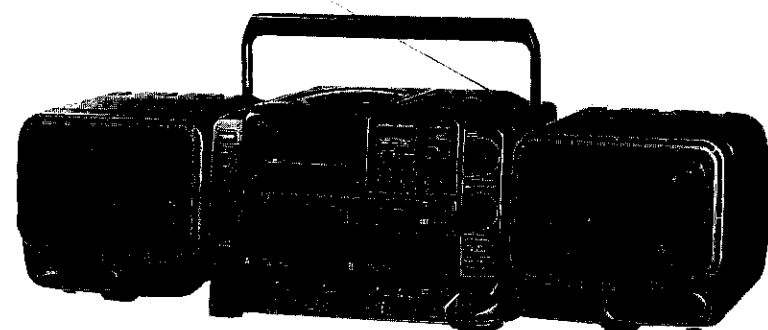


INSTRUCTION
MANUAL

SANYO

MCD-Z300F

**PORTABLE
COMPONENT
SYSTEM
WITH CD PLAYER**



ENGLISH

◀ See the folding page for the names of controls and locations.

CONTROLS

Rear panel section

1. FM External Antenna Jacks
2. COMPUTER/CLOCK Battery Compartment
3. SURROUND SPKR (Speaker) Jacks (Left/Right)
4. SPEAKER Jacks (Left/Right)
5. BEAT CANCEL Switch
6. CD OUT Jacks (Left/Right)
7. LINE IN Jacks (Left/Right)
8. AC INPUT Jack
9. Voltage Selector
10. FM Select Switch

General section

1. Display
2. REMOTE Control Window (Infrared sensor)
3. VOLUME Control and Indicator
4. BALANCE Control
5. BASS CONTROL and Indicator
6. GRAPHIC EQUALIZER Controls
7. PHONES Jack
8. BASS Button
9. FUNCTION Buttons and Indicators
 - LINE Button
 - CD Button
 - TUNER Button
 - TAPE Button
10. POWER Button

CD (Compact Disc) player section

1. PLAY/PAUSE Button
2. STOP/CLEAR Button
3. SKIP/SEARCH Button
4. Numeric Buttons (1 ~ 10 and +10)
5. CPSS (CD Peak Search System) Button
6. REPEAT Button
7. PROGRAM Button
8. EDIT Button
9. CD Compartment Lid

General tape decks (A/B) section

1. Tape A EJECT Button
2. Tape A NORMAL and HIGH SPEED DUBBING Buttons and Indicator
3. Tape A Cassette Compartment
4. SOUND EFFECT SYSTEM Switch
5. DOLBY NR (Noise Reduction) Switch
6. Reverse Mode Switch
7. TAPE A/B Select Switch and Indicators
8. FWD (Forward) Button and Indicator
9. STOP Button
10. REV (Reverse) Button and Indicator
11. Tape B Cassette Compartment
12. AMSS (Automatic Music Select System) and Rewind and Fast Forward Buttons
13. Tape B EJECT Button
14. REC(Record)/REC PAUSE Button

Tuner and Timer section

1. TUNING Control (UP/DOWN) Buttons
2. FM STEREO Indicator
3. FM MODE Switch
4. FM Button
5. AM Button
6. AUTO MEMORY Button
7. PROGRAM Button
8. Preset (1 ~ 10) Buttons
9. REPEAT (AUTO PRESET) Button
10. EDIT (AUTO PRESET) Button
11. TIMER REC Switch
12. TIMER Button
13. DISPLAY Button
14. TIME (ADJUST and UP) Buttons
15. SLEEP Button

DOLBY NR (DD)

