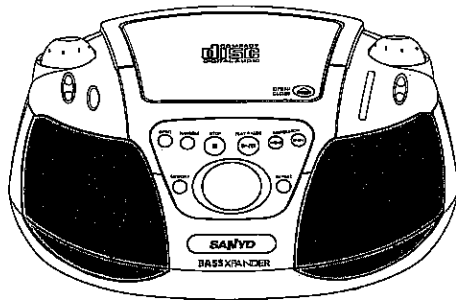


SANYO

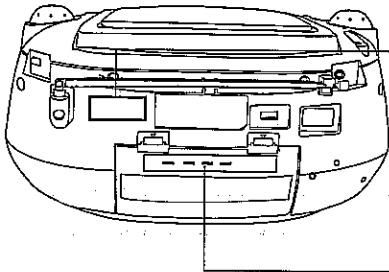
INSTRUCTION MANUAL

**MCD-XP400
MCD-XP401
MCD-XP402**

Portable CD Radio



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-UVSYNLIG LASER STRÅLING VED ÅBNING, NÅR SIKKERHEDSÅFBRYDERE 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 LASERSTRÄHLUNG TRITTS AUS, WENN DECKEL GEÖFFNET UND ENN SICHERHEITSVERRIEGELUNG ÜBERBRÜCKT IST. NICHT, DEM STRAHL AUSSETZEN.

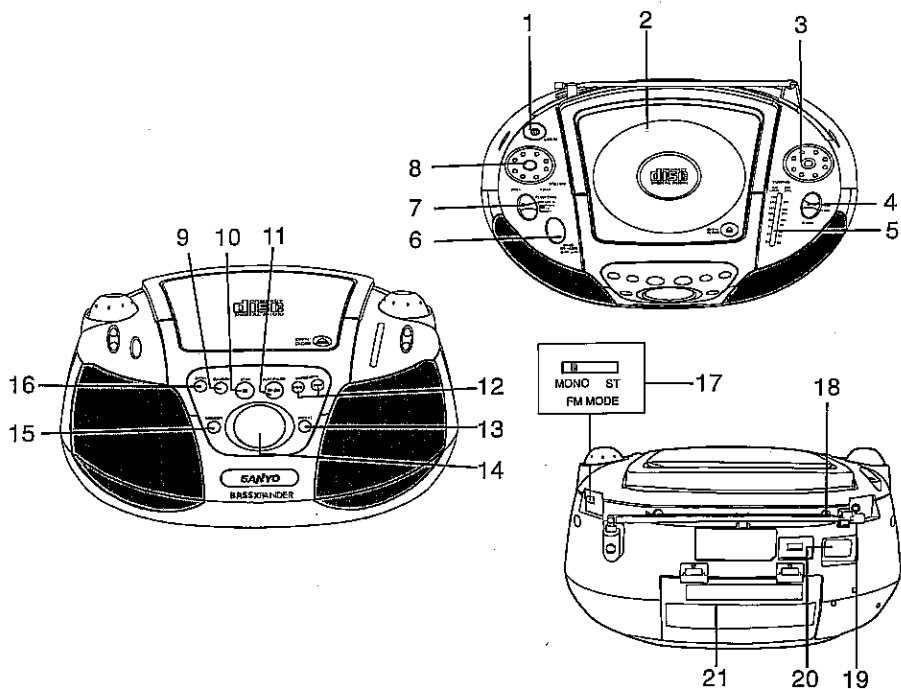
VARO I AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTIINA NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE. ÄÄ KATSO SÄTEESEEN.



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.
- No object filled with liquid, such as vase shall be placed on the apparatus.
- 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 change 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.
- Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
- To be completely disconnect the power input, the mains plug of apparatus shall be disconnected from the mains.
- 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.
- The mains plug of apparatus should not be obstructed OR should be easily accessed during intended use.
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains etc.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.
- Minimum distances around the apparatus for sufficient ventilation.
- Attention should be drawn to the environmental aspects of battery disposal.

CONTROLS



1. Line in socket (LINE IN)
2. CD Compartment Lid
3. Tuning control (TUNING)
4. Band select switch (BAND)
5. Frequency indicator
6. Bass expander button (BASSXPANDER)
7. Function switch
(LINE IN, RADIO, CD, OFF)
8. Volume control (VOLUME)
9. Random button (RANDOM)
10. Stop button (STOP ■)
11. Play/Pause button (PLAY/PAUSE ►/II)
12. Skip/Search button
(◀◀ SKIP/SEARCH ►►)

13. Repeat button (REPEAT)
14. Display
15. Memory button (MEMORY)
16. Introscan button (INTRO)
17. FM mode switch (FM MODE)
18. Telescopic aerial
19. Headphones socket (PHONES)
20. AC input socket (AC INPUT~)
21. Battery compartment lid

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 FUNCTION switch is mounted on the secondary side. The unit is not disconnected from mains, even switched off.

Battery power

Installing batteries

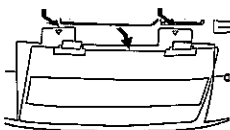
Install eight "C/R14" batteries (not supplied) as shown below.

Caution on batteries

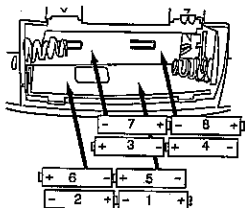
To prevent battery electrolyte leakage, which may result in injury and damage to the unit or other objects, observe the following precautions:

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.
6. Battery shall not be exposed to excessive heat such as sunshine, fire or the like.

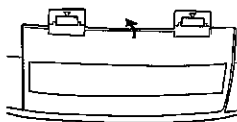
1.



2.



3.



GENERAL OPERATION

Adjusting the volume

Turn the VOLUME control.

