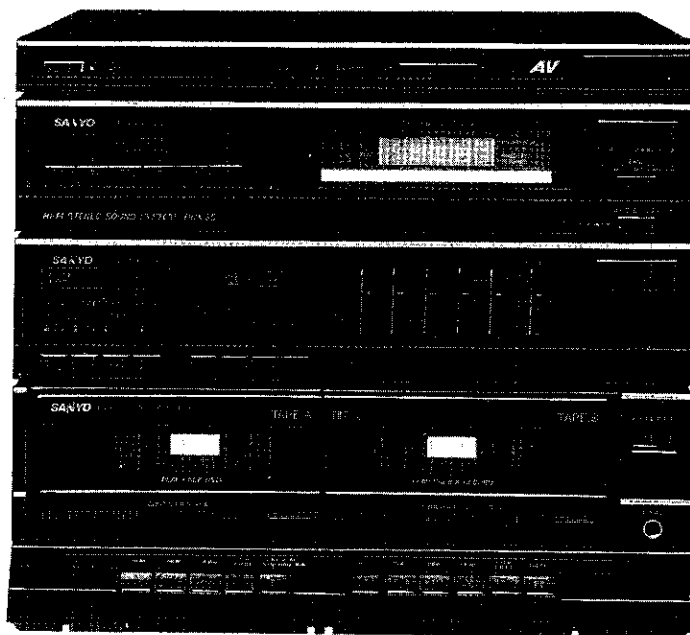


INSTRUCTION  
MANUAL

**SANYO**

# DCX 35

## HI-FI STEREO SOUND SYSTEM



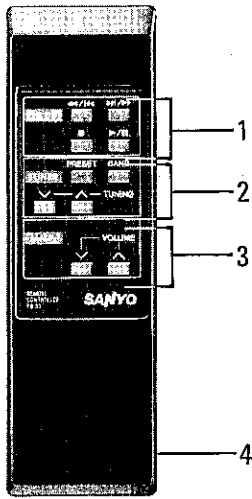


Fig. 6

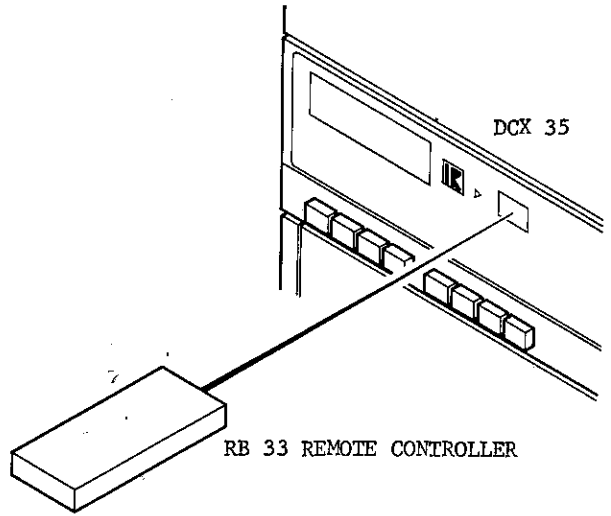


Fig. 7

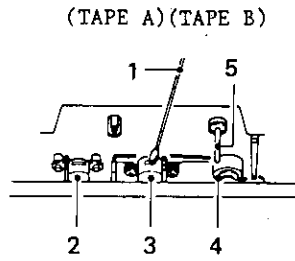


Fig. 8

## CONNECTIONS (Fig. 1)

### 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 ( $\Psi$ ) 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. 2. Adjust its angle for best reception (Fig. 3); 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.

### SPEAKER TERMINALS (SPEAKERS)

These terminals will accept speakers of 8 ohms minimum impedance. The speaker wires should be connected to the speaker terminals with the proper polarity. The red terminals are (+) positive and black terminals are (-) negative.

#### Note:

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.

### VIDEO EQUIPMENT INPUT SOCKETS (VIDEO)

Connection for a video equipment.

### COMPACT DISC PLAYER INPUT SOCKETS (CD)

Connection for the OUTPUT sockets of a compact disc player (SANYO CP 33, etc.).

### SYSTEM REMOTE SOCKET (FOR CD PLAYER)

Connect one end of the connection lead (supplied) to this socket and the other end to the SYSTEM REMOTE socket of the CP 33 CD player.

