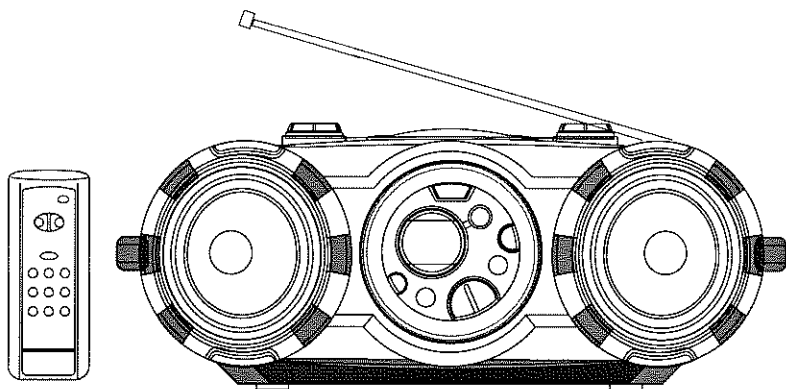


SANYO

INSTRUCTION MANUAL

MCD-XP250 (AU)

Portable CD/Radio Audio System



ENGLISH

P.1-19

PRECAUTIONS

- 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 and do not close to CRT of color TV.
- Do not install this equipment in a confined space, such as a book case or built in cabinet.
- Please use the original CD software, and any copy discs are not recommended for use.
- Do not attempt to clean this unit with chemical solvents as this might damage the finish. Use a clean dry cloth.
- Before turning on the power make certain that the connecting cords and power cord are properly installed.
- When moving the set, be sure to first disconnect the power cord and remove cords connected to other equipment.

PREPARATION FOR USE

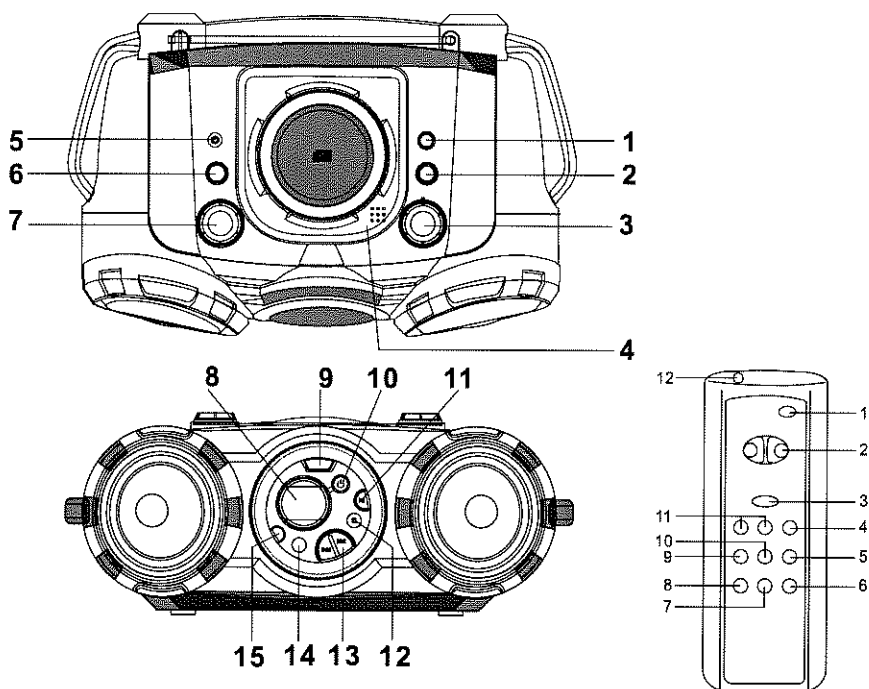
Unpacking and Set-up

- Carefully remove the unit from the gift box and remove all packing material from the unit.
- Remove any labels or stickers which may be on the front or top of the set, but do not remove any labels from the back or bottom.
- We suggest that you retain the original packing materials in case it ever becomes necessary to return your unit for service. This is the only sure way to protect the unit from damage in transit.

