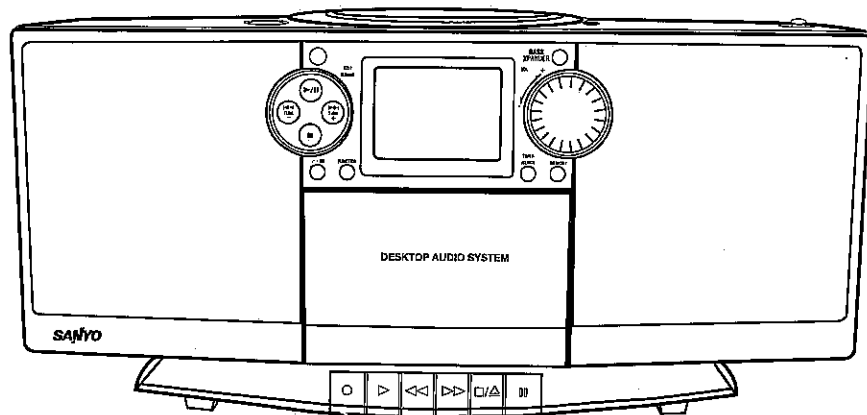
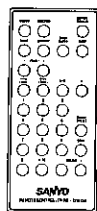


SANYO

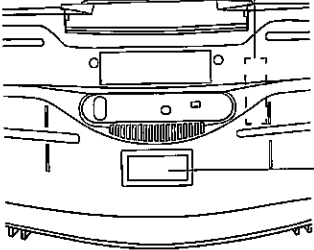

INSTRUCTION MANUAL

DTA-150

Desktop Audio System



PRECAUTIONS

	<p>CAUTION-INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.</p>	
	<p>ADVARSEL-USYNLIG LASER STRÅLING VED ÅBNING, NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION, UNDGÅ UDSÆTTELSE FOR STRÅLING.</p>	
	<p>VARNING-OSYNLIG LASER STRÅLNING NÅR DENNA DEL ÄR ÖPPNAD OCH SPÄRR ÄR URKOPPLAD. STRÅLEN ÄR FARLIG.</p>	
	<p>VORSICHT! -UNSICHTBARE LASERSTRAHLUNG TRITT AUS, WENN DECKEL GEÖFFNET UND ENN SICHERHEITSVERRIEGELUNG ÜBERBRÜCKT IST. NICHT, DEM STRAHL AUSSETZEN.</p>	
	<p>VARO !-Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen.</p>	

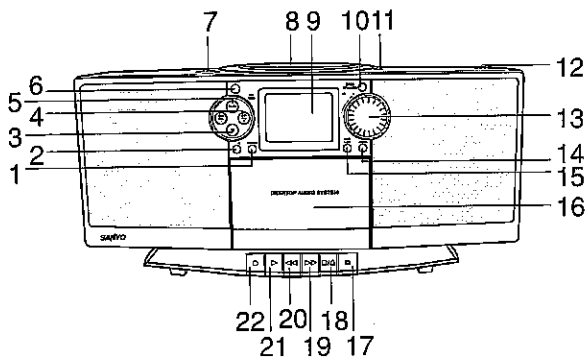
CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

CAUTION - USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED IN THE OPERATING INSTRUCTIONS MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. THIS PRODUCT SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT PROPERLY QUALIFIED PERSONNEL.

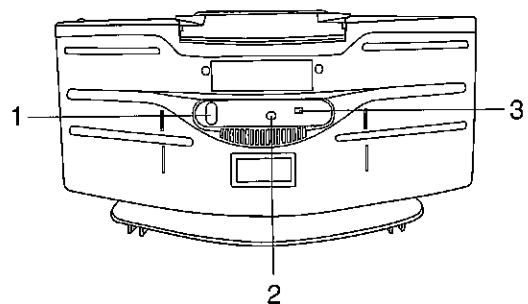
- The apparatus shall not be exposed to dripping or splashing.
- Do not use where there are extremes of temperature (below 5°C or exceeding 35°C) or where direct sunlight may strike it.
- Because of the CD player's extremely low noise and wide dynamic range, there might be a tendency to set the volume 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.
- The system's speakers use powerful magnets. Do not place timepieces, credit cards, cassette tapes or video tapes, etc. near the speakers.
- Do not install this equipment in a confined space, such as a book case or built in cabinet.
- No objects filled with liquids, such as vases, shall be placed on the apparatus.