#### Note:

It is not necessary the supplied connection lead when other CD player is used. But, keep the connection lead for future use.

### TURNTABLE SOCKETS

Connect the output lead and connection lead of the TP 33 turntable to the INPUT JACK and CONNECTOR (including power) sockets of the unit respectively.

### 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. 4)

1. Preset channel indicator (PRESET CHANNEL)
2. FM mono indicator (FM MONO)
3. FM stereo indicator (FM STEREO)
4. CD/Video select switches (CD/VIDEO SELECTOR)
5. Auto tuning indicator (AUTO)
6. Digital frequency display
7. Radio band indicator (BAND SELECT)
8. Power switch and indicator (POWER)
9. Preset station and memory switches (PRESET STATION)
10. Infrared remote control sensor (IR)
11. Volume signal indicator (VOLUME SIGNAL)
12. Dubbing speed select switch (DUB. SPEED)
13. Tape select switches (TAPE SELECT)
14. Dolby NR switch (DOLBY NR)
15. Function switches

### TAPE A

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

### TAPE B

22. Cassette compartment lid
23. Record button (REC)
24. Play button (PLAY)
25. Rewind button (REW)
26. Fast forward button (FFWD)
27. Stop/Eject button (STOP/EJECT)
28. Pause button (PAUSE)
29. Headphone socket (PHONES)
30. Tape counter and reset button (TAPE COUNTER)
31. Graphic equalizer controls (GRAPHIC EQUALIZER)
32. Volume control (VOLUME)
33. Balance control (BALANCE)
34. FM mode/Tuning select switch (FM MODE/TUNING)
35. Band switch (BAND)
36. Tuning switches (TUNING)
37. External aerial terminals (EXT. ANT.)
38. Video equipment input sockets (VIDEO)
39. Compact disc player input sockets (CD)
40. System remote socket (FOR CD PLAYER)
41. Beat cancel switch (BEAT CANCEL)
42. Speaker terminals (SPEAKERS)
43. Loop aerial
44. Input jack socket (INPUT JACK)
45. Connector socket (CONNECTOR)
46. Mains lead

## RADIO RECEPTION

### AUTOMATIC OR MANUAL TUNING OPERATION

1. Turn on the power by pressing the POWER switch. The volume level will gradually increase to previous level.
2. Press the TUNER function switch. The last received station will be selected.
3. Select the desired radio band (FML, FM2 or AM) by pressing the BAND switch.
4. a. For automatic tuning, set the FM MODE/TUNING switch to FM ST/AUTO. The AUTO indicator will illuminate. Press either the UP or DOWN TUNING switch, the unit will now search until it finds a radio broadcast. Having done so it will stop on the best reception frequency. Press either the UP or DOWN TUNING switch again, for tuning the next broadcast station. The automatic tuning may not receive a distant station or weak-signal station.  
b. For manual tuning, set the FM MODE/TUNING switch to MONO/MAN. The AUTO indicator will go out. Select the frequency of a desired station by means of the TUNING switches. Press either the UP or DOWN switch continuously until you are close to the desired frequency and then briefly (and if required, repeatedly), press the appropriate switch until you have reached the desired frequency.
5. For receiving an FM stereo broadcast, set the FM MODE/TUNING switch to FM ST/AUTO. When an FM stereo broadcast is received, the FM STEREO indicator will illuminate. When a weak-signal FM broadcast is received in stereo, press the FM MODE/TUNING switch to MONO/MAN. to improve reception. The FM STEREO indicator will go out.
6. Adjust the VOLUME, BALANCE and GRAPHIC EQUALIZER controls to the desired sound level and sound equalization. The VOLUME SIGNAL indicator will illuminate, when the volume level is increased.

### TO PRESET STATIONS AND PRESET TUNING OPERATION

For presetting a station, the unit has an electronic memory circuit which is capable of memorizing up to 18 stations. (e.g. 6 FML, 6 FM2 and 6 AM stations).

