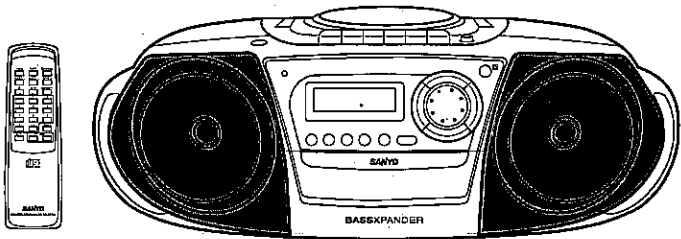


SANYO

INSTRUCTION MANUAL

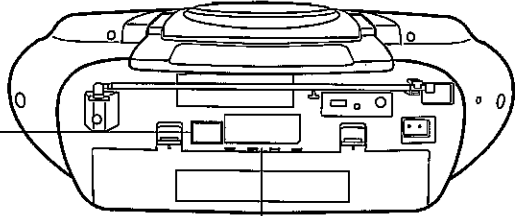
MCD-ZX700F

CD Portable Radio Cassette
Recorder



PRECAUTIONS

CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT



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 ÄR ÖPPNAD OCH SPÄRR ÄR URKOPPLAD. STRÅLEN ÄR FARLIG.

VORSICHTI -UNSIHTBARE LASERSTRÅLUNG TRITTS AUS, WENN DECKEL GEÖFFNET UND ENN SICHERHEITSVERRIEGELUNG ÜBERBRÜCKT IST. NICHT, DEM STRAHL AUSSETZEN.

VARO !-Avattaessa ja suojalukitus ohitettaessa olet alltiina näkymättömälle lasersäteilylle. Älä katso säteeseen.

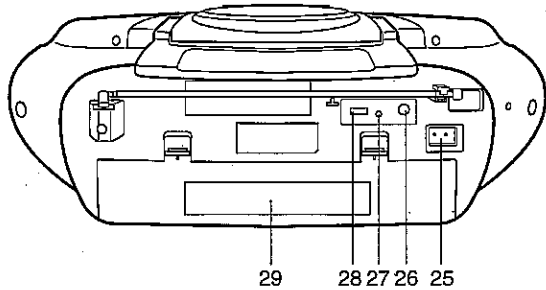
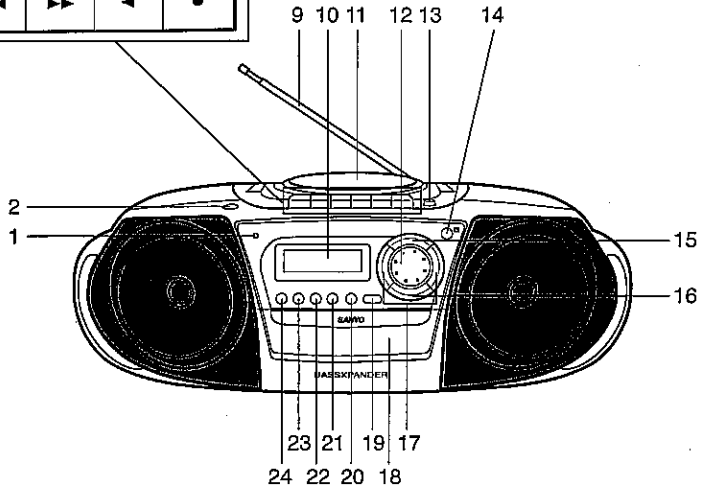
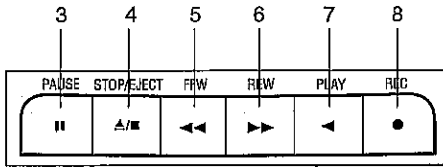


CAUTION - USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED IN THE OPERATION INSTRUCTION MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

THIS PRODUCT SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT PROPERLY QUALIFIED PERSONNEL.

