THOMSON
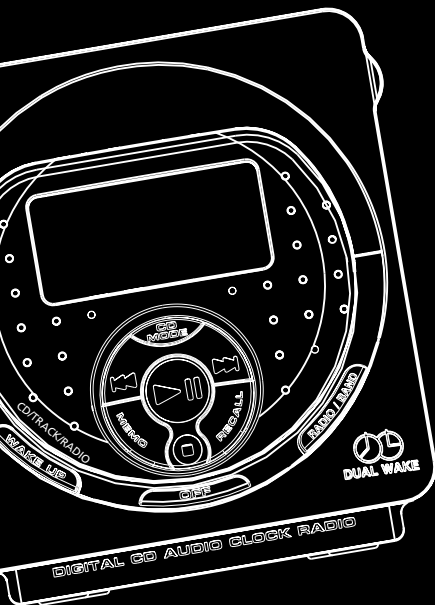
RR540CD

It is important to read this instruction book prior to using your new product for the first time.

Main Connections (For UK only)

CAUTION:
For UK Only
CONNECT THE MAIN LEAD INTO AC MAINS POWER SOCKET

POWER SUPPLY 230V. It must not be connected to D.C. mains.

Note: The mains lead of the set is fitted with a moulded plug. If the mains socket are not compatible or if for any reason the plug is removed please follow the directions below. The moulded plug cannot be rewired and if removed must be disposed of safely.

DO NOT under any circumstances plug the severed plug into any mains socket as this could result in electric shock.

Important: If the plug is removed, rewire the new plug as follow:

The wires in the mains plug are coloured in accordance to the following code:

BLUE = NEUTRAL & BROWN = LIVE

If the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

BLUE wire to the terminal coded N (Neutral) or coloured black.

BROWN wire to the terminal coded L (Live) or coloured red.

<u>DO NOT</u> make any connection to the terminal in the plug which is marked by the letter E or by the earth symbol $\perp$ or coloured green or green and yellow.

A fused plug must be fitted with a 3A fuse approved by ASTA or BS1362 and fuse covers must be always be securely replaced. If your set does not work, the fuse may be blown.
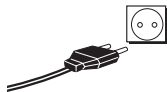
Connect the power cord into a mains power socket

230V ~50Hz

3A ◄

BLUE   BROWN
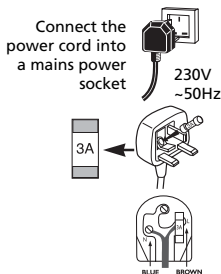
MAINS CONNECTIONS
MAINS OUTLET POWER SUPPLY: 230V ~50Hz
Note:
Power is fed to the unit even when it is not functioning. To cut the power supply off, the power cable must be unplugged.

Safety Information

CAUTION!

Invisible laser radiation when open. Avoid exposure to beam. Class 1 laser product. This system must be opened only by qualified technicians to prevent accidents caused by the laser beam.

LASER λ = 780nm, P max=5 mW

Rating Information : At the bottom of the unit.

This unit complies with the existing requirements.

CE In accordance with the rating plate of the unit, this unit complies with current standards concerning electrical safety and electromagnetic compatibility.

Please respect the environment

Before throwing any batteries away, consult your distributor who may be able to take them back for specific recycling.

Have a Blast-Just Not in your eardrums

Make sure you turn down the volume on the unit before you put on headphones. Increase the volume to the desired level only after headphone are in place.

ADVARSEL!
USYNLIG LASERSTRÅLING VED ÅBNING NAR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSAETTELSE FOR STRÅLING.

VORSICHT!
UNSICHTBARE LASERSTRALUNG WENN ABDECKUNG GEÖFFNET UND SICHERHEITS–VERRIEGELUNG ÜBERBRÜCKT. NICHT DEM LASERSTRAHL AUSSETZEN!

CAUTION – INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS FAILED OR DEFEATED. AVOID EXPOSURE TO BEAM.

ATTENTION – RAYONNEMENT LASER INVISIBLE DANGEREUX EN CAS D'OUVERTURE ET LORSQUE LA SECURITE EST NEUTRALISEE. EXPOSITION DANGEREUSE AU FAISCEAU.

VARNING–
OSYNLIG LASERSTRÅLING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRRAN ÄR URKOPPLADE. BETRAKTA EJ STRÅLEN.