Bass expander button

Press the BASSXPANDER button to **ON** to enhance the bass sound.

Headphones

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

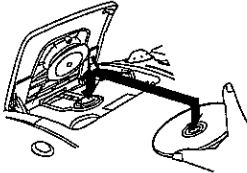
- Excessive sound pressure from earphones and headphones can cause hearing loss.

CD PLAY

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



1. Set the FUNCTION switch to CD.
2. Press the CD compartment lid (OPEN/ CLOSE portion) to open it. "-- --" appears on the display.
3. Place the disc with the label facing up on the turntable. (Place only one disc at a time.)



4. Press the CD compartment lid (OPEN/ CLOSE portion) to close it.
The total number of tracks on the disc and "cd" appear on the display.
5. Press the PLAY/PAUSE ►/|| button. Play starts from the first track. The current track number appears briefly then elapsed playing time are displayed.



- To start play from the desired track, select the track by using the ◀◀ or ▶▶ button, then press the PLAY/PAUSE ►/|| button.

Note:

If no disc is loaded or the disc is located with the label facing down "no cd" appears. If these occur, load the disc correctly or replace the damaged disc.

6. Press the STOP ■ button to end disc play back.
When the last track has been played, the player stops automatically.
7. To turn the CD player off, set the FUNCTION switch to OFF.

Note:

- Do not open the CD compartment during CD play. Always press the STOP ■ button and wait for the disc to stop rotating before opening the CD compartment.
- This unit can play back the CD-R/RW as well. However, some CD-R/RW can not be played back depending on the recording conditions.
- This unit can not playback MP3/WMA CD or Video CD.

Notes on handling compact discs

- Do not expose the disc to direct sunlight, high humidity or high temperature 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.

Temporarily stopping play

Press the PLAY/PAUSE ►/|| button, ►" 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 ▶▶ button repeatedly until "06" appears on the display. To skip back to track 3 while track 6 is playing, press the ◀◀ button 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.

Repeat play mode

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

"REPEAT 1" appears (Repeat one track) → "REPEAT" appears (Repeat all tracks)

Released (Normal play)

Random play

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. Press the RANDOM button again to cancel "Random play".

- Random play will not function during programmed playback.

Introsan play

Press the INTRO button, the "INTRO" appears on the display and the first 10 seconds of each track are played automatically. When the desired track is playing, press the INTRO button again. Normal play continues.

PROGRAMMED PLAY

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

- To begin the programming procedure, set function switch to "CD" 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 STOP ■ button if necessary.
2. Press the MEMORY button, the "01" appears and "00" and "MEMORY" blink.



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



4. Press the MEMORY button.
5. Repeat steps 3 - 4 to programme additional tracks.
6. Press the PLAY/PAUSE ▶/|| button to start playback. The first programmed track number appears briefly then elapsed time are displayed. "MEMORY" remains lit.



When all programmed tracks have been played, the player stops automatically.

- The programme contents are retained in memory.
- Any attempt to programme more than 20 tracks will result in discontinuous of the programming and first programmed number appears.
- To cancel programmed play, press the STOP ■ button twice during play.

Checking the programme

In stop mode when MEMORY remains lit press the MEMORY button repeatedly, 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 last programme number is displayed.
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 programme number to be replaced is displayed.
2. Select a track as explained above.
3. Press the MEMORY button.

Note:

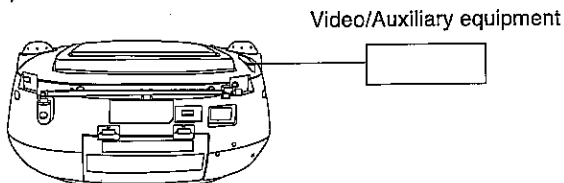
Programmed details cannot be partially deleted or inserted.

WHAT TO DO IF...

If an abnormal display indication or an operating problem occurs, disconnect the mains lead and remove all batteries. Wait at least 5 seconds then reconnect the mains lead and reinstall the batteries. Resume the operation.

LISTENING TO OTHER SOURCES

1. Connect the audio cable (not supplied) from the audio output socket of a video/auxiliary equipment to the LINE IN socket. (Stereo Mini Plug: $\phi 3.5$)
2. Set the FUNCTION switch to LINE IN.
3. Follow the instructions supplied with the other equipment.



LISTENING TO THE RADIO

1. Set the FUNCTION switch to RADIO.
2. Select the desired radio band with the BAND switch.
3. Tune in a desired station by turning the TUNING control.
4. To turn the radio off, set the FUNCTION switch to OFF or CD or LINE IN.

To receive FM stereo broadcasts

Set the FM MODE switch (the rear of the unit) to ST.

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

To improve reception

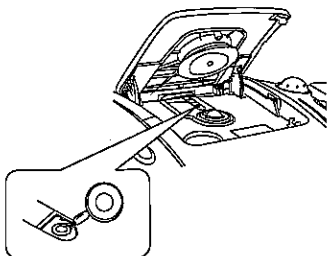
FM: Pull out the telescopic aerial and adjust its position.

AM: Rotate the unit.

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, thinners, or alcohol for they may 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: 526.5 - 1606.5 KHz

General

Output power:

1 W/ch (DC max.)

1 W/ch (AC max.)

Speakers:

10 cm x 2, 8 ohms

Terminals:

PHONES: 32 ohms

Power source:

AC: 230 - 240V, 50Hz

DC: 12V, 8 "C/R14" batteries

Dimensions:

298 (W) x 159 (H) x 241 (D) mm

Weight:

Approx. 1.9 kg (not including batteries)

Specifications subject to change without notice.

SANYO

SANYO Electric Co., Ltd.
Printed in China