



## Safety Information

**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.



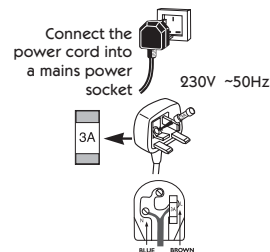
## MAINS CONNECTIONS (For United Kingdom Only)



### CAUTION:

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

Do NOT 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 and yellow.

A fuse plug must be fitted with a 3A fuse approved by ASTA or BSI to BS 1362 and fuse covers must always be securely replaced. If your unit does not work, the fuse may be blown.



 <p>THE LIGHTNING FLASH AND ARROW-HEAD WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF "DANGEROUS VOLTAGE" INSIDE THE PRODUCT.</p>	<p><b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN</p> <p>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.</p>	 <p>THE EXCLAMATION POINT WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF IMPORTANT INSTRUCTIONS ACCOMPANYING THE PRODUCT.</p>
<p>SEE MARKING ON BOTTOM / BACK OF PRODUCT</p>		

**WARNING: TO PREVENT FIRE OR ELECTRICAL SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.**



RR550CD EN rev.1

2-3



## 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**  $\lambda = 780 \text{ nm}$ ,  $P_{\text{max}} = 5 \text{ mW}$

Rating Information: At bottom of the unit

this unit comply with the existing requirements

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

### TECHNICAL SPECIFICATIONS

Power Supply: AC 230V ~ 50Hz

Clock: 9V  $\equiv$  6F22

Power Consumption: 15W



- Do not use your set immediately after transport from a cold place to a warm place: there may be condensation problems.
- This set uses a laser beam. To prevent any accident due to this type of beam, the set should only be opened by properly-trained personnel.
- Make sure that you keep your set away from water and high temperatures.
- If you do not use your set on battery power for more than one month, we advise you to take out all the batteries.
- To prevent personal injury, do not reverse any battery and do not mix battery types.

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.

EN

ADVARSEL!  
USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHEDSafbrydere ER UDE AF FUNKTION, UNGDÅ UDSÆTTELSE FOR STRÅLING.  
VORSIGT!  
UNSYNLIG LASERSTRÅLING  
VÆRN ADBØDNING GÆLDENDE OG SIKKERHEDS-  
VERBUDSREGELNING OVERBROCK.  
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.



CLASS 1 LASER PRODUCT  
LASER KLASSE 1  
ANNEE A LASER DE CLASSE 1  
LUOKAN 1 LASERILAITTE  
KLASS 1 LASERAPPARAT

VAROING-  
OSYNLIG LASERSTRÅLING NÅR DENNA DEL  
ÅR ÖPPNAD OCH SPÄRRAN ÅR URKOPPLADE.  
BETRÄKTA EJ STRÅLEN.  
VARO!  
AVTÄTTA JA SUOJALLUKITUSOHITETTAESSA  
OLET ALLTIINA NÄKYMÄTÖMÄLLE  
LASERKATTEILYLLE ÄLÄ KÄRSO SÄTEESSEN.



9/10/02, 6:00 PM



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## Battery Back-Up

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This clock radio is equipped with a memory holding system that can be powered with a 9-volt battery (not included). The power failure protection circuit will not operate unless battery is installed.

When normal household power is interrupted, or AC line cord is unplugged, the back-up battery will power the clock radio to keep track of time and alarm settings programmed into memory. When the battery backup functions, the function of alarm still occurs during the power interruption if 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. With battery back-up, if Alarm to Radio or Alarm to CD is activated during power interruption, Alarm to Tone will operate instead. Wake mode will operate normally again once power is resumed.

When AC power is interrupted (disconnected) for a short period of time, both time and alarm settings will change (unless optional battery is installed). After AC power is restored (reconnected), the Digital Display will blink to indicate that power was interrupted and you should readjust the time and alarm settings.

### Protection against main power failures:

1. Remove battery compartment door (located on the bottom of the radio) by applying thumb pressure to area indicated on battery door and then lift the door out and off the cabinet.
2. Connect a 9-volt battery connector plug. (6LR61 or NEDA 1604A)
3. Insert battery in the compartment and replace the compartment door.

**NOTE:** Alkaline (6LR61/NEDA 1604A) batteries are recommended. Carbon-zinc battery may be used but memory holding time will be substantially reduced. Memory holding time for a fresh alkaline battery is approximately 8 hours (if radio or alarm are not operated) which should take care of short, nuisance-type AC power failures. To preserve battery life, the unit should remain plugged into an AC outlet. As the battery gets older, its voltage drops and memory may be lost. Be sure to replace the battery periodically. Battery should be removed if the unit will be stored for more than one month. Leaky battery can badly damage the clock radio.





