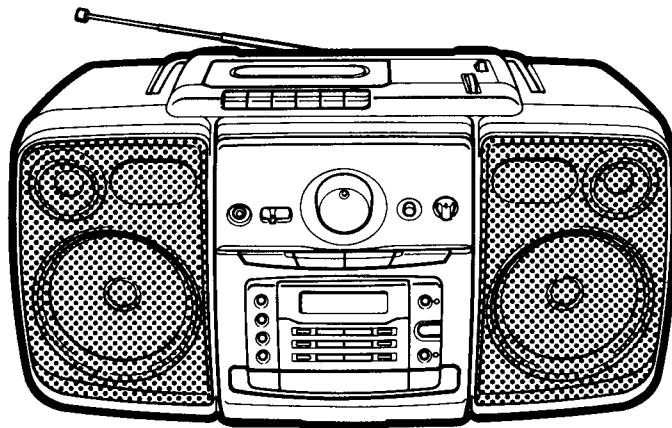


SANYO

INSTRUCTION MANUAL

MCH-900F

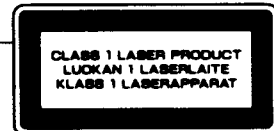
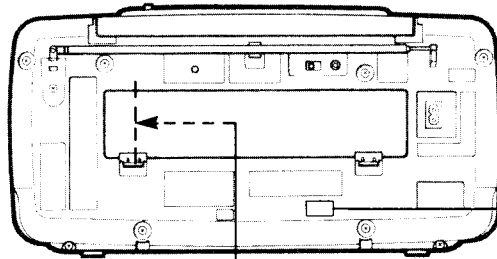
**CD Portable FM Stereo/AM
Cassette Recorder**




CAUTION

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED IN THE OPERATING INSTRUCTIONS MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

THE COMPACT DISC PLAYER SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT PROPERLY QUALIFIED PERSONNEL.



CAUTION - INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.
ADVARSEL - USYNLIG LASER STRÅLING VED ÅBNING, NÅR SIKKERHEDSafbrydere er ude af funktion. Undgå udsættelse for stråling.
VARNING - OSYNLIG LASER STRÅLNING NÅR DENNA DEL ÅR ÖPPNAD OCH SPÄRR ÅR URKOPPLAD. STRÅLEN ÅR FARLIG.
VORSICHT - UNSICHTBARE LASERSTRAHLUNG TRITT AUS, WENN DECKEL GEÖFFNET UND WENN SICHERHEITSVERRIEGELUNG ÜBERBRÜCKT IST. NICHT, DEM STRAHL AUSSETZEN.
VARO! Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen.



FOR SAFE AND EFFICIENT OPERATION

- The apparatus shall not be exposed to dripping or splashing.
- Do not damage the mains lead.
- When not in use, disconnect the mains lead from the outlet. Grasp the plug, not the cord, when disconnecting the unit.
- If water should enter the unit, electrical shock or a malfunction may result. Use in an area where there is low humidity and little dust.
- Do not disassemble or alter the unit in any way.
- Do not use the unit in areas where extremes in temperature occur (below 5°C or exceeding 35°C), or where it may be exposed to direct sunlight.
- Because of the CD player's extremely low noise and wide dynamic range, there is a tendency to turn the volume on the amplifier higher than necessary. Doing so may produce an excessively high output from the amplifier which can cause damage to your speakers. Please be careful in this regard.
- Sudden changes in the surrounding temperature can cause dew to form on the optical pickup lens inside the unit. Under this condition the unit may be unable to operate properly. If this should occur, remove the disc and allow the player to adjust to the surrounding temperature:

Important Notes:

- 1) When positioning the unit for use, be sure to place it on a flat surface so that it does not tilt.
- 2) When carrying the unit from one location to another ...
 - When moving the unit a short distance, such as from room to room, turn the power off and wait at least 10 seconds for the CD changer mechanism to reset.
 - Lift the unit by the handle and be sure to keep the unit in a horizontal position.
- 3) When transporting the unit ...
 - Remove all the discs from the unit. Carrying the unit around with discs inside can cause damage to the discs and may cause the unit to malfunction.
 - Press the POWER button to turn off the power and wait at least 10 seconds for the CD changer mechanism to reset before carrying the unit.

WHAT TO DO IF ...

If "CH Err" appears on the display.

1. Press the POWER button to turn the power off.
2. Press the POWER button to turn the power on.

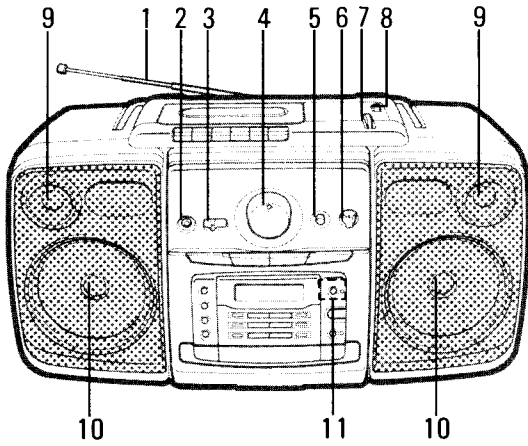
If the operation of the unit or display is not normal, even though the appropriate buttons have been pressed.

1. Disconnect the AC mains lead and remove the batteries (if applicable).
2. Press the RESET button (rear of the unit) for at least 20 seconds. (See Page 5.)
3. Connect the AC mains lead and install the batteries (if applicable).
4. Press the desired function button.