- The apparatus shall not be exposed to dripping or splashing.
- Do not use where there are extremes of temperature (below 5 °C or exceeding 35°C).
- Because of the CD player's extremely low noise and wide dynamic range, there might be a tendency to set the volume on the amplifier unnecessarily high. Doing so may produce an excessively large output from the amplifier which could damage your speakers.
- Sudden changes in the ambient temperature may cause condensation to form on the optical lens inside the unit. If this happens, take out the disc, leave the unit for about 1 hour, and then proceed to operate.
- Do not install this equipment in a confined space, such as a book case or built in cabinet.
- The rating label is located on the back of the unit.
- No object filled with liquid, such as vase shall be placed on the apparatus.

CONTROLS



- | | |
|--|---|
| 1. Standby indicator (STANDBY) | 17. Skip/Search, Tuning buttons
(TUNING - / ◀◀, ▶▶ / TUNING +) |
| 2. Power button (⏻/ON) | 18. Cassette holder |
| 3. Pause button (PAUSE) | 19. Bass expander button (BASSXPANDER) |
| 4. Stop/Eject button (STOP/EJECT) | 20. Memory/Clock adjust button
(MEMORY/CLOCK ADJ.) |
| 5. Fast forward button (FFW) | 21. Preset/Repeat button (PRESET/REPEAT) |
| 6. Rewind button (REW) | 22. FM mode/Random button
(FM MODE/RANDOM) |
| 7. Play button (PLAY) | 23. Tuner function/Band select button
(TUNER/BAND) |
| 8. Record button (REC) | 24. Tape function button (TAPE) |
| 9. Telescopic aerial | 25. AC input socket (AC INPUT-) |
| 10. Display | 26. Headphones socket (PHONES) |
| 11. CD compartment | 27. Reset button (RESET) |
| 12. Volume control (- VOL +) | 28. Beat cancel switch (BEAT CANCEL) |
| 13. CD compartment opening button
(CD OPEN) | 29. Battery compartment lid |
| 14. Remote sensor (IR) | |
| 15. Play/Pause button (▶/) | |
| 16. Stop button (■) | |

POWER SUPPLY

AC POWER

Connect one end of the mains lead to the AC INPUT~ socket and the other end to an AC outlet.

Note:

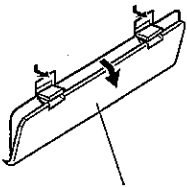
- The installed batteries are automatically disconnected when the mains lead is connected to the unit.
- The ϕ /ON button is mounted on the secondary side. The unit is not disconnected from mains, even switched off.

BATTERY POWER

Installing batteries

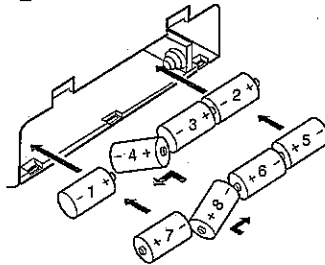
Install eight "D/R20" batteries (not supplied) as shown below.

1

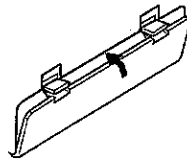


Battery compartment lid

2



3



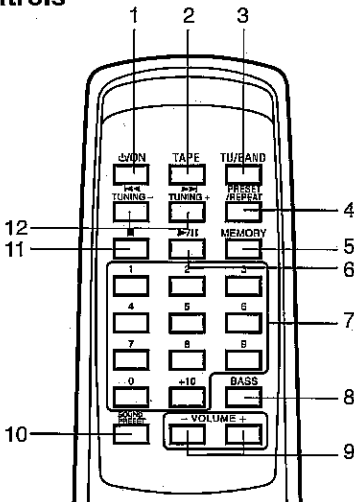
Cautions on batteries

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

1. All batteries must be installed with the proper polarity (see diagram on the rear of the unit).
2. Do not mix new with old or used batteries.
3. Only use batteries of the same type and brand.
4. Remove the batteries when they are not to be used for a long period time.
5. When the batteries have become discharged, they must be disposed of in a safe manner which complies with all applicable laws.