## THE DIGITAL CD CLOCK RADIO

Have a Blast- Just Not in Your Eardrums!

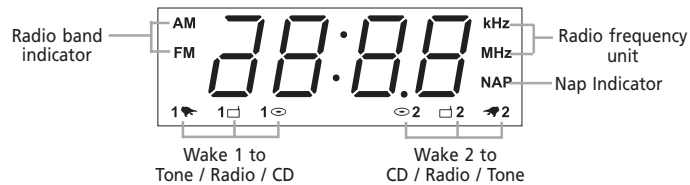


Make sure you turn down the volume on the unit before you put on headphones. Increase the volume to the desired level only after headphone is in place.



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

### The Display



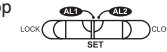
**Tip:**

Slide the **DIMMER** switch on the back of the unit between **ON** and **OFF** to adjust the LED display brightness.



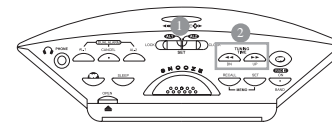
## THE DIGITAL CD CLOCK RADIO

To set clock and wake time, slide the selector switch on the top of the unit to select between setting LOCK, AL1, AL2 and CLOCK.



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### Setting time



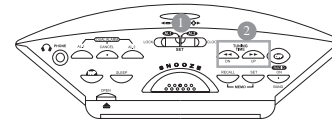
- Slide the selector switch to **CLOCK**.
- Press **TUNING TIME DN** or **UP** to select current time.

**NOTE:**

- Press and hold **TUNING/TIME DN** or **UP** to skip fast.

*This unit has Dual Wake Alarms. The two independent wake times allow you to set weekday or weekend wake up settings.*

### Setting Wake Time



- Slide the selector switch to select **AL1** or **AL2**.
- Press **TUNING/TIME DN** or **UP** to set the alarm time.

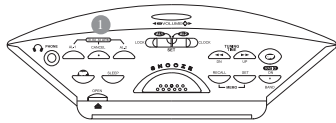





## THE DIGITAL CD CLOCK RADIO

You can choose to wake to Radio , CD  or tone .





### Setting Wake to Tone



#### Smart Design

Once you set the wake time, e.g. AL1, wake to tone  indicator lights on the display.

or

- 1 Press **AL.1**  to change to  wake 1 tone mode.  
Press **AL.2**  to change to  wake 2 tone mode.

#### Tip:

1. With the **GRADUWAKE** feature, the alarm tone volume will increase gradually to its maximum in about 30 to 45 seconds.
2. You cannot adjust the volume level of the alarm tone.

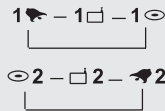


#### Smart Wake Up System

- If the alarm sounds when you are listening to music with headphones, both the headphone and the unit will sound the alarm simultaneously.





To change to another wake mode (e.g. from CD to radio), simply press AL.1 or AL.2 to scroll through wake options.








## THE DIGITAL CD CLOCK RADIO


### Setting Wake to Radio

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- 1 Set wake time. (Refer to "Setting Wake Time")
- 2 Press **AL.1**  repeatedly until  indicator flashes on the display.

#### Setting Wake Station

- 3
  - a. Press **RADIO ON/BAND**  to select FM/MW and press **TUNING/TIME DN or UP**  to tune to your desired station.
  - b. Press **MEMO SET**  to enter preset mode and
  - c. Press **MEMO RECALL**  repeatedly to select Alarm Memo "PAL" (11th preset station).
  - d. Press **MEMO SET**  to confirm your selection.

- 4 Turn  to adjust to the desired wake-up volume.

- 5 Press **OFF**  to turn off the unit.



- If no WAKE STATION is set, the wake station will stay at your last listening station.
- When setting AL2, follow the same procedure described above.





## THE DIGITAL CD CLOCK RADIO

### Setting Wake to CD

- 1 Set wake timer. (Refer to "Setting Wake Time")
- 2 Press **AL.1** repeatedly until wake to CD 1 indicator lights on the display.
- 3 Insert a disc in the compartment  
To wake up to your preferred CD track: (default is track 1)
  - a. Press and hold **WAKE UP CD TRACK** while pressing **TUNING/TIME DN or UP** to select track to wake up to.
  - b. Press **PLAY** to listen to the Wake-up volume.
- 5 Turn to adjust to the desired wake-up volume.
- 6 Press **OFF** to turn off the unit.

