

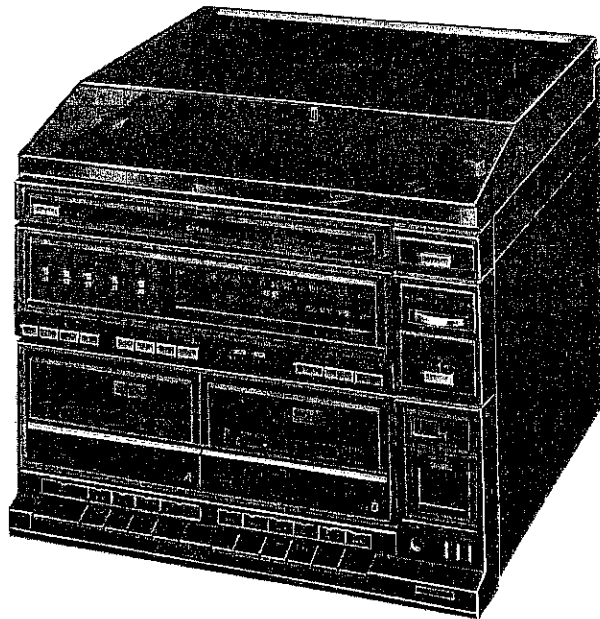
OPERATING  
INSTRUCTIONS

**SANYO**

# DCX W8

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## DOUBLE CASSETTE STEREO SOUND SYSTEM



## PREPARATION AND CONNECTIONS

### PREPARATION

1. Carefully unpack the unit and other parts. Remove all packing material from around the unit.
2. Locate the unit horizontally on a heavy duty stand or firm level surface, and away from the speaker system to avoid sound feedback.
3. Fit the dust cover to the unit with the hinges as shown in Fig. 1.
4. Place the rubber mat on the turntable platter.
5. Place the 45 rpm adaptor in its appropriate rest position.

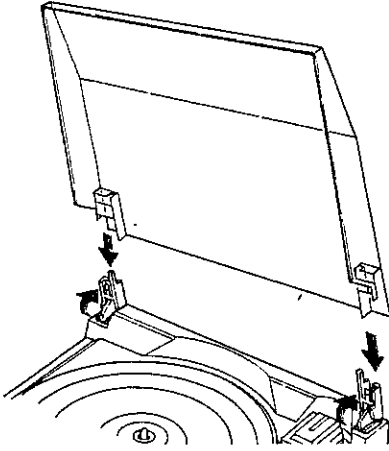


Fig. 1

### INSERTING BATTERY (for clock)

1. Open the battery compartment lid by pushing the latch.
2. Install a "AA/SUM-3/R6" size battery exactly as shown on the compartment (Fig. 2).
3. Close the compartment lid.

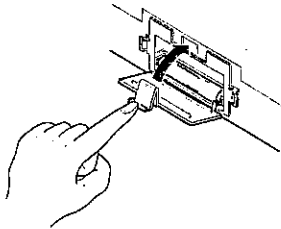


Fig. 2

### CAUTION WHEN INSTALLING BATTERY

To prevent battery leakage, which may possibly result in bodily injury and damage to the unit or other objects, observe the following precautions:

1. Battery must be installed with proper polarity (see diagram on the battery compartment).
2. Unused battery should not be left in unit.

### CONNECTIONS POWER SUPPLY

Connect the mains lead to an AC 240 V wall outlet.

#### Note:

- Do not connect the mains lead to an AC outlet until all connections have been made.

- Before connecting the mains lead, set the POWER switch to OFF.

### AERIALS

In local areas the simple indoor aerial (supplied) is sufficient to receive FM broadcasts and should be connected to the rear EXT. ANT. FM terminal. In fringe areas or where reception is distorted or noisy, an FM external aerial (not supplied) should be connected instead of the simple indoor aerial. Consult your dealer.

The loop aerial (supplied) can be used for AM reception. Attach the loop aerial into the aerial holder as shown in Fig. 3. Adjust its angle for best reception (Fig. 4); or detach from unit and fix in alternative position for good reception.