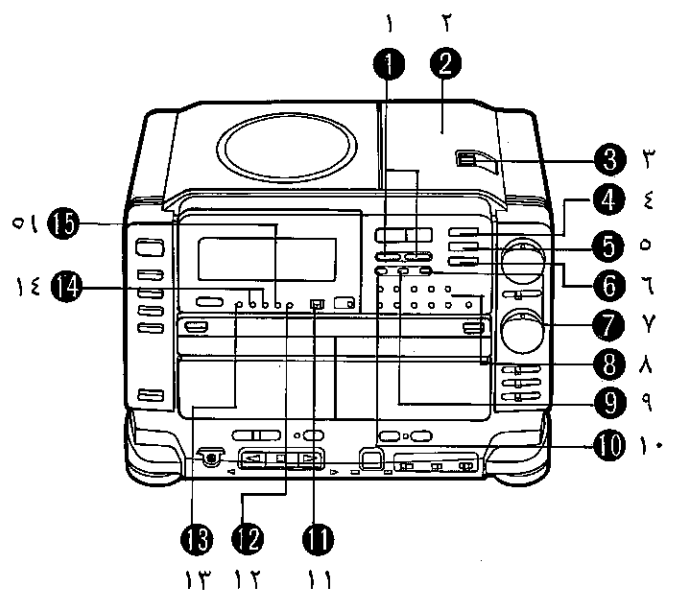
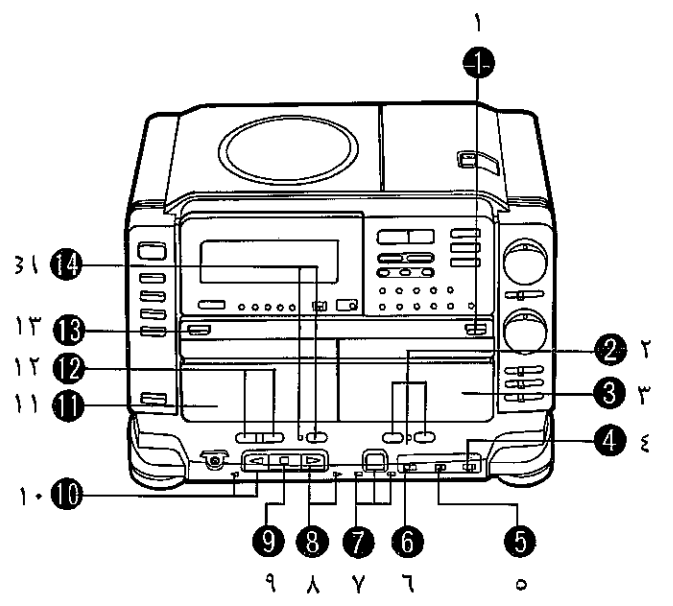
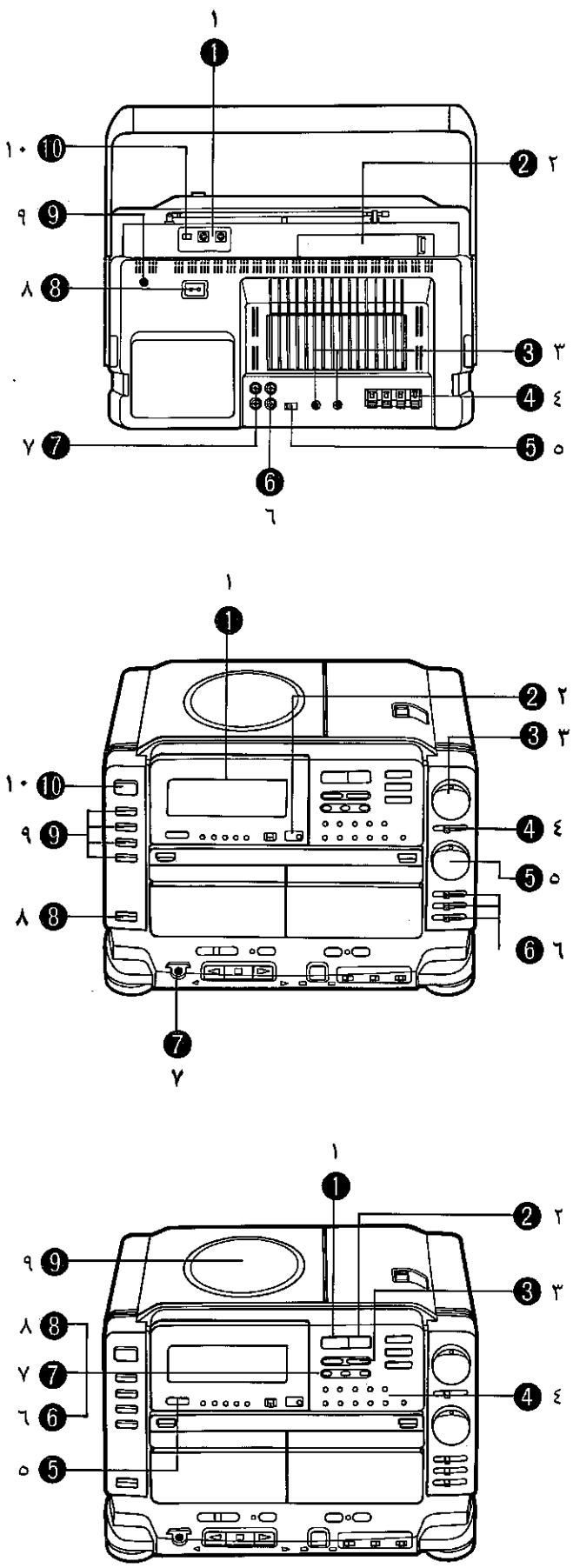
Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol DD are trademarks of the Dolby Laboratories Licensing Corporation.

COPYRIGHT WARNING

Recording copyrighted material for other than private purposes without the permission of the copyright owner is usually illegal. If you wish to rerecord copyrighted material, permission from the copyright owner is usually necessary. Sanyo does not approve of, and cannot be held responsible for, any unlawful use of this product.

CAUTION

The POWER button of this unit is connected to the secondary circuit and does not disconnect the unit from the AC power source even if the button is in the ϕ position, as long as the AC cord is connected to the AC line.



SAFETY CERTIFICATION

CAUTION

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. THIS UNIT SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT QUALIFIED SERVICE PERSONNEL.

PRECAUTIONS FOR THE CD PLAYER

- Be sure your hands are clean when handling discs. Never insert a disc which has a crack on its surface.
- Never take hold of the opened disc compartment lid to move the unit.
- To keep the pickup clean, do not forget to close the disc compartment lid.
- Do not touch the pickup with your fingers or any other object. Dirt and scratches on the pickup lens surface may lead to trouble, such as interruptions in sound, or unit malfunction.

DEW FORMATION

Water drops appear on the windows of a warm room in cold winter days. This phenomenon is called dew formation. This unit is equipped with an optical pickup lens, and dew may appear on its surface in a similar manner under the following conditions.

- Immediately after turning room heating on.
- In rooms where steam is being produced, or with a high humidity level.
- When the unit is quickly moved from a cold room to a warm one.
- When the unit is moved indoors from a cold climate.

In these cases the unit may be unable to read the disc contents and operate normally. Remove the disc, and place the unit in a warm location. Normal operation may be resumed after about 1 hour. (If dew forms on the disc surface, wipe it off with a soft cloth.)