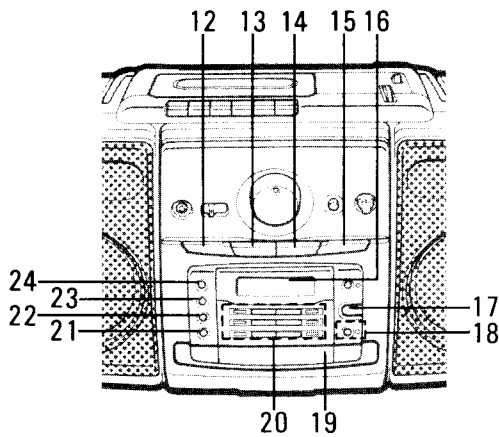
NOTE:

If the unit does not operate correctly, or "CH Err" appears again, please contact your nearest Sanyo Authorized Service Center.

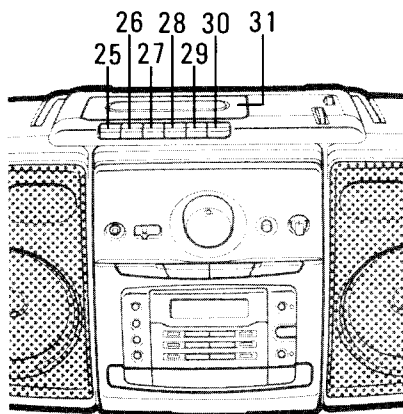
CONTROLS



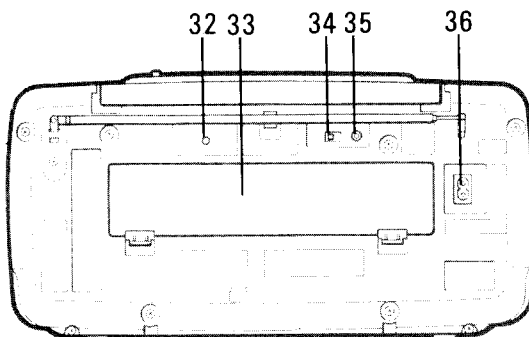
1. Telescoping aerial
2. Stereo headphone socket (PHONES)
3. Function switch (FUNCTION, CD/RADIO/TAPE)
4. Volume control (VOLUME)
5. Bass expander switch (BASS XPANDER)
6. Tone control (TONE)
7. Tuning control (TUNING)
8. Band switch (BAND, AM/FM)
9. Tweeter
10. Woofer
11. Power button and indicator (POWER)



12. Skip/Search button (◀◀)
13. Play/Pause button (▶/||)
14. Stop/Clear button (■)
15. Skip/Search button (▶▶)
16. Display (CD DISPLAY)
17. Disc tray open /close button (OPEN/CLOSE)
18. Disc check button and indicator (DISC CHECK)
19. Disc tray
20. Disc select buttons and indicators (DISC SELECTOR)
21. Repeat play button (REPEAT)
22. Memory button (MEMORY)
23. Random play button (RANDOM)
24. Intro scan button (INTRO)



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

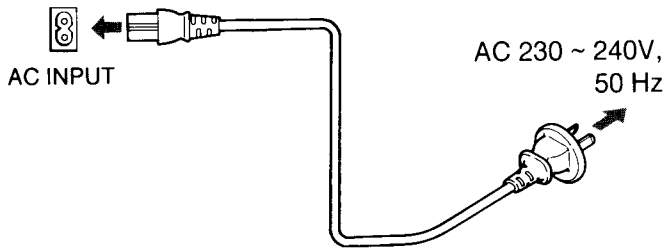


32. Reset button (RESET)
33. Battery compartment lid
34. Beat cancel switch (BEAT CANCEL)
35. External microphone input socket (MIC)
36. AC input socket (AC INPUT)

POWER SUPPLY

AC power operation

Connect one end of the AC mains lead to the AC INPUT socket and the other end to a 230 ~ 240V AC, 50 Hz outlet.

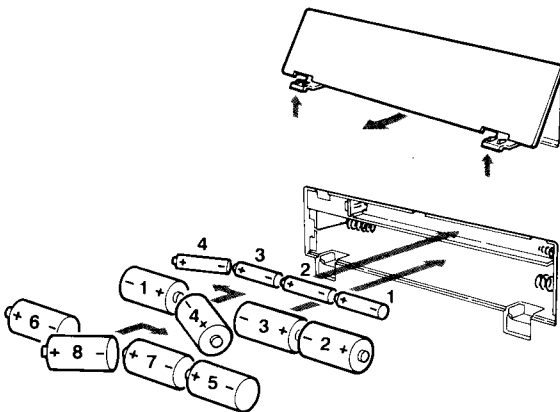


NOTE:

- When the AC mains lead is connected to the unit, the installed batteries will be automatically disconnected.
- The POWER button is mounted on the secondary side. The unit is not disconnected from AC power, even switched off.

Battery power operation

1. Open the battery compartment lid by pushing up on the tabs.
2. Install 8 "D" size and 4 "AA/HP7/R6" size batteries. Refer to the polarity diagram on the back of the battery compartment lid. Match the (+) and (-) marks on the diagram to the (+) and (-) marks on the batteries.
3. Replace the lid.



IMPORTANT NOTE:

CD memory backup

4 "AA/HP7/R6" batteries are necessary to retain the number of discs loaded, the program contents and the repeat setting in memory when the power is disconnected.

CAUTION

WHEN INSTALLING THE BATTERIES

To prevent leakage from the batteries, which is corrosive and can cause personal injury and damage to the unit, observe the following precautions:

1. The batteries must be installed correctly. Match the polarities (+ and - signs) on the batteries, to the polarities shown on the back of the unit.
2. Do not mix new batteries with old or used batteries.
3. Only use batteries of the same type and brand.
4. If the unit will not be used for an extended period of time, remove the batteries and store them in a cool place.
5. Carefully follow the battery manufacturer's instructions for proper use and disposal.
6. **DO NOT ALLOW YOUNG CHILDREN TO HANDLE BATTERIES.**

NOTE:

When the batteries have become discharged, they must be disposed of in a safe manner that complies with all applicable laws.