#### Note:

For better AM radio reception, the speaker, mains and any other leads should not come close to the loop aerial and external aerial terminals. Do not place the unit on a metal surface.

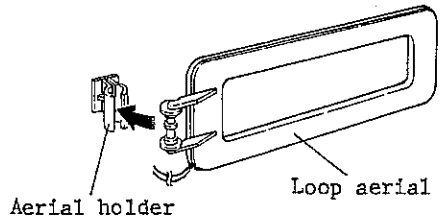


Fig. 3

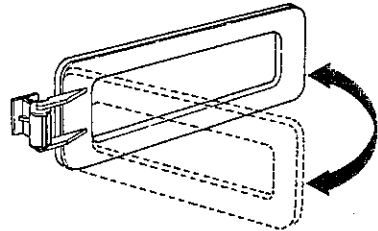


Fig. 4

### SPEAKER TERMINALS (SPEAKERS)

These terminals will accept speakers of 8 ohms impedance. Connect the SX W8 speaker leads to the speaker terminals with the proper polarity. The red terminals are (+) positive and black terminals are (-) negative.

#### Note:

- The striped leads of the SX W8 speaker systems are (+) positive and the others are (-) negative.
- With incorrect polarity connections, proper stereo reproduction cannot be obtained.

While pressing the button of the terminal, insert the speaker wire into the opening and then release.

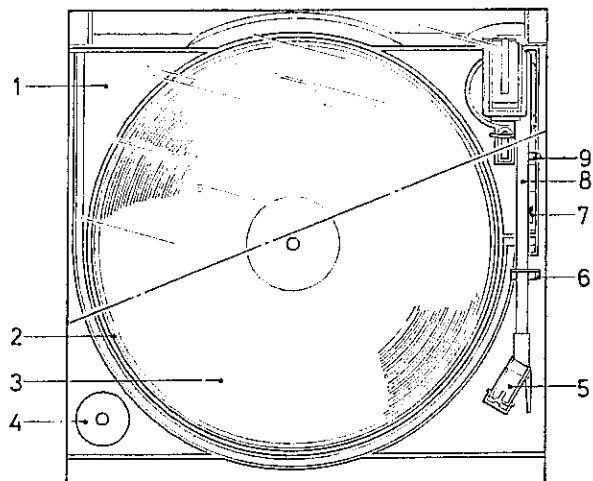
### COMPACT DISC PLAYER INPUT SOCKETS (CD)

Connection for the OUTPUT sockets of a compact disc player.

### PHONES SOCKET (PHONES)

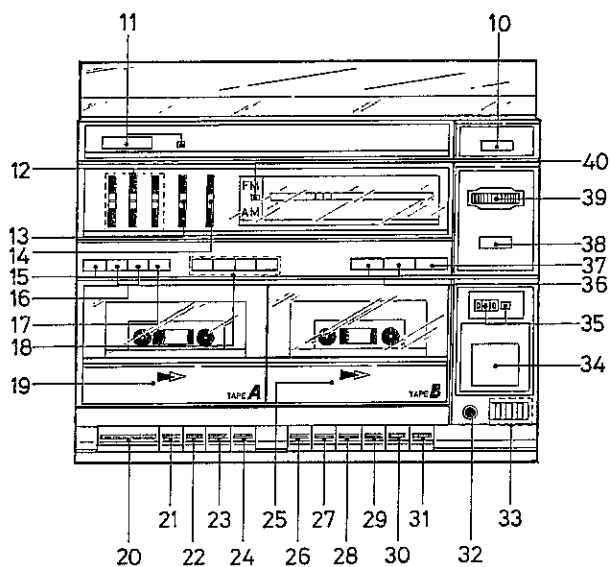
Connect stereo headphones (8 ohms to 10 k-ohms, optional) for monitoring or for private listening. The speakers are automatically disconnected when headphones are connected to the PHONES socket.

