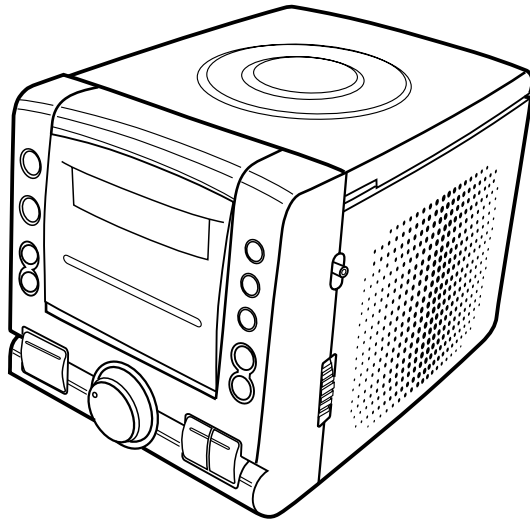


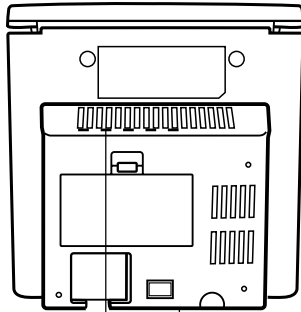
## INSTRUCTION MANUAL

## RM-D500

### Compact Disc Dual Alarm Clock Radio



## CONTROLS



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, UDGÅ UDSÆTTELSE FOR STRÅLING.

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

VORSICHT! -UNSIHTBARE LASERSTRAHLUNG TRITT AUS, WENN DECKEL GEÖFFNET UND ENN SICHERHEITSVERRIEGELUNG ÜBERBRÜCKT IST. NICHT, DEM STRAHL AUSSETZEN.

VARO !-Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen.



CLASS 1 LASER PRODUCT

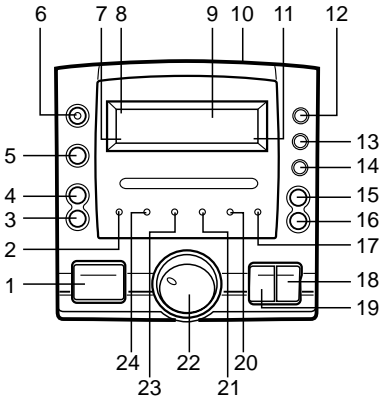
**CAUTION** - USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED IN THE OPERATION INSTRUCTION MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

THIS PRODUCT SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT PROPERLY QUALIFIED PERSONNEL.

- The apparatus shall not be exposed to dripping or splashing.
- 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 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 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.
- No object filled with liquid, such as vase shall be placed on the apparatus.

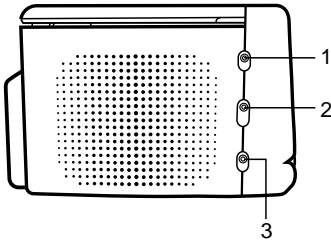
# CONTROLS

## Front cover of unit



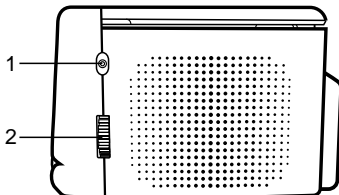
1. Snooze button (SNOOZE)
2. Power indicator (POWER)
3. CD display button (CD display)
4. Clock adjust button (CLOCK ADJUST)
5. Sleep button (SLEEP)
6. Power button (⏻/ON)
7. Alarm 1 indicator (ALARM 1)
8. PM indicator (PM)
9. Display
10. CD compartment
11. Alarm 2 indicator (ALARM 2)
12. Random play button (RANDOM)
13. Program button (PROGRAM)
14. Repeat button (REPEAT)
15. CD stop button (STOP)
16. CD play/Pause button (PLAY/PAUSE)
17. FM stereo indicator (FM ST.)
18. Skip/Search up/Hour adjust button (SKIP +, HOUR)
19. Skip/Search down/Minute adjust button (SKIP -, MINUTE)
20. Sleep indicator (SLEEP)
21. Random play indicator (RANDOM)
22. Volume control (MIN VOLUME MAX)
23. Repeat indicator (REPEAT)
24. Program indicator (PROGRAM)

## Left side of unit



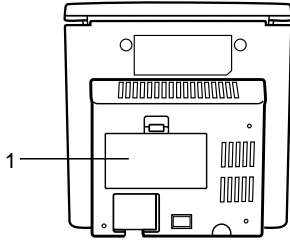
1. Alarm sound mode switch (ALARM SOUND BUZZER/MUSIC)
2. Alarm mode selector switch (**ALARM SELECTOR** ALARM OFF/ALARM SET 1/ALARM SET 2/ALARM ON 1/ALARM ON 2/ALARM 1+2)
3. Display light dimmer switch (**DIMMER** NORMAL/DIMMER)

## Right side of unit



1. Function switch (**FUNCTION** CD/AM/FM/FM ST.)
2. Tuning control (TUNING)

## Back cover of unit



1. Battery compartment lid

## POWER SUPPLY

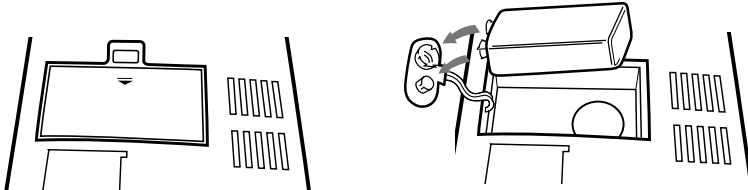
### AC POWER

Connect the mains lead to an AC 230-240V, 50Hz wall outlet.