GENERAL OPERATION

Power button (POWER)

Press the POWER button to turn the power on.

- The power indicator will light.



Press it again to turn the power off.

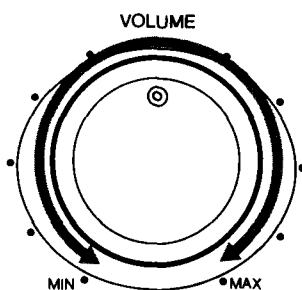
- The power indicator will go off.

NOTE:

When the power is turned on or off, the CD changer takes approximately 10 seconds to reset. Do not disconnect the AC lead or remove the batteries until this operation is completed.

Volume control (VOLUME)

Turn the VOLUME control clockwise to increase the volume. Turn it counterclockwise to decrease the volume.



Bass expander switch (BASS XPANDER)

Press the BASS XPANDER switch (button IN) to increase the low-frequency sound at all listening levels. Press the switch again (button OUT) to return the frequency response to normal.

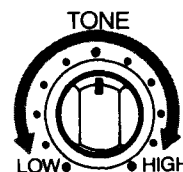


Tone control (TONE)

Use the Tone control to emphasize or de-emphasize the high-frequency response.

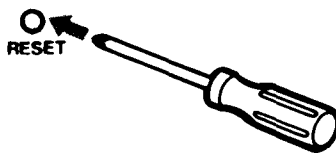
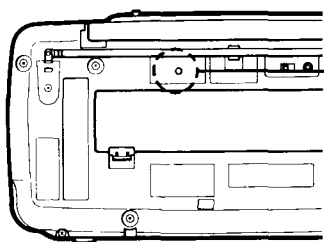
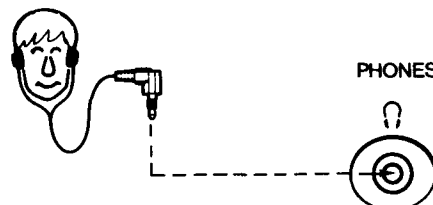
To emphasize the high frequencies, turn the control to the right (HIGH).

To de-emphasize the high frequencies, turn the control to the left (LOW).



Stereo headphone socket (PHONES)

Insert the miniplug from a pair of headphones (not supplied) into the headphone socket. When headphones are plugged in, the speakers are automatically disconnected.



WHAT TO DO IF ...

If the operation of the unit or display is not normal, disconnect the mains lead from the AC outlet and remove the batteries (if applicable), then press the RESET button (back of the unit) for at least 20 seconds.

COMPACT DISC PREPARATIONS

This unit is designed to play compact discs bearing the identification logo below. Discs that do not carry this logo may not conform to the CD standard and may not play properly.

This unit can be used to play 12 cm discs only.



- **Do not attempt to load a 8 cm disc with or without a snap-on adaptor. Doing so may cause damage to the disc and CD changer.**
- Fingerprints and dust should be carefully wiped off the signal surface of the disc (glossy side) with a soft cloth. Wipe in a straight motion from the centre to the outside of the disc.
- Never use chemicals such as record cleaning sprays, antistatic sprays or fluids, benzene or thinner to clean compact discs.
These chemicals will permanently damage the plastic surface of the disc.
- Always place the compact disc in the disc tray with the label facing upward. Compact discs can be played on only one side.
- To remove a disc from its storage case, press down on the centre of the case and lift the disc out. Holding it carefully by the edges.
- Discs should be returned to their cases after use to protect them to from dust and scratches.
- To prevent warping the disc, do not expose it to direct sunlight, high humidity or high temperatures for extended periods of time.
- Do not apply paper or write anything on either side of the compact disc. Sharp writing instruments, or the inks used in some felt-tip pens, may damage the surface of the disc.

Important Notes:

- 1) When positioning the unit for use, be sure to place it on a flat surface so that it does not tilt.
- 2) When carrying the unit from one location to another ...
 - When moving the unit a short distance, such as from room to room, turn the power off and wait at least 10 seconds for the CD changer mechanism to reset.
 - Lift the unit by the handle and be sure to keep the unit in a horizontal position.
- 3) When transporting the unit ...
 - Remove all the discs from the unit.
Carrying the unit around with discs inside can cause damage to the discs and may cause the unit to malfunction.
 - Press the POWER button to turn off the power and wait at least 10 seconds for the CD changer mechanism to reset before carrying the unit.

IMPORTANT INFORMATION

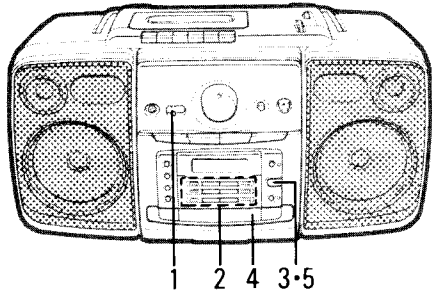
Sanyo compact disc changers have built-in error compensation circuits to correct for minor manufacturing defects in a disc. There are limits, however, to the amount of correction possible.

In some cases, the CD changer may skip some tracks on a disc during play. This problem may be caused by defects (such as scratches) in the disc being played, which are too large for the error compensation circuits to handle. If you encounter this problem, check the operation of the CD changer as follows, before having the unit serviced.

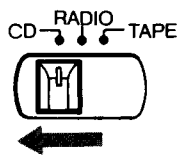
Play a new disc. If the CD changer operates normally, the skipping problem is most likely due to a defective disc.

CD PLAY

LOADING DISCS

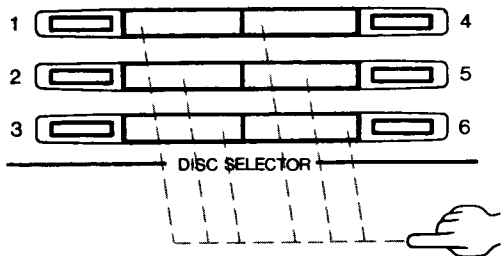


1. Set the FUNCTION switch to CD.



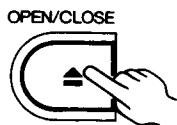
2. Press the DISC SELECTOR buttons to select the disc number.