## CONTROLS (Fig. 5)



### TURNTABLE

1. Dust cover
2. Turntable platter
3. Rubber mat
4. 45 rpm adaptor
5. Cartridge
6. Tone arm rest
7. Speed select switch (SPEED)
8. Tone arm
9. Tone arm lift lever
10. Reject button (REJECT)
11. Power switch and indicator (POWER)
12. Graphic equalizer controls (GRAPHIC EQUALIZER)
13. Balance control (BALANCE)
14. Volume control (VOLUME)
15. Dolby NR switch (DOLBY NR)
16. Tape select switches (TAPE A/TAPE B)
17. Dubbing speed select switch (DUB. SPEED)
18. Function switches (FUNCTION)

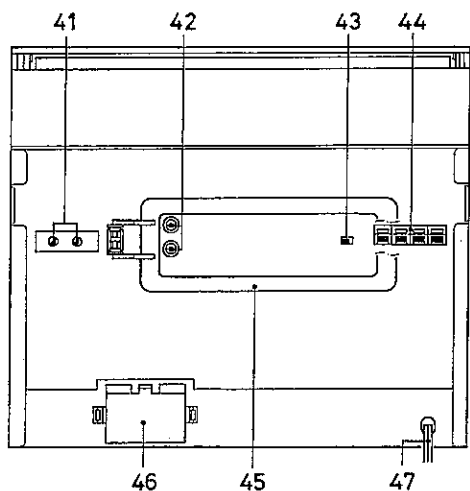


### TAPE A

19. Cassette compartment lid
20. Play button (PLAY)
21. Rewind button (REW)
22. Fast forward button (FFWD)
23. Stop/Eject button (STOP/EJECT)
24. Continuous play/Synchronous dubbing button (CONT. PLAY/SYNCHRO DUB.)

### TAPE B

25. Cassette compartment lid
26. Record button (REC)
27. Play button (PLAY)
28. Rewind button (REW)
29. Fast forward button (FFWD)
30. Stop/Eject button (STOP/EJECT)
31. Pause button (PAUSE)



32. Headphone socket (PHONES)
33. Time set switches (TIME SET)
34. Time display (TIME DISPLAY)
35. Tape counter and reset button (TAPE COUNTER)
36. Band switches (BAND)
37. FM high blend switch (FM HI-BLEND)
38. FM mode switch (FM MODE)
39. Tuning control (TUNING)
40. FM stereo indicator (FM ST)
41. External aerial terminals (EXT. ANT.)
42. Compact disc player input sockets (CD)
43. Beat cancel switch (BEAT CANCEL)
44. Speaker terminals (SPEAKERS)
45. Loop aerial
46. Battery compartment lid (for clock)
47. Mains lead

Fig. 5

## TIME SET (Fig. 6)

When a battery is inserted, the time display will appear on the TIME DISPLAY and the right hand dot will blink.

1. With the CLOCK button depressed, press the HOUR button until the correct hour is displayed.
  2. With the CLOCK button depressed, press the MINUTE button until the correct minute is displayed.
- When the AM indicator is illuminated, the displayed time is AM and when PM is illuminated it is PM.
  - The battery life is about a year.

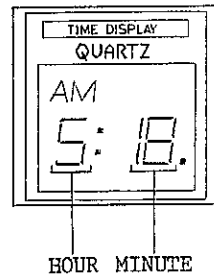


Fig. 6

## RECORD PLAY

### Note:

- Remove the stylus protector.
  - Be sure that the tone arm is detached from the tone arm rest before operation, and re-secured again after use.
  - Do not turn the turntable platter counter-clockwise.
  - Never grasp or hold the tone arm and platter during operation of the automatic mechanism.
1. Turn on the power by pressing the POWER switch.
  2. Press the PHONO FUNCTION switch.
  3. Place a record on the platter (if required, use the 45 rpm adaptor).
  4. Select the speed with the SPEED select switch depending on the disc to be played (33 or 45 rpm).
  5. Shift the arm lift lever to up (▲).
  6. Slowly move the tone arm to the desired position by hand. The platter will begin to rotate.