Power Source

This system is designed to operate on AC ~ 240V/50Hz AC house current. Connecting this system to any other power supply could result in damage to the unit.

LOCATION OF CONTROLS AND INDICATORS



Main Unit

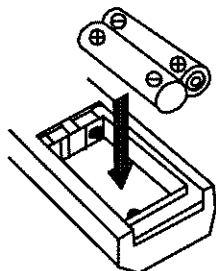
1. Random Button
2. Mute Button
3. CD/Tuner Button
4. Push/Open Button
5. Headphone Jack
6. EQ Button
7. Volume Knob
8. LCD Display
9. Remote Sensor
10. Power Button
11. Play/Pause Button
12. Stop/Band Button
13. Skip Forward/Backward Buttons
14. Repeat Button
15. PGM./MEM./CLOCK Button

Remote Control

1. POWER Button
2. VOLUME +/- Button
3. Play/Pause Button
4. Stop/Band Button
5. Random Button
6. Mute Button
7. Timer Button
8. CD/Tuner Button
9. Repeat/M-up Button
10. Memory/Clock Button
11. SKIP Forward/Backward Buttons
12. Remote Transmitter

BATTERY INSTALLATION

- 1.) Open the battery compartment cover.
- 2.) Insert two "AAA" (UM4) batteries (not included) to match the polarities as indicated inside the battery compartment.
- 3.) Close the cover.



NOTE: When the batteries become too weak, the operating distance of the remote controller is greatly reduced and you will need to replace the batteries.

USING THE REMOTE CONTROLLER

Point the remote controller at the Remote Sensor.

The functions of the buttons on the remote control are the same as the corresponding controls on the main unit.

When there is a strong ambient light source, the performance of the infrared Remote Sensor may be degraded, causing unreliable operation.

The maximum effective distance for remote control operation is about 15 feet.

BATTERY PRECAUTIONS

Follow these precautions when using batteries in this device:

1. Use only the size and type of batteries specified.
2. Be sure to follow the correct polarity when installing the batteries as indicated in the battery compartment. Reversed batteries may cause damage to the device.
3. Do not mix different types of batteries together (e.g. Alkaline and Carbon-Zinc) or old batteries with fresh ones.
4. If the device is not to be used for a long period of time, remove the batteries to prevent damage or injury from possible battery leakage.
5. Do not try to recharge batteries not intended to be recharged; they can overheat and rupture. (Follow battery manufacturer's directions.)

USING ON BATTERIES

Open the lid of the battery compartment on the bottom and insert eight (LR14) batteries, not supplied, with the + and - marks correctly aligned, then close the lid. To switch from AC power supply to battery power supply, disconnect the AC cord from the AC outlet.

The batteries need to be replaced when:

The volume decreases, or sound is distorted during operation.

NOTES ON BATTERIES:

- Do not mix different types of batteries or old batteries with new ones.
- Never recharge the batteries, apply heat to them or take them apart.
- Remove dead batteries.

If liquid leaks from the batteries, wipe thoroughly to remove.

OPERATING INSTRUCTIONS

Make sure that you have installed batteries in the remote control. Make sure that the AC power cord is connected to an outlet that is always "live". Do not connect to an outlet that is controlled by a wall switch.

GENERAL CONTROLS

Volume Adjustments

Adjust the VOLUME knob on the top panel or the Volume button on the remote control to increase or decrease the volume. The volume level indicator appears in the main display. The range is from 00 db (Minimum) to 30 db (Maximum). The system remembers the volume level when the power is switched Off and returns to the same level when the power is switched On again.

EQ

Pressing the EQ button on the top panel repeatedly to cycle through the following equalization modes, and the PRESET EQ indicator will be lighting corresponding.



MUTE Button

To temporarily shut off the sound from the speakers, press the MUTE button. The MUTE indicator will appear in the display and the sound will stop. Press the MUTE button again to cancel Mute and restore the sound. The MUTE indicator will disappear from the display.