- "NO DISC" appears on the display.



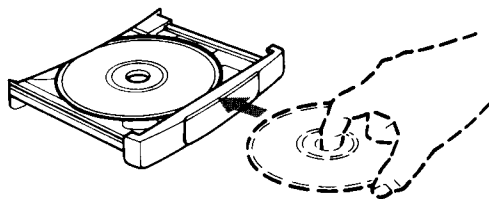
3. Press the OPEN/CLOSE button.

- The disc tray slides out.
- "OPEN" appears on the display.



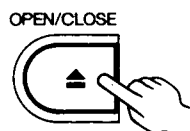
4. Place the disc with the label facing up on the disc tray.

- **Do not place 8 cm discs on the disc tray.**
- **Place only 12 cm discs.**



5. Press the OPEN/CLOSE button again to retract the disc tray.

- After the reading contents of the disc, the disc indicator which is selected lights.

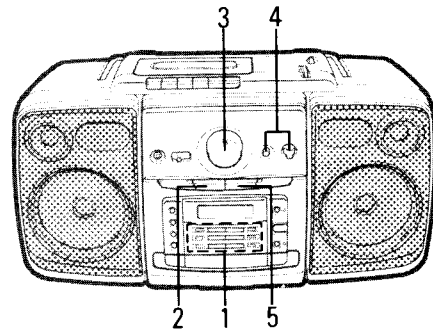


6. To load another disc, repeat steps 2-5.

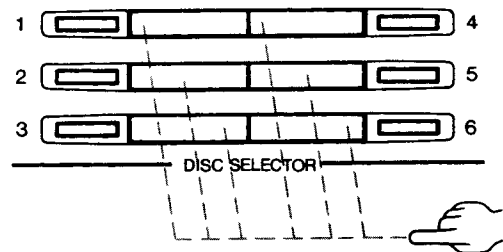
NOTE:

- Do not put anything except a 12 cm disc on the tray.
- Do not touch the disc tray while it is moving.

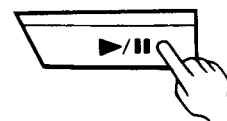
BASIC CD PLAY



1. Press the DISC SELECTOR buttons to select the disc to be played first.



2. Press the ►/II button. "►" appears on the display and play starts from the first track.



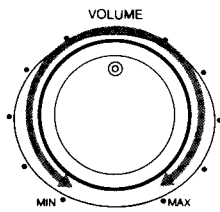
The following information is displayed.

- The current disc number
- The current track number
- Elapsed time for the current track.

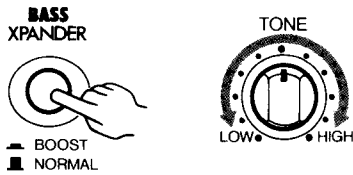
NOTE:

If the disc is scratched or loaded upside down, "Cd Err" appears on the display, and then the disc tray slides out.

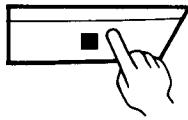
3. Adjust the VOLUME control as desired.



4. Select the BASS XPANDER and TONE settings as desired.



5. Press the ■ button at any time to stop disc play.



Ejecting discs

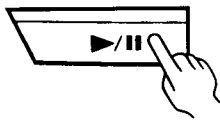
1. Press the ■ button.
2. Press the DISC SELECTOR buttons to select the disc to be ejected.
3. Press the OPEN/CLOSE button.
Example: "3 OPEN" appears on the display.
4. Remove the disc.

NOTE:

If no disc is loaded on the disc tray, "NO DISC" appears on the display.

Temporarily stopping play

When the ►/|| button is pressed during play, "|| PAUSE" appears on the display and play is temporarily stopped. To resume play, press the ►/|| button again.



Skip play

Press the ◀◀ or ▶▶ button to quickly find the beginning of the next track or return to the beginning of the track that is playing.



- To skip to track 6 while track 3 is playing, press the ▶▶ button repeatedly until "6" appears in the TRACK section of the display.
- To skip back to track 3 while track 6 is playing, press the ◀◀ button repeatedly until "3" appears in the TRACK section of the display.

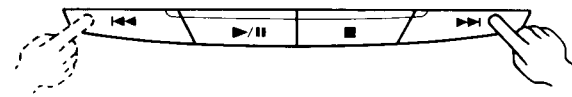
NOTES:

- When the skip function is used in the pause mode, the CD changer will skip to the start of the track, then pause.
- When the skip function is used in the program mode, the CD changer will skip tracks in the order they were programmed.

Search (Forward/Reverse)

If the ◀◀ or ▶▶ button is pressed during play, the CD changer will search at high speed in the forward or reverse direction.

When the button is released, normal play will continue.



- While the ◀◀ or ▶▶ button is pressed, the sound will be reduced in volume.
- If the ◀◀ or ▶▶ button is pressed in the pause mode, pause will resume when the button is released.

Introsan

Press the INTRO button to play approximately the first 10 seconds of each track of each disc. "INTRO" appears on the display.



- Press the INTRO button again to return to normal play.
- If the INTRO button is pressed during normal play, introsan will start with the next track on the disc.
- If the ■ button or OPEN/CLOSE button is pressed, the intro mode will be canceled.

Random play

Press the RANDOM button to start random play. The CD changer will automatically select and play discs and tracks at random. "RANDOM" appears on the display.



- Press the RANDOM button after the disc indicator stops blinking.
- Each time the RANDOM button is pressed during random play, the CD changer will select next random disc and track.
- If the ■, OPEN/CLOSE, ◀◀ or ▶▶ button are pressed, random play is canceled.