7. Shift the arm lift lever to down (▼). The tone arm will then descend onto the disc.
  - If you wish to momentarily stop disc play, shift the arm lift lever to up. Shift it to down to start disc play again.
8. Adjust the VOLUME, BALANCE and GRAPHIC EQUALIZER controls to the desired sound level and sound equalization.
9. When play is finished, the tone arm will return to its rest position and the platter will cease rotation automatically. You can stop the play at any time by pressing the REJECT button. The tone arm will immediately return to its rest position.

### GRAPHIC EQUALIZER CONTROLS (GRAPHIC EQUALIZER)

By means of three independent frequency (100/1k/10k Hz) controls, you can get your favourite sound shape flexibly. Flat response is obtained by setting the controls to the 0 positions.

## RADIO RECEPTION

1. Press the TUNER FUNCTION switch.
2. Press the desired BAND switch.
3. Set the FM MODE switch to STEREO.
4. Tune in a desired station by turning the TUNING control.

When an FM stereo broadcast is received, the FM ST indicator will illuminate. When a weak-signal FM station is received in stereo with high frequency noise, press the FM HI-BLEND switch to ON. If satisfactory reception is not obtained, press the FM MODE switch to MONO to improve reception. The FM ST indicator will go out.
5. Adjust the VOLUME, BALANCE and GRAPHIC EQUALIZER controls to the desired sound level and sound equalization.

### Note:

To avoid noisy radio reception, do not operate the turntable during radio reception.

## COMPACT DISC PLAY

1. Press the CD FUNCTION switch.
2. Adjust the VOLUME, BALANCE and GRAPHIC EQUALIZER controls to the desired sound level and sound equalization.

## COMPACT CASSETTE

### INSERTING AND REMOVING THE CASSETTE (TAPE A) (TAPE B)

Open the cassette compartment lid by pressing the STOP/EJECT button. Insert the cassette placing the full reel on the left (visible through the window) and the exposed section of tape at the bottom. Close the lid. To use the second track, press the STOP/EJECT button and remove the cassette. Turn the cassette around and reinsert it as previously described.

### COUNTER (TAPE B)

Helps to find the desired portion quickly. When recording at the beginning of a tape, set the counter to 000 by pressing the reset button.

### PREVENTION OF ACCIDENTAL ERASING (Fig. 7) (TAPE B)

To protect valuable recordings from accidental erasing, the cassette deck and the cassette are equipped with standard safety features. To keep the recorded material, break out the tabs on the back of the cassette with a knife or screwdriver. To protect side A (1) from accidental erasure, break out the right side tab (2). To record on a cas-

sette whose tabs have been broken, simply attach adhesive tape (3) over the tab opening. The REC button will not lock in position when a cassette tab has been removed.

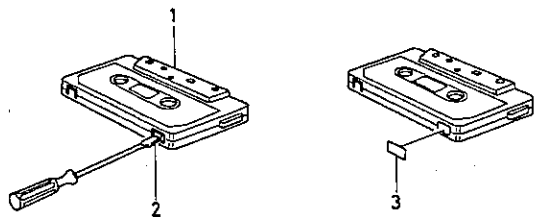


Fig. 7

### DOLBY NR SYSTEM (TAPE A) (TAPE B)

Dolby Noise Reduction circuitry provides superior recording and playback results by suppressing tape hiss by up to 10 dB for virtually noise free recordings. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Dolby Noise Reduction system is manufactured under license from Dolby Laboratories Licensing Corporation.

## CASSETTE PLAYBACK (TAPE A) (TAPE B)

The Tape-A is used for playback only. Tape-B is used both for recording and playback. Do not turn the unit off while the tape is running. Otherwise, the pinch roller may be damaged.

1. Press the appropriate STOP/EJECT button and insert a recorded cassette.
2. Press the TAPE FUNCTION switch.
3. Set TAPE A or TAPE B tape select switch for the type of tape being used.
4. Set the DOLBY NR switch to ON or OFF, according to whether the tape has been recorded with the Dolby NR system or not.
5. Press the PLAY button.
6. Adjust the VOLUME, BALANCE and GRAPHIC EQUALIZER controls to the desired sound level and sound equalization.
7. Press the STOP/EJECT button to stop playback at any time. When the end of the tape has been reached, the automatic stop will be activated.