REMOTE CONTROL

Controls



1. Power button (ϕ /ON)
2. Tape function button (TAPE)
3. Tuner function/Band button (TU/BAND)
4. Preset/Repeat button (PRESET/REPEAT)
5. Memory button (MEMORY)
6. Play/Pause button (\blacktriangleright /||)
7. Number buttons (1-9, 0, +10)
8. Bass expander button (BASS)
9. Volume buttons (- VOLUME +)
10. Sound Preset button (SOUND PRESET)
11. Stop button (\blacksquare)
12. Skip/Search, Tuning buttons (\llcorner /TUNING -, \lrcorner /TUNING +)

Number buttons (1-9, 0, +10)

If the function is "CD", the buttons select the track numbers on a disc.

If the function is "RADIO", the buttons select preset radio stations.

With any other function, the buttons will not function.

Example:

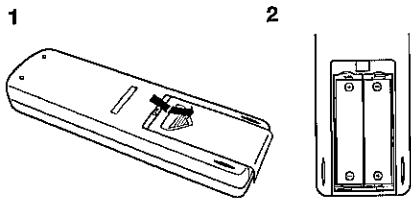
To select No. 3, press 3.

To select No. 10, press +10, then 0.

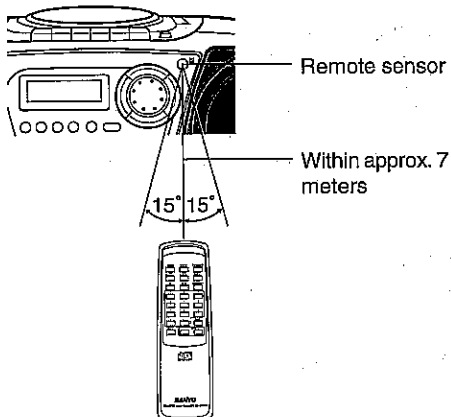
To select No. 25, press +10 twice, then 5.

Installing batteries

Install two "AAA/R03" batteries (not supplied) as shown below.



Remote control range



The buttons on the remote control perform similar functions to similarly marked buttons on the front panel.

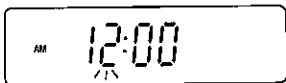
ADJUSTING THE CLOCK

NOTE:

When the unit is first connected to the AC power line, the clock display blinks on the display.

Example: To set "PM 6:30"

1. First, press the \odot /ON button to turn the power off. The clock display appears.
2. Press the CLOCK ADJ. button for at least 2 seconds. The hours display blinks.



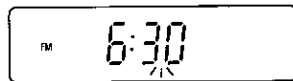
3. Press the \blacktriangleright or \blacktriangleleft button to set the "hours".



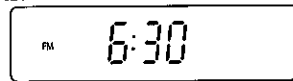
4. Press the CLOCK ADJ. button. The minutes display blinks.



5. Press the \blacktriangleright or \blacktriangleleft button to set the "minutes".



6. Press the CLOCK ADJ. button. The clock starts.



- The time can be set accurately by pressing the CLOCK ADJ. button when a time signal is heard.
- To display the clock during operation, press the \odot /ON button to turn the power off. Press it again to return to the original display.

GENERAL OPERATION

Turning the power on and off

Press the **⏻/ON** button to turn the power on. The **STANDBY** indicator goes out.

Press the **⏻/ON** button again to turn the power off. The **STANDBY** indicator lights.

- When the mains lead is connected to the unit, the **STANDBY** indicator lights and the unit will respond to commands from the remote control.

Note:

If the unit is being powered by batteries, the **STANDBY** indicator does not light.

Adjusting the volume

Turn the **- VOL +** control, or press the **+** or **- VOLUME** button on the remote control. The volume level appears on the display, (**VOL 0 ~ VOL 40**).

Bass expander control

Press the **BASSXPANDER** button to enhance the bass sound. "**BASS**" appears on the display.

Selecting the sound mode (Remote control only)

Press the **SOUND PRESET** button to select the sound mode matching the music to be listened to. Each time the button is pressed, the display changes as shown below.