CONTROLS

Front cover of unit



Rear of unit



- | | | |
|---|--|---|
| <ol style="list-style-type: none"> 1. Function button (FUNCTION) 2. Power button (⏻/ON) 3. Stop button (■) 4. Skip/Search, Tuning buttons (◀◀/TUNE -, TUNE +/▶▶) 5. Play/Pause button (▶/) 6. Remote sensor 7. Snooze/Display button (SNOOZE/DISPLAY) 8. CD Compartment 9. Display 10. Bass expander button (BASSXPANDER) 11. Open button for CD Compartment lid (▲ CD OPEN) | <ol style="list-style-type: none"> 12. Telescopic aerial 13. Volume control (- VOL +) 14. Memory button (MEMORY) 15. Timer/Clock button (TIMER/CLOCK) 16. Cassette holder 17. Pause button () 18. Stop/Eject button (■/▲) 19. Fast forward button (▶▶) 20. Rewind button (◀◀) 21. Play button (▶) 22. Record button (●) | <ol style="list-style-type: none"> 1. AC input socket (AC INPUT) 2. Headphones socket (PHONES) 3. Beat cancel switch (BEAT CANCEL) |
|---|--|---|

POWER SUPPLY

AC power

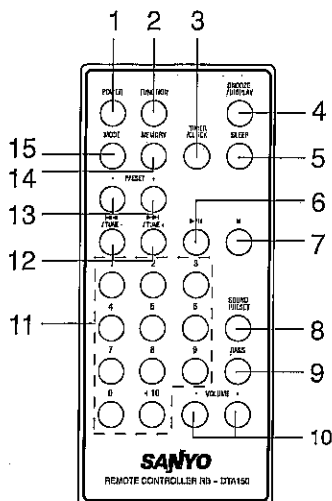
connect one end of the mains lead to the AC INPUT socket and the other end to an AC outlet.

Note:

The system is not completely disconnected from the mains when the \odot /ON button is set to the \odot position.

REMOTE CONTROL

Controls



1. Power button (POWER)
2. Function button (FUNCTION)
3. Timer/Clock button (TIMER/CLOCK)
4. Timer display/Snooze button (SNOOZE/DISPLAY)
5. Sleep button (SLEEP)
6. Play/Pause button (▶/⏸)
7. Stop button (■)
8. Sound preset button (SOUND PRESET)
9. Bass expander button (BASS)
10. Volume buttons (- VOLUME +)
11. Number buttons (1~9, 0, +10)
12. Skip/Search. Tuning buttons (◀◀/TUNE -, ▶▶/TUNE +)
13. Preset tuning buttons (- PRESET +)
14. Memory button (MEMORY)
15. Mode button (MODE)

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

These buttons are used to select the track numbers on a disc or preset radio stations.

If the function is "CD", the buttons select the track numbers on a disc. If the function is "TUNER", the buttons select preset radio stations.

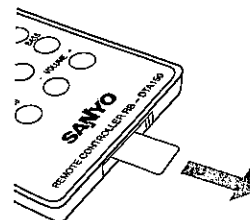
With any other function, the buttons will not function.

Example:

- To select No. 3, press 3.
- To select No. 10, press +10, then 0.
- To select No. 25, press +10 twice, then 5.

When you use the remote control for the first time...

Pull the plastic sheet. The remote control can be used from now.

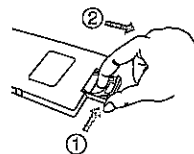


Note:

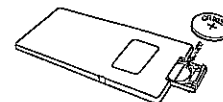
There is CR2025 Lithium Battery (supplied) in the battery compartment of the remote control.

Replacing the battery

1



2



Please purchase CR2025 Lithium Battery.