INTERRUPTIONS IN PLAYBACK

The following conditions will interrupt the sound during playback:

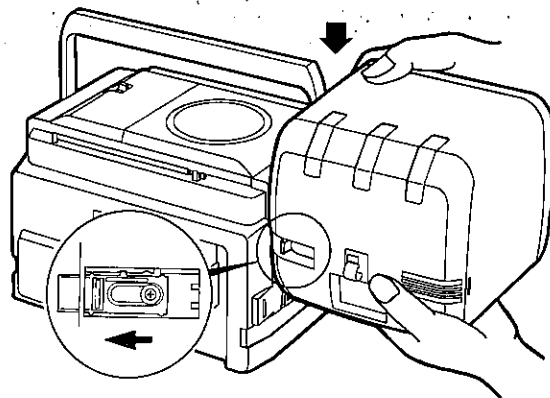
- Using a scratched, dirty or warped disc.
- If the unit suffers strong physical shocks, sometimes playback will stop and it will be impossible to continue normal operation. In this case, switch off the power and restart from the beginning. (Do not drop the unit.)
- Placing the unit on a thin board, or another location easily affected by vibration.
- Interruptions of playback may also be caused by the disc contents. In this case, just lower the volume level.

PREPARATION FOR USE

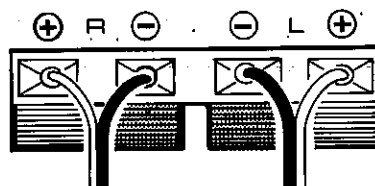
CONNECTING THE SPEAKERS

NOTE: Before connecting, switch off the power by pressing the POWER button. All indicators go out.

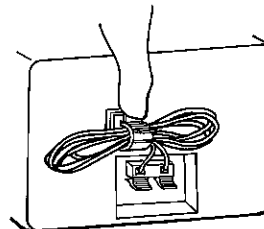
1. Raise the handle and align the grooves in the speakers with the rails on the base unit. Then lower the speakers straight down onto the rails.
2. Slide the Lock/Release lever on the back of each speaker all the way toward the base unit as shown to lock the speakers in place.



3. Be sure to match the color of the speaker wire with the color of the speaker terminals on both the speaker box and the base unit. Press and hold down the tab on a speaker terminal as shown below. Insert the speaker wire into the terminal and release the tab.



4. Speaker cord band: Press the tab and pull on the band as shown to open it. Wind up the extra speaker cord and fasten it inside the band.



REMOVING THE SPEAKERS

1. Disconnect the speaker wires from the terminals on the base unit.
2. Slide the Lock/Release lever on the back of each speaker away from the base unit to unlock the speakers.
3. Raise the handle and lift each speaker straight up.

VOLTAGE ADJUSTMENT

This unit is factory-adjusted to "230V" but may be reset to 115V. Before operating this unit, set the Voltage Selector located on the back of the unit using a flat screwdriver to correspond as closely as possible to your local voltage.

115V	110V ~ 127V areas
230V	220V ~ 240V areas

AC POWER CORD CONNECTION

Plug one end of the AC power cord into the AC INPUT jack on the back of the unit and then plug the other end into an AC wall outlet.

CLOCK BATTERY INSTALLATION

Open the Clock battery compartment lid by pressing the latch and install 3 AA size batteries as shown on the back of the unit. Batteries prevent losing the time and information in the preset memory in case a power failure should occur or the AC power cord is disconnected. Battery life is about 1 year. When replacing the batteries, leave the power cord plugged in.

SETTING THE CLOCK TIME

1. Press the ADJUST button.
2. Press the UP button to adjust the hour.
3. Press the ADJUST button.
4. Press the UP button to adjust the minute.
5. Press the ADJUST button. Now the clock will start keeping the time.

BASIC OPERATION

1. Press the POWER button to ON.
2. Turn down the VOLUME control first.
3. Select the desired program source.
Press the TAPE, TUNER, CD or LINE button.
4. CD play: Press the PLAY/PAUSE button.
Tape play: Press the FWD or REV button.
Radio: Press a Preset button (1 ~ 10).
5. Adjust the VOLUME control.
6. Adjust the BALANCE and GRAPHIC EQUALIZER controls.
7. Adjust the BASS CONTROL.
8. To increase the bass effect, press the BASS button to ON.

SOUND EFFECT SYSTEM SWITCH

When listening to a CD, the radio, or an external source, select the position to obtain the most appropriate play-back or recording sound. The sound effect system has no effect during Tape playback.

When recording:

- Position 1 GENERAL
Position 2 HEADPHONE
Position 3 CAR USE

When playing back:

- Position 1 CLASSIC
Position 2 POPS
Position 3 ROCK

LEVEL METER INDICATORS

The LEVEL METER indicators will show the signal level of a broadcast program, or a recorded tape. The VOLUME control will not affect these indicators.

AUTO FUNCTION

In the following cases, the function is switched instantly:

- Pressing the AM or FM button to listen to the radio or pressing the PLAY/PAUSE button to listen to a CD.
- Pressing the remote control's AM or FM button, pressing the PLAY button for tape play or pressing the LINE button to listen to an external source.
- Pressing the DISPLAY button to show the clock time when the TUNER or CD mode is engaged.
- The CD stops when the function is changed, but the tape does not stop. Press the STOP button to stop the tape.

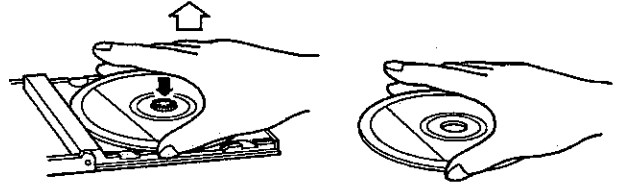
CD OPERATION

HANDLING COMPACT DISCS

This unit has been designed to play compact discs bearing the identification logo shown below. No other discs can be played.



- 1) To remove a disc from its storage case, press down on the center of the case and lift the disc out, holding it carefully by the edge.



