

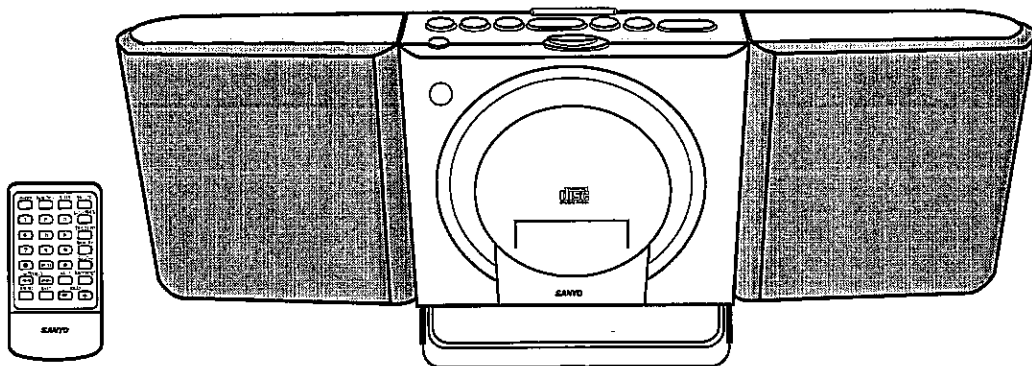
# SANYO

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**INSTRUCTIONS MANUAL**

**DTA-120**

**Audio System**



# PRECAUTIONS

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.

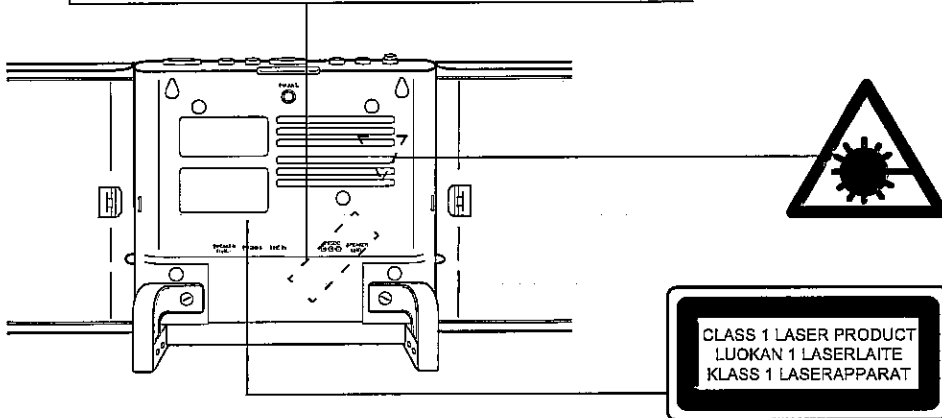
VARNING – OSYNLIG LASER STRÅLNING NÅR DENNA DEL ÄR ÖPPNAD OCH SPÄRR ÄR URKOPPLAD. STRÅLEN ÄR FARLIG.

VORSICHT – UNSICHTBARE LASERSTRAHLUNG TRITTS AUS, WENN DECKEL GEÖFFNET UND WENN SICHERHEITVERRIEGELUNG ÜBERBRÜCKT IST. NICHT, DEM STRAHL AUSSETZEN.

VARO – AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.