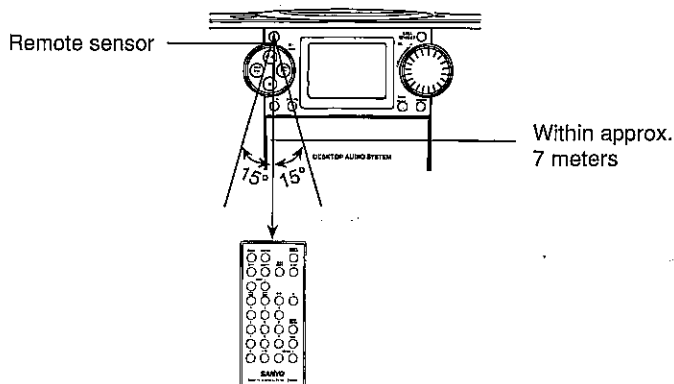
Notes:

- When the remote control does not work properly, the battery is weak. Replace it.
- Remove the battery if the remote control is not be used for a month or more. Battery left in the unit may leak and cause damage.

CAUTION:

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

Remote control range




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

ADJUSTING THE CLOCK (Main unit only)

Note:

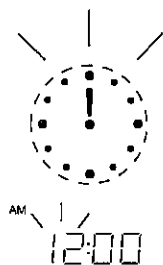
When the unit is first connected to the AC power line, the clock display blinks on the display.

Example: To set "AM 6:30",

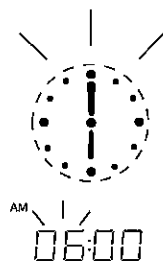
1. First, press the /ON button to turn the power off. The clock and clock display appears.



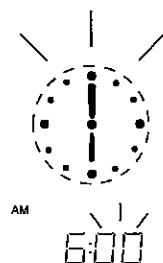
2. Press the TIMER/CLOCK button for at least 2 seconds, the "CLOCK" and "hours" display blink.



3. Press the  or  button to set the "hours".



4. Press the MEMORY button, the "CLOCK" remain blink and the "minutes" display blinks.



5. Press the  or  button to set the "minutes".



6. Press the MEMORY button. The clock starts.



- The time can be set accurately by pressing the TIMER/CLOCK and the MEMORY button when a time signal is heard.
- To display the clock during operation, press the SNOOZE/DISPLAY button briefly. After a few seconds, the original display returns.
- If a power failure occurs or the mains lead is disconnected, and the clock display blinks. Reset the time again.

Changing the clock to the 24-hour display

1. Disconnect the main lead.
2. Connect the main lead again.
3. Within 5 seconds, while holding the FUNCTION button down (main unit), press the MEMORY button (main unit).

Example: PM 1:00 - 13:00
To return the original setting, repeat steps above.

BEFORE OPERATION

Turning the power on and off

Press the \odot /ON button. The display lights. To turn the power off, press the \odot /ON button again, and the clock display remains lit.

Selecting the function

Press the FUNCTION button to select the desired function. Each time the button is pressed, the display change as follow:

CD \rightarrow TUNER_{FM} \rightarrow TUNER_{AM} \rightarrow TAPE \rightarrow CD \rightarrow ...

- When the function selection is changed. CD play is automatically stopped.

Adjusting the volume

Turn the - VOL + control, or press the VOLUME - or + button on the remote control. The volume level appears by numbers (00 ~ 40) and fan-graph on the display.

Bass expander system

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:

- POPS: Pops, etc.
- JAZZ: Jazz, etc.
- ROCK: Rock music, etc.
- FLAT: Flat music, etc

SNOOZE/DISPLAY function

1. When the unit is power on mode (except current time mode), each time the SNOOZE/DISPLAY button is pressed, the display change as follow:
Original display \rightarrow Current time display \rightarrow Original display.
2. When the unit is power off mode, press the SNOOZE/DISPLAY button repeatedly to select the backlight mode as follow:
Backlight off \rightarrow Backlight on \rightarrow Backlight off \rightarrow
Note: If backlight on mode, after about 5 seconds. Backlight is going to off automatically.

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 even though the appropriate buttons have been pressed.

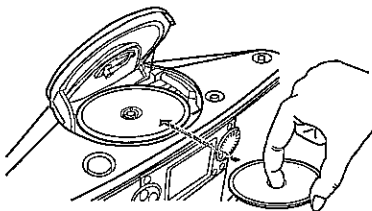
1. Disconnect the mains lead.
2. Connect the mains lead.
3. Within 5 seconds, while holding the FUNCTION button down (main unit), press the \blacksquare button (main unit).