VARO!
AVATTAESSA JA SOUJALUKITUSOHITETTAESSA OLET ALTTIINA NÄKYMÄTTÖMÄLLE. LASERSÄTEILYLLE ÄLÄ KATSO SÄTEESEEN.

CLASS 1 LASER PRODUCT
LASER KLASSE 1
APPAREIL A LASER DE CLASSE 1
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

⚡	**CAUTION** RISK OF ELECTRIC SHOCK DO NOT OPEN	❗
THE LIGHTNING FLASH AND ARROW-HEAD WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF "DANGEROUS VOLTAGE" INSIDE THE PRODUCT.	CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.	THE EXCLAMATION POINT WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF IMPORTANT INSTRUCTIONS ACCOMPANYING THE PRODUCT.

SEE MARKING ON BOTTOM / BACK OF PRODUCT

WARNING: TO PREVENT FIRE   AL
SHOCK HAZARD, DO NOT EXPOS   CT
TO RAIN OR MOISTURE.

Safety Information

⚠ • Make sure that you keep your set away from water and high temperatures.

- Do not use your System immediately after transporting it from a cold place to a warm place, as condensation may cause the system to malfunction.
- Keep your unit away from humid areas and abnormally hot places.
- To prevent personal injury, do not reverse any batteries.
- The use of apparatus in moderate climates.
- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.
- Attention should be drawn to the environmental aspects of battery disposal.
- Minimum distances (2cm) around the apparatus for sufficient ventilations.
- The ventilation should not be impeded by covering the ventilation opening with items, such as newspaper, table-cloths, curtains, etc.
- The rating plate is located at the bottom cabinet of apparatus.

Technical Specification:

Power supply - AC 230V ~50Hz

Clock backup: 3V $==$ 2 x AA/LR6/UM3

Power consumption: 11W

Ecology

🌳 Help protect the environment - we recommend that you dispose of used batteries by putting them into specially designed receptacles.

Maintenance

Clean the unit with a soft cloth, or a damp chamois leather. Never use solvents.

Your THOMSON product is designed and manufactured with high quality materials and components which can be recycled and reused.

This symbol means that electrical and electronic equipment, at their end-of-life, should be disposed of separately from your household waste. Please, dispose of this equipment at your local community waste collection/recycling centre.

In the European Union there are separate collection systems for used electrical and electronic product.

Please, help us to conserve the environment we live in!

Table of Contents

Battery Back-Up Operation

This clock radio is equipped with a memory holding system that can be powered with 2 "AA" batteries (included). The power failure protection circuit will not operate unless battery is installed.

When normal household power is interrupted, or the AC line cord is unplugged, the batteries will power the clock radio to keep track of time and alarm settings programmed into memory. When the battery backup functions, the digital display will not light, however, the function of alarm still occurs during the power interruption if the remaining battery power is adequate. Normal operation will resume after AC power is restored so you will not have to reset the time or the alarm.

Install batteries as follow:
1. Unlock the battery compartment door (located at the bottom of the radio) by sliding the tab away from the door.
2. Open the battery compartment door.
3. Insert 2 "AA" batteries with polarities matching indications.
4. Replace the compartment door and slide the tab to lock battery compartment.

The descriptions and characteristics in this owner's manual are for the purpose of general reference only and not as a guarantee. In order to provide you with the highest quality product, we may make changes or modifications without prior notice. The English version serves as the final reference on all product and operational details should any discrepancies arise in other languages.
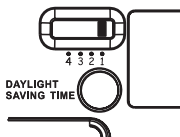
General Controls

OPEN / CLOSE

Front view

DAYLIGHT
SAVING TIME

4 3 2 1
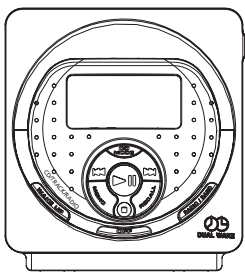
Bottom view

WAKE UP CD TRACK / RADIO - sets the wake up radio station or CD track.
CD mode - selects repeat 1 / repeat all / shuffle / repeat shuffle in CD mode.
⟲ - skips / searches backward.
▷◯◯ - starts / pauses CD playback.
⟲ - skips / searches forward.
☐ - stops CD playback.
OFF - turns off the radio / alarm / CD
RECALL - recalls available preset radio stations.
MEMO - sets and stores preset memory in radio mode.
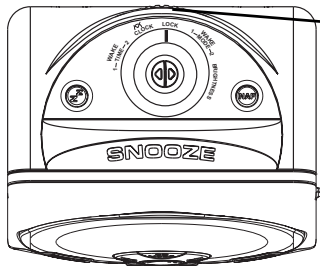**RADIO /BAND-** turns on the radio / changes radio band.
OPEN / CLOSE - opens / closes the CD compartment.