Phone Jack

For private listening without disturbing others, connect a set of stereo headphones (not included) to the PHONES Jack on the rear panel. The speakers are automatically shut off when stereo headphones, are connected to the headphone jack. When using stereo headphones always start with the volume control set to a low level and gradually increase until you find the desired level.

SETTING THE CLOCK

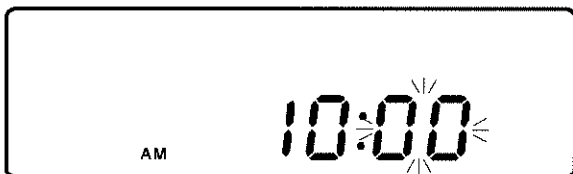
- 1.) Switch the unit to Standby mode by pressing the POWER button.
- 2.) Press and hold the MEMORY/CLOCK button on the remote. "24H" (24 Hour format) will flash in the display. Press the ◀◀ or ▶▶ button to select "12 H" (12 Hour format).



- 3.) Press the MEMORY/CLOCK button on the remote. The hour digits will flash. Press the ◀◀ or ▶▶ buttons to set the hour. The AM/PM indication will be changed automatically according to the hour setting.



- 4.) Press the MEMORY/CLOCK button on the remote again. The Hour is now set and the Minute digits will start to flash in the display.



- 5.) Press the ◀◀ or ▶▶ buttons to set the minutes.
- 6.) Press the MEMORY/CLOCK button on the remote again. The Minutes are now set and the clock will start counting.

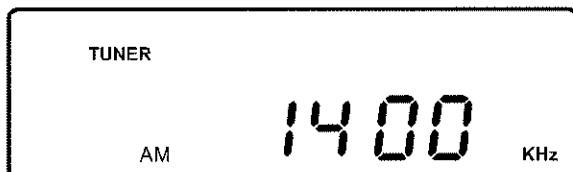
NOTE:

Clock time is only retained while the unit is plugged into the AC outlet. In the event of a power failure, the clock will need to be reset when the power resumes.

Clock time is only shown when unit is in Standby mode.

LISTENING TO THE RADIO

- 1.) Press the POWER button on the main unit or the remote control. The main display will light up with information.
- 2.) If necessary, tuning the CD/TUNER knob on the top panel of main unit or the CD/TUNER button on remote control to select the Tuner function. The display will show an AM or FM station frequency. To select a different band, press the STOP/BAND button.



- 3.) Tune to the desired frequency as follows:

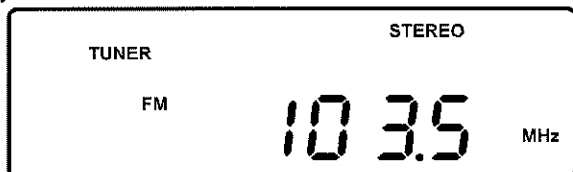
Manual Tuning

Repeatedly press the ►► or ◄◄ buttons until the frequency of the desired station appears on the display.

Automatic Tuning

Press and hold the ►► or ◄◄ buttons until the display begins to move, then release the buttons. The tuner will search for the next available station and stop on that station. Repeat this procedure until the tuner stops on your desired station.

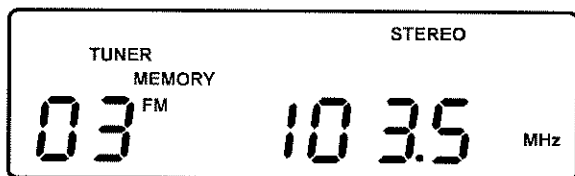
- 4.) If you have tuned to a FM Stereo station, the STEREO indicator will appear in the display.



- 5.) When you are finished listening, press the POWER button on the main unit or remote control to return to the Standby (Power Off) mode.

RECALLING PRESET STATIONS

Turn the unit on and select the desired band. Press the MEM-UP/REPEAT button on the front panel or the remote control repeatedly to scroll through the preset memories until the display shows the desired station.



