

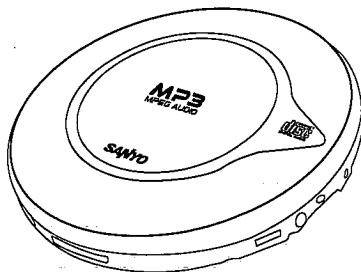
# SANYO

---

**INSTRUCTION MANUAL**

**CDP-M430**

**Compact Disc Player with  
MP3 Decoder**

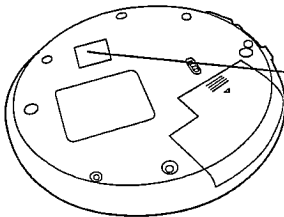


# PRECAUTIONS

## CAUTION

USE OF CONTROLS OR ADJUSTMENT OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

THIS COMPACT DISC PLAYER SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT QUALIFIED SERVICE PERSONNEL.



CLASS 1 LASER PRODUCT  
LUOKAN 1 LASERLAITE  
KLASS 1 LASERAPPARAT



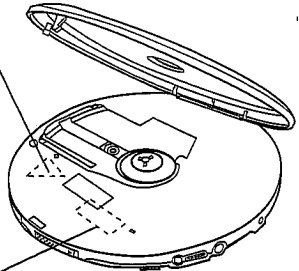
CAUTION - INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.

ADVARSEL - USYNLIG LASER STRÅLING VED ÅBNING, NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION, UNDGÅ UDSÆTTELSE FOR STRÅLING.

VARNING - OSYNLIG LASER STRÅLNING NÅR DENNA DEL ÅR ÖPPNAD OCH SPÄRR ÅR URKOPPLAD. STRÅLEN ÅR FARLIG.

VORSICHT - UNSICHTBARE LASERSTRALUNG TRITT AUS, WENN DECKEL GEÖFFNET UND WENN SICHERHEITSVERRIEGELUNG ÜBERBRÜCKT IST. NICHT, DEM STRAHL AUSSETZEN.

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

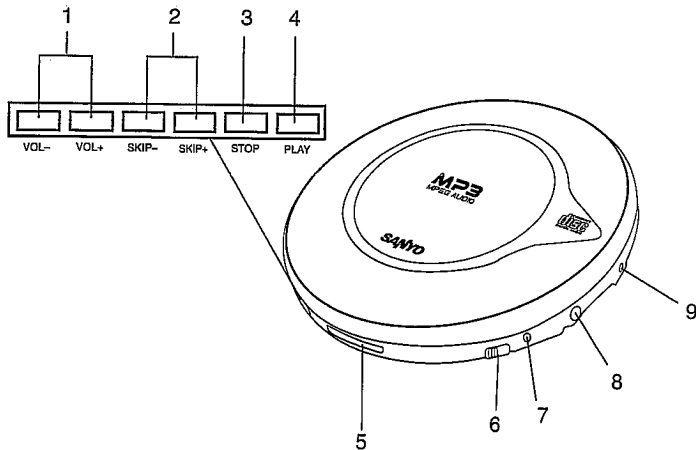


- High volume levels can create potentially dangerous situations by drowning out surrounding sounds. Use caution when driving while operating the unit, and obey all applicable laws. Do not play your headset at a high volume level. Hearing experts advise against continuous extended play. If you experience a ringing in your ears, reduce the volume or discontinue use.
- No objects filled with liquids, such as vases, shall be placed on the apparatus.
- Do not use while bicycling, running or operating a motorized vehicle.
- The rating label is located on the bottom of the unit.
- 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).
- 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 insert pins, etc., inside the unit.

This unit is equipped with a safety device which automatically turns the laser beam off when the disc compartment is opened. If a pin or other metal object should get inside the unit, however, this safety device may be deactivated.

# CONTROLS

1. Volume control buttons (VOL-, VOL+)
2. Skip/Search buttons (SKIP-, SKIP+)
3. Stop button (STOP)
4. Play button (PLAY)
5. Open switch (OPEN)
6. Bass expander switch (DBBS)
7. Headphones socket (📻)
8. Line output socket (LINE OUT)
9. External DC socket (DC 4.5V)



# POWER SUPPLY

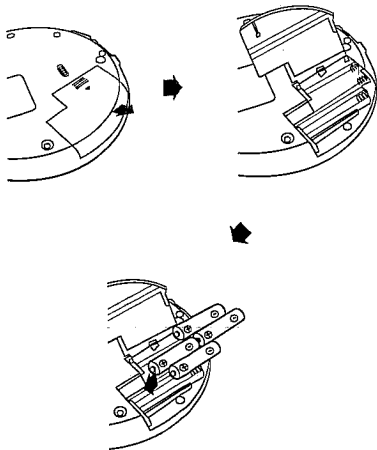
## AC adaptor

Plug one end of the AC adaptor into the DC 4.5V socket, then plug the other end into an AC 230 ~240V, 50Hz wall outlet.