- If the CD compartment is empty, the alarm tone will sound instead when in fact WAKE TO CD mode is selected.
- When setting AL2, same procedure is followed.

- 1. Alarm will still sound when it is activated even if headphone is inserted.
- 2. When you adjust the alarm time in wake off mode, the alarm will automatically be activated.

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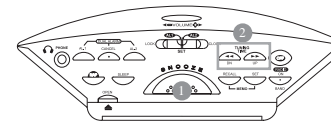


## THE DIGITAL CD CLOCK RADIO

### Adjusting snooze duration

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The snooze-alarm control allows extra sleep time after the unit turns on in alarm mode. Press to turn off the alarm until the snooze period is over. You can use the SNOOZE feature repeatedly for up to about 2 hours, after which the unit will turn off until the next alarm conditions are met.



- 1 Press and hold **SNOOZE**
- 2 Press **TUNING/TIME DN or UP** on the top of the unit to set the "quiet" period (default is 9 minutes) from 1 minute to 30 minutes for which the alarm momentarily goes off.

### Stopping alarm

#### 1. To silence the alarm momentarily:

- Press **SNOOZE** and the alarm will sound again when the snooze period is over (see "Adjusting snooze duration" above)

#### 2. To stop alarm from sounding:

- Press **OFF** and the alarm will be on again the following day at the same time.

#### 3. To cancel alarm completely:

- Press **CANCEL** then **AL.1** or **AL.2** and the corresponding alarm(s) won't sound again the following day. Alarm indicators will not be displayed.
- If you press **AL.1** or **AL.2** button again, the previous preset time remains unchanged.



- If uninterrupted, the alarms will stop sounding in 2 hours.

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## THE DIGITAL CD CLOCK RADIO

### Setting NAP Duration

You may take a short nap and be woken up by the alarm.

- 1 Press **NAP**  on the top of the unit.
- 2 The NAP indicator flashes and 0:20 (as default setting) will appear on the display. (i.e. alarm will be turned on in 20 minutes). Display will switch back to real clock time after about 3 seconds.
- 3 Before display switches back to clock time, press **TUNING/TIME DN or UP**  to set nap time. Nap time decrease or increase at 10 -minute intervals between 10 and 120 minutes.
- 4 Press **NAP**  to activate nap function. The display returns to the real clock time. NAP indicator lights continuously. Alarm will sound once the timer reaches 0:00.
- 5 Press and hold **NAP**  until the NAP indicator disappears to cancel NAP timer.

**TIP:** To check the remain NAP timer, press **NAP**. The display will show the minutes left. After 3 seconds, the display will return to clock time.

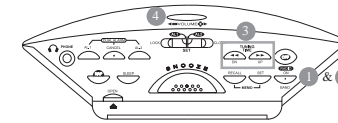






## THE DIGITAL CD CLOCK RADIO

### Listening to radio


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Slide the selector switch to the **LOCK**  position after clock or wake settings to access radio functions.




- 1 Press **RADIO ON/BAND**  to turn on the radio.
- 2 Press again  to select FM/MW.
- 3 Press **TUNING/TIME DN or UP**  repeatedly to manually set to your desired station. The frequency will decrease or increase as you press the respective buttons.
- 4 Adjust  to your desired listening level.



- To improve reception, you may try and:
  1. move or rotate the unit for MW reception
  2. slide the **FM RADIO** switch on the back of the unit to mono **MO** for FM reception
- To turn off the radio, press .

### Automatic Station Search




Press and hold either **TUNING/TIME DN or UP**  for more than 1 second and release. Automatic station search starts and stops when channel is found.







## THE DIGITAL CD CLOCK RADIO

### Radio Frequency Memory


- 1 Refer to "Listening to Radio" to tune to the station to be stored in memory.
- 2 Set frequency into memory. Press **MEMO SET** . Preset station number will flash on the display and will be automatically assigned (the next available number). Press **MEMO RECALL**  if you want to select another preset location.
- 3 Press **MEMO SET**  to confirm your settings.

TIPS: Maximum 11 (10 preset locations and 1 alarm memory location) preset stations can be stored. You can also overwrite preset station numbers by pressing **MEMO SET**  to enter setting mode. Press **RECALL**  to select the number and press **MEMO SET** again to confirm selection.

### Cancel Memory

- 1 Press **MEMO RECALL**  to the memory station you want to cancel.
- 2 Press and hold **MEMO SET**  to cancel memory setting.