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.



1. Press the FUNCTION button to select "CD" function.
2. Press the \blacktriangle CD OPEN button. The CD compartment open. The "OPEN" appears.
3. Place the disc with the label facing up on the disc turntable.
(Place only one disc at a time.)
4. Press the CD compartment lid (PUSH TO CLOSE portion) to close it. The total number of tracks and total playing time on the disc appear.
Note:
If the disc is loaded with the label facing downward, or if a badly scratched disc is loaded, "no Cd" appears. If this occurs, load the disc correctly or replace the damaged disc.
5. Press the \blacktriangleright /II button. Play starts from the first track.



The current track number and elapsed playing time are displayed.

6. Press the \blacksquare button to end disc play.
When the last track has been played, the player stops automatically.

Note:

Always press the \blacksquare button and wait for the disc to stop rotating before opening the CD compartment.

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 use 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.

To start play from the desired track

Select the track by using the \blacktriangleright I or \blacktriangleleft button, then press the \blacktriangleright /II button.

- The number button on the remote control can also be used.

Temporarily stopping play

Press the \blacktriangleright /II button. " \blacktriangleright " and elapsed playing time blink on the display. To resume play, press the button again.

Skip play

To skip to track 6 while track 3 is playing, press the \blacktriangleright I 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 \blacktriangleleft button repeatedly until "3" appears.

- The number buttons on the remote control can also be used.

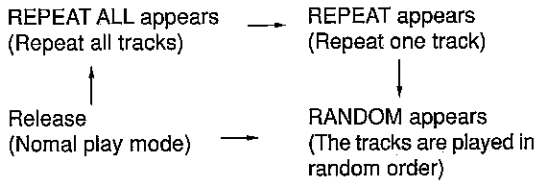
Search (forward/reverse)

If the \blacktriangleright I or \blacktriangleleft 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.

MODE function (Remote control only)

Press the MODE button repeatedly before or during play to select a various play mode available.

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



NOTE:
"RANDOM" mode can not be selected during a programmed play.

PROGRAMMED PLAY

Up to 20 tracks on a disc can be programmed for play in any order.

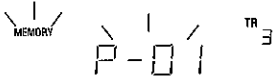
- First, select "CD" function and load a disc that you want to programme.
- The tracks must be programmed in the stop mode.
- The same track can be programmed more than once.

1. Press the MEMORY button.



2. Select a track by using the ►► or ◀◀ button.

- The number buttons on the remote control can also be used.



3. Press the MEMORY button.



4. Repeat steps 2 - 3 to programme additional tracks.
5. Press the ►/|| button to start programmed play. When all programmed tracks have played, the first programmed track will appear and "MEMORY" will blink.
 - The programme contents are retained in memory.
 - The maximum number of selections that can be programmed is 20. If you try to enter more selections, "FULL" and "MEMORY" blink on the display.
 - The programmed contents are retained even if the function selection is changed.
 - 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 "00" (on the track section) appears on the display.
2. Select a track as explained above.
3. Press the MEMORY button.

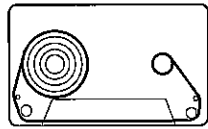
To change a track:

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 FUNCTION button to select "TAPE".
2. Press the ■/▲ button to open the cassette holder.
3. Load the cassette. After loading the cassette, push the cassette holder back into position.
4. Press the ► button to begin playback.
5. Press the ■/▲ button to stop playback at any time. Press it again to remove the cassette. When the end of the tape has been reached, automatic stop will be activated.



- 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 || button to temporarily stop playback or recording. Press it again to resume operation.

Fast forward and rewind

Press the ►► or ◀◀ button. When the desired location has been reached, press the ■/▲ 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 ■/▲ button when the end of the tape has been reached. Example (When using C-60 tape). Press the ■/▲ button after approximately 2 minutes have elapsed under fast forward and rewind operation.

LISTENING TO THE RADIO

Automatic/Manual tuning

1. Press the FUNCTION button to select FM or AM, the tuner mode display appears.

2. Automatic tuning

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

FM 103.25 MHz

To preset stations (Remote control only)

Up to 20 stations for FM band, 20 stations for AM band can be preset.