FLAT: Flat music, etc.

ROCK: Rock music, etc.

JAZZ: Jazz, etc.

POP: Pops etc.

CLASSIC: Classical music, etc.

Headphones

Connect stereo headphones (not supplied) to the **PHONES** socket for monitoring or for private listening. The speakers are automatically disconnected when headphones are connected.

WHAT TO DO IF ...

If the operation of the unit or display is not normal,

1. Disconnect the mains lead.
2. Press the **RESET** button (rear of the unit) for at least 30 seconds.
3. Connect the mains lead.
4. Operate the unit.

CD PLAY

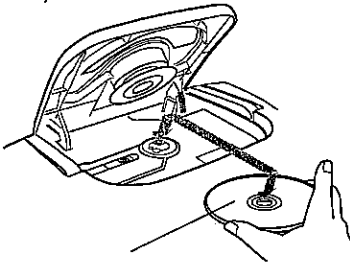
Use compact discs bearing the symbol shown. In addition to conventional 12 cm CDs, this system can be used to play 8 cm CDs without an adapter.



Note:

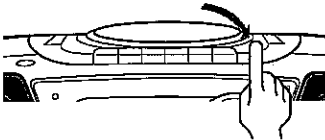
This unit can play back the CD-R/RW that have recorded music data as well. However, some CD-R/RWs can not be played back depending on the recording conditions.

1. Press the ►/|| button to select "CD".
2. Press the CD OPEN button. The CD compartment opens. "OPEN" appears on the display.
3. Place the disc with the label facing up on the turntable. (Place only one disc at a time.)



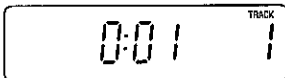
Label facing up

4. Press the CD compartment lid (PUSH TO CLOSE portion) to close it.



The total playing time and total number of tracks on the disc appear.

5. Press the ►/|| button.



Play starts from the first track. The elapsed playing time for the current track and track number are displayed.

- To start play from the desired track, select the track by using the ►►, ◀◀ button (or number buttons on the remote control), then press the ►/|| button.

Note:

If a disc is loaded upside down, or if no disc is loaded, "no disc" appears. If this occurs, load the disc correctly or replace the damaged disc.

6. Press the ■ button to end disc play at any time.

When the last track has been played, the player stops automatically.

Note:

Do not open the CD compartment during CD play. Always press the ■ button and wait for the disc to stop rotating before opening the CD compartment lid.

Notes on handling compact discs

- Do not expose the disc to direct sunlight, high humidity or high temperatures for extended periods of time.
 - Discs should be returned to their cases after use.
 - Do not apply paper or write anything on the disc surface.
 - Handle the disc by its edge. Do not touch the playing surface (glossy side).
 - Fingerprints and dust should be carefully wiped off the playing surface of the disc 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.

Temporarily stopping play

Press the ►/|| button. Elapsed playing time blinks. To resume play, press the button again.

Skip play

To skip to track 6 while track 3 is playing, press the ►| button repeatedly until "6" appears (in the track section) on the display. To skip back to track 3 while track 6 is playing, press the |◄ button repeatedly until "3" appears.

- The number buttons on the remote control can also be used for skip play. To skip to track 6 while one track is playing, press 6.

Search (forward/reverse)

If the ►| or |◄ button is pressed during play, the player will search at high speed in the forward or reverse direction while the button is being pressed. When the button is released, normal play will continue.

Random play (unit only)

Press the RANDOM button to begin random play. The player will automatically select and play tracks on the disc at random. "RANDOM" appears on the display.

- While in programme playing mode press the RANDOM button. "MEMORY" is replaced by "RANDOM". The player changes automatically to RANDOM playing mode.

Repeat play

Press the REPEAT button repeatedly before or during play to select various repeat mode available.

Each time the REPEAT button is pressed, the repeat mode changes as shown below:

REPEAT blinks (Repeat one track) → REPEAT remains lit (Repeat all tracks)

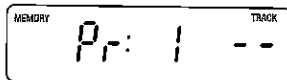
↑
Released
(Normal play mode)

PROGRAMMED PLAY

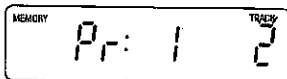
Up to 16 tracks on a disc can be programmed for play in any order.