NOTE:

During random play, the CD changer might play a selection twice, but it will not play the same selection two times in a row.

Disc check

Press the DISC CHECK button during the stop mode to play approximately the first 10 seconds of the first track of each disc.

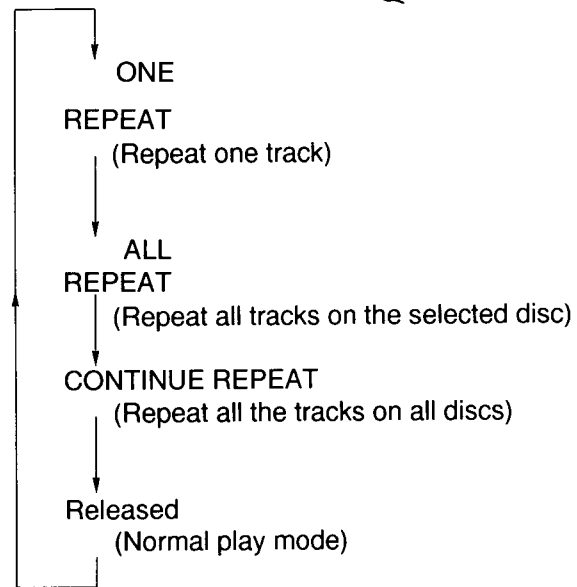
When the DISC CHECK button is pressed, the DISC CHECK indicator will light and "d-CH" appears on the display.



- Press the ▶▶ button to skip to the next disc. Each time the button is pressed, the CD changer will skip to the next disc.
- Press the DISC CHECK button again to return to normal play. The DISC CHECK indicator will go off.
- Press the ▶▶ button to skip to the next disc during the disc check mode.
- If the ■ button or OPEN/CLOSE button is pressed, the disc check mode will be canceled. The DISC CHECK indicator will go off.

Repeat play function

This unit has three different repeat modes. Press the REPEAT button repeatedly to select the desired mode in the following sequence. The selected repeat mode is shown on the display.



NOTES:

- During programmed play, only "REPEAT ONE" and "REPEAT ALL" can be selected.
- If the ■ or OPEN/CLOSE button is pressed, the repeat mode is canceled.
- The CD changer remains in the repeat mode when the POWER is turned off and on again.

Direct track selection

Play can be started immediately from the desired track on any disc, using the controls on the front panel.

While a disc is being played, it is possible to switch immediately to a particular track on the disc.

First select the disc to be played by pressing the DISC SELECTOR button, then press ◀◀ or ▶▶ button to select the desired track to be played. To begin play, press the ▶/|| button.

- If a track number higher than the last track on the disc is selected, the last track will be played.
- Direct track selection is not possible in the program play mode.

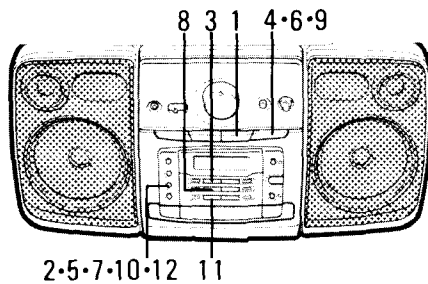
PROGRAMMED PLAY

Up to 32 selections, from up to 6 discs, can be programmed for play in any order.

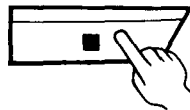
- The same track or disc can be programmed more than once.
- **Load the discs that you want to program before starting programmed play.**

Programming procedure

Follow the example below to program tracks 2 and 6 on DISC 1, track 9 on DISC 2 and all tracks on DISC 3. In this example, each disc has 9 tracks and DISC 3 is selected.

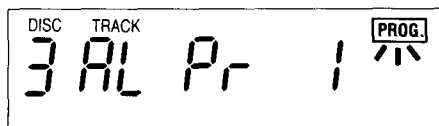


1. Press the button.

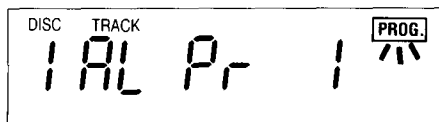
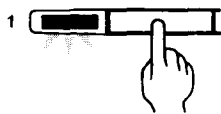


2. Press the MEMORY button.

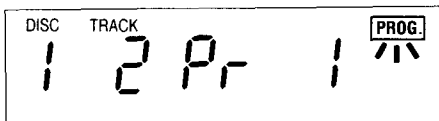
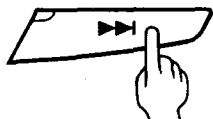
"PROG." blinks in the display.



3. Press the disc 1 button.

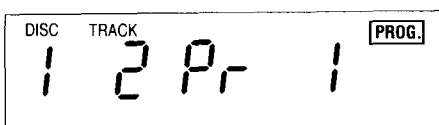


4. Select track 2 by pressing the button.



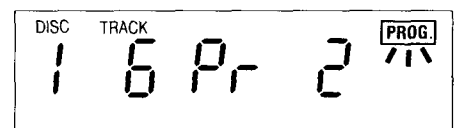
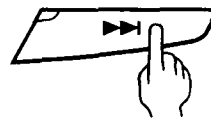
5. Press the MEMORY button.

"PROG." remains lit.



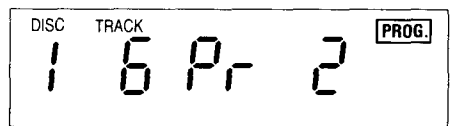
6. Select track 6 by pressing the button.

"PROG." blinks.



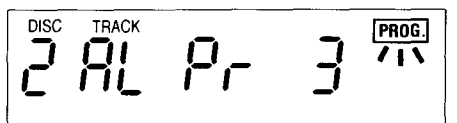
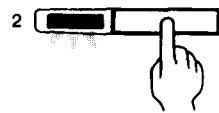
7. Press the MEMORY button.

