for the kind of tape in use. The 'STANDARD' position is for standard tape, such as Scotch #150, and the 'HIGH' position for low-noise tape such as Scotch #203.

PANEL INFORMATION



REEL CLAMPS

Secure the reels by pulling the stoppers and turning them about 60 degrees.

RIGHT REEL

Should be of the same size as the left reel.

PINCH ROLLER

Presses the tape tight to the capstan.

RIGHT TENSION ARM

This arm cancels any slack in the tape when it is started or stopped; it also works to apply constant pressure on the tape as the diameter of the wound tape on the right reel changes. Further, a power switch for the reel motors is linked to this arm. When the tape is taken up completely by the correct reel as programmed and the tension arm drops, it turns off the reel motors automatically to stop the reel motion.

CAPSTAN

Drives the tape at the speed selected. It is ultra precision machined to offer accurate speeds.

TAPE TRAVEL DIRECTION LAMPS

Indicate the direction of the tape travel. The $\triangleright$ lamp indicates the forward playback head is live and the capstan is revolving in that direction. The tape is running or is ready to run from left to right. The $\triangleleft$ lamp indicates a reverse condition, with the reverse playback head kept live. Instant starting is possible in the direction of the lit lamp.

OPERATING BUTTONS

FORWARD BUTTON $\triangleright$: The tape travels from the left reel to the right reel. This is necessary for either recording or forward playback.

FAST FORWARD BUTTON $\triangleright\triangleright$: The tape is quickly transferred from the left reel to the right reel.

STOP BUTTON $\square$: Use this button to stop the tape. To stop the tape during rewinding, it is desirable to push the Fast Forward Button once to slow down the tape, then push the Stop Button. Conversely, to stop the tape during fast forwarding, it is better to push the Rewind Button once, then push the Stop Button. This will minimize the possibility of damaging the tape.

REWIND BUTTON $\triangleleft\triangleleft$: The tape is transferred quickly from the right reel to the left reel.

REVERSE BUTTON $\triangleleft$: The tape travels from the right reel to the left reel to achieve reverse playback.

PAUSE SWITCH

Push this switch to stop the tape temporarily during playback, or during recording without canceling the recording mode. The pilot lamp above the switch will glow. Push it again, and the tape will resume travelling, turning off the lamp.

PLAYBACK VOLUME CONTROL

Use to adjust the sound volume when playing back a recorded tape. Be sure that the Monitor Switch is set at 'PLAYBACK'. Adjust the control so that the VU meter pointers will swing to the red '1' or '2' mark for the loudest passages.

MIC/LINE-2 (DIN) INPUT VOLUME CONTROL

Use to adjust the recording level when recording from microphones or the DIN terminal on the side panel. Adjust it so that the VU meter pointers will swing to the red '1' or '2' mark for the loudest passages of the music to be recorded. Make the adjustment only after setting the Monitor Switch to 'SOURCE.' The outer, smaller knob adjusts the left channel, and the inner, larger ring adjusts the right channel.

LINE-1 INPUT VOLUME CONTROL

Use in the same manner as the MIC/LINE-2 (DIN) Input Volume Control when recording from the LINE-1 input terminals on the side.

MICROPHONE JACKS

To record from microphones, insert here the plugs of a pair of high-impedance ($10k\Omega$ to $50k\Omega$) microphones, such as the Sansui SDM-1's ($600\Omega/50k\Omega$ compatible) or SDM-2's ($10k\Omega$). The left jack is for the left channel microphone, and the right one for the right channel microphone.

MONITOR SWITCH

Enables hearing the original program source sound and the recorded sound for comparison. Leave it at 'PLAYBACK' to hear the recorded sound for playback or monitoring purposes. Push it down for 'SOURCE' to hear the original sound.