### PLAYBACK OF TAPE-A AND TAPE-B CONTINUOUSLY (TAPE B) ➡ (TAPE A)

1. Press the PLAY button (Tape-B side). Tape-B will begin to play back.
2. Press the CONT. PLAY/SYNCHRO DUB. button.
3. Press the PLAY button (Tape-A side) (Tape-A will not move).

4. When the end of the tape is reached on Tape-B, the automatic stop will be activated. The CONT. PLAY/SYNCHRO DUB. button will be released and Tape-A will automatically begin to play back.
5. When the end of the tape is reached on Tape-A, the automatic stop will be activated.

### PAUSE

(Tape-B side)

Press the PAUSE button to momentarily suspend tape travel during playback or recording. Re-press the button to re-start playback or recording.

(Tape-A side)

Press the CONT. PLAY/SYNCHRO DUB. button to momentarily suspend tape travel during playback. Re-press the button to re-start playback.

### FAST FORWARD AND REWIND

For fast winding or rewinding the tape, press the FFWD or REW button. Press the STOP/EJECT button when the desired location has been reached. When the end of the tape has been reached, the reels will stop. The STOP/EJECT button should then be pressed.

## RECORDING (TAPE B)

This unit has an ALC circuit and no further adjustment of recording level is necessary.

1. Press the desired FUNCTION switch according to the source to be recorded.
2. Press the STOP/EJECT button and insert a cassette.
3. Set the TAPE B tape select switch for the type of tape being used.
4. Set the DOLBY NR switch to ON or OFF as desired.
5. Reset the counter to 000.
6. Press the the REC button.
7. Since you can monitor through the speakers regardless of recording level, adjust the VOLUME, BALANCE and GRAPHIC EQUALIZER controls to your desired sound level and sound equalization.
8. Press the STOP/EJECT button to stop re-

ording at any time. When the end of the tape has been reached, the automatic stop will be activated.

### BEAT CANCEL SWITCH (BEAT CANCEL)

When recording a radio programme on the tape, an irritating beat sound (high pitched tone) may sometimes be heard. In such cases, simply set this switch to the other position.

### ERASING

To erase the recorded tape without making a new recording, press the TAPE FUNCTION switch and let the unit operate in the recording mode.

#### Note:

Do not operate Tape-A mechanism while erasing.

## DUBBING OPERATION (TAPE A) (TAPE B)

The recording of radio programmes and gramophone records or dubbing of music tapes is permissible only insofar as copyright or other rights of third parties are not thereby infringed.

- This unit enables you to dub a recorded tape onto another tape by using the built-in double deck mechanisms. It is performed only one way from Tape-A (playback) to Tape-B (recording).

- During dubbing operation, the DOLBY NR switch has no effect.

### DUBBING

1. Insert a recorded cassette into Tape-A and a blank cassette into Tape-B.
2. Press the TAPE FUNCTION switch.
3. Wind the tape on Tape-A to the beginning of the tape or a particular selection.
4. Press Tape-A CONT. PLAY/SYNCHRO DUB. button and then press the PLAY button.
5. Select the dubbing speed with the DUB. SPEED select switch.

#### HIGH:

For dubbing the whole tape at high speed (twice normal speed).

#### NOR.:

For dubbing with monitoring at normal speed.

6. Press Tape-B REC button. The CONT. PLAY/SYNCHRO DUB. button will be released and dubbing will start automatically.
  7. To stop the dubbing operation, press both STOP/EJECT buttons simultaneously.
- To dub other selections repeat steps 3 to 7 as described above.

#### Note:

If you press other FUNCTION switch during the dubbing operation, Tape-B will record the function selected.