1. Tune in the station to be preset as described in "Automatic/Manual tuning".

2. Press the MEMORY button.

MEMORY FM 103.25 MHz CH 00

3. Press the PRESET - or PRESET + button on the remote control to select the channel number to be preset.

- The number button on the remote control can also be used.

MEMORY FM 103.25 MHz CH 09

4. Press the MEMORY button.

- In this example, "103.25 MHz" FM station is preset on FM channel 9.

FM 103.25 MHz CH 09

Note:

If the MEMORY button is not pressed within 4 seconds, the station is preset automatically.

5. Repeat the steps above to add more preset stations.

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

Listening to preset stations

1. Press the FUNCTION button to select FM or AM.

2. Press the PRESET - or PRESET + button on the remote control to select the desired channel number. The selected channel number appears.

To receive FM stereo broadcasts

"ST" appears when an FM stereo broadcast is received. If not, press the MODE button on the remote control to turn the "ST" indication on.

- If the signal from an FM stereo station is weak and reception is poor, press the MODE button on the remote control 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.

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 disc (Synchronous recording)

1. Load a blank cassette.

2. 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 ● button. The ► button is engaged simultaneously and CD recording starts.

- When you want to record music as you listen, press the ● button. Recording starts automatically from the beginning of the track.

5. Press the ■/▲ button to stop recording.

When the end of the tape is reached. The deck stop automatically and the CD player enters pause mode.

Recording from the tuner

1. Load a blank cassette.

2. Tune in the radio station to be recorded.

3. Press the ● button to start recording.

4. Press the ■/▲ button to stop recording.

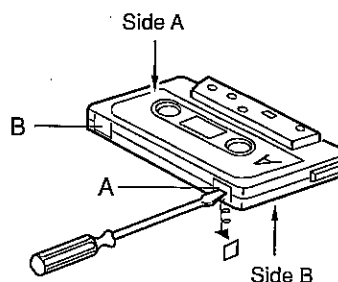
When beat is heard

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

Safeguards against accidental erasure

Accidental erasure can be prevented by breaking out the tabs on the end of the cassette taps (where the tape is not exposed) using a screwdriver or similar implement.

If a tab is broken out in error and you wish to re-record the tape, simply block the tab hole using adhesive tape and the tape can be used for recording again.



Break out tab A for side A.
Break out tab B for side B.

TIMER OPERATION

Using the timer

Set the first wake-up time, second wake-up time, and function to be used. The operation will start with the selected function at the wake-up time. The sound will be gradually increased from a no-sound level to the current volume setting (fade-in).

The power will be switched off automatically after 1 hour.

The timer will function every day unless it is released.

Note:

Make absolutely sure that the clock is set to the correct time before setting the timer.

Example:

To set first wake-up time AM 7:30 and second wake-up time PM 1:30.

1. Press the TIMER/CLOCK button to display "1⊕". The previous first wake-up time setting appears.



2. Press the TIMER/CLOCK button for at least 2 seconds. "1⊕" and "hour" display blink.



3. Press the ◀◀ or ▶▶ button to set the "hour" display.



4. Press the MEMORY button. "1⊕" and "minute" display blink.

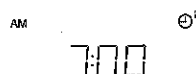


5. Repeat steps 3 and 4 to set minute. The minute is set. The function display and "1⊕" blink.
6. Press the FUNCTION button to select the desired function (BUZZER, CD, TUNER or TAPE).
 - If "BUZZER" is selected, jump to the step 9.
7. Press the MEMORY button. The function is selected. "1⊕" and the volume level blink.
8. Turn the - VOL + control to set the desired volume level.
9. Press the MEMORY button. The volume level and first wake-up timer are set.



To continue to set the second wake-up timer.

10. Press the TIMER/CLOCK button to display "⊕²".



11. Repeat steps 2 - 9 to set the second wake-up time.
12. Press the ⏻/ON button to turn the power off. The present time display remains.

13. Press the TIMER/CLOCK button repeatedly to select the desired wake-up timer.

1⊕: First wake-up timer.

⊕²: Second wake-up timer.

1⊕²: Both first and second wake-up timers.