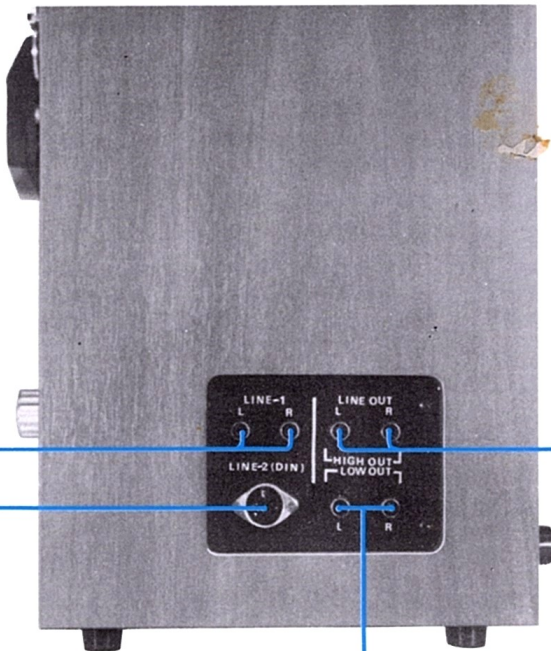
SIDE AND REAR PANEL INFORMATION FOR SD-5000

LINE-1 INPUT JACKS

Connect the recording outputs of a stereo amplifier or tuner to these jacks. The one marked 'L' is for the left channel, and the one marked 'R' for the right channel. Use the pin plug cables supplied to make the connections.

LINE OUTPUT JACKS (HIGH OUT)

To reproduce a recorded tape and hear it from loud-speaker systems, connect these jacks with the tape monitor jacks of your stereo amplifier. Do not forget to turn on the tape monitor switch of your amplifier.



LINE OUTPUT JACKS (LOW OUT)

If the sound from the speaker systems is distorted because the output voltage of the tape deck is excessively high, re-connect your stereo amplifier to these jacks.

DIN CONNECTOR SOCKET (LINE-2)

(Integrated record/playback connector)

Manufactured to the German DIN standards, this connector enables a single cable with a 5-pin plug on each end to connect a tape deck and a stereo amplifier for both recording and playback operations. If this connector is used to connect your amplifier, use the MIC/LINE-2 (DIN) Input Volume Control to adjust the recording sound volume, and the Playback Volume Control to adjust the playback sound volume.

REMOTE CONTROL CONNECTOR

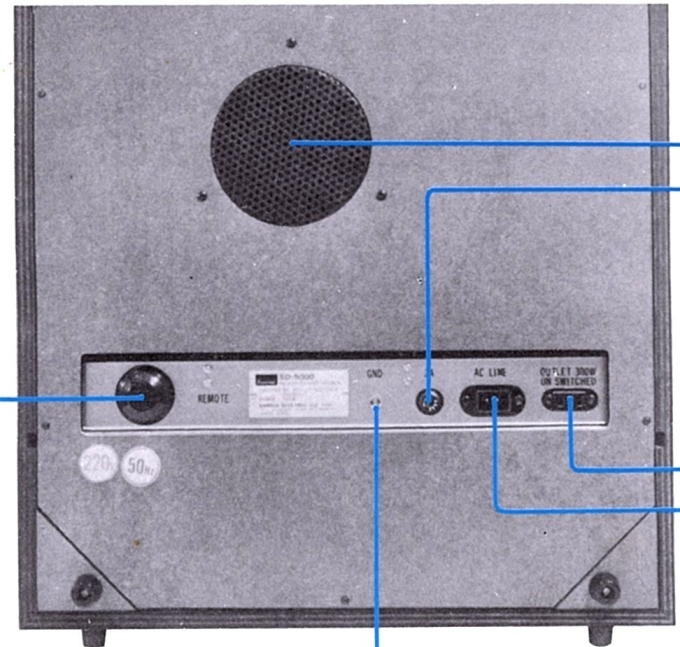
By removing the dummy plug inserted and connecting the Sansui SRC-2 remote controller unit (available at option), you can remotely control the tape deck for forward, reverse, fast forward and rewind operations.

POWER FUSE

See page 20 of the Operating Instructions.

VENTILATION OPENING

Designed to permit room air inside. Should be left free of any obstruction.



GROUNDING TERMINAL

If loud hum is heard, connect this terminal with the grounding terminal of your stereo amplifier, utilizing PVC cable.

AC LINE INPUT

After making certain the voltage and frequency settings are correct, insert the power cord (supplied) in this socket, plugging its other end into an AC outlet in your room.

AC OUTLET (UNSWITCHED)

Connect the power supply plug of your stereo amplifier or tuner here. Maximum capacity is 300 watts.

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