CHANGING PRESET STATIONS

To change any preset station memory, select the desired band and tune to the new station you wish to store. Press the MEMORY button and then press the MEM-UP/REPEAT button to display the memory number you wish to change. Press the MEMORY button again to enter the new station in the memory. The new station is stored and the previous station is deleted from the memory.

Antenna

For FM and AM reception there is built-in one-meter FM Antenna wire at the rear of the unit.

For best FM reception, extend the telescopic aerial located at the back of the unit. Move it around until you get the best reception.

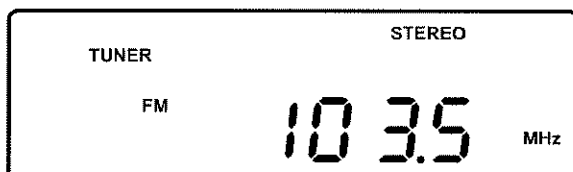
There is a built in ferrite aerial for AM signal. Move or rotate the unit to obtain the best medium wave reception.

PRE-SETTING STATIONS IN THE TUNER MEMORY

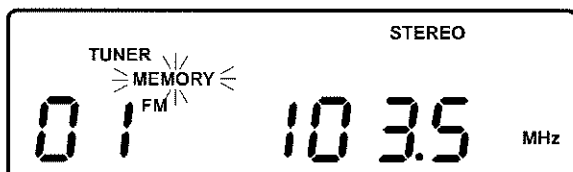
You can store total 20 preset stations in the memory. You can store up to 10 FM stations and 10 AM stations in the tuner memory for immediate recall.

To store available stations in memory:

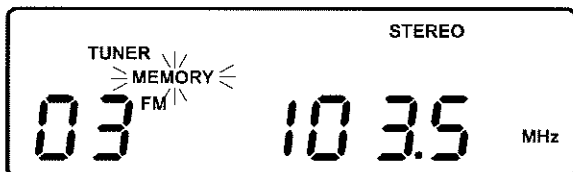
- 1.) Follow step 3 under LISTENING TO THE RADIO in page 9 to select the first station you wish to store. Example: FM 103.5 MHz.



- 2.) When the desired station appears on the display, press the MEMORY/CLOCK button on the Unit or the remote control. The Channel "01" indicator appears and the "MEMORY" indicator flashes in the display.



- 3.) Press the REPEAT/M-UP button on the front panel or remote control to select a preset channel number. (Example: Preset channel 03.)

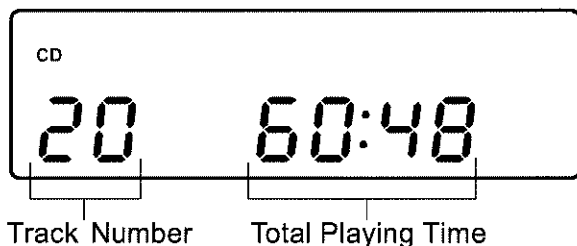


- 4.) Press the PGM./MEM./CLOCK button on the front panel or MEMORY/CLOCK Button the remote control once more to enter the station in preset memory number 03.
- 5.) Repeat steps 1 through 4, selecting a different preset number in Step 3 each time until you have entered up to 10 FM stations in the tuner memory.
- 6.) Press the STOP/BAND button to select the AM band and follow the same procedure to enter up to 10 AM stations in the tuner memory.

PLAYING COMPACT DISCS

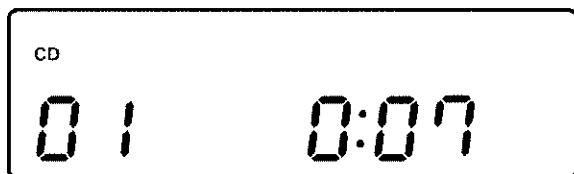
IMPORTANT: This CD player can play normal CDs plus CD Recordable (CD-R) and CD Rewriteable (CD-RW) discs. However, the playability of CD-R and CD-RW discs may be affected by the type of software that was used in 'ripping' the tracks from the original discs and 'burning' the tracks onto the blank media. Playability may also be affected by the quality and condition of the blank media you use for recording. 100% compatibility cannot be guaranteed. This is not an indication of any problems with your player.