"PROG." remains lit.

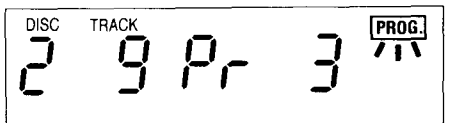
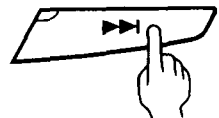


8. Press the disc 2 button.

"PROG." blinks.

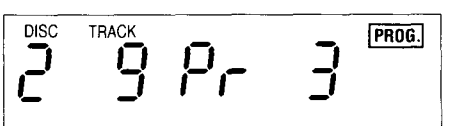


9. Select track 9 by pressing the button.



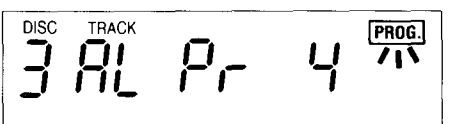
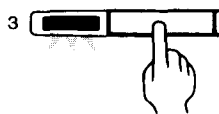
10. Press the MEMORY button.

"PROG." remains lit.



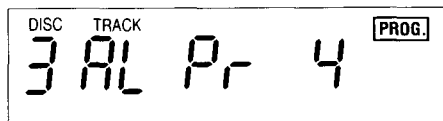
11. Press the disc 3 button.

"PROG." blinks.



12. Press the MEMORY button.

"PROG." remains lit.



- The maximum number of selections that can be programmed is 32. If you try to enter more selections, "FULL" will appear on the display.

Checking the program

1. While in the stop mode, press the MEMORY button. The disc, track and program numbers will appear on the display. Press the MEMORY button again to view the disc, track and program numbers for the other programmed selections.
 - These displays do not appear during programmed play.
2. Press the ►/II button to start play. When all programmed selections have played, the CD changer stops automatically.
 - The program contents are retained in memory.

NOTE:

The program is cleared in the following cases:

- When the OPEN/CLOSE button is pressed.
- When the STOP/CLEAR button is pressed in the stop mode.
- When the mains lead has been disconnected and the backup batteries are discharged or not installed.

Changing a program

To add a new selection to a program:

1. In the stop mode, press the MEMORY button repeatedly until the following display appears:
" _ _ _ _ "
2. Select a disc and track number as explained above.

Note:

If you program a track on the disc that was programmed last, press the ◀◀ or ▶▶ button to select the track. The disc number will be selected automatically.

To change a selection

1. Press the MEMORY button repeatedly until the selection to be replaced is displayed.
2. Select a disc and track number as explained above.

WHAT TO DO IF ...

If "CH Err" appears on the display.

1. Press the POWER button to turn the power off.
2. Press the POWER button to turn the power on.

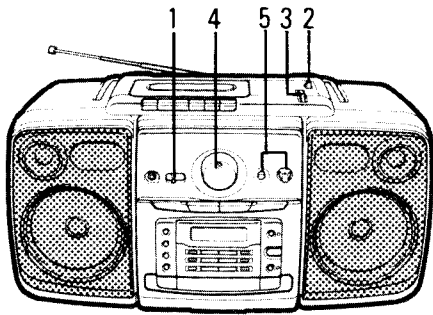
If the operation of the unit or display is not normal, even though the appropriate buttons have been pressed.

1. Disconnect the AC mains lead and remove the batteries (if applicable).
2. Press the RESET button (rear of the unit) for at least 20 seconds. (See Page 5.)
3. Connect the AC mains lead and install the batteries (if applicable).
4. Press the desired function button.

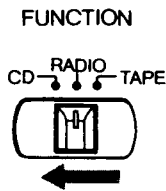
NOTE:

If the unit does not operate correctly, or "CH Err" appears again, please contact your nearest Sanyo Authorized Service Center.

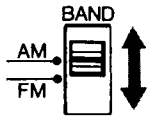
LISTENING TO THE RADIO



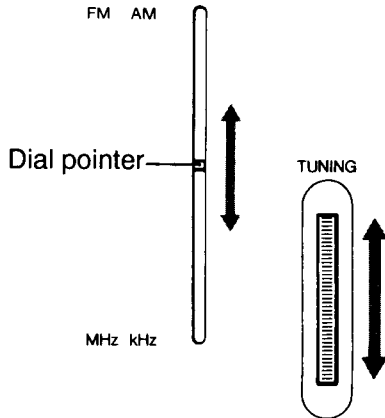
1. Set the FUNCTION switch to RADIO.
- "TUNE" appears on the display.



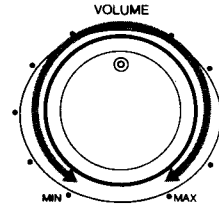
2. Select AM or FM.



3. Tune in a desired station by turning the TUNING control.



4. Adjust the VOLUME control as desired.



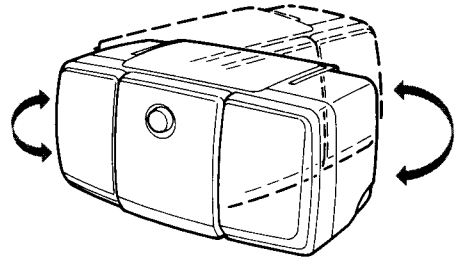
5. Select the BASS XPANDER and TONE settings as desired.



Aerial

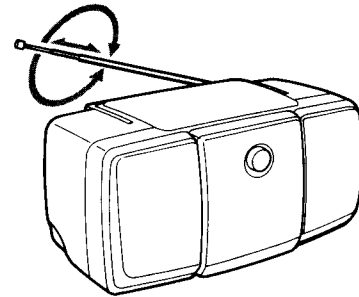
AM reception:

The built-in AM aerial is directional. For weak AM broadcasts, rotate the unit until the best possible reception is obtained.