TIME ZONE - Slide to select different time zone.
DAYLIGHT SAVING TIME - Press to turn on / off the Daylight Saving function.

3

General Controls

Top view

TURNING KNOB

Side view

SNOOZE - turns off the alarm momentarily.

NAP - sets the alarm to sound after a specific period of time. (Alarm tone only)

z^z **-** activates SLEEP function.

◁ / ▷ - change time / radio frequency / CD track

TURNING KNOB - Rotate until the indicator points to your selected mode. The options are as follow (left to right):

WAKE TIME 1 - adjusts wake time 1.

WAKE TIME 2 - adjusts wake time 2.

CLOCK ⏚ - adjusts clock time.

LOCK - no adjustment can be made when in lock mode.

WAKE MODE 1 - change WAKE 1 mode.

WAKE MODE 2 - change WAKE 2 mode.

BRIGHTNESS - adjusts the brightness level.

VOLUME - adjusts the volume.

4

The Display
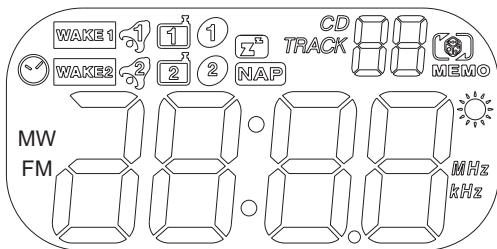
Clock Display

☉	In clock setting mode.
NAP	Nap activated.
Z⁽ᶻ⁾	Sleep activated.
MW	In MW radio band.
FM	In FM radio band.
MHz/kHz	Radio frequency unit.
CD	In CD mode.
⌒	Repeats the current track.
⌒⊐	Repeats the whole disc.
⊛	Plays tracks randomly.
⊛	Plays random track repeatedly.
TRACK	In CD mode, displays track number.
nd	No disc detected.
88 memo	In radio mode, displays memory recall number.
AL memo	Displays when the alarm radio station is set.
☼	Daylight saving.

Wake 1 and Wake 2 Display

WAKE 1	In wake 1 time setting mode.
WAKE 2	In wake 2 time setting mode.
♫/▯/①	Wake 1 source.
♫/▯/②	Wake 2 source.
① / ②	Wake to CD.
♫ / ♫	Wake to alarm tone.
▯ / ▯	Wake to radio.
18:88	Wake or clock time.

5

Before You Begin

Automatic Time Set

You do not have to set the clock time as a built-in automatic time set system is equipped in this clock powered by 2 X AA batteries (included). All you have to do is to plug this clock for power and current time will be shown automatically.

Daylight Saving

You can press and hold **DAYLIGHT SAVING TIME** ⏸○ at the bottom of the unit to turn on / off the Daylight Saving function in areas observing / not observing such time change.

Setting Time Zone

You may slide the time zone selector at the bottom of the clock to 1,2,3 or 4.

Refer to the Time Zone table below for corresponding regions.

WARNING: Please avoid playing with these buttons after entering the Clock/Alarm set mode.

TIME ZONE (Table 1)

1	2	3	4
Ireland Portugal UK (London)	Austria Czech republic France (Paris) Germany Holland Italy Poland Spain Sweden	Eastern Europe Finland Greece (Athens)	Russia (Moscow)

Setting the Clock

This unit has a built-in automatic time set system that automatically generates the correct clock time once the unit is plugged in. You are not required to set the clock manually, however, in case the memory holding batteries are accidentally removed, you may set the clock manually with following procedures:

Note:
Please make sure the **TURNING KNOB** position is set to LOCK after making changes.