- To begin the programming procedure, select "CD" function first.
- The same track can be programmed more than once.
- Load a disc that you want to programme before starting programmed play.

1. Press the ■ button.
2. Press the MEMORY button.



3. Select a track by using the ►|, |◄ button.
 - The number buttons on the remote control can also be used.



4. Press the MEMORY button. "MEMORY" remains lit.
5. Repeat steps 3 - 4 to programme additional tracks.
6. Press the ►/|| button to start play. When all programmed tracks have been played, the player stops automatically, "0:00" appears.
 - The programme contents are retained in memory.
 - Any attempt to programme more than 16 tracks will result in discontinuation of the programming and first programmed track number appears.
 - To cancel programmed play, press the ■ button twice.

Checking the programme

Each time the MEMORY button is pressed in the stop mode, the programmed details sequentially appear on the display.

Changing a programme

To add a new track to a programme:

1. In the stop mode, press the MEMORY button repeatedly until "—" (on the track section) appears on the display.
2. Select a track as explained above.
3. Press the MEMORY button.

To change a track:

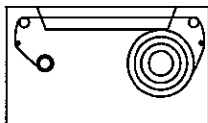
1. In the stop mode, press the MEMORY button repeatedly until the selection to be replaced is displayed.
2. Select a track as explained above.
3. Press the MEMORY button.

Note:

Programmed tracks cannot be partially deleted or inserted.

LISTENING TO TAPES

1. Press the TAPE button to select "TAPE". "TAPE" appears on the display.
2. Press the STOP/EJECT button. The cassette holder opens.
3. Load the cassette into the cassette holder.



After loading the cassette, press the cassette holder back into position.



4. Press the PLAY button to begin playback.
 5. Press the STOP/EJECT button to stop playback at any time. Press it again to remove the cassette.
- When the end of the tape has been reached, the tape stops automatically.

Note:

- Use the normal tape (TYPE 1).
- Endless tapes cannot be used.
- Do not use C-100 (or longer) tapes. They may jam in the mechanism.

Pause

Press the PAUSE button to temporarily stop playback or recording. Press it again to resume operation.

Fast forward and rewind

Press the FFW or REW button. When the desired location has been reached, press the STOP/EJECT button.

Automatic stop system

At the end of the tape while recording or playing back, the cassette deck stops automatically and the buttons are released.

This system does not work in fast forward and rewind operation. Be sure to press the STOP/EJECT button when the end of the tape has been reached.

Example (When using C-60 tape):

Press the STOP/EJECT button after approximately 2 minutes have elapsed under fast forward and rewind operation.

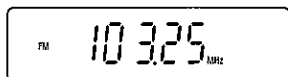
LISTENING TO THE RADIO

Automatic/Manual tuning

1. Press the TUNER/BAND button to select FM or AM, the tuner mode display appears.
2. **Automatic tuning:** Press the TUNING - or TUNING + button for at least 1 second to tune in a station. The unit will scan up or down the band and receive the next receivable station. Press the button again to continue.

Manual tuning:

Press the TUNING - or TUNING + button briefly until the desired frequency is displayed.



3. To turn the radio off. Press the ϕ /ON button.

To receive FM stereo broadcasts

Make sure that "MONO" is not displayed. If "MONO" appears, press the FM MODE button to turn the "MONO" indication off.

"STEREO" appears when an FM stereo broadcast is received.

- If the signal from an FM stereo station is weak and reception is poor, press the FM MODE button to change to the MONO mode. The reception may be improved, but the sound will be monaural.

To improve reception

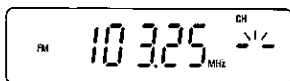
FM: Pull out the telescopic aerial and adjust its position.

AM: Rotate the unit.