- 2) Fingerprints and dust should be carefully wiped off the disc's recorded surface with a soft cloth. Unlike conventional records, compact discs have no grooves to collect dust and microscopic debris so gently wiping with a soft cloth should remove most particles. Wipe in a straight motion from the inside to the outside of the disc. Small dust particles and light stains will have absolutely no effect on reproduction quality.
- 3) Never use such chemicals as record sprays, anti-static sprays, benzine or thinner to clean compact discs. Such chemicals would irreparably damage the disc's plastic coating.
- 4) Discs should be returned to their cases after use to avoid serious scratches that could cause the laser pickup to skip.
- 5) Do not expose discs to direct sunlight, high humidity, or high temperatures for extended periods. Long exposure to high temperatures can warp the disc.
- 6) Do not stick paper or write anything with a ballpoint pen on either side of the compact disc.

LOADING A DISC

1. Set back the carrying handle behind the unit.
2. Press on the uneven part on the compact disc compartment lid
3. Hold the disc by the edges and place it carefully in the disc compartment with the label side facing upward. Then close the lid.

CD PLAY

NORMAL PLAY

1. Press the POWER button to ON.
2. Press the CD button. The CD indicator will light.
3. All program numbers and the total playing time will be shown in the display.
4. If more than 12 tracks are present on the disc, ► will be shown in the display.
5. Press the PLAY/PAUSE button. The display will show PLAY, the track number and elapsed playing time for the track that is playing.
6. Set the VOLUME control to a comfortable listening level. Adjust the BASS switch, BALANCE control and GRAPHIC EQUALIZER controls as desired.
7. To stop disc play temporarily, press the PLAY/PAUSE button. The PLAY indicator will blink. To resume disc play, press the PLAY/PAUSE button again.
8. To stop disc play completely, press the STOP/CLEAR button.
9. After the whole disc has been played, the disc will stop and the unit will enter the standby mode.
10. Press the POWER button to switch off the power.

SELECTING TRACK NUMBERS

1. Select and press a Preset button (1 ~ 10). If the desired program number exceeds 10, press the +10 button and then a Preset button (1 ~ 10).
2. Press the PLAY/PAUSE button. Now the selected program will be played.
The SKIP/SEARCH buttons can also be used to select programs.

SKIP PLAY

1. During play, press a Preset button (1 ~ 10).
2. The track you selected will start playing.

REPEAT PLAY OF ALL THE TRACKS

1. Press the REPEAT button. The display will show REPEAT.
2. Press the PLAY/PAUSE button.
3. All of the tracks on the disc will be repeated until the STOP/CLEAR button is pressed.
4. To stop repeat play, press the REPEAT button again.

REPEAT PLAY OF ALL PROGRAMMED TRACKS

1. Enter a program (see PROGRAMMED PLAY).
2. Press the REPEAT button. The display will show REPEAT.
3. Press the PLAY/PAUSE button. All of the programmed tracks will be played until the STOP/CLEAR button is pressed.

SKIP AND SEARCH

During play, press the SKIP/SEARCH button and hold it until the desired location is found. Release the SKIP/SEARCH button.

PROGRAMMED PLAY

Up to 30 tracks can be programmed for disc play in any order.

1. Press the PROGRAM button. The display will show PROGRAM.
2. Press a Preset button to select the desired track.
3. Press the PROGRAM button.
4. Repeat steps 2-3 until the desired tracks have been programmed.
5. When finished programming, press the PROGRAM button. The track numbers you programmed will be shown in the display.
6. Press the PLAY/PAUSE button. Programmed play will start.

NOTES: The programs will be cancelled in the following situations:

- In the stop mode, when the STOP/CLEAR button is pressed.
- In the play mode, when the STOP/CLEAR button is pressed twice.
- When the disc lid is opened or the POWER button is released, or the power cord is disconnected.

TO CHANGE THE PROGRAM

1. Replacing a track
 - 1) Press the PROGRAM button and call up the track number you want to change.
 - 2) Press a Preset button to replace the previous number with a new one.
 - 3) Press the PROGRAM button.
2. Addition to the last program
 - 1) Press the PROGRAM button to show the display "---".
 - 2) Press a Preset button to enter the next program.
 - 3) Press the PROGRAM button.

RADIO OPERATION

FM MODE SWITCH

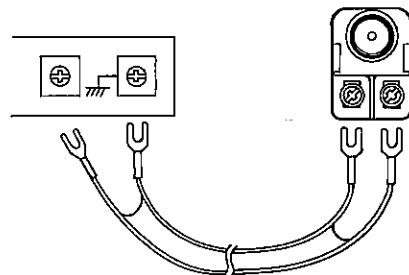
STEREO: For listening to FM broadcasts in stereo.

MONO: For better reception of distant or noisy FM stereo broadcasts. Reception may be improved, but the program will not be heard in stereo.

NOTE: If it is hard to receive FM broadcasts, connect an optional external antenna into the EXT ANT or FM terminal on the back panel.

ANTENNA ADAPTOR

Connect the end of the antenna connecting cord (supplied) into the EXT ANT and FM terminals on the back of the unit and the other end of the cord into the antenna adaptor's (supplied) terminal. Then connect the antenna adaptor into the FM terminal on the wall outlet.



RADIO RECEPTION

1. Press the POWER button to ON.
2. Press the AM or FM button.
3. Turn up the VOLUME control to make tuning easier.
4. Tune in a station, by pressing the TUNING (UP or DOWN) button until you get a clear, strong signal.
AM — Rotate the unit to obtain the best reception possible. The built-in antenna is directional and will usually provide good reception.
FM — Extend the telescoping antenna to its full length and adjust its position to obtain the best reception possible.
5. To switch off the radio, press the POWER button.

9kHz/10kHz AM SELECTION

If correct AM tuning is not possible for many station frequencies (in the United States, Guam, Taiwan), first disconnect the AC plug from the AC wall outlet. Then keep pressing the AM button and plug the AC power cord to an AC wall outlet. The unit is automatically set to the 10kHz mode.