- Use only the supplied AC adaptor
- If the AC adaptor is connected. The power supply automatically switches to the AC power source and the installed batteries are disconnected.

## Alkaline batteries

Insert four "AAA" batteries (not supplied) as shown below. Be sure to observe the proper polarity



## Notes on alkaline batteries

- When replacing the batteries, use four new batteries of the same type. Do not mix the used batteries with the new ones or mix different types of batteries.
- Never charge, heat, disassemble, or throw batteries into a fire.
- When the batteries have become discharged, they must be disposed of in a safe manner that complies with all applicable laws.

## Battery replacement

If the batteries are weak, "□" appears on the display. Replace the batteries.

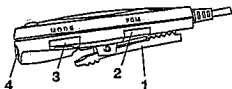
### Note:

When you are not going to use the unit for one month or more, take the batteries out of the battery compartment.

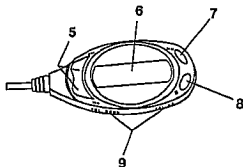
# REMOTE CONTROL

The buttons on the remote control function in the same way as the corresponding buttons on the unit.

1. Clip
2. Programme button (PGM)
3. Mode button (MODE)



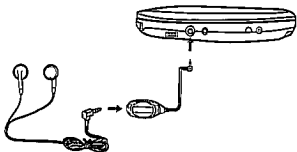
4. Headphones socket (🔊)
5. Skip/Search buttons (⏮, ⏭)
6. Display
7. Play/Pause button (▶||)
8. Stop button (■)
9. Volum buttons (VOL. DOWN, VOL. UP)



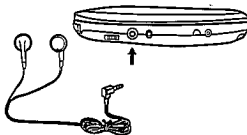
# CONNECTIONS

- Be sure to reduce the volume before connecting or disconnecting the headphones.

Connect the remote control and headphones, then plug the cord from the remote control to the 🔊 socket of the main unit.



If you don't want to use the remote control connect the headphones to the 🔊 socket of the main unit directly.



## HANDLING COMPACT DISCS

---

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



- 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 center 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.

The unit will not play a disc that has been inserted upside down, or discs which do not conform to the Compact Disc standard.

# INFORMATION

This unit can play back the CD-R/RW that has recorded music data or MP3 files.

Before playing back Music CD or MP3 CD, please read the following.

- MP3 CD is the disc that standardized by ISO9660, its file name must include 3-digits extension letters, "mp3".
- The directory and file names of the MP3 CD must be corresponded to the ISO standardized files.
- Single-session disc can be played back.
- Some multi-session discs and mixed discs cannot be played back depending on the recording condition.
- This unit can recognize up to 99 folders or 300 files per disc.  
The CD with 100 folders or 301 files and over is not available to this unit. And if CD has a long file name, this unit can't recognize up to 300 files.

- This unit can recognize up to 8 directory trees per disc.
- MP3 CD may not be played in the recorded order.
- Music section in "CD Extra" can be played back, not Data section.
- Music files recorded by "Packet Writing" cannot be played back.

## Notes on disc writing method

When you make MP3 CD by using your PC, set 44.1 kHz of sampling frequency. There are three basic methods for writing to a CD: "Track-at-Once", "Disc-at-Once", and "Packet Writing".

Music files recorded by "Track-at-Once" or "Disc-at-Once" can be played back on this unit. (Note: The unit cannot play back the music files added with "Track-at-Once".)