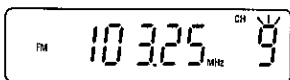
To preset stations

Up to 20 FM and 12 AM stations can be preset.

1. Tune in the station to be preset as described above.
2. Press the MEMORY button.



3. While "--" is blinking, press the PRESET button to select the channel to be preset.



4. While the channel number is blinking, press the MEMORY button, the channel number remains lit.
 - In this example, "103.25 MHz" FM station is preset on FM channel 9.
 - The number buttons on the remote control can also be used. In this example, press 9 after the step 2 above.

5. Repeat steps above to add more preset stations.

- When presetting a new station, the previous preset station is cleared.

Listening to preset stations

1. Select "TUNER" function and select the band.
2. Press the PRESET button briefly.
 - The number buttons on the remote control can also be used.

RECORDING

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.

Recording compact discs (Synchronous recording)

1. Load a blank cassette.
2. Press the ►/II button to select "CD" function.
3. Load the disc to be recorded.
 - Select the track number if required.
 - For programmed recording, programme the material in advance (as described under "PROGRAMMED PLAY").
4. Press the REC button. The PLAY button is engaged simultaneously and CD recording starts.
 - When you want to record music as you listen, press the REC button. Recording starts automatically from the beginning of the the track.

5. Press the STOP/EJECT button to stop recording.

When the end of the tape is reached, the CD player and deck stop automatically.

Recording from the radio

1. Load a blank cassette.
2. Tune in the radio station to be recorded.
3. Press the REC button to start recording.
4. Press the STOP/EJECT button to stop recording.

When beat is heard

Beat (a high-pitched noise) may sometimes be heard during the recording of radio broadcasts. If this occurs, set the BEAT CANCEL switch to the position that reduces the level of the beat noise.

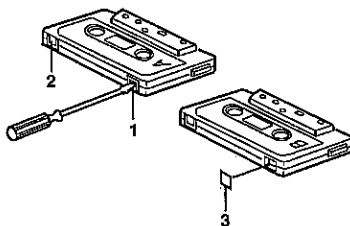
Safeguards against accidental erasure

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

- To erase or record a protected cassette, cover the tab openings with adhesive tape (3).

Note:

The REC button cannot be depressed when using a protected cassette.



MAINTENANCE

Cleaning the unit

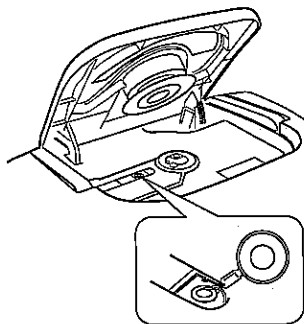
Clean the outside of the unit with a clean soft cloth, moistened with lukewarm water. Do not use benzene, thinners, or alcohol since they will mar the finish of the surfaces.

Cleaning the tape heads and tape path

To ensure continued high performance, 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.

Cleaning the CD player lens

The lens should never be touched. If dust is on the lens, blow it off using a camera lens blower. (Consult your dealer.)



SPECIFICATIONS

CD Player

Channels:
2-channel stereo
Sampling frequency:
44.1 kHz
Pick-up :
Semiconductor laser
Laser output:
0.6 mW (Continuous wave max.)
Wave length:
790 nm
Wow & flutter:
Below measurable limits