### Memory Recall

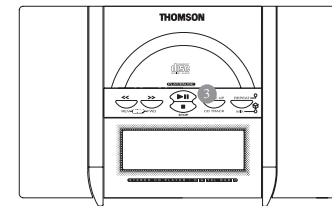
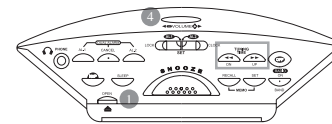
Press **MEMO RECALL**  repeatedly to recall preset stations when radio is on.






## THE DIGITAL CD CLOCK RADIO


### Listening to compact disc


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- 1 Press **OPEN**  to open the door.
- 2 Insert a disc and press the door close.
- 3 Press **PLAY** .
- 4 Adjust **VOLUME**  to your desired listening level.


If the unit contains no CD, the display will show "nd" when you press **PLAY** and then revert back to clock time.

Press **TUNING/TIME DN** or **UP**  to search reverse or forward to select track.

Press and hold skip **DN** or **UP**  to search fast backward or fast forward.

Press **REPEAT/MIX**  to select any repeat and shuffle options. The corresponding indicator for each option will light when selected.

- REPEAT - repeats disc. REPEAT indicator will light up.
- MIX - playing tracks in random order. MIX indicator will light.
- REPEAT & MIX - repeats disc with tracks playing in random order. Both REPEAT and MIX indicator will light.
- DE-SELECTION

Press **PLAY/PAUSE**  to pause playback. Press again to resume.

Press **STOP**  to stop playback.





## THE DIGITAL CD CLOCK RADIO

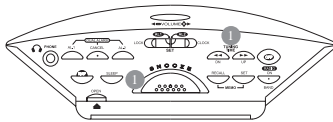


- If the disc compartment is empty, or the disc cannot be played, "nd" lights continuously on the display.
- Do not store CDs in damp areas. Do not expose CDs to high temperatures.
- You should avoid leaving the CD door open. Dust is liable to impair performance of the laser optical unit.

### Sleep to CD/radio

You can drift off to sleep to CD/radio knowing that the unit will turn itself off automatically. If alarm is set, the unit will turn on again as programmed.

### Adjusting Sleep duration



- 1 Press and hold **SLEEP** while pressing **TUNING TIME DN** or **UP** to adjust the time. Sleep time can be set from 1 minute to 2 hours. The default sleep time is 0:59 minutes.

### Sleep to CD

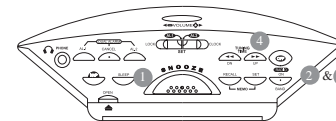
- 1 Press the **SLEEP** button on the main unit.
- 2 Press **PLAY** on the main unit. CD play mode will automatically be in Repeat All mode when using Sleep to CD setting. The unit will turn off automatically once sleep time is reached.



## THE DIGITAL CD CLOCK RADIO

### Sleep to Radio

Sleep station will automatically switch to the last sleep station setting. You must reset to sleep to a different station.



- 1 Press **SLEEP** on the main unit.
- 2 Press **RADIO ON/BAND** to select radio mode.
- 3 Press **RADIO ON/BAND** to select band.
- 4 Press **TUNING/TIME DN** or **UP** to tune to the station you want to sleep to.



- The next time you reactivate the sleep function by pressing **SLEEP**, settings will remain the same as the last time they were set.
- If you decide to turn off the unit sooner, press **STOP** or **CD** and this will shut off the sleep cycle.
- When sleep mode is active, subsequent press on **SLEEP** to show the remaining time before the unit goes off.







## CARE AND MAINTENANCE

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### 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

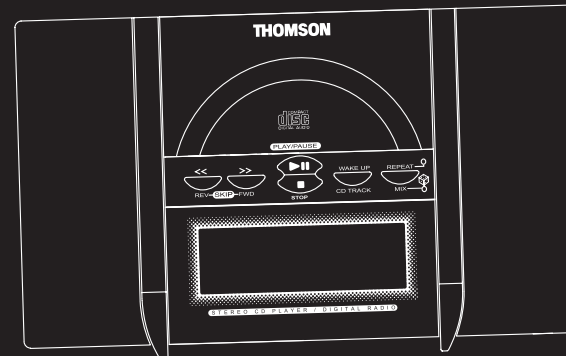
- Never open the cabinet under any circumstances. Any repairs or internal adjustments should be made only by a trained technician.
- Warning: Never operate this product with the cabinet removed.
- The CD player of this unit uses a laser to read the music on the disc. The laser mechanism corresponds to 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.





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