FM reception:

Pull out the telescopic FM aerial. Adjust its position to obtain the best reception possible.



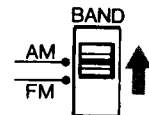
NOTE:

The unit will automatically switch to stereo when an FM stereo broadcast is received.

Band switch (BAND)

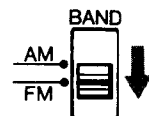
AM:

To receive AM broadcasts.



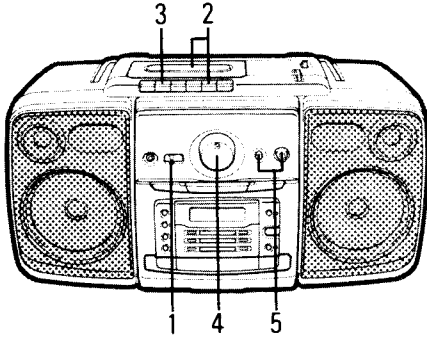
FM:

To receive FM broadcasts.

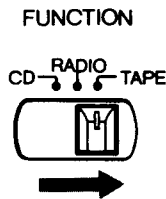


LISTENING TO TAPES

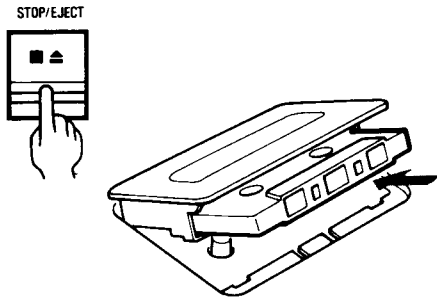
PLAYBACK



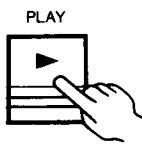
1. Set the FUNCTION switch to TAPE.
- "TAPE" appears on the display.



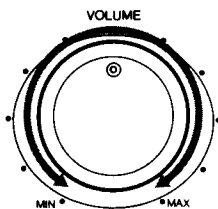
2. Press the STOP/EJECT button and insert a cassette into the cassette lid with the tape side facing out. Close the cassette lid.



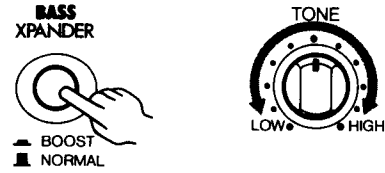
3. Press the PLAY button.



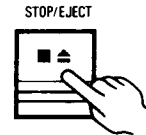
4. Adjust the VOLUME control as desired.



5. Select the BASS XPANDER and TONE settings as desired.



6. Press the STOP/EJECT button to stop playback at any time. When the end of the tape is reached, the tape will stop automatically.



Pause

Press the PAUSE button to temporarily stop the tape during playback or recording. Press it again to continue.

Fast Forward and Rewind

Press the FFWD or REW button to quickly wind the tape forward or backward. Press the STOP/EJECT button to stop the tape.

When the end of the tape is reached, the tape will stop, and the FFWD or REW button will be released automatically.

Full automatic stop

This unit has a full-release stop system, to protect the tape and prevent pinch roller damage. When the end of the tape is reached in Playback, Recording, Fast forward or Rewind, the tape mechanism will stop automatically.

HELPFUL HINTS

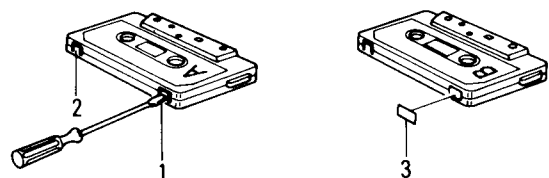
Safeguards against accidental erasure

Whenever a recording is made, the sound previously recorded is automatically erased. To protect valuable recordings from accidental erasure, the unit and cassette are equipped with standard safety features. To keep recorded material permanently, break out the tab(s) on the back of the cassette with a screwdriver.

To protect side A, break out tab(1). To protect side B, break out tab(2).

NOTE:

A cassette with the erase guard tabs removed cannot be erased or used for recording and the REC button cannot be depressed. To record or erase a protected cassette, cover the tab openings with adhesive tape (3).



RECORDING

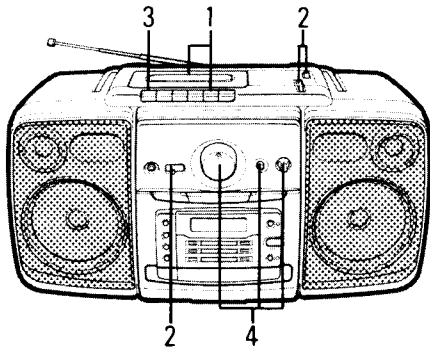
WARNING

Recording copyright material without permission of the copyright owners is usually an infringement. If you wish to re-record copyright material, permission from the copyright owner is necessary. SANYO does not approve of, and cannot be held responsible for, any unlawful use of this machine.

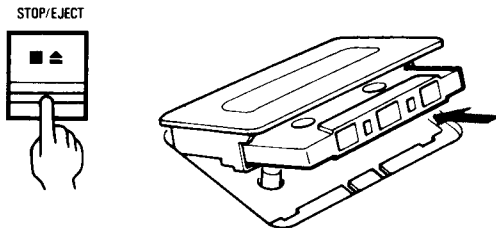
Automatic Level Control (ALC) recording

The ALC circuit adjusts the recording input level automatically. No adjustments are required.

RECORDING FROM THE BUILT-IN RADIO

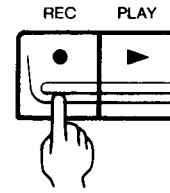


1. Press the STOP/EJECT button and insert a cassette into the cassette lid with the tape side facing out. Close the cassette lid.