Radio

Reception frequency:
FM: 87.5 ~ 108 MHz
AM: 522 ~ 1710 kHz

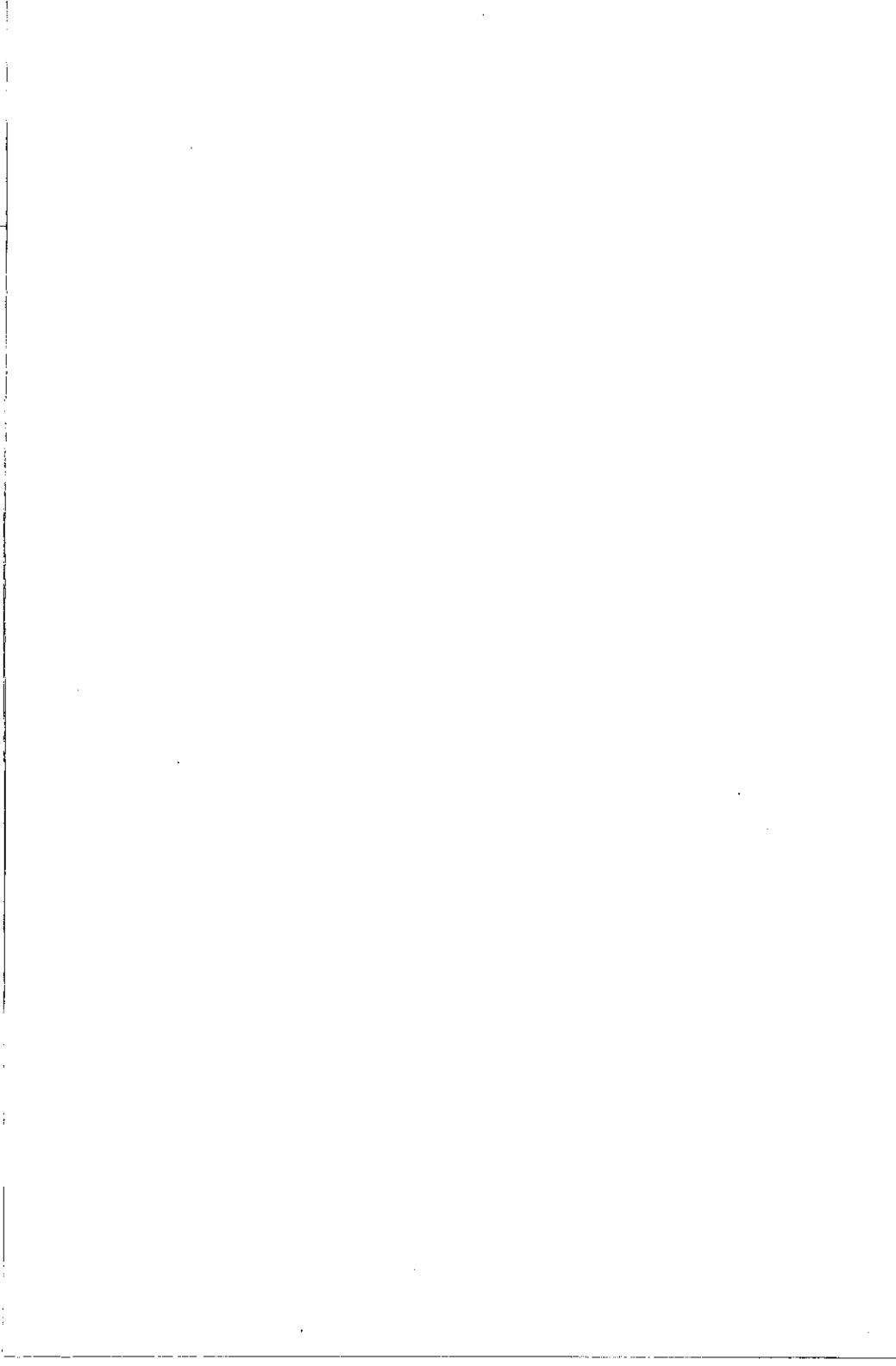
Cassette deck

Track system:
4-track, 2 - channel stereo
Erasing system:
Magnet erase
Tape speed:
4.75 cm/sec.
Frequency response:
80 ~ 12,000 Hz
Fast forward/rewind time:
Approx.110 sec. (C-60)

General

Output power :
3 W/ch (DC max.)
Speakers:
10 cm x 2
Terminal:
PHONES: 32 ohms
Power source:
AC: 230 ~ 240V, 50Hz
DC: 12V, 8 "R20/D" batteries
Dimensions:
480(W) x 167(H) x 258(D) mm
Weight:
Approx. 3.0 kg (without batteries)

Specifications subject to change without notice.





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SANYO

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