- 1.) Press the POWER button to turn the system 'On'.
- 2.) Turn the CD/TUNING knob on the top panel of the main unit or the CD/TUNER button on the remote controls to operate the CD unit.
- 3.) Insert a CD and close the disc compartment. The main display will show "----". If you have not already done so, remove the dummy CD from the player and discard it.
- 4.) Place a CD properly seated on the center spindle with the printed label side facing upward. Gently press down on the disc near the center to make sure that it is properly seated on the spindle.
- 5.) Close the CD door. The disc will spin and '00 00:00' will flash in the display as the player reads the table of contents on the disc. Within a few seconds the disc will stop spinning and the display will show the total playing time and total tracks on the disc.



Note: If the disc is inserted upside down or if the disc is badly scratched and unreadable, playback will not be possible. In this case the main display will show "no DISC". Remove the disc and re-insert it properly or try another disc.

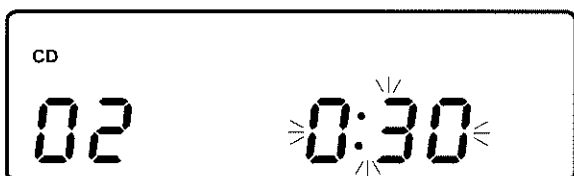
- 6.) Press the PLAY/PAUSE button on the front panel of the main unit or on the remote control to begin playback on track 1. The display will show the elapsed playing time of each track as it plays.



- 7.) Adjust the VOLUME controls as desired.
- 8.) When the last track is played, the player stops automatically and the display again shows the total playing time and tracks on the disc. You may also stop playback at any time by pressing the STOP/BAND button on the front panel of the main unit or on the remote control.
- 9.) When you are finished listening, press the PUSH/OPEN button to open the CD door and remove the disc.
- 10.) Press the POWER button to return the system to the Standby (Power Off) mode.

Pause Control

To temporarily pause during CD playback, press the PLAY/PAUSE button on the front panel of the main unit or the remote control again. The sound stops and the elapsed time display flashes but the disc continues to spin. Press the PLAY/PAUSE button once more to cancel Pause mode and resume playback. The elapsed time display stops flashing.



Skip/Search(▶▶/◀◀) Controls

To skip to higher or lower numbered tracks during playback, repeatedly press the ▶▶ or ◀◀ buttons until the desired track number appears in the display. Playback will begin on the desired track.

To perform high speed search within a track to locate a specific musical passage, depress and hold the ▶▶ or ◀◀ button. The player will move rapidly forward or backward as long as the buttons are depressed. When you hear the desired passage, release the buttons. Normal playback will resume at that point.

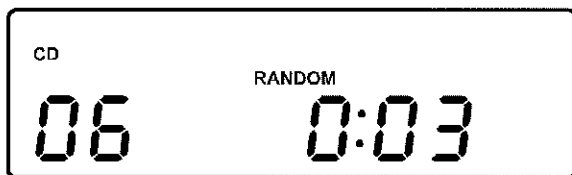
To Start Playback On A Specific Track

Load the disc as usual and wait until the total playing time and track numbers appear on the display. Press the ▶▶ or ◀◀ button until the desired track number appears in the display, then press the PLAY/PAUSE button to begin playback on that track.

RANDOM Playback

This feature allows you to play all the tracks on a disc in random order.

Load the disc as usual and wait until the display shows the total playing time and number of tracks. Press the RANDOM button. The RANDOM indicator appears in the display. The tracks will be played in random order. After all tracks have played, the player stops and the display again shows the total playing time and number of tracks.



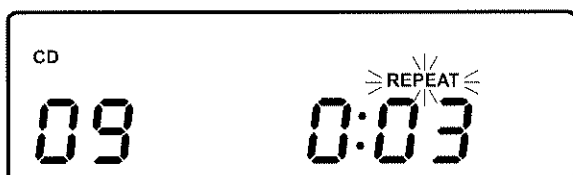
To cancel the Random mode, press the RANDOM button until the RANDOM indicator disappears. Random mode can also be cancelled by pressing the STOP/BAND button.