1. Press the TUNER function switch.
2. Select the desired radio band.
3. Tune in the desired station.
4. Press and hold in the desired PRESET STATION switch until the flashing PRESET CHANNEL indicator is illuminated (more than 2 seconds). The radio broadcast is now preset.
5. To preset the other stations, follow the same procedure of steps 2 to 4.
6. Now, you can receive the desired FM or AM broadcast station quickly and accurately. Select the desired band, press and release the PRESET STATION switch in one touch (less than 2 sec.), and the preset station will be heard.

#### Note:

Once you have preset the desired stations. And even if the unit is turned off, the station memories will remain. But if the unit is turned off for more than one week, the memory will clear.

## Graphic equalizer controls (GRAPHIC EQUALIZER)

By means of five independent frequency (100Hz/400Hz/1kHz/4kHz/12kHz) controls, you can get your favourite sound shape flexibly. Flat response is obtained by setting the controls to the centre positions.

## COMPACT DISC/VIDEO EQUIPMENT PLAY

1. Press the CD/VIDEO function switch.
2. Select the CD or VIDEO with the CD/VIDEO SELECTOR switches.
3. Adjust the VOLUME, BALANCE and GRAPHIC EQUALIZER controls to the desired sound level and sound equalization.

During tuner operation, if interference occurs, turn off the POWER switch of the compact disc player.

## RECORD PLAY

1. Press the PHONO 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. 5) (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 cassette 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.

#### 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.

#### CAUTION:

While playing or recording, do not press the FFWD or REW button of the other tape mechanism, as it may result in inferior sound quality.

#### 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. (Select the CD or VIDEO with the CD/VIDEO SELECTOR switches if required.)
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 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 recording 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 to the copied tape.

### 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).

#### NORMAL:

For dubbing with monitoring at normal speed.

6. Press Tape-B REC button. Tape-A 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.

### 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.

#### Note:

Do not change the dubbing speed during the dubbing operation.

## RB 33 REMOTE CONTROLLER

Before operating with the remote controller, it is recommended that you read the instruction manual of each component.

### CONTROLS AND THEIR FUNCTIONS (Fig. 6)

1. Compact disc player function buttons (CD)

#### Note:

Only for use with the SANYO CP 33 CD player.

Skip/Search buttons (◀◀/◀, ▶/▶▶)

Stop button (■)

Play/Pause button (▶||)

2. Tuner function buttons (TUNER)  
Preset button (PRESET)  
For preset tuning operation.  
Band button (BAND)  
Tuning buttons (TUNING)  
^ = UP, v = DOWN
3. Amplifier function buttons (AMP)  
Volume buttons (VOLUME)  
Adjusts the volume level.  
^ = increased, v = decreased
4. Battery compartment lid (back of the unit)

### INSERTING BATTERIES

1. Open the battery compartment lid by pressing the knob.
2. Install 2 "AA/SUM-3/R6" size batteries into the battery compartment matching the polarity as shown in the battery compartment.
3. Close the battery compartment lid.

#### Note:

Always remove batteries if the remote controller is not going to be used for a month or more. Batteries left in the unit may leak and cause damage.

### OPERATION

By using the remote controller, you can operate the components from 7 m away in the same way as with the controls on the front panel of the components (Fig. 7).

## MAINTENANCE

### CLEANING THE HEADS (Fig. 8)

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).