Notes:

- When the first wake-up time and second wake-up time arrives, the power is turned on automatically and the unit starts playing with the preset function selected. After 1 hour, the power is turned off automatically.
- If no disc is loaded, CD mode will jump to BUZZER mode.
- If TAPE is selected, press the ▶ button after step 13.
- If the ⏻/ON button is pressed during timer operation, the power is turned off and the timer is set to the standby mode.

NOTE:

The BUZZER sound level, is the constant level not concerned with volume level.

To check the timer settings

Turn on the power, then press the TIMER/CLOCK button repeatedly. The timer setting are displayed in the following order.

- present time
- 1⊕ time
- ⊕² time
- 1⊕² appears and Original display returns.
- 1⊕² disappears

To change the timer settings

1. Press the TIMER/CLOCK button to select the setting to be changed.
2. Press the TIMER/CLOCK button for at least 2 seconds, so that the display blinks.
3. Change the setting as explained above.

To cancel the wake-up times

1. Press the ⏻/ON button to turn the power off.
2. Press the TIMER/CLOCK button repeatedly until "1⊕" and "⊕²" and "1⊕²" disappear from the display. The first wake-up time and the second wake-up time will not function.

Using the snooze timer

When the power is turned on at the timer ON time, the sound will be gradually turned up to the position previously set with the VOLUME control.

You can turn off the sound temporarily by pressing the SNOOZE/DISPLAY button. "SNOOZE" blinks.

The sound will stop for approximately 9 minutes but will start again and this will be repeated.

Using the sleep timer (Remote control only)

The sleep timer automatically switches off the power after a preset time has elapsed. The volume will gradually be reduced (fade-out) during the 1-minute period before the unit turns off. There are 9 time periods available: 90, 80, 70, 60, 50, 40, 30, 20 and 10 minutes.

Press and hold down the SLEEP button to select the desired sleep time. "SLEEP" blinks and the selected time appears on the display. After several seconds, the original display returns, "SLEEP" remains lit.

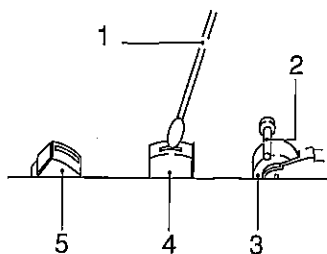
To release the sleep timer while in operation

Press the SLEEP button, "SLEEP" disappears from the display. The timer is also released if the power is switched off.

MAINTENANCE

Cleaning the tape heads

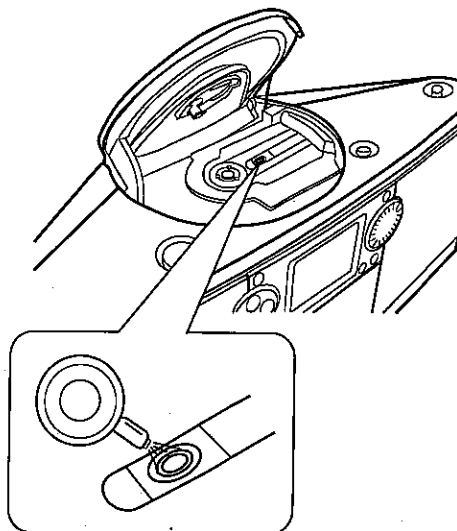
To ensure continued high performance, use cotton swab to clean the heads, pinch roller and capstan of the deck after about every 10 hours of use. If the dirt persists, soak the swab in a little methylated spirit or head cleaning fluid and then clean.



1. Cotton swab
2. Capstan
3. Pinch roller
- 4, 5. Head

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.)



Cleaning the unit

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



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 - 1611 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:

2.5 W/ch (at 8 ohms, 10% distortion)

Speakers:

10 cm x 2

Terminal:

PHONES: 32 ohms

Power source:

AC: 230 ~ 240 V, 50 Hz

Dimensions:

402 (W) x 191 (H) x 170 (D) mm

Weight:

Approx: 3.2kg

Specifications subject to change without notice.

The SANYO logo consists of the word "SANYO" in a bold, sans-serif font. The letter "Y" is stylized with three vertical lines of varying heights passing through it, creating a distinctive graphic element.