Setting Clock

1. Be sure Time Zone and Daylight Saving Time is adjusted before operating the clock.
2. Rotate the **TURNING KNOB** to the CLOCK position, the clock setting icon ⊖ is displayed.
3. Press ◁ or ▷ to set the time. Press and hold the respective buttons to fast reverse or fast forward clock time.
4. Rotate the **TURNING KNOB** to the LOCK position to save the clock time.

Operating the Wake Timer

Setting the Wake Time

1. Rotate the **TURNING KNOB** to the WAKE TIME 1 or WAKE TIME 2 position until WAKE 1 or WAKE 2 icon shows on the display.
2. Press ◁ or ▷ to set the wake time. The time decrements or increments will follow by a faster rate when you press and hold either ◁ or ▷.
3. Rotate the **TURNING KNOB** to the LOCK position to save the wake time setting.

Selecting Wake Mode

To change to another wake mode (e.g. from CD to radio):

1. Rotate the **TURNING KNOB** to the WAKE MODE 1 or WAKE MODE 2 position
2. Press ◁ or ▷ to scroll through wake options.

Attention:

When the AC power is disconnected, the unit will enter DC backup mode, all wake mode will be reverted to alarm tone.

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Operating the Wake Timer

Waking to CD

When the waking to CD is selected, ① / ② icon will light.

1. Set the wake time.
2. Rotate the **TURNING KNOB** to the WAKE MODE 1 or WAKE MODE 2 position, press ◁ or ▷ to select waking up by CD, ① / ② will light accordingly.
3. Press ▷❙❙ to turn on the CD.
4. Rotate **VOLUME** to adjust to your desired wake up volume.
5. Press **OFF** to stop the CD playback.

You can select your CD wake up track by the following procedures.

1. In CD mode, while pressing **WAKE UP CD TRACK / RADIO**, press ◁ or ▷ to select your desired CD wake up track.
2. Release **WAKE UP CD TRACK / RADIO**, and the CD wake up track is set.
3. To reset the CD wake up track, follow the above procedures and set the CD wake up track to 1.

Note:

If the CD compartment is empty, the alarm tone will sound instead even the WAKE TO CD mode is selected.

Operating the Wake Timer

Waking to RADIO

When the waking to radio is selected, 🔟 / 🔟 icon will light.

1. Set the wake time.
2. Rotate the **TURNING KNOB** to the WAKE MODE 1 or WAKE MODE 2 position, press ◁ or ▷ to select waking up by RADIO, 🔟 / 🔟 will light accordingly.
3. Press **RADIO/BAND** to turn on the radio.
4. Rotate **VOLUME** to adjust to your desired wake up volume.
5. Press **OFF** to turn off the radio.

You can select your wake up radio station by the following procedures.

1. Press **RADIO/BAND** to turn on the radio and select the band.
2. Press ◁ or ▷ to tune to your desired radio station.
3. Press and hold **WAKE UP CD TRACK / RADIO** to store the current radio station as the wake up radio station. 🔟 will show on the display.

You can cancel your wake up radio station by the following procedures.

1. Press **RADIO ON/BAND** to turn on the radio.
2. Press **RECALL** repeatedly to select the wake up radio station.
3. Press and hold **MEMO/SET** to cancel the wake up radio station.

Note:
"AL" refers to the Alarm Station. If no WAKE STATION is set, the wake up radio station will stay at your last listening radio station.

Note:
Please make sure the **TURNING KNOB** position is set to LOCK after making changes.

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Operating the Wake Timer

Waking to Alarm Tone

When waking to alarm tone is selected,
⌐ / ⌐ icon will light.
You cannot adjust the alarm tone with
volume.

Note:
The unit equips with **GRAD-U-WAKE** feature, the
alarm tone volume will
increase gradually to its
maximum in about 30 to 45 seconds.

Tip:
If you set the SLEEP
function with low volume
level before going to bed,
we advise using Waking to
Alarm Tone mode to wake you up
since the volume will automatically
increase.

To silence the alarm momentarily
Press **SNOOZE**. The alarm will sound
again when the snooze period is over.
(see "**Snooze**" section).

To stop alarm from sounding
Press **OFF** and the alarm will be on again
the following day at the same time.

To cancel the the alarm completely
1. Rotate the **TURNING KNOB** to the
   WAKE MODE 1 or WAKE MODE 2 posi-
   tion.
2. Press ◁ or ▷ until all wake indicator
   disappear.