### AUTOMATIC STOP IN DUBBING OPERATION

- a) When Tape-A tape is longer than Tape-B: After the automatic stop has been activated on Tape-B, Tape-A will continue to play back at normal speed.
- b) When Tape-B tape is longer than Tape-A: After the automatic stop has activated on Tape-A, Tape-B will be in the erasing mode.

## MAINTENANCE

### CLEANING THE STYLUS

From time to time, the stylus must be checked for dust particles etc. Cleaning is best carried out with a small very soft brush.

### STYLUS REPLACEMENT (Fig. 8)

After long period of use or when an inferior sound is obtained, the stylus assembly should be replaced with a new one (No. ST-W8J). To remove the stylus assembly, pull it downwards gently. To mount the new one, re-assemble in reverse order.

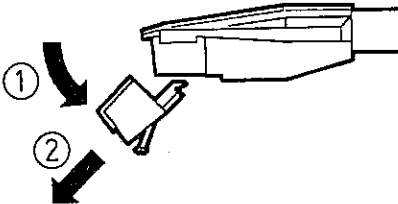


Fig. 8

### CLEANING THE HEADS (Fig. 9)

To ensure the continued high performance of your unit, periodically clean the heads and pinch rollers to prevent accumulation of dust or tape oxide deposits.

1. Open both cassette compartment lids by pressing both STOP/EJECT buttons.
2. Moisten a cotton bud (1) with head cleaner or methylated spirit and apply to the faces of heads (2 and 3), rub gently until all traces of dirt or oxide are removed.

Also clean the surfaces of the pinch rollers (4) and the capstans (5).

(TAPE A)(TAPE B)

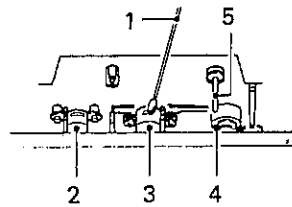


Fig. 9

### INSTALLING THE UNIT

Never place the unit near a source of extreme heat such as a radiator or direct sunlight or in a moist environment. Following this advice will safeguard the unit from damage. Placing the unit in a well ventilated area is strongly recommended.

### CLEANING THE UNIT

To retain the beauty of the control panel and cabinet, simply wipe with a soft, freshly laundered cloth moistened with plain lukewarm water.

### IF TROUBLE OCCURS .....

To avoid electric shock hazard or any accidents to yourself or the unit, have the unit bench tested by a SANYO dealer. Do not remove the unit from its cabinet to attempt a repair yourself.

## SPECIFICATIONS

### Tuner section

#### Frequency range:

FM: 87.5 - 108 MHz  
AM: 531 - 1602 kHz

### Turntable section

#### Drive system:

Belt drive

#### Stylus:

ST-W8J

### Cassette deck section

#### Recording system:

AC bias, 4-track stereo

#### Rewind and fast forward time:

Approx. 120 sec. (C-60)

#### Wow and flutter:

0.18% (WRMS)

### General

#### Output power:

10 W x 2 (at 8 ohms, 1 kHz, 1% distortion)

#### Inputs:

CD: 47k ohms (250 mV)

#### Outputs:

SPEAKERS: 8 ohms  
PHONES: 8 ohms

#### Power requirements:

AC: 240 V, 50 Hz

(For clock)

DC: 1.5 V, "AA/SUM-3/R6" size battery

#### Power consumption:

65 W

#### Dimensions (W x D x H):

Approx. 335 x 360 x 280 mm  
(13-1/4" x 14-1/4" x 11")

#### Weight:

Approx. 7 kg (15 lbs.)

### SX W8 SPEAKER SYSTEM

#### Type:

12 cm speaker, bassreflex type

#### Rated input power:

10 W

#### Impedance:

8 ohms

#### Dimensions (W x D x H):

Approx. 180 x 170 x 280 mm  
(7-1/8" x 6-3/4" x 11")

#### Weight:

Approx. 1.5 kg (3 lbs. 5 ozs.) x 2

Specifications subject to change without notice.

**SANYO**

SANYO Electric Co., Ltd.  
OSAKA, JAPAN