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

### BACK-UP BATTERY INSTALLATION

Connect a standard 9V (006P/6F22) battery (not included) to the snap-on terminal matching the polarity.



#### NOTE:

If the time display is blinking when the mains returns after a failure, the back-up battery is exhausted and must be replaced.

#### BATTERY BACK-UP SYSTEM

This unit incorporates a battery back-up system which protects the clock, sleep timer and wake-up alarm functions from the mains failure with the battery installed. During the mains interruption, the clock display will go out, but the clock movement remains in operation. The time display will be resumed when the mains return.

Reset the time if the display time is incorrect.

When the mains lead is connected to the AC outlet for the first time, or when the mains returns after a failure longer than the battery life, the display will blink.

In this case, set the clock and timer again.

## ADJUSTING THE CLOCK

### NOTE:

When the unit is first connected to the AC power line, the clock display blinks on the display.

Example: To set "PM 6:30"

1. Set the ALARM SELECTOR switch to ALARM OFF.
2. Press the CLOCK ADJUST button down, push the HOUR or MINUTE button respectively to select the time.



3. Release the CLOCK ADJUST button.

### Note:

The clock starts as soon as you release the MINUTE button.



## USING THE DIMMER

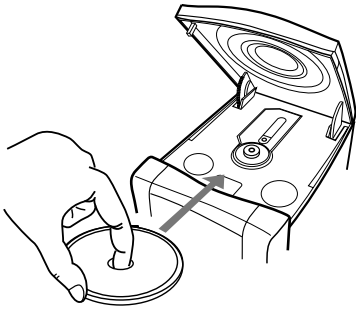
To select the brightness of display, set the DIMMER switch to NORMAL or DIMMER.

## CD PLAY

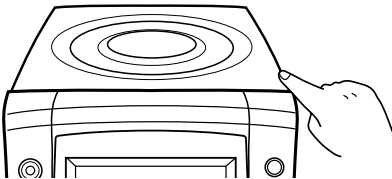
Use compact discs bearing the symbol shown below. In addition to conventional 12 cm CDs, this system can be used to play 8 cm CDs without an adapter.



1. Press the /ON button to turn on the power, the POWER indicator light.
2. Set the FUNCTION switch to CD.
3. Lift the CD compartment lid (LIFT TO OPEN  portion) to open the CD compartment.
4. Place the disc with the label facing up on the turntable. (Place only one disc at a time.)



5. Press the CD compartment lid to close it. The total number of tracks on the disc appears briefly on the display.



6. Press the PLAY/PAUSE button, play starts from the first track.
  - To start play from the desired track, select the track by using the SKIP + or SKIP - button, the track number blinks on the display, then press the PLAY/PAUSE button.

- During play, press the CD DISPLAY button to display the current track number. In stop mode, press the CD DISPLAY button to display the total number of tracks. After several seconds, the display of track number above return to the clock display.

### Note:

If a disc is loaded upside down, or if no disc is loaded, press the CD DISPLAY button "no" appears. If this occurs, load the disc correctly or replace the damaged disc.

7. Press the STOP button to end disc play at any time. When the last track has been played, the player stops automatically.

### 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 lid.

### Notes on handling compact discs

- 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.

### Temporarily stopping play

Press the PLAY/PAUSE button. Current track number blinks briefly. To resume play, press the button again.

### Skip play

To skip to track 6 while track 3 is playing, press the SKIP + button repeatedly until "06" appears on the display. To skip back to track 3 while track 6 is playing, press the SKIP – button repeatedly until "03" appears.

### Search (forward/reverse)

If the SKIP + or SKIP – 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.

### Random play

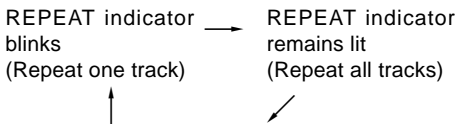
Press the RANDOM button to begin random play. The player will automatically select and play tracks on the disc at random. The RANDOM indicator light.

- While in programme playing mode, press the RANDOM button. Programme playing stop and PROGRAM indicator goes out, press the RANDOM button again, RANDOM indicator lights, the play changes automatically to RANDOM playing mode. When pressing the RANDOM button third, the playing returns to programme playing again.

### Repeat play

Press the REPEAT button repeatedly before or during play to select various repeat mode available.

Each time the REPEAT button is pressed the repeat mode changes as shown below.



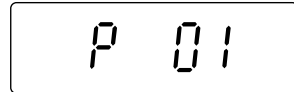
REPEAT indicator goes out (Normal play mode)

## PROGRAMMED PLAY

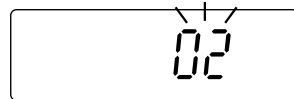
Up to 20 tracks on a disc can be programmed for play in any order.