REPEAT Playback

You can program the player to continuously repeat a single track or the entire disc. The Repeat function can be activated while a disc is playing or while the disc is stopped.

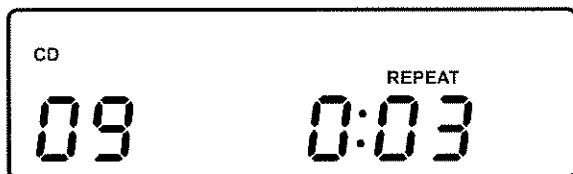
One Track Repeat

Press the **▶▶** or **◀◀** button until the desired track number appears in the display. Then press the **REPEAT** button once. The **REPEAT** indicator flashes in the display. Press the **PLAY/PAUSE** button to begin playback on that track. The selected track will be repeated continuously.



All Tracks Repeat

Load the disc as usual and wait until the total playing time and track numbers appear on the display. Press the **REPEAT** button twice. The **REPEAT** indicator remains "on". Press the **PLAY/PAUSE** button to begin playback. The entire disc will be repeated continuously.



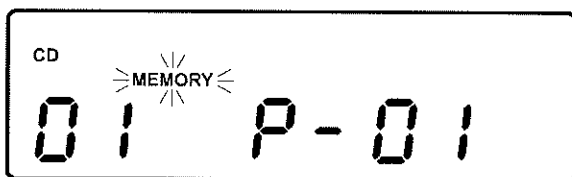
To cancel Repeat Playback continue pressing the **REPEAT** button until the **REPEAT** indicator disappears. Repeat is also canceled by opening the CD Door or switching to Tuner function.

Programmed Playback

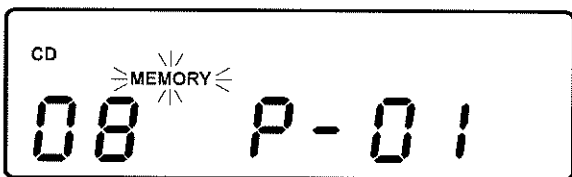
You can program up to 20 tracks on a disc to play back in any desired order. You may also program a specific track to play several times.

Note: The player cannot be programmed while a disc is playing. If a disc is playing press the STOP/BAND button to stop playback before you begin the programming steps below.

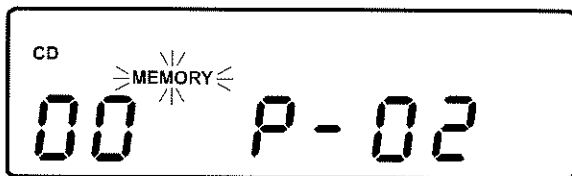
- 1.) Press the FUNCTION button on the remote control or CD button on front panel to select CD mode. Insert your disc in the player, close the door, and wait until the total track number appears in the display.
- 2.) Press the MEMORY button once. The MEMORY Indicator flashes and program memory "P-01", Track 01 appears in the display.



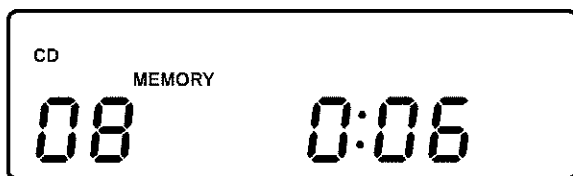
- 3.) Use the ►► or ◀◀ buttons to select the first track to be programmed.
(Example: Track 08).



- 4.) When track number "08" appears in the display, press the MEMORY button once again to enter the track "08" in program memory number "01". The track number returns to "00" and the program memory advances to "P-02" indicating that you may now select a track to be entered in program memory number "02".