PRESET TUNING

Up to 10 stations for each band (AM and FM) can be preset (stored in the unit's station memory); a total of 20 stations. The preset station can then be quickly tuned in by pressing the corresponding Preset button (1 ~ 10).

AUTO PRESETTING OF STATIONS

Starting from the lowest frequency station, up to 10 stations can be preset automatically.

1. Press the POWER button to ON.
2. Press the AM or FM button.
3. Press the PROGRAM button first and then AUTO MEMORY button.
NOTE: If the PROGRAM indicator disappears, press the PROGRAM button again.
4. Repeat steps 2-3 for the other band.

NOTE: If auto presetting does not operate properly due to excessive noise, preset stations using the TUNING (UP or DOWN) button.

MANUAL PRESETTING OF STATIONS

1. Press the POWER button to ON.
2. Press the AM or FM button.
3. Press the TUNING (UP or DOWN) button to select the desired station.
4. Press the PROGRAM button.
5. Press the desired Preset button (1 ~ 10).
NOTE: If the PROGRAM indicator disappears, press the PROGRAM button again.
6. Repeat steps 2-5 for other stations.

TUNING IN A PRESET STATION

1. Press the POWER button to ON.
2. Press the AM or FM button.
3. Press the Preset button that was used to preset the station (see MANUAL PRESETTING OF STATIONS, step 5).

TAPE PLAYBACK

INSERTING THE CASSETTE(S)

1. Press one of the EJECT buttons. Press it again if any of the other buttons have been pressed.
2. Insert a cassette correctly with the full reel on the left (as seen through the window), the side to be played or recorded facing you, and the exposed tape facing down.

NOTE: Do not use C-120 or endless cassette tapes.

TAPE DECK "A" PLAYBACK

TAPE DECK "B" RECORD/PLAYBACK

REVERSE SWITCH

↔ (One-way mode):

During playback, when the end of the tape is reached (forward or reverse side), the tape will stop.

↶ (One-cycle mode):

During playback, starting with the tape's forward side, each side of the tape is played back once. When the end of the reverse side is reached, the tape will stop.

↻ (Continuous-play mode):

Playback will continue (forward and reverse sides) until the STOP button is pressed.

AUTO TAPE SELECTOR

When the tape is inserted, this unit automatically selects the type of tape being used: Normal, CrO₂ or Metal.

NOTE: Do not use Metal tape for recording.

AUTO REVERSE PLAYBACK

1. Press the POWER button to ON.
2. Insert a prerecorded cassette into the cassette compartment.
3. DOLBY NR button:
ON — To play back tapes recorded with DOLBY Noise Reduction.
OFF — To play back tapes recorded without DOLBY Noise Reduction.
4. Set the Reverse switch to the ↶ (One-cycle) or ↻ (Continuous-play) position.
5. Press the TAPE button to select deck A or deck B. Either TAPE indicator (A or B) lights up.
6. Press the FWD or REV button.
When the FWD button is pressed, tape play begins on the forward side of the tape.
When the REV button is pressed, tape play begins on the reverse side of the tape.
7. To stop playback, press the STOP button. Release the POWER button to switch off the power.

MANUAL REVERSE PLAYBACK

During playback, to change the tape direction at any time, press the FWD or REV button.

USING FAST-FORWARD AND REWIND

First press the STOP button to stop playback. Press either of the AMSS buttons. The tape will rapidly advance in the forward or reverse direction. When the tape reaches its end, the button will be released automatically.

AMSS (Automatic Music Select System)

The AMSS automatically locates program selections on a tape that is playing back in deck A, by detecting the silent spaces (unrecorded portions) between the selections. The silent spaces must be at least four seconds long to activate the AMSS. The AMSS may not operate properly in the following cases:

- When the silent spaces between selections are too short.
- When there is high level noise has been recorded between selections.
- When music with extremely quiet passages is being played.
- When a tape with conversations containing long pauses is being played.


Forward Tape Direction

- A. To rapidly advance the tape to the next recorded section during playback:
- 1) Press the FWD button.
 - 2) Press the right AMSS button.
- B. To listen to the same recorded section again during playback:
- 1) Press the FWD button.
 - 2) Press the left AMSS button.

Reverse Tape Direction




- A. To rapidly advance the tape to the next recorded section during playback:
- 1) Press the REV button.
 - 2) Press the left AMSS button.
- B. To listen to the same recorded section again during playback:
- 1) Press the REV button.
 - 2) Press the right AMSS button.

RELAY PLAYBACK (DECK A/DECK B)

1. Press the POWER button to ON.
2. Insert a tape to be played into each cassette compartment (deck A and deck B).
3. Set the Reverse switch to  (One-cycle).
4. Press the FWD or REV button. The tape last inserted starts first and both tapes will be played back alternately until the STOP button is pressed.

RECORDING

PREPARATION FOR RECORDING

- Programs are recorded at the factory-set recording level. The units' controls will not affect the recordings.
 - Do not record on Metal tape.
 - The DOLBY NR button and SOUND EFFECT SYSTEM switch will not affect the recording during dubbing.
 - When a dubbing button is pressed, recording will start in the forward direction.
1. Press the EJECT button to open the cassette compartment lid.
 2. Insert a cassette tape into deck B.
 3. Set the DOLBY NR switch to ON or OFF.
ON - To record with DOLBY Noise Reduction.
OFF - To record without DOLBY Noise Reduction.
 4. Set the SOUND EFFECT SYSTEM switch to GENERAL, HEADPHONE or CAR USE.
GENERAL - Normal recording.
HEADPHONE - For headphone use tape.
CAR USE - For car stereo use tape.
 5. Set the Reverse switch to:
 (One-way mode)
During recording, when the end of the tape is reached (forward or reverse side), the tape will stop.
 (One-cycle mode) or  (Continuous-play mode)
During recording, starting with the tape's forward side, each side of the tape is recorded once. When the end of the reverse side is reached, the tape will stop.