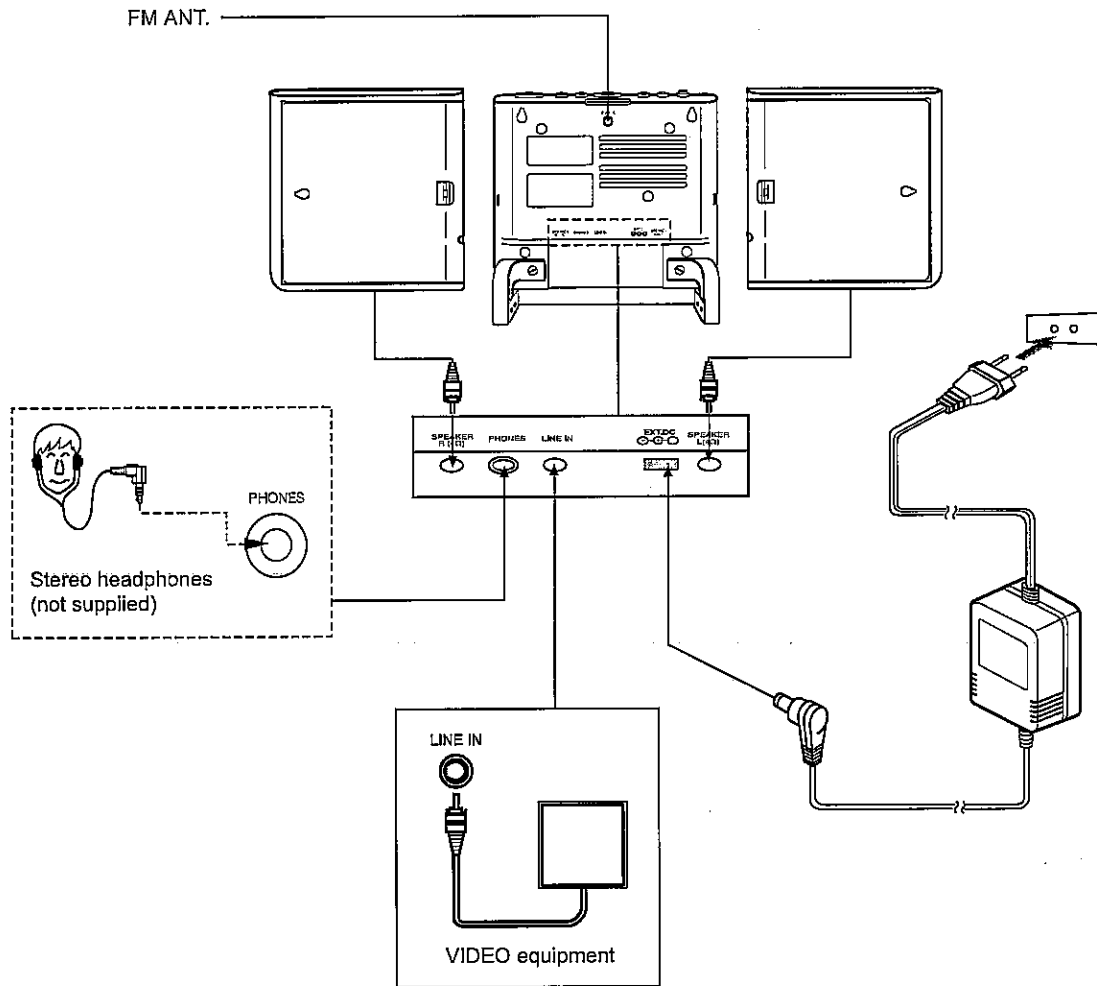
CAUTION – USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED IN THE OPERATING INSTRUCTIONS MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

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 object filled with liquids, such as vase, shall be placed on the apparatus.

# CONNECTIONS



**Note:**

- Do not connect the AC adaptor to an AC outlet until all connections have been made.

**POWER SUPPLY**

Plug one end of the AC adaptor into the EXT. DC socket, then plug the other end into an AC outlet.

- Use only the supplied AC adaptor.
- The system is not completely disconnected from the mains when the power button is set to the  $\phi$  position.

**Video equipment**

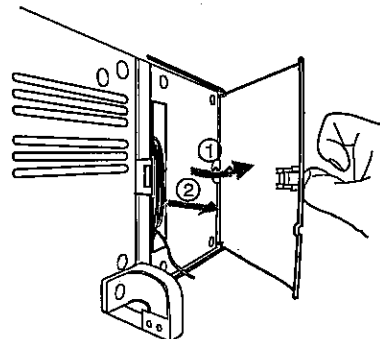
Connect audio leads (not supplied) from an audio output sockets of a video equipment to the LINE IN sockets.