- 5.) Use the ►► or ◀◀ buttons to select the next track to be programmed. When the desired track number appears in the display, press the MEMORY button again to enter that track in the program memory.
- 6.) Repeat Step 4 and 5 until you have entered up to 20 tracks in the program memory.
- 7.) To begin programmed playback, press the PLAY/PAUSE button. The display will show the first programmed track and playback will begin on that track. The MEMORY indicator stops flashing and remains in the display.

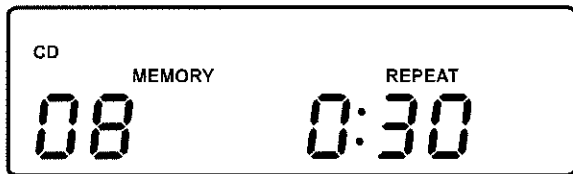


After the last programmed track has played, the player stops but the programmed tracks remain in the memory. To play the programmed tracks again, press the MEMORY button and then the PLAY/PAUSE button.

To cancel the programmed sequence from memory, press the STOP/BAND button at programming mode or open the CD door.

Program Repeat Playback

You can use the Program and Repeat features together to continuously repeat a programmed sequence of the tracks. First, program the desired tracks according to Steps 1 through 7 on the previous page. When Programmed Playback begins press the MEM-UP/REPEAT button twice to activate the "All Tracks Repeat" feature. The REPEAT Indicator appears in LCD display and all the tracks in your programmed sequence will be repeated continuously.



To cancel Programmed Repeat Playback, press the STOP/BAND button until both the MEMORY and REPEAT Indicators disappear.

TIMER Function (Remote Control Only)

This system includes a programmable Timer function that will turn the system 'On'. You can use the timer to wake you up to the radio or to your favorite CD. The timer can be programmed while the system is in the Standby (Power Off) mode, the Tuner mode or the CD mode.

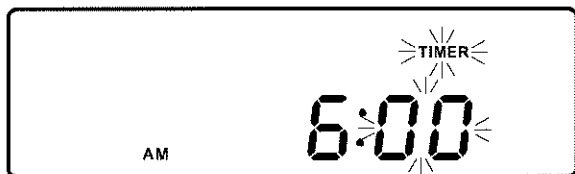
Note: You can set the turn-on time only in the standby mode.

To Set The Turn On Time

- 1.) Press the TIMER button (on the remote control) once. The "AM 12:00" appears and the TIMER indicator begins flashing in the display. Then press the MEMORY/CLOCK button for at least 3 seconds. The Hour digits begin to flash.

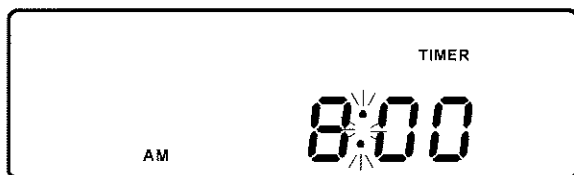


- 2.) Press the ►► or ◀◀ button on the front panel of the main unit or the remote control to set the display to the desired turn-on hour AM or PM.
- 3.) Press the MEMORY/CLOCK button on the remote control. The Minute digits begin flashing.

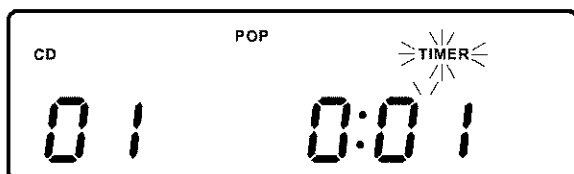


- 4.) Press the ►► and ◀◀ buttons on the front panel of the main unit or the remote control to set the display to the desired turn-on minute.

- 5.) Press the MEMORY/CLOCK button once more to enter the turn-on time in the memory. After a few seconds, the TIMER display stops flashing and remains on and the display returns to the correct time, the Tuner display, or the CD display.



- 6.) At the selected 'On' time, the system will turn 'on' automatically to the last function selected, either Tuner or CD.



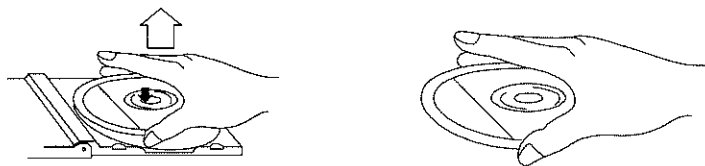
NOTE: If the system turns on to CD function it will only play until the end of the disc and then stop.

- As long as the TIMER indicator remains in the display the timer will turn the system on every day at the same time.
- To deactivate the timer, press the TIMER button (on the remote control) once. The TIMER indicator disappears.
- To reactivate the timer, press the TIMER button (on the remote control) once until the TIMER indicator reappears in the display.

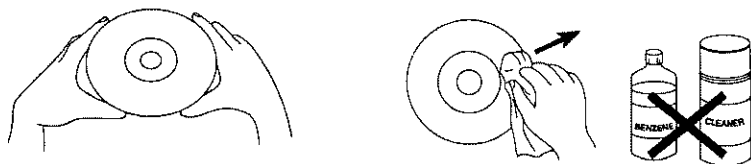
CARE AND MAINTENANCE

COMPACT DISC CARE

- To remove a disc from its storage case, press down on the centre of the case and lift the disc out, holding it carefully by the edges.



- Fingerprints and dust should be carefully wiped off the disc's recorded surface with a soft cloth. Unlike conventional records, compact discs have no grooves to collect dust and microscopic debris, so gently wiping with a soft cloth should remove most particles. Wipe in a straight line from the inside to the outside of the disc. Small dust particles and light stains will have absolutely no effect on reproduction quality.
- Clean the disc periodically with a soft, lint-free, dry cloth. Never use detergents or abrasive cleaners to clean the disc. If necessary, use a CD cleaning kit.
- Never write on or affix labels to the surface of compact discs.



CARE OF THE CABINETS

- If the cabinets become dusty wipe them with a soft dry dust cloth. Do not use any wax or polish sprays on the cabinets.
- If the front panel becomes dirty or smudged with fingerprints it may be cleaned with a soft cloth slightly dampened with a mild soap and water solution. Never use abrasive cloths or polishes as these will mar the finish of your unit.

CAUTION

Never allow any water or other liquids to get inside the unit while cleaning.

SAFETY INSTRUCTIONS

Caution

This appliance uses laser.

The operation adjustment or control instructions specified herein should be followed, otherwise you may be exposed to laser beam.

The user should not attempt to remove the cover to do servicing by himself. Refer servicing to qualified service personnel.

Caution

This appliance uses invisible laser beam, exposure beam may be harmful to health. Be sure to adhere to the instruction and operate the appliance correctly.

Warning

To avoid the risk of fire or electric shock, do not expose this appliance to rain or moisture.

To avoid the risk of fire or electric shock and annoying interference. Please use only accessories recommended herein.

For the sake of your life

Never remove the cover.

To avoid the risk of electric shock, do not remove cover. No user serviceable parts inside Refer servicing to qualified service personnel.



The manufacturer reserves the right to make design and specification changes for further improvement.

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

SPECIFICATIONS

Tuner

Reception frequency:

FM: 87.5 - 108 MHz

AM: 522 - 1620 kHz

CD player

Channels:

2-channel stereo

Sampling frequency:

44.1 kHz

Pick-up:

Optical 3-beam semiconductor laser

Laser output:

0.6 mW (Radiant power output)

Wave length:

790 nm

Wow/flutter:

Below measurable limits

General

Output power:

80W (PMPO)

Outputs:

SPEAKER: 4 ohms

PHONES: 8 - 32 ohms

Power requirements:

AC 240V ~ 50 Hz

DC 12V (LR14 x 8 or Equivalent)

Power consumption:

20 W

Dimensions:

435(W) x 170(H) x 273(D) mm

Weight:

Approx. 3.75 kg

Specifications subject to change without notice.

The SANYO logo is rendered in a bold, black, sans-serif font. The letter 'Y' is stylized with several vertical lines of varying lengths passing through it, creating a distinctive graphic element.

SANYO Electric Co., Ltd.
MADE IN CHINA