CPSS (CD Peak Search System)

The best recording level is automatically set by scanning all tracks on the disc. To obtain the best recording from CD, we recommend that you use the CPSS button. After pressing the CPSS button, the disc is scanned at high speed until the last track ends and the proper recording level is determined by the unit. Then the recording will start automatically.

CD PROGRAMMED EDIT RECORDING

A 5-second silent portion (unrecorded space) will be created in between the programs. If a program cannot be completely recorded on the forward side of the tape, that program will be recorded on the reverse side. The silent portion will be made before the forward side ends.

1. Press the CD button.
2. Insert a CD into the CD compartment.
3. Press the EDIT button more than two times to show the length of tape such as C-46, C-60, C-90. The tape length changes each time the button is pressed.
If you wish to enter the tape length manually, press either of the SKIP/SEARCH buttons. (C-10 ~ C-99 are available.)
4. Program the CD. See PROGRAMMED PLAY.
NOTE: If the program cannot be recorded into the reverse side of the tape, the display shows "--:--".
5. Press the REC/REC PAUSE button. The REC/REC/PAUSE indicator lights. The REV and FWD indicators will blink.
6. Press the CPSS button. The FWD indicator lights and the tape starts recording CD.

CD BACK SKIP EDIT RECORDING

When the tape is reversed during recording, the track that is playing will be recorded again from the beginning on the reverse side of the tape.

1. Insert a CD into the CD compartment.
2. Press the CD button.
3. Press the EDIT button to show EDIT in the display.
4. Press the REC/REC PAUSE button.
5. Press the CPSS button.

CD NORMAL RECORDING

1. Insert a CD into the CD compartment.
2. Press the CD button.
3. Press the REC/REC PAUSE button.
4. Press the CPSS button.

RECORDING RADIO PROGRAMS

1. Press the POWER button to ON.
2. Press the TAPE button.
3. Insert the tape to be recorded into the deck B cassette compartment.
4. Select a radio band with the AM or FM button.
5. Tune in the desired station with the Preset buttons (1 ~ 10) or TUNING (UP or DOWN) button.
6. Press the REC/REC PAUSE button.
7. Press the FWD button. Now you are recording. If you wish to start with the reverse side of the tape, press the REV button instead.
8. If you wish to cut narration or commercials, press the REC/REC PAUSE button.
9. To resume recording, press the FWD button again. If the reverse side of the tape is being recorded, press the REV button instead.

BEAT CANCEL SWITCH

When recording AM radio programs, an irritating whistling noise can sometimes be heard. If this happens, set the BEAT CANCEL switch (located on the back of the unit) to another position.

TAPE DUBBING

1. Press the POWER button to ON.
2. Insert the tape to be played into the deck A cassette compartment.
3. Insert the tape to be recorded into the deck B cassette compartment.
4. Press the TAPE button.
5. Press the NORMAL DUBBING button for normal speed or HIGH SPEED DUBBING button for high speed dubbing.
6. Now you are dubbing.
7. Press the STOP button at any time to stop dubbing.

CAUTION

Do not change the dubbing speed during dubbing.

EDIT DUBBING

1. Press the TAPE button to show the TAPE A indicator lights.
2. Select the desired program using the AMSS operation and the AMSS buttons.
3. When the desired beginning position is detected, press the STOP button.
4. Press the NORMAL DUBBING button. Now you are dubbing.
5. Press the STOP button when the dubbing is finished.
6. Repeat steps 2-5.
7. When the forward tape side is finished, turn over the cassette.
8. Repeat the above steps to complete edit dubbing on the other tape side.

CAUTION

If high-speed dubbing is performed near a TV that is tuned to a station, a "beep" sound may be recorded. If this happens, rerecord using normal-speed dubbing.

TO MAKE A PAUSE BETWEEN PROGRAMS

1. When dubbing is finished, press the STOP button.
2. Press the REC/REC PAUSE button. Then press the FWD button and let the tape run for 4 or 5 seconds.
3. Press the STOP button.
4. Start dubbing again.
5. Repeat steps 1-4.

CLOCK TIMER

SETTING THE TIMER

1. Press the DISPLAY button to show TIMER ON in the display.
2. Set the timer by using the ADJUST and UP button. See SETTING THE CLOCK TIME.

TIMER RADIO RECORDING (120 MIN.)

Note — The clock time must be set before the timer recording feature can be used.

1. Press the POWER button to ON. Make sure the clock time is preset.
2. Insert a blank cassette into deck B.
3. Set the TIMER REC switch to ON.
4. Tune in the desired station.
5. Press the TIMER button to show TIMER in the display.
6. Press the POWER button to OFF. When the preset time is reached, recording will start.

WAKE-UP TIMER (120 MIN.)

Note — The clock time must be set before the timer recording feature can be used.

1. Press the POWER button to ON. Make sure the clock time is preset.
2. Select a program source (radio, tape or CD).
NOTE: Be sure to set the TIMER REC switch to ON.
3. Press the TIMER button to show TIMER in the display.
4. Press the POWER button to OFF. When the preset time is reached, play will start.

SLEEP TIMER (30 MIN./60 MIN.)

1. Press the POWER button to ON.
2. Press the SLEEP button repeatedly to choose 30 or 60 minutes sleep timer operation.
3. Select a program source (radio, tape, CD). The power will be switched off in 30 or 60 minutes.