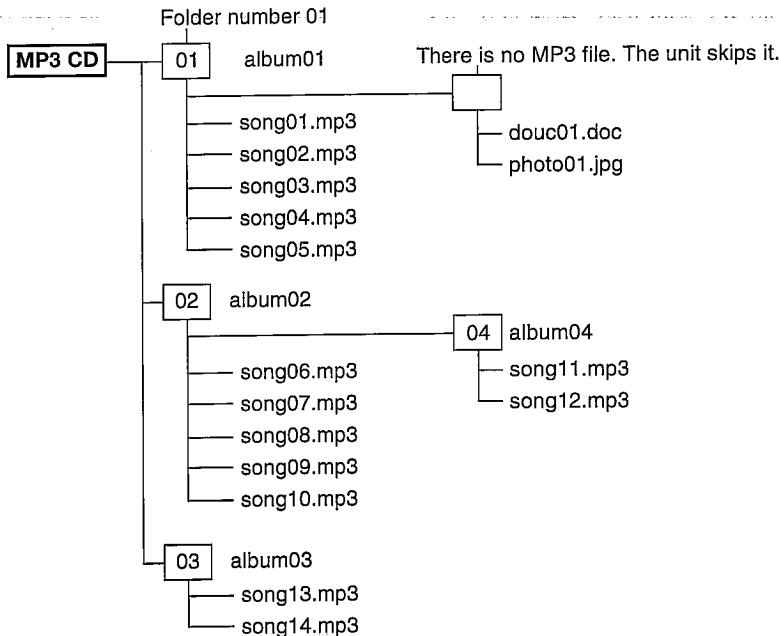
Music files recorded by "Packet Writing" cannot be played back.



## MP3 CD directory sample:

Playback order: song01  $\Leftrightarrow$  song02

$\Leftrightarrow$  ... song14



### CAUTION:

- Some MP3 CDs can not be played back depending on the recording conditions.

- The CD-R/RW that has no music data or non-MP3 files can not be played back.
- Do not make an empty folder. It may not work correctly.

## BEFORE OPERATION

Either the main unit or remote control can be operated. However, for convenience, this instruction manual explains operation using the remote control and its display.

### **Anti rolling shock function**

In the previous anti-shock function, when skips occurred while available memory runs out, then the sound would suffer some interruption.

The new anti rolling shock function is designed to prevent skipping to the greatest extent possible instead of supplementing the skipped portion of the sound.

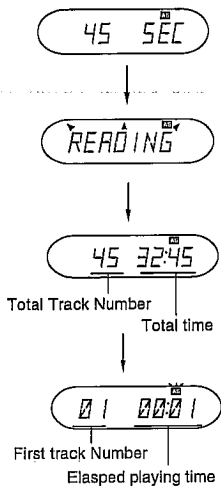
This is achieved by expanding the memory capacity, and in addition full attention has also been given to increasing the unit's signal reading capability.

Moreover, consideration has been given to eliminating the basic causes of skipping, both from the standpoint of horizontal shock and vertical shock.

Use this function when listening during walk or playing in a car.

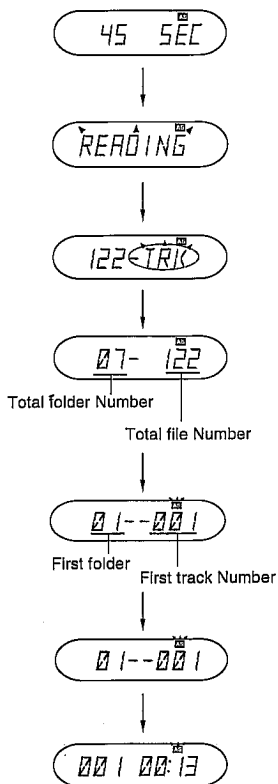
When the ► || button (or the PLAY button on the main unit) is pressed for the first time, the anti rolling shock function turns on automatically. "AS" appears on the remote control display as following.

For Music CD:



Note: "AS" remains standby when the buffer memory is full of next 45 seconds music data.

For MP3 CD:



Note: "AS" remains standby when the buffer memory is full of next 120 seconds music data.

### Dynamic bass boost system (DBBS) (Main unit only)

Set the DBBS switch to ON to enhance the bass sound.



### Auto power on function

The power turns on automatically when the ►|| button (or the PLAY button on the main unit) is pressed.

### Auto power off function

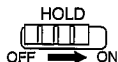
The power turns off automatically after about 60 seconds when all tracks on a disc have been played or when the ■ button (or the STOP button on the main unit) is pressed once to stop play.

### Hold function (Main unit only)

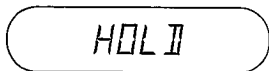
The HOLD switch (bottom of the unit) is able to prevent play from starting or stopping due to accidental operation. For normal use, leave the switch in the OFF position.

To prevent battery drain:

Set the HOLD switch to the ON position when carrying the unit in a bag. The ►|| button (or the PLAY button on the main unit) will not function even if the button is pressed accidentally. "HOLD" appears briefly on the display.



To prevent play from being interrupted: Set the HOLD switch to the ON position after starting play. "HOLD" appears.