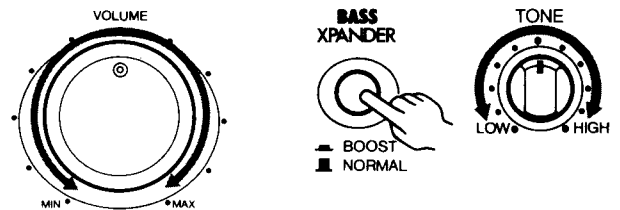


2. Tune in a program as described in the "LISTENING TO THE RADIO" section.

3. Press the REC button. The PLAY button will lock down at the same time.



4. During recording, the sound can be monitored through the speakers. The VOLUME, BASS XPANDER and TONE settings will not affect the recording. Adjust them as desired.

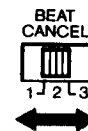


5. Press the STOP/EJECT button to stop recording at any time. When the end of the tape is reached, the tape will stop automatically.



Beat cancel switch (BEAT CANCEL)

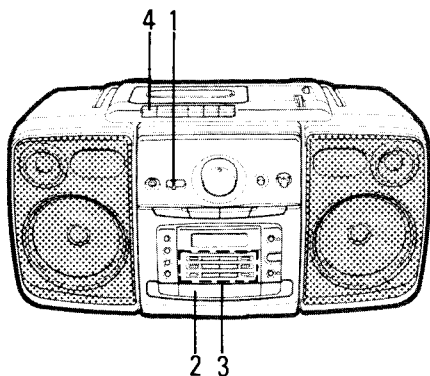
When recording a radio program, an irritating "whistling" sound may sometimes be heard. If this occurs, select position 1, 2, or 3. Leave the switch in the position that gives the best results.



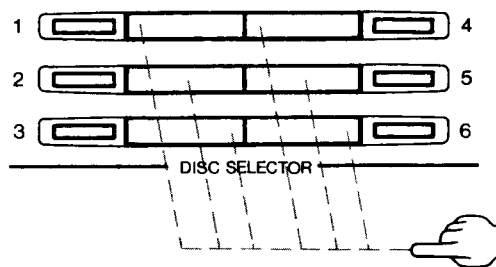
RECORDING FROM A COMPACT DISC

Synchronous recording (CD-to-TAPE SYNCHRO RECORDING)

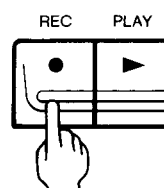
This recording system starts disc play and cassette recording at the same time.



3. Press the DISC SELECTOR buttons to select the disc to be recorded.
 - For programmed recording, this step is unnecessary.



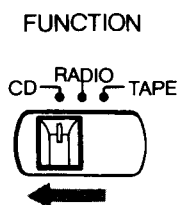
4. Press the REC button. The PLAY button will lock down at the same time. Recording begins automatically.



5. Press the STOP/EJECT button to stop recording at any time. When the end of the tape is reached, the CD changer and deck will stop at the same time.



- For programmed recording, program the material in advance (as described under "PROGRAMMED PLAY").
1. Set the FUNCTION switch to CD.



2. Load a disc into the CD changer as described under "Loading discs".

MIC-MIXING

It is possible to mix microphone input (microphone not supplied), with the sound from the radio, tape or CD.

Mixing playback

1. Connect the microphone to the MIC socket.
2. Turn on the power so that the microphone is live.
3. Select the desired music source with the FUNCTION switch.
4. Adjust the overall volume of the microphone and the mixing source using the VOLUME control. (The microphone level cannot be adjusted separately.)

Mixing recording

1. Perform the steps for mixing playback.
2. Load a cassette for recording into the cassette compartment lid.
3. Set the deck to record.

MAINTENANCE

Cleaning the unit

Clean the outside of the unit with a clean soft cloth, moistened with lukewarm water and wrung dry. Do not use solvents such as benzene or thinner. These will permanently damage the units finish.

Cleaning the tape heads

When dust or reddish-brown oxide builds up on the tape deck heads, pinch roller and capstan, the following problems may result:

- Poor sound quality during playback

- Distorted, poor quality recordings

- Erratic tape speed during recording or playback

To ensure playback and recording with good-quality sound, use a cleaning tape (available from your local audio dealer) to clean the head block of the deck after about every 10 hours of use.

If trouble occurs....

To avoid the hazard of electric shock and damage to the unit, have the unit bench tested by an authorized SANYO service station. Do not remove the unit from its cabinet to attempt repairs yourself.

SPECIFICATIONS

(CASSETTE SECTION)

Recording system: AC bias, 4-track stereo
Erasing system: Magnet erase
Tape speed: 4.75 cm/sec.
Fast forward and rewind time: 110 sec. (C-60 tape)
Frequency response: 80 ~ 12,000 Hz (Normal tape)

(CD SECTION)

Channels: 2 channels
S/N ratio: 70 dB
Wow & Flutter: undetectable
Sampling frequency: 44.1 kHz
Quantization: 16 bits linear/ch
Pick up light source: Semi-conductor laser
Pick up wave length: 790 nm
Laser output: Continuous wave max. 0.6 mW

(RADIO SECTION)

Tuning ranges: AM: 525 ~ 1,710 kHz
FM: 88 ~ 108 MHz
Aerials: Built-in ferrite bar and telescopic rod aerial

(GENERAL)

Output power: 4.0 W x 2 (DC max.)
Speaker: 12 cm x 2, 4 ohms
PIEZO x 2
Terminal inpedance: PHONES: 32 ohms
MIC: 200 ~ 600 ohms/mV
Power source: AC: 230 ~ 240 V, 50 Hz
DC: 12 V (8 "D" size batteries)
Memory back-up: DC: 6V (4 "AA/HP7/R6" size batteries)
Dimensions: 460 x 220 x 245 mm (W x H x D)
Weight (approx.): 4.8 kg without batteries

Specifications subject to change without notice.

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(AU)

SANYO

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