DIGITAL DISPLAY

Each time that the DISPLAY button is pressed, the indication in the display will change, as shown below.

1. POWER button set to OFF:
Clock time → Timer start time → Clock time
2. POWER button set to ON and set to radio: Clock time → Station frequency → Timer start time → Clock time

CONNECTING OPTIONAL ACCESSORIES

SURROUND SPEAKERS (OPTIONAL)

Connect a pair of surround speakers (not supplied) to the left and right SURROUND SPKR jacks on the back of the unit.

For the best results:

- a) Place the surround speakers away from the main unit
- b) On either side of the listener
- c) On either side behind the listener

RECORDING FROM AN EXTERNAL UNIT

1. Press the LINE button.
2. Connect an external unit to the LINE IN jacks (L/R) on the back of the unit.
3. Set the unit to the recording mode and set the external unit to the playback mode.

RECORDING A CD ON AN EXTERNAL UNIT

1. Connect the CD OUT (L/R) jacks on the back of this unit to the Line In jacks of the external unit.
2. Put the unit in the CD play mode.
3. Set the external unit to the recording mode.

LISTENING THROUGH HEADPHONES

Plug the cord from a pair of headphones into the PHONES jack. When the headphones are plugged in, the speakers are automatically disconnected.

NOTES:

- Be sure to set the VOLUME control to MINIMUM before plugging in or unplugging the headphones. This precaution is necessary to protect your ears and the headphones against shock noise.
- Use headphones with a 3.5mm (1/4 inch) diameter plug. Consult your local electronic parts dealer for the availability of headphones.

ERASING A TAPE

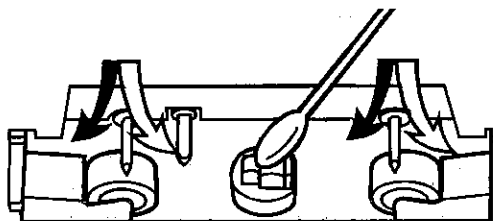
There are two ways to erase tapes:

1. Record over an unwanted recording. (This is automatic. Old recordings are erased when making new recordings.)
2. Erase the tape without recording new material.
 - a) Make sure that nothing is plugged into the LINE IN jacks.
 - b) Press the LINE button.
 - c) Insert the tape to be erased into deck B.
 - d) Press the deck B RECORD button. The side of the tape facing you will be erased.

CLEANING THE HEADS

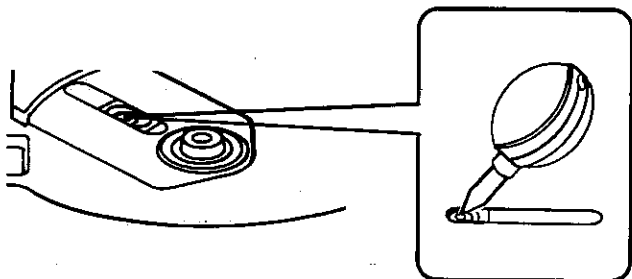
For continued high performance from your double cassette deck, periodically clean the heads, pinch rollers and capstans, whenever an accumulation of dust and red-brown oxide particles is noticed. These particles may be removed with a cotton swab moistened with isopropyl alcohol or special head-cleaning fluid.

To do this properly, press both EJECT buttons to open the cassette compartments. Remove any cassettes still in the compartments and switch off the power. Carefully rub the faces of each head with a cotton swab moistened with isopropyl alcohol. Also clean the surfaces of the capstans and pinch rollers.



CLEANING THE PICKUP LENS

Dirt on the pickup lens may lead to interruptions during disc play, or other trouble preventing normal disc play. Open the disc compartment lid and remove any dirt with a commercially available blower (sold in camera stores). Be careful not to scratch the surface of the lens.



REMOTE CONTROL OPERATION

- The wireless infrared remote control can operate this unit from a distance of up to 5 to 7 meters, at a 15° angle as seen from the front of the unit. The remote control emits an invisible infrared beam, which carries the control signals to the sensor window on the front panel of the unit. Because the infrared beam travels in a straight line, the transmitter window on the remote control must be pointed toward the infrared sensor window on the unit. Make sure that there are no objects between the remote control and this unit that might block the beam.
- Replace worn out batteries with new batteries of the same type when the remote control does not operate properly.
- The buttons on the remote control operate the same way as the corresponding buttons on the unit.

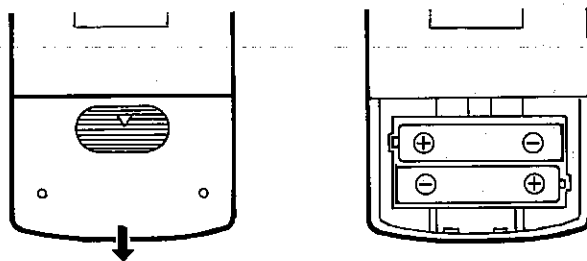
AUTO FUNCTION

When the following buttons are pressed, the function is switched instantly.

- AM or FM button to TUNER
- LINE button to LINE
- PLAY/PAUSE button to CD
- PLAY buttons to TAPE
- When any function is changed, the CD automatically stops, but the tape does not stop. Be sure to press the STOP button.
- During recording, the function does not change. (The AM or FM band however can be changed.)

BATTERY INSTALLATION

Remove the rear cover of the remote control by sliding it in the direction of the arrow. Install two AAA size batteries (included), while observing the correct polarity [match the (+) and (-) signs]. If the batteries are installed incorrectly, the remote control will not operate and damage may result. Replace the rear cover.



انظر الصفحة المطوية لأجل أسماء ومواقع مفاتيح التحكم.