### If the operating buttons do not function when pressed ...

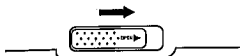
1. Check whether the HOLD switch is on or not.
2. Remove the batteries and/or disconnect the AC adaptor from the unit. Wait a few seconds, then reinstall the batteries or reconnect the AC adaptor.
3. If the buttons still do not function, insert new batteries.

# PLAYING A DISC

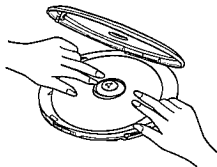
## BASIC OPERATION

### [MUSIC CD] [MP3 CD]

1. Slide the OPEN switch right to open the disc compartment lid.



2. Hold the disc with the labeled side up and press it onto the pivot until it "clicks" into place.



### WARNING!

Do not insert your fingers into the opened panel. You may damage the unit or cause personal injury.

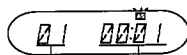
Do not allow young children to operate the unit unattended.

### To remove the disc

Remove the disc while pressing the pivot. Opening the disc compartment lid must be in stopped condition otherwise could scratch the disc.

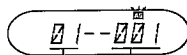
3. Close the disc compartment lid.
4. Press the ►|| button (or the PLAY button on the main unit) to begin play.

### For Music CD

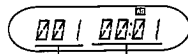


Track number Elapsed playing time

### For MP3 CD



Folder number  
File number

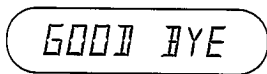


Track number  
Elapsed playing time

The track number and elapsed playing time for the current track are displayed.

- Press and hold the MODE button for at least 2 seconds, the music information ("Title", "Artist" and "Album") scroll on the display. To resume the original display press and hold the MODE button for at least 2 seconds again.
- 5. Press the volume control buttons on the remote control or on the main unit to select the desired volume level.
- 6. To stop play temporarily, press the ►|| button. For music CD: The elapsed playing time blinks. Press the ►|| button again to resume. For MP3 CD: The current playing track number blinks.
- 7. To stop play, press the ■ button (or the STOP button on the main unit) once. For Music CD, the total number of tracks and total playing time appears; For MP3 CD, the total folder number and total file number appears.

- To turn the power off, press the ■ button once again. "GOOD BYE" appears briefly.



### **Skip play**

To skip to track 6 while track 3 is playing, press the ►►| button (or the SKIP + button on the main unit) repeatedly until "06" appears on the display.

To skip back to track 3 while track 6 is playing, press the |◄◄ button (or the SKIP – button on the main unit) repeatedly until "03" appears.

### **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.

## VARIOUS PLAYING MODE

Press the MODE button repeatedly to select a play mode available. Each time the button is pressed, the mode changes as shown below:

Repeat one ( ) → Repeat album ( ) ALBUM → Repeat all ( ) ALL → Introscan (INTRO) → Random play (RANDOM) → Released

- During programmed play mode, "RANDOM" (random play) can not be selected.
- Repeat album only for MP3 CD play.
- In stop mode, once the desired play mode is displayed, press the ►|| button (or the PLAY button on the main unit) to begin play in that mode.

### REPEAT PLAY

You can play tracks repeatedly in normal or programmed play modes.

#### Single track repeat

Press the MODE button once, " " appears on the display.

#### All tracks repeat

Press the MODE button three times. " " ALL" appears.

- To cancel repeat play, press the MODE button repeatedly until " " or " " ALL" is disappeared.

#### Repeat album

Repeat all tracks in selected folder (MP3 CD only).

Press the MODE button twice, " " ALBUM" appears.

### INTROSCAN

1. Press the MODE button repeatedly till "INTRO" appears.
2. In stop mode, press the ►|| button (or the PLAY button on the main unit) to begin introscan play from the first track on the disc; in playing mode, the introscan play start play from the next file. The first 10 seconds of each track are played.
3. When the desired track is playing, press the MODE button twice. Normal play continues.

### RANDOM PLAY

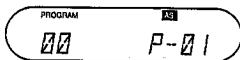
1. Press the MODE button repeatedly till "RANDOM" appears.
  2. In stop mode, press the ►|| button (or the PLAY button on the main unit) to begin random play; In playing mode, random play begin when current track is over. All tracks on the disc are played in random order.
- To cancel random play, press the MODE button once.

# PROGRAMMED PLAY

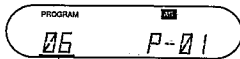
Up to 64 tracks on a disc can be programmed for play in any order.

## For Music CD

1. Press the PGM button during stop.

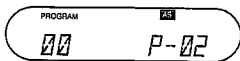


2. Press the skip buttons (◀◀ or ▶▶) to select a track.



Selected track No.