### 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.

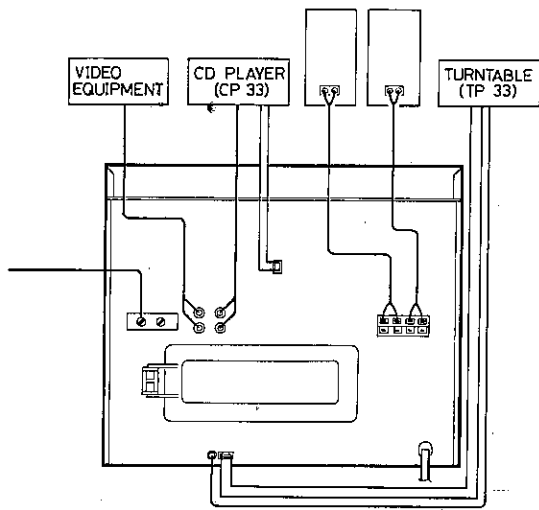


Fig. 1

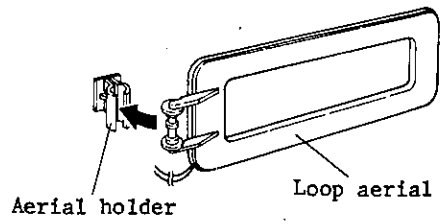


Fig. 2

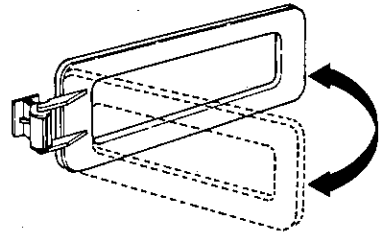


Fig. 3

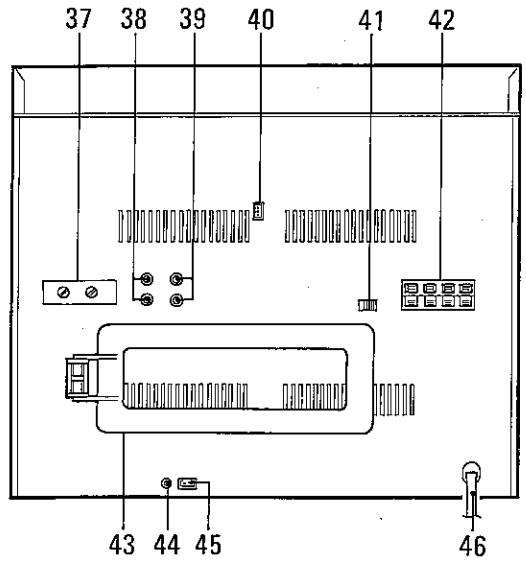
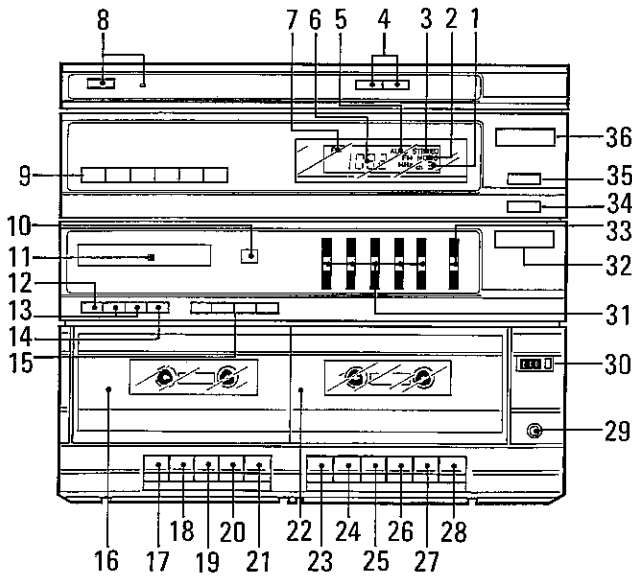


Fig. 4

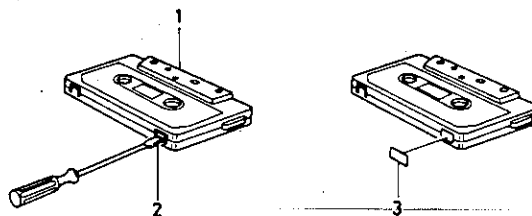


Fig. 5

## SPECIFICATIONS

### Tuner section

#### Frequency range:

FM: 87.5 - 108 MHz

AM: 531 - 1602 kHz

### Cassette deck section

#### Recording system:

AC bias, 4-track stereo

#### Rewind and fast forward time:

Approx. 115 sec. (C-60)

#### Wow and flutter:

0.2% (WRMS)

### General

#### Output power:

30 W (RMS) x 2 (at 8 ohms, 10% THD)

#### Inputs:

CD: 47k ohms (250 mV)

VIDEO: 47k ohms (250 mV)

#### Outputs:

SPEAKERS: 8 ohms

PHONES: 8 ohms

#### Power requirements:

AC: 240 V, 50 Hz

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

Approx. 335 x 360 x 292 mm

### RB 33 REMOTE CONTROLLER

#### Power requirements:

DC: 3 V, "AA/SUM-3/R6" battery x 2

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

Approx. 160 x 50 x 18 mm

Specifications subject to change without notice.

# SANYO

SANYO Electric Co., Ltd.