مفاتيح التحكم

قسم اللوحة الخلفية

- ١ - مقاس الهوائي الخارجي للموجة إف إم FM
- ٢ - خزانة بطارية الساعة/ الكمبيوتر COMPUTER/CLOCK
- ٣ - مقاس سماعة الصوت المحيط SURROUND SPKR (اليمن/ اليسار)
- ٤ - مقاس السماعة SPEAKER (اليمن/ اليسار)
- ٥ - مفتاح إلغاء التضارب BEAT CANCEL
- ٦ - مقاس إخراج جهاز الأسطوانات المدمجة CD OUT (اليمن/ اليسار)
- ٧ - مقبس إدخال خط LINE IN (اليمن/ اليسار)
- ٨ - مقبس إدخال التيار المتردد AC INPUT
- ٩ - مفتاح إختيار الفولطية
- ١٠ - مفتاح إختيار الموجة إف إم FM

القسم العام

- ١ - لوحة العرض
- ٢ - نافذة التحكم عن بعد REMOTE (إستشعار الأشعة تحت الحمراء)
- ٣ - مفتاح تحكم ومبين قوة الصوت VOLUME
- ٤ - مفتاح تحكم توازن الصوت BALANCE
- ٥ - مفتاح تحكم ومبين المدرج الأول BASS CONTROL
- ٦ - مفاتيح تحكم المعادل البياني GRAPHIC EQUALIZER
- ٧ - مقاس السماعات PHONES
- ٨ - زر المدرج الأول BASS
- ٩ - أزرار ومبينات الوظيفة FUNCTION
- زر الخط LINE
- زر الأسطوانة المدمجة CD
- زر الموالف TUNER
- زر الشريط TAPE
- ١٠ - زر الطاقة POWER

قسم جهاز الأسطوانات المدمجة CD

- ١ - زر التشغيل/ الايقاف المؤقت PLAY/PAUSE
- ٢ - زر الايقاف/الازالة STOP/CLEAR
- ٣ - زر التخطي/ البحث SKIP/SEARCH
- ٤ - الأزرار الرقمية (1 ~ 10 و 10 +)
- ٥ - زر نظام البحث الآلي للأسطوانات المدمجة CPSS
- ٦ - زر التشغيل المتكرر REPEAT
- ٧ - زر البرنامج PROGRAM
- ٨ - زر التحرير EDIT
- ٩ - غطاء خزانة الأسطوانات المدمجة CD

قسم أجهزة الكاسيت العام (ب/ أ)

- ١ - زر إخراج الشريط A
- ٢ - أزرار ومبين النسخ بالسرعة العادية NORMAL والعالية HIGH SPEED الشريط A
- ٣ - خزانة جهاز الكاسيت A
- ٤ - مفتاح نظام مؤثر الصوت SOUND EFFECT SYSTEM
- ٥ - مفتاح دولبي DOLBY NR لتخفيض الضجيج
- ٦ - مفتاح وضع العكس
- ٧ - مفتاح ومبينات إختيار الشريط أ/ ب TAPE A/B
- ٨ - مفتاح ومبين التقديم السريع FWD
- ٩ - زر الايقاف STOP
- ١٠ - زر ومبين الترجيع REV
- ١١ - خزانة جهاز الكاسيت ب B
- ١٢ - أزرار نظام إختيار المقطوعة الموسيقية أوتوماتيكيا AMSS والتقديم السريع والترجييع
- ١٣ - زر إخراج EJECT الشريط ب B
- ١٤ - زر التسجيل/ الايقاف المؤقت للتسجيل REC/REC PAUSE

قسم الراديو والمؤقت

- ١ - أزرار تحكم التوليف TUNING (فوق/تحت UP/DOWN)
- ٢ - مبين الموجة إف إم ستريو FM STEREO
- ٣ - مفتاح الوضع إف إم FM MODE
- ٤ - الزر إف إم FM
- ٥ - الزر إيه إم AM
- ٦ - زر الذاكرة الآلية AUTO MEMORY
- ٧ - زر البرنامج PROGRAM
- ٨ - أزرار الضبط المسبق (1 ~ 10)
- ٩ - زر التشغيل المتكرر REPEAT (ضبط مسبق آلي AUTO PRESET)
- ١٠ - زر التحرير EDIT (ضبط مسبق آلي AUTO PRESET)

١١ - مفتاح مؤقت التسجيل TIMER REC

- ١٢ - زر المؤقت TIMER
- ١٣ - زر العرض DISPLAY
- ١٤ - أزرار الوقت TIME (ضبط ADJUST وفوق UP)
- ١٥ - زر النوم SLEEP

نظام دولبي لتخفيض الضجيج (DB)

تم تصنيع نظام دولبي لتخفيض الضجيج تحت ترخيص من شركة تراخيص معامل دولبي.
إن الكلمة دولبي "DOLBY" وعلامة الحرف D المزدوج، DB، العلامة التجارية لشركة تراخيص معامل دولبي.

تحذير حقوق النسخ

إن نسخ المواد ذات حقوق النسخ المحفوظة لغير الاستعمال في الأغراض الشخصية دون موافقة صاحب حقوق النسخ أمر غير قانوني. إذا كنت ترغب في تسجيل مثل تلك المواد، فإن الحصول على موافقة صاحب حقوق النسخ يعد أمر ضرورياً. كما أن شركة سانيو لا توفق على ولا تتحمل أية مسؤولية تجاه أي إستخدام غير قانوني لهذا الجهاز.

تنبيه

زر الطاقة لهذا الجهاز متصل بدائرة ثانوية ولا يقوم بفصل الجهاز عن مصدر طاقة التيار المتردد حتى لو كان الزر في الوضع K، طالما لا يزال سلك التيار المتردد AC متصلاً بمصدر التيار المتردد AC.

SANYO

SANYO Electric Co., Ltd.