3. Press the PGM button.

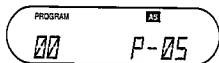


4. Repeat steps 2 and 3 to programme tracks.
5. To check the programme contents after all tracks have been programmed, press the PGM button repeatedly. The programmed track numbers sequentially appear on the display.
6. Press the ▶|| button to start programmed play.
  - To cancel programmed play, press the ■ button twice.

## Changing a programme

### To add a new track to a programme:

1. In stop mode, press the PGM button repeatedly till "00" appears on the remote control display.



2. Select a track by using the ◀◀ or ▶▶ button.
3. Press the PGM button.

### To change a track:

1. In stop mode, press the PGM button repeatedly until the track number to be replaced is displayed.
2. Select a track by using the ◀◀ or ▶▶ button.
3. Press the PGM button.

### Note:

- Programmed details cannot be partially deleted or inserted.
- The programmes will be lost after turn off the power or the disc compartment is opened.

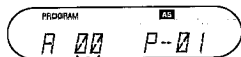
## Checking the programme

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

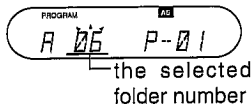


## For MP3 CD

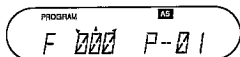
1. Press the PGM button during stop.  
The folder number selection blinks.



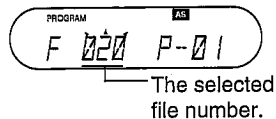
2. Press the ◀◀ or ▶▶ button to select a folder number.



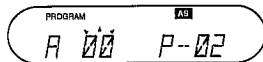
3. Press the PGM button. The file number blinks.



4. Press the ▶▶ or ◀◀ button to select the file number.

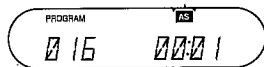
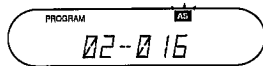


5. Press the PGM button.



In this example, the 20th file of folder 6 is programmed.

6. Repeat steps 2 ~ 5 to programme more tracks.
7. Press the ▶|| button to start programmed play.



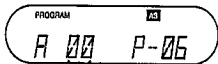
### Checking the programme

Each time the PGM button is pressed in stop mode, the programmed details sequentially (or in reverse sequence) appear on the display.

### Changing a programme

#### To add a new track to a programme:

1. In stop mode, press the PGM button repeatedly till "00" blinks in the folder section.



2. Select the folder number by pressing the |◀◀ or ▶▶| button then press the PGM button to confirm it.
3. Select the file number in the selected folder by pressing the |◀◀ or ▶▶| button. Then press the PGM button again.

### To change a track

1. In stop mode, press the PGM button repeatedly until the folder number and the track number to be replaced is displayed.
2. Select the folder number and track number as explained above.
3. Press the PGM button.

#### Note:

- Programmed details cannot be partially deleted or inserted.
- The programmes will be lost after turn off the power or the disc compartment is opened.

## USING THE LINE OUT SOCKET

---

### To record from the CD player

Connect the patch cable (not supplied) from the LINE OUT socket of the unit to the LINE INPUT sockets of a cassette recorder.

### To hear through a pair of speakers

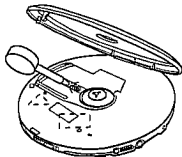
Connect the patch cable (not supplied) from the LINE OUT socket of the unit to the AUX or CD INPUT sockets on a stereo system.

## CLEANING

---

### Cleaning the pickup lens

Dust on the pickup lens can lead to erratic operation and interruption of the sound during play.



- To clean the pickup lens, open the disc compartment lid. Blow the dust off of the lens using a camera lens blower (available at most camera stores).
- Do not touch the surface of the lens.

### Cleaning the cabinet

Use a soft cloth moistened with plain lukewarm water and wrung dry. Never use benzol, benzene or other strong chemical cleaners.

# SPECIFICATIONS

---

Channels:

2 channels

S/N ratio:

60 dB

Wow and flutter:

undetectable

Sampling frequency:

44.1 kHz

Pickup light source:

Semiconductor laser

Pickup wave length:

790 nm

Laser output:

0.5 mW (continuous wave max.)

Terminal impedance:

PHONES: 16 - 32 ohms

Power source:

DC: 4.5V (AC adaptor)

AC adaptor: 230 ~ 240V

DC: 3V (R03/AAA x 4)

Dimensions:

ø139 x 20(H) mm

Weight: Approx.

160g (without batteries)

Specifications subject to change without notice.

(AU) 8052M430AU76-

**SANYO**

SANYO Electric Co., Ltd.

Printed in China