

FM/MW/LW CD Clock Radio

ICF-CD843L
Operating Instructions

DREAM MACHINE

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Printed on 100% recycled paper using VOC (Volatile Organic Compound)-free vegetable oil based ink.

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<http://www.sony.net/>

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only. Do not install the appliance in a confined space, such as a bookcase or built-in cabinet. To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus. Connect the apparatus to an easily accessible AC outlet. Should you notice an abnormality in the apparatus, disconnect the main plug from the AC outlet immediately.

Features

- FM/MW/LW 3 band PLL (phase locked loop) synthesized clock radio
- Easy preset digital tuning with 20 memory presets
- Built-in CD player with CD-R/RW playback function
- Easy to see large Display with small footprint.
- Triple Alarm (Radio, buzzer or CD) with the extendable snooze function.
- Easy nap timer –one push operation.
- LCD with backlight which has a brightness control switch.
- D.S.T. (Daylight Saving Time) –Summer time calculation.

Setting the Clock and Date

- 1 Plug in the clock radio. The display will flash “AM 12:00”.
- 2 Press **CLOCK** for a few seconds. You will hear a beep and the year will start to flash in the display.
- 3 Press **TUNE/TIME SET +** or **-** until the correct year appears in the display.
- 4 Press **CLOCK** once.
- 5 Repeat steps 3 and 4 to set the month, day, hour, and minute. After setting the minutes, press **CLOCK** to start the clock, and you will hear two short beeps.

To display the year and date, press **SNOOZE•DATE/SLEEP OFF** once for the date, and within 4 seconds press it again for the year. The display shows the date or year for a few seconds and then changes back to the current time.

To set the current time rapidly, hold down **TUNE/TIME SET +** or **-**.

In step 5, when you press **CLOCK** after the minute setting to activate the clock, the seconds start counting from zero.

To change the display to the daylight saving time (summer time) indication

Press **D.S.T./SUMMER T.** “☀” is displayed and the time indication changes to summer time. To deactivate the summer time function, press **D.S.T./SUMMER T.** again.

Changing MW Channel Step

The MW channel step differs depending on areas. The channel step of this unit is factory-set to 9 kHz. Change the settings as shown below to be able to listen to the radio.

Area	Channel step
North and South American countries	10 kHz
Other countries/Regions	9 kHz

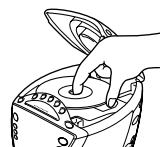
Note
When the MW channel step is changed, the preset stations for MW/FM will be initialized. When the MW channel step is changed, the FM channel step is also changed.

- 1 Turn off the power.
- 2 While holding down **OFF ■•ALARM RESET**, keep pressing **PRESET TUNING 1** button for more than 5 seconds. Two short beeps sound, and the AM channel step will be changed. If you proceed to step 2 again, the channel step changes again.

Playing a CD

An 8 cm (3-inch) CD can be played without an adaptor.

- 1 Push **OPEN/CLOSE** to open the CD compartment lid and place a disc.



Labelled surface up

- 2 Close the CD compartment lid.
- 3 Press **CD ►II**. “►CD” and “TRACK 01” appear on the display to indicate that track 1 of the CD is playing.
- 4 Press **VOLUME** to adjust the volume.

To	Press
Pause	CD ►II
Resume play after pause	CD ►II again
Locate the beginning of the current track (AMS*)	◀◀**
Locate the next track (AMS*)	▶▶**
Go back at high speed	Hold down ◀◀**
Go forward at high speed	Hold down ▶▶**
Locate the previous track (AMS*)	◀◀ repeatedly**
Locate the succeeding track (AMS*)	▶▶ repeatedly**
Stop play	■

* AMS = Automatic Music Sensor

** These operations are possible during both play and pause.

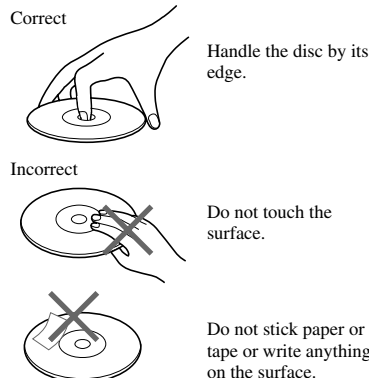
About CD-Rs/CD-RWs

This unit is compatible with CD-Rs/CD-RWs but playback capability may vary depending on the quality of the disc, the recording device and application software.

Music discs encoded with copyright protection technologies

This product is designed to play back discs that conform to the Compact Disc (CD) standard. Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

To handle compact discs



Notes

- Discs with non-standard shapes (e.g., heart, square, star) cannot be played on this unit. Attempting to do so may damage the unit. Do not use such discs.
- If you press **CD ►II** when there is no disc in the CD compartment, “00” flashes for about 5 seconds on the display and the unit turns off automatically.
- After 20 minutes, playback will be stop when you press **CD ►II** during playback.