Operating the Radio

Antennas

FM antenna - The power cord acts as your FM antenna. It picks up moderate to strong radio stations and eliminates the need for an external antenna in most strong signal areas. Be sure the power cord is stretched to its full length. Do not coil or bunch the cord together. Changing position of the power cord may improve reception.

AM Antenna - A built-in ferrite rod antenna eliminates the need for an outside antenna for AM reception. Rotating the unit slightly may improve reception of distant AM stations.

Tuning the Stations

1. Press **RADIO/BAND** (located on the front of the radio) to turn on the radio.
2. Press **RADIO/BAND** repeatedly to select the desired broadcast band.
3. Press ◁ or ▷ to tune to your desired radio station.
4. Rotate **VOLUME** to adjust to your desired listening level.

Automatic Radio Station Search

1. Press **RADIO /BAND** (located on the front of the radio) to turn on the radio.
2. Press and hold ◁ or ▷ for 2 seconds, it will automatically search a radio station for you.

Operating the Radio

Setting the Preset Radio Stations

1. Press **RADIO/BAND** to turn on the radio.
2. Press **RADIO/BAND** to change the broadcast band.
3. Press ◁ or ▷ to tune to your desired radio station.
4. If you want to memorize this radio station, press **MEMO** once, and then press **RECALL** repeatedly to choose the radio station number you want to record in.
5. Press **MEMO** again to confirm.
6. If you set the radio station in the **AL** location, it will be the wake up radio station of the alarm.

> **Note:**
> This unit can store up to 11 preset radio stations, while **AL** location is for the wake up radio station.

Selecting the Preset Radio Stations

1. Press **RADIO/BAND** to turn on the radio.
2. Press **RECALL** repeatedly to select your desired preset radio station.

Overwriting the Preset Radio Stations

1. Press **RADIO/BAND** to turn on the radio.
2. Press ◁ or ▷ to tune to your desired preset radio station.
3. Press **MEMO** once and then press **RECALL** repeatedly to choose the radio station number you want to overwrite.
4. Press **MEMO** again to confirm.

Deleting the Preset Radio Stations

1. Press **RECALL** repeatedly to select your preset radio station you want to delete.
2. Press and hold **MEMO** for 3 seconds to delete the selected preset radio station.

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Operating the CD Player
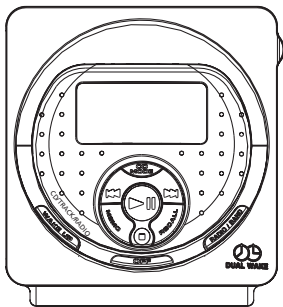
Listening to Compact Disc

1. Open the CD compartment.
2. Insert a disc and close the CD compartment door.
3. Press ▷〖〗.
4. Rotate **VOLUME** to adjust to your desired listening level.
5. Press ⪩⪨ or ⪫⪪ to skip backward or forward the CD track.
6. Press and hold ⪩⪨ or ⪫⪪ to search backward or forward within the CD track.
7. Press ☐ to stop CD playback.

Selecting Play Mode

1. Start CD playback.
2. Press **CD MODE** to toggle between different play modes.

- repeats the current track.
- repeats the whole disc.
- plays tracks randomly.
- plays random track repeatedly.

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Alarm Settings

Setting Sleep Time

In sleep mode, the radio and CD will turn off automatically. To set the sleep time, simply:

1. Press ꝣᶻ, then the time display will exhibit **0:59** and the radio will turn on (default). While holding ꝣᶻ, press ◁ or ▷ to set the sleep time. The time range is from 1 minute to 2 hours (default is 0:59).
2. Release ꝣᶻ and the current time will be shown again, 🌙 will show on the display, and the sleep time is set.

Sleep to Radio

1. Under sleep mode, press **RADIO/ BAND** to turn on the radio.
2. Sleep radio station will automatically switch to the current radio station, you may select the radio station as usual.
3. Once the sleep time is reached, the radio will turn off automatically.

You can reset to sleep to a different radio station, simply:

1. Press **RADIO/BAND** to select radio band.
2. Press ◁ or ▷ to tune to the radio station you want to sleep to.

> **Tip:**
> The unit will enter either CD or Radio mode after **SLEEP** is pressed, depending on the previous sleep setting.