**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.

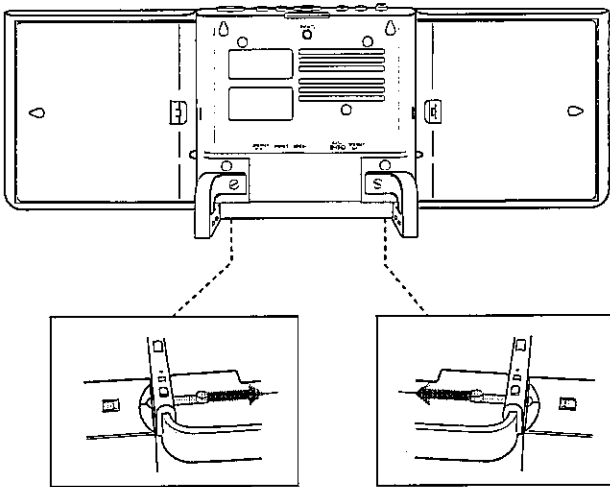
**Speaker**

Connect the speaker wire to the speaks "L" and "R" socket. You can open the back door of the speakers and pull the speakers wire out to make a preparation for detach them.

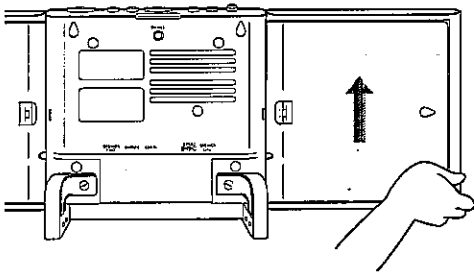


### Detach the speakers

1. Push the left and right slide slices (at the bottom) towards the unit.

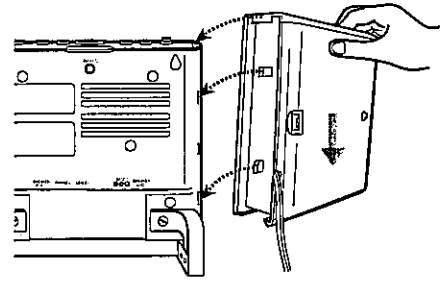


2. Pull the speakers upwards to separate from the main unit.

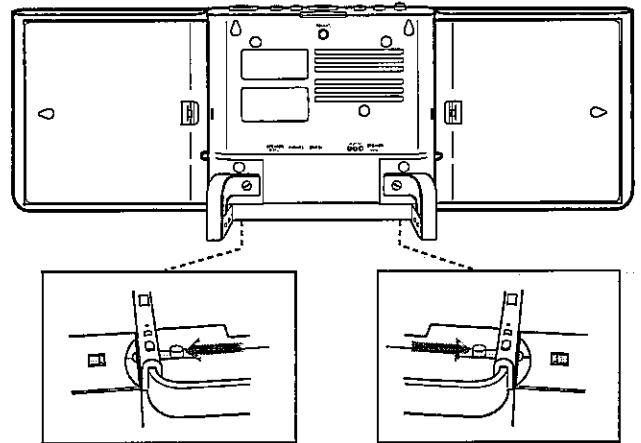


### Attach the speakers

1. Put the speakers downwards to mount at the side of the main unit.



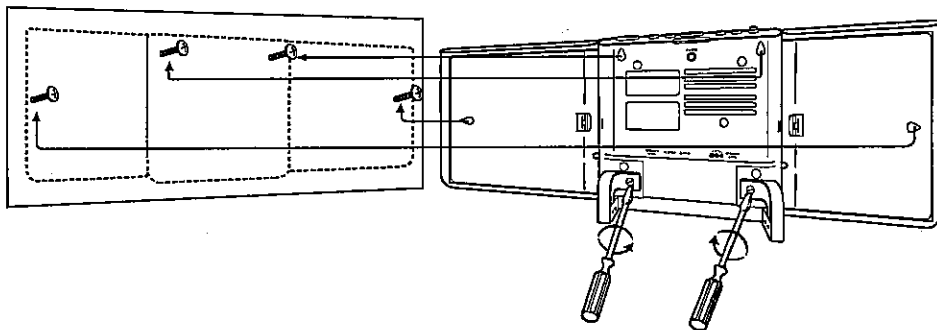
2. Push the slide slices to the speakers.



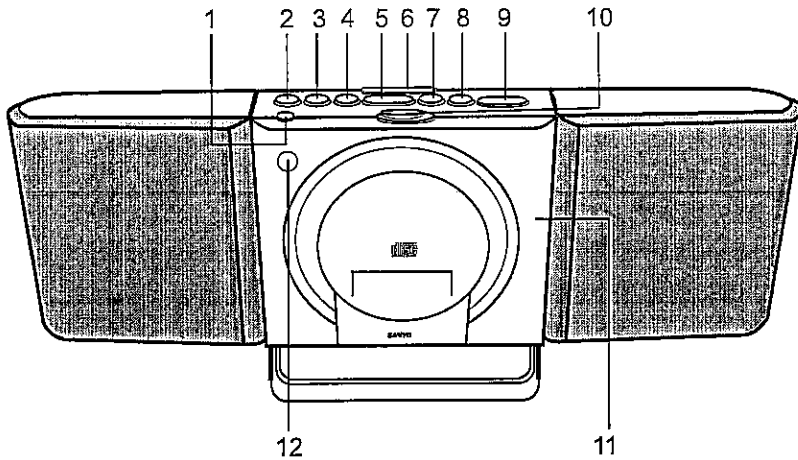
### To hang the speakers and/or main unit on the wall

You can hang up the speaker and/or main unit through the water-drop style holes at the back of the unit (speakers) on the wall where there was proper nails or hooks.

- For a perfect amount effect, you had better detach the sustain foot of the unit first.

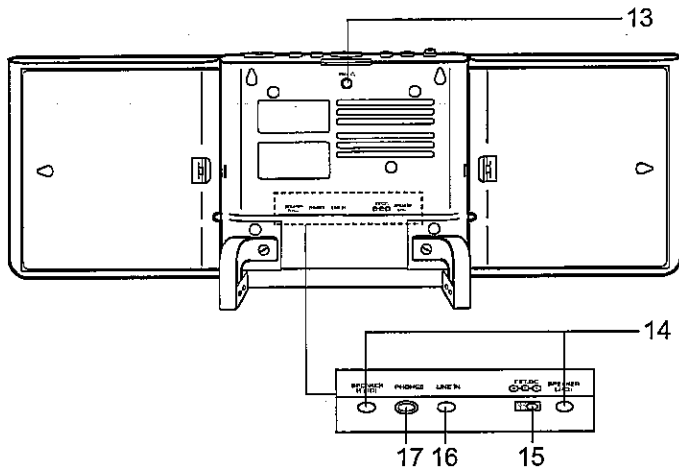


# CONTROLS



## Top panel and front cover

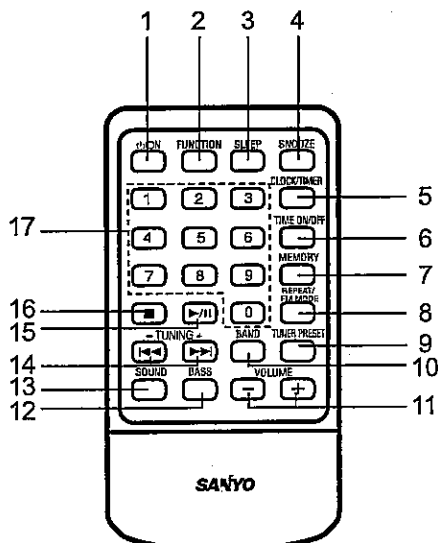
1. Power button (⏻)
2. Function button (FUNCTION)
3. Clock/Timer button (CLOCK/TIMER)
4. Memory button (MEMORY)
5. Skip/Search/Tuning button (⏮/SKIP/⏭, - TUNING +)
6. Snooze button (SNOOZE)
7. Stop button (■)
8. Play/Pause button (▶/⏸)
9. Volume button (- VOLUME +)
10. CD Compartment open button (OPEN ▶)
11. CD compartment door
12. Remote sensor



## Rear of the unit

13. FM antenna (FM ANT.)
14. Speaker sockets (SPEAKER)
15. External DC socket (EXT.DC)
16. Line in socket (LINE IN)
17. Headphones socket (PHONES)

# REMOTE CONTROL



## Controls

1. Power button (⏻/ON)
2. Function button (FUNCTION)
3. Sleep button (SLEEP)
4. Snooze button (SNOOZE)
5. Clock/Timer button (CLOCK/TIMER)
6. Time ON/OFF button (TIME ON/OFF)
7. Memory button (MEMORY)
8. Repeat/FM mode button (REPEAT/FM MODE)
9. Tuner preset button (TUNER PRESET)
10. Band button (BAND)
11. Volume button (- VOLUME +)
12. BASS expander button (BASS)
13. Sound preset button (SOUND)
14. Skip/Search/Tuning buttons (⏮, ⏭, - TUNING +)
15. Play/Pause button (▶/⏸)
16. Stop button (■)
17. Number buttons (1-9, 0)

### Number buttons (1-9, 0)

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.

Example:

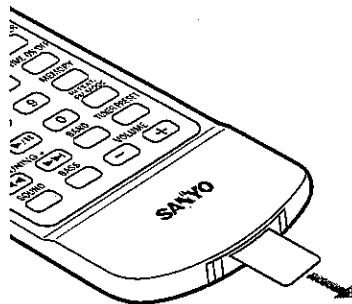
To select No. 3, press 3.

To select No. 10, press 1, then 0.

To select No. 25, press 2, then 5.

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

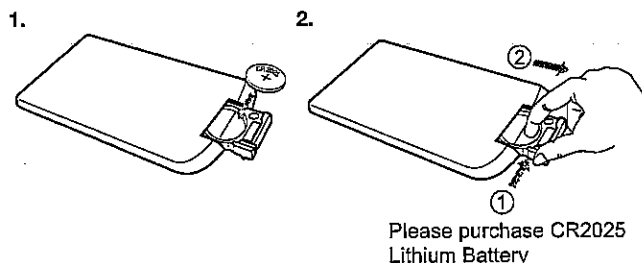
Pull the plastic sheet. The remote control can be used from now.



Note:

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

### Replacing the battery



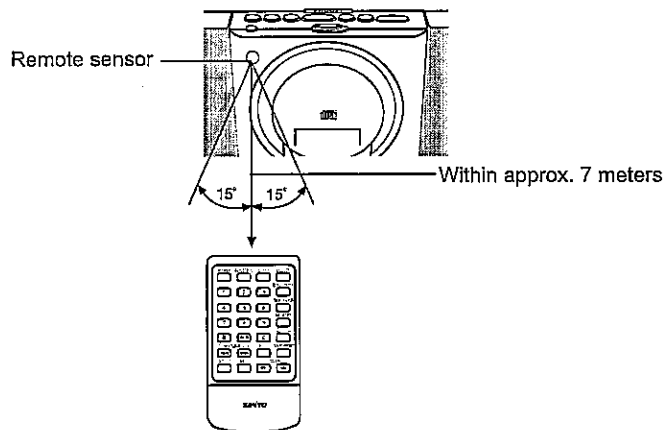
### CAUTION:

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

Note:

Always remove battery if the remote control is not to be used for a month or more. Battery left in the unit may leak and cause damage.

### Remote control range (Fig. 8)



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

## ADJUSTING THE CLOCK

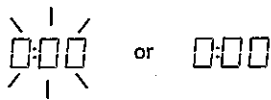
NOTE:

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

The clock can be set either in power on or power off mode.

Example: To set "6:30"

1. Press the CLOCK/TIMER button, the clock display appears.



- In the power off mode, the clock display appears automatically, this step can be omitted.

2. Press the MEMORY button for at least 1 second. The hours display blinks.



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



4. Press the MEMORY button. 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 MEMORY button when a time signal is heard.

- To display the clock during operation, press the CLOCK/TIMER button briefly. After a few seconds, the original display returns.

- If a power failure occurs or the main lead is disconnected, the clock display blinks. Reset the clock again.

# 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. The clock display remains lit.

- When the AC adaptor is plugged into the AC outlet, the unit will respond to commands from the remote control.

## Selecting the function

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

CD  $\rightarrow$  FM  $\rightarrow$  AM  $\rightarrow$  LINE  $\rightarrow$  CD  $\rightarrow$  ...

The function is automatically selected when CD play is started or when the BAND button has been pressed.

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

## Adjusting the volume

Press + or - VOLUME button. The volume level appears by numbers (VOL 00 ~ VOL 24) on the display.

## Bass expander system

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

## Selecting the sound mode

Press the SOUND 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:

ROCK: Rock music, etc.

JAZZ: Jazz, etc.

POP: Pops, etc.

CLAS: Classical music, etc.

## WHAT TO DO IF ...

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

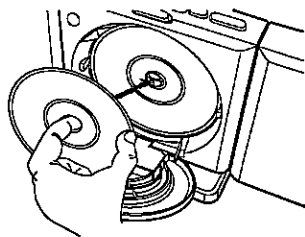
1. Unplug the AC adaptor.
2. While press the  $\odot$  button on the main unit, plug the AC adaptor at the same time.

# CD PLAY



Use compact discs bearing the symbol as shown. In addition to conventional 12 cm CDs, this system can be used to play 8 cm CDs with an adaptor.

1. Press the FUNCTION button to select "CD" function. "Cd" appears on the display, then "Cd" is replaced by "dISC nO".
2. Slide the OPEN  $\blacktriangleright$  button on the main unit to the right, then CD compartment is opened. "OPEN" appears.
3. Place the disc with the label facing toward you on the disc turntable. (Place only one disc at a time.)

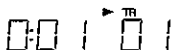


4. Press the CD compartment door (PUSH CLOSE section) to close it. The total number of tracks and total playing time on the disc appears.

### Note:

If the disc is loaded with the label facing backward you, or if a badly scratched disc is loaded. "dISC" appears. If this occurs, load the disc correctly or replace the damaged disc.

5. Press the  $\blacktriangleright$ /|| 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 n 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 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.

## To start play from the desired track

Select the track by using the  $\blacktriangleright$ | or  $\blacktriangleleft$  button, then press the  $\blacktriangleright$ /|| button.

## Temporarily stopping play

Press the  $\blacktriangleright$ /|| button. Elapsed playing time blinks on the display. To resume play, press the button again.

## Skip play

To skip to track 6 while track 3 is playing, press the  $\blacktriangleright$ | 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.

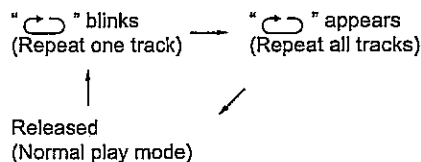
## Search (forward/reverse)

If the  $\blacktriangleright$ | 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.

## Repeat play (Remote control only)

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

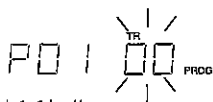
Each time the REPEAT/FM MODE button is pressed, the repeat mode changes as shown below:



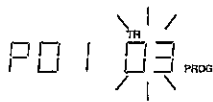
## PROGRAMMED PLAY

- 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.

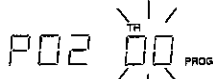
1. Press the MEMORY button.



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

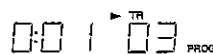


3. Press the MEMORY button.



4. Repeat steps 2 - 3 to programme additional tracks.

5. Press the ►/II button to start programmed play. When all programmed tracks have played, the first programmed track will appear and "PROG" will blink.



- The programme contents are retained in memory.

- The programme 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 THE RADIO

### Automatic/Manual tuning

1. Press the the BAND button on the remote control to select FM or AM.
  - The frequency appears on the display.

#### 2. Automatic tuning

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

103.25 MHz

### To preset stations

Up to 20 stations for FM band, 12 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.

103.25 MHz CH 01

3. Press the ◀◀ or ►► or number buttons on the remote control, to select the channel number to be preset.

103.25 MHz CH 09

4. Press the MEMORY button.

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

103.25 MHz CH 09

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 the BAND button on the remote control to select FM or AM.
2. Press the TUNER PRESET button on the remote control to select the desired channel number.

### To receive FM stereo broadcasts

#### (Remote control only)

"ST" appears when an FM stereo broadcast is received in the stereo reception mode. If not, press the REPEAT/FM MODE button to turn the "ST" indication on.

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

#### To improve reception

**FM** - Extend the FM aerial wire as straight as possible and, while listening to the sound from the system, secure it in a position where the best FM reception is found.

**AM** - Rotate unit.



# TIMER OPERATION

## Using the timer

Set the on and off times, and function to be used. Operation will start with the selected function at the on 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 at the time. The timer will function every day unless it is released.

1. Press the CLOCK/TIMER button.  
The preset timer on time appears.

ON 0:00

2. Press the MEMORY button. The hour section of previous timer ON time blinks.

ON 0:00

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

ON 7:00

4. Press the MEMORY button, "minute" section display.

ON 7:00

5. Press the ◀◀ or ▶▶ button to set "minute"

ON 7:30

6. Press the MEMORY button. Preset function appears.

ON Cd

7. Press the FUNCTION button to set the desired function.  
Following functions can be selected:

ON Cd → ON TU → ON buzz

8. Press the MEMORY button, the volume level blinks on the display.

ON VOL 10

9. Press the - VOLUME + button to set the desired volume level.  
Example:

VOL 14

10. Press the MEMORY button. The hours section of previous timer OFF time appears.

OFF 0:00

11. Repeat step 2 - 5 above. This completes the setting of the OFF time. "ON OFF" and original display appears.

ON OFF Cd

When the timer ON time arrives, the power is turned on automatically and the unit starts playing with the preset function selected.

- When the timer OFF time arrive, the power turn off and the timer is set to the standby mode. Timer operation repeat this cycle every day.

### To check the timer settings

Press the CLOCK/TIMER button repeatedly. The timer setting are displayed in the following order.

- Timer on time
- Timer off time
- Present time

### To change the timer settings

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

### To release the timer (Remote control only)

Press the TIME ON/OFF button to release the timer.

While "ON OFF" displays:

- Press the TIME ON/OFF button once, the timer on timer released.
- Press the TIME ON/OFF button again, the timer off timer is released.

### To set the timer again with the same settings.

Press the TIME ON/OFF button repeatedly to display "ON OFF".

Note:

The timer operation is released if a power failure occurs.

## 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 button. The power turns off and "SNOOZE" appears.

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

## Using the sleep timer

This 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 status available: OFF, 80, 70, 60, 50, 40, 30, 20 and 10 minutes.

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

### To release the sleep timer while in operation

Press the SLEEP button.

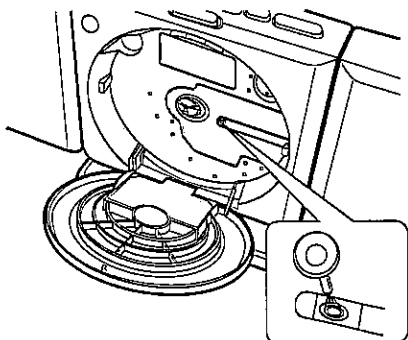
OFF SLEEP

After "OFF" blinks for several seconds, "SLEEP" disappears from the display. The timer is also released if the power is switch off.

## MAINTENANCE

### 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

### Tuner

#### Reception frequency:

FM: 87.5 - 108 MHz (50 kHz step)

AM: 522 - 1611 kHz (9 kHz step)

### CD player

#### Channels:

2-channel stereo

#### Sampling frequency:

44.1 kHz

#### Pick-up:

Optical 3-beam semiconductor laser

#### Laser output:

0.6 mW (Continuous wave max.)

#### Wave length:

790 nm

#### Wow/flutter:

Below measurable limits

### General

#### Output power:

AC: 3W/ch

#### Power consumption: 10W

#### Outputs:

SPEAKERS: 4 ohms

PHONES: 32 ohms

#### Power requirements:

AC adaptor: INPUT 230 - 240V, 50Hz

OUTPUT 12V

RATED CURRENT 1500 mA

#### Dimensions:

462(W) 170(H) x 100(D) mm

#### Weight:

1.8 kg

Specifications subject to change without notice.



**SANYO**

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SANYO Electric Co., Ltd.  
Printed in China