- To begin the programming procedure, select "CD" function 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 PROGRAM button. "PROGRAM" indicator blinks.



3. Select a track by using the SKIP – or SKIP + button.



4. Press the PROGRAM button. "PROGRAM" indicator remains blinks.
5. Repeat steps 3 - 4 to programme additional tracks.
6. Press the PLAY/PAUSE button to start play. "PROGRAM" indicator 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 track will result in discontinuation of the programming and first programmed track number appears briefly.
  - To cancel programmed play, press the PROGRAM button, make the PROGRAM indicator blinks, then press STOP button.

### Checking the programme

Press the PROGRAM button in the stop mode, the programmed tracks sequentially appear on the display.

## Changing a programme

### To add a new track to a programme

1. In the stop mode, press the PROGRAM button repeatedly until the last programmed number appears on the display.
2. Select a track as explained above.
3. Press the PROGRAM button.

### To change a tracks:

1. In the stop mode, press the PROGRAM button repeatedly until the selection to be replaced is displayed.
2. Select a track as explained above.
3. Press the PROGRAM button.

#### Note:

Programmed details cannot be partially deleted or inserted.

## LISTENING TO THE RADIO

1. Press the  $\odot$ /ON button to turn the power on, the "POWER" indicator light.
2. Set the FUNCTION switch to AM or FM or FM ST..
3. Turn the TUNING control to tune in a station.
4. Adjust the VOLUME control as desired.
5. To turn the radio off, set the FUNCTION switch to CD.

### To improve reception

- For AM reception, rotate or relocate the unit to a different position to improve the reception of a distant or weak station.
- For FM reception, a short wire aerial is provided. Unwind the short wire aerial and extend it to full length.

#### Note:

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

## WAKE-UP TIMER SETTING

### To set the first wake-up time

1. Set the ALARM SELECTOR switch to ALARM SET 1.
2. Press the HOUR or MINUTE button.

### To set the second wake-up time

1. Set the ALARM SELECTOR switch to ALARM SET 2.
2. Press the HOUR or MINUTE button.

#### NOTE:

- Do not set the ALARM SELECTOR switch to ALARM 1+2, ALARM ON 1 or ALARM ON 2 when wake-up time setting.
- If you want to check the time setting, set the ALARM SELECTOR switch to different position.



## USING THE WAKE-UP TIMER

1. If you want to wake up with the radio, tune in the station. If you want to wake up with CD, load a disc and adjust the volume level first.
2. Set the wake-up time. (See "WAKE-UP TIME SETTING".)
3. Set the ALARM SOUND switch to MUSIC or BUZZER.  
MUSIC: Wake up with the radio or CD.  
BUZZER: Wake up with the buzzer.
4. Set the ALARM SELECTOR switch to the appropriate position:
  - a) For ALARM 1 to sound, set the ALARM SELECTOR switch to ALARM ON 1. The ALARM 1 indicator will be displayed.
  - b) For ALARM 2 to sound, set the ALARM SELECTOR switch to ALARM ON 2. The ALARM 2 indicator will be displayed.
  - c) For both ALARM 1 and 2 to sound, set the ALARM SELECTOR switch to ALARM 1+2. The ALARM 1 and ALARM 2 indicators will be displayed.

### **SNOOZE MODE**

During the wake-up timer is operating, press the SNOOZE button. The radio or buzzer will stop for approximately 6 minutes but will start again and this will be repeated.

#### **NOTES:**

- If the SNOOZE button is not pressed, the radio or CD or buzzer will sound for approximately 60 minutes and then turn off automatically.
- To cancel the snooze mode, push the SLEEP button for at least twice or set the ALARM SELECTOR switch to OFF.

When the timer ON time arrive, the CD or radio or buzzer will sound for approximately 60 minutes and then turn off automatically. The wake-up timer will function every day unless it is released.

To released the time, set the ALARM SELEC-TOR switch to ALARM OFF.

## USING THE SLEEP TIMER

The sleep timer automatically switches off the power after a preset time has elapsed. There are 3 time periods available: 90, 60, 30 minutes.

1. Set the FUNCTION switch to CD, AM, FM or FM ST..
2. Press the SLEEP button repeatedly to select the desired sleep time.

-- → 90 → 60 → 30 → -- ...

“SLEEP” indicator blinks and the selected time appear on the display. After a few seconds, the original display returns. “SLEEP” indicator remains lit.

### **To check the remaining sleep time**

Press the SLEEP button once. After a few seconds, the original display returns.

### **To release the sleep timer while in operation**

Press the SLEEP button repeatedly until “--” appears.

# 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 - 1605.5 kHz

## General

Output power:

1 W/ch

Speakers:

77 mm x 2

Power source:

AC: 230 - 240V, 50Hz

DC: 9V, (CLOCK back-up; 006P type, not supplied)

Dimensions:

140(W) x 140(H) x 214(D) mm

Weight:

Approx. 1.6 kg (without batteries)

Specifications subject to change without notice.