Sleep to CD

1. Under sleep mode, press ▷❚❚ to start CD playback.
2. CD play mode will be automatically in Repeat All mode when using Sleep to CD setting.
3. The unit will turn off automatically once the sleep time is reached.

Viewing Remaining Time

Press **SLEEP** to read the remaining sleep time.

> **Tip:**
> If you decide to turn off the unit sooner, press **SNOOZE** or **OFF**.

> **Tip:**
> When the sleep mode is activated again, the sleep time will be the same as the one you have set before.

Alarm Settings

Nap Mode

For catnaps up to 2 hours without disturbing the regular alarm settings, the NAP function wakes you up after a short period of time. Simply:

1. Press **NAP**, the **NAP** indicator will flash. While the **NAP** indicator is flashing, press **REV** or **FWD** to adjust nap time. The time range is from 10 minutes to 2 hours at 10 minutes interval (default is 20 minutes).
2. Wait 3 seconds or press **NAP** again to confirm, the **NAP** indicator will show on the display.
3. Press **NAP** once to show time left, after 3 seconds, the display will return to clock time.

Stopping the Nap Alarm

When the NAP alarm sounds, you can press **OFF** to stop it.

Cancelling the Nap Alarm

Press and hold **NAP** for 5 seconds to cancel the nap setting.

Tip:
Only alarm tone can be selected in NAP mode.

Snooze

This operation allows extra sleep time after the alarm is on. The alarm will be off by pressing **SNOOZE** until the snooze period is over. Snooze function can be used repeatedly up to 2 hours. After this, the alarm will turn off until the next alarm conditions are met. Set the "quiet" period as follow:

1. While pressing **SNOOZE**, press ◁ or ▷ to set the "quiet" period (the default time is 9 minutes) from 1 minute to 30 minutes. Release **SNOOZE**, then the "quiet" period is set.
2. The "quiet" period will remain the same until you change it again.

Brightness

1. Rotate the **TURNING KNOB** to the BRIGHTNESS position
2. Press ◁ or ▷ to set the brightness level.

Care and Maintenance

Handling Compact Discs
- Do not touch the signal surfaces. Hold by the edges, or by one edge and the hole.
- Do not affix labels or adhesive tape to the label surfaces. Also, do not scratch or damage the label.
- Discs rotate at high speeds inside the player. Do not use damaged (cracked or warped) discs.

Cleaning Compact Discs
- Dirty discs can cause poor sound quality. Always keep discs clean by wiping them gently with a soft cloth from the inner edge toward the outer perimeter.
- If a disc becomes dirty, wet a soft cloth in water, wring it out well, wipe the dirt away gently, and then remove any water drops with a dry cloth.
- Do not use record cleaning sprays or anti-static agents on discs. Also, never clean discs with benzene, thinner, or other volatile solvents which may cause damage to the disc surface.
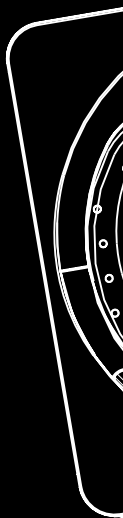
CD Lens Care
When your CD lens gets dirty it can also cause the unit to output poor sound quality. To clean the lens you will need to purchase a CD lens cleaner which can maintain the output sound quality. For instructions on cleaning the CD lens, refer to the ones accompanying the lens care.

Cleaning the Exterior
Prior to cleaning the exterior, be sure to unplug the power cord from the AC power outlet. Wipe the exterior with a soft, clean, and slightly water-dampened cloth.

Precautions
- Never open the cabinet under any circumstances. Any repairs or internal adjustments should be made only by a trained technician.
- Warning: Never operate this product with the cabinet removed.
- The CD player of this unit uses a laser to read the music on the disc. The laser mechanism corresponds to the cartridge and stylus of a record player. Although this product incorporates a laser pick-up lens, it is completely safe when operated according to directions.
- Discs rotate at high speed inside the player. Do not use damaged, warped or cracked discs.
- Do not touch the pick-up lens which is located inside the disc compartment. Also, to keep dust from collecting on the pick-up lens, do not leave the compartment door open for an extended period of time.