Various Modes of CD Playback

You can play tracks repeatedly or in random order.

Press **CD PLAY MODE**. Each press changes the play mode as follows:

Display Indication	Play mode
none	(normal play)
All the tracks are played once.	↓
“REP 1”	(single repeat)
A single track is played repeatedly.	↓
“REP ALL”	(all repeat)
All the tracks are played repeatedly.	↓
“SHUFFLE”	(shuffle play)
All the tracks are played once in random order.	↓
“SHUFFLE REP”	(shuffle repeat)
All the tracks are played repeatedly in random order.	

Precautions

- Operate the unit on the power source specified in the “Specifications.”
- The nameplate indicating operating voltage, etc. is located on the bottom of the unit.
- To disconnect the power cord (mains lead), pull it out by the plug, not the cord.
- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
- Do not leave the unit in a location near a heat source such as a radiator or air duct, or in a place subject to direct sunlight, excessive dust, mechanical vibration, or shock.
- Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on a surface (a rug, a blanket, etc.) or near materials (a curtain) which might block the ventilation holes.
- Should any solid object or liquid fall into the unit, unplug the unit and have it checked by a qualified personnel before operating it any further.
- When the casing becomes soiled, clean it with a soft cloth dampened with mild detergent solution. Never use abrasive cleansers or chemical solvents, as they may mar the casing.

If you have any questions or problems concerning your unit, please consult your nearest Sony dealer.

Troubleshooting

Should any problem occur with the unit, make the following checks to determine whether or not servicing is required. If the problem persists, consult the nearest Sony dealer.

The clock does not show the correct time.
• Has an electrical power outage lasting more than one minute occurred?

The CD, radio or buzzer alarm does not sound at the preset alarm time.
• Hasn't all ALARM indicator lights gone out?

The CD or radio alarm is activated but no sound comes on at the preset alarm time.
• Has VOLUME been adjusted ?

The CD player does not operate.
• Did you close the CD lid?

• Did you place the disc correctly?
The disc should be placed with the labelled side up.

• Dusty or defective disc — Clean the disc with an optical cleaning cloth. Wipe the disc from the center out.

• Take out the CD and leave the CD compartment open for about an hour to get rid of moisture condensation.

Sporadic loss of sound in CD operation.

- Dusty or defective disc — Clean or replace the disc.
- Volume too high — Reduce the volume.
- Strong vibration.

Specifications

CD player section

System: Compact disc digital audio system
Laser diode properties:

Material: GaAlAs
Wavelength: 780 nm
Emission duration: Continuous
Laser output: Less than 44.6 μW
(This output is the value measured at a distance of about 200 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.)

Frequency response: 20-20 000 Hz -1.5 dB
Wow and flutter: Below measurable limit

Radio section

Frequency range:
North and South America

Band	Range	Channel step
FM	87.5-108 MHz	0.1 MHz
MW	530-1 610 kHz	10 kHz

Other countries/Regions

Band	Range	Channel step
FM	87.5-108 MHz	0.05 MHz
MW	531-1 602 kHz	9 kHz
LW	153-279 kHz	9 kHz

General

Time display: 12-hour system
Speaker: 66 mm (2 5/8 inches) dia., 4 Ω

Power outputs:
1.2 W + 1.2 W (at 10 % harmonic distortion)

Power requirements: 230 V AC, 50 Hz
Dimensions:

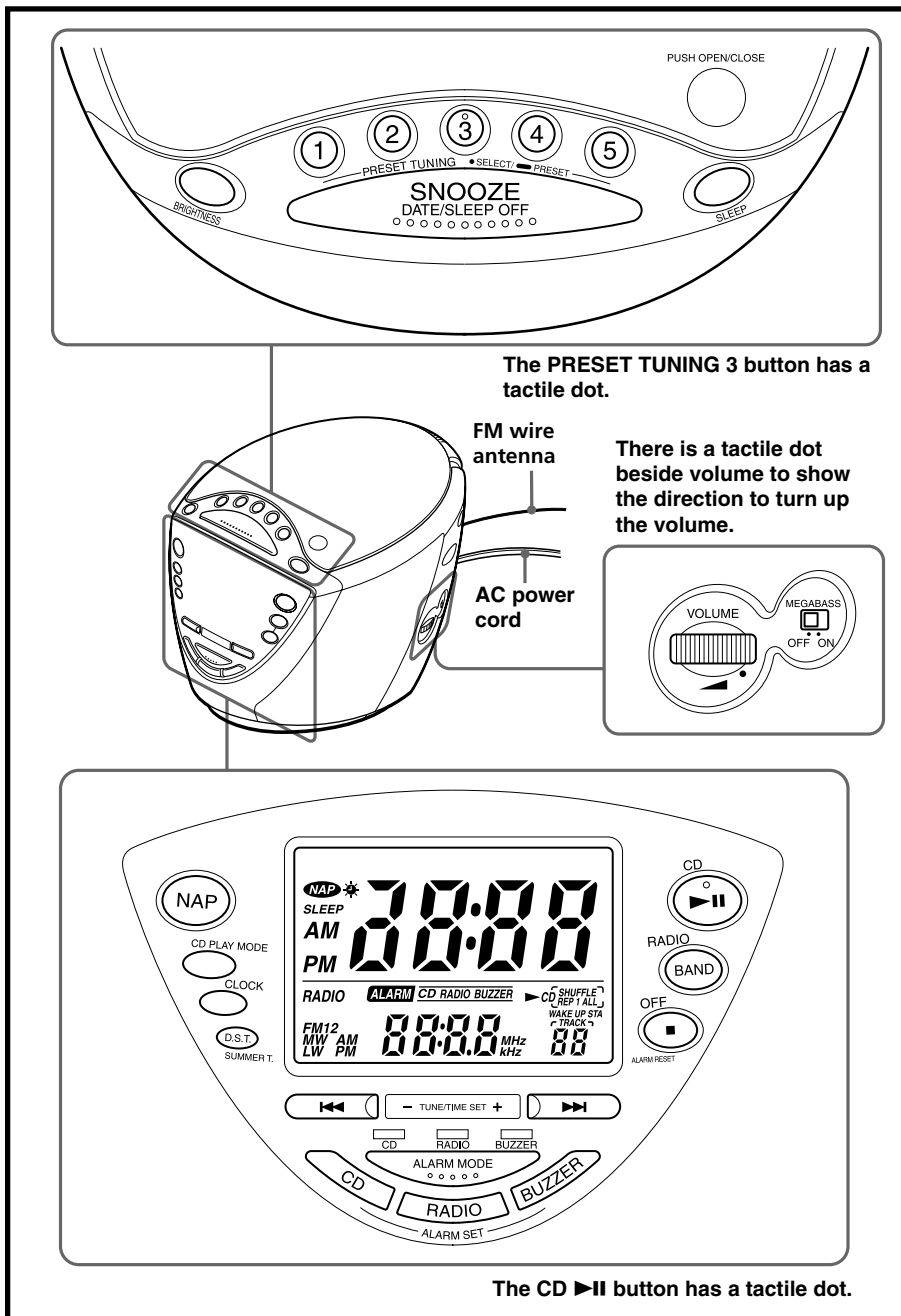
Approx. 185.5 × 176 × 210.5 mm (w/h/d)
(Approx. 7 3/8 × 7 × 8 3/8 inches) incl. projecting parts and controls

Mass: Approx. 1 870 g (4 lb 2 oz)

Design and specifications are subject to change without notice.



Lead-free solder is used for soldering.
Halogenated flame retardants are not used in printed wiring boards.

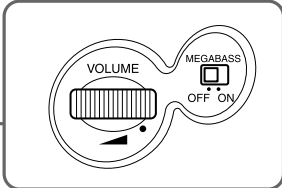


The PRESET TUNING 3 button has a tactile dot.

FM wire antenna

There is a tactile dot beside volume to show the direction to turn up the volume.

AC power cord



The CD ►|| button has a tactile dot.

Setting the Brightness of the Backlight

Press **BRIGHTNESS** to select high, middle or low for the display according to your preference.

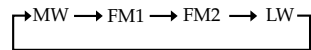
Operating the Radio

—Manual Tuning

1 Press **RADIO•BAND** to turn on the radio. “RADIO” appears on the display.

2 Press **RADIO•BAND** repeatedly to select the desired band.

Each press changes the band as follows:



When using FM1 or FM2 preset mode, you may listen to the radio on either mode (See “Presetting Your Favorite Station”).

3 Use **TUNE/TIME SET +** or **-** to tune into a station.

Two short beeps sound when the minimum frequency of each band is received during tuning.

4 Adjust volume using **VOLUME**.

When you release **TUNE/TIME SET +** or **-** after locating your desired station, the display returns to the previous display after about 10 seconds.

To check the frequency of the tuned-in station, press **RADIO•BAND** and the frequency appears for about 10 seconds.

To turn off the radio, press **OFF ■•ALARM RESET**.

Improving the Reception

FM: Extend the FM wire antenna fully to increase reception sensitivity.

MW/LW: Rotate the unit horizontally for optimum reception. A ferrite bar antenna is built into the unit.

Do not operate the unit over a steel desk or metal surface, as this may lead to interference of reception.

Presetting Your Favorite Station

—Preset Tuning

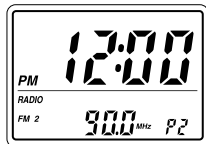
You can preset up to 10 stations in FM (5 stations in FM1, 5 stations in FM2), and 5 stations each in MW, LW.

Presetting a Station

1 Follow steps **1** to **4** in “Operating the Radio” and manually tune into the station you wish to preset.

2 Hold down the **PRESET TUNING** button you wish to preset until you hear two short beeps.

Example: Display window when you preset FM 90 MHz in the **PRESET TUNING 2** button for FM2.



The frequency remains on the display for about 10 seconds and then returns to the previous display.

To preset another station, repeat these steps. To change the preset station, tune into the desired station and hold down the **PRESET TUNING 1** to **5** button. The new station will replace the previous station on the **PRESET TUNING** button.

Tuning into a Preset Station

1 Press **RADIO•BAND** to turn on the radio.

2 Press **RADIO•BAND** to select the band.

3 Press the desired **PRESET TUNING** button.

4 Adjust the volume using **VOLUME**. After about 10 seconds, the display will return to the previous display but the **PRESET TUNING** button number will remain.

Note

Holding down the desired **PRESET TUNING** button for more than a few seconds in step **3** will replace the previous station on the **PRESET TUNING** button with the station you are tuned into.

Setting the Alarm

This clock radio is equipped with 3 alarm modes—CD, radio and buzzer. Before setting the alarm, make sure to set the clock (see “Setting the Clock and Date”).

To Set the Alarm Time

To Set the CD Alarm:

For the CD alarm, the track you specified as the Wake-up track is played first. (If the CD play mode is set to “SHUFFLE” or “SHUFFLE REP”, however, all the tracks are played in random order.)

- With the alarm turned on, adjust the volume to the level you require.
- Press **ALARM SET CD** for a few seconds. “ALARM”, “CD” appear on the display. After one beep, “ALARM” and the hour will start to flash in the display.
- Press **TUNE/TIME SET +** or **-** until the desired hour appears. To set the hour rapidly, hold down **TUNE/TIME SET +** or **-**.
- Press **ALARM SET CD**. The minute will flash.
- Repeat step **3** to set the minute and press **ALARM SET CD**. The wake-up track number flashes on the display.
- Press **TUNE/TIME SET +** or **-** to select the desired wake-up track number. The wake-up track number can be set up to 99.
- Press **ALARM SET CD**. Two short beeps will confirm the setting.

To Set the Radio Alarm:

For the radio alarm, the station you specified as the Wake-up station is played.

- Tune into a station and adjust the volume.
- Press **ALARM SET RADIO** for a few seconds. “ALARM” and “RADIO” appear on the display. After one beep, “ALARM” and the hour will start to flash on the display.
- Press **TUNE/TIME SET +** or **-** until the desired hour appears. To set the hour rapidly, hold down **TUNE/TIME SET +** or **-**.
- Press **ALARM SET RADIO**. The minute will flash.
- Repeat step **3** to set the minute and press **ALARM SET RADIO**. “WAKE UP STA” appears and the preset number flashes on the display.
- Press **TUNE/TIME SET +** or **-** to select the wake-up station. Preset number changes in the order as follows:

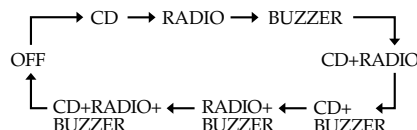
“P-” is the last received station. You can directly select the desired wake-up station by pressing **RADIO•BAND** or the **PRESET TUNING** button while the indication “P-” is not displayed.
- Press **ALARM SET RADIO**. Two short beeps will confirm the setting.

To Set the Buzzer Alarm:

- Press **ALARM SET BUZZER** for a few seconds. “ALARM” and “BUZZER” appear on the display. After one beep, “ALARM” and the hour will start to flash on the display.
- Press **TUNE/TIME SET +** or **-** until the desired hour appears. To set the hour rapidly, hold down **TUNE/TIME SET +** or **-**.
- Press **ALARM SET BUZZER**. The minute will flash.
- Repeat step **2** to set the minute and press **ALARM SET BUZZER**. Two short beeps will confirm the setting.

To Set the Alarm Mode

Before setting the alarm mode, be sure to set the alarm time. (See “To Set the Alarm Time”.) Repeat the pressing of **ALARM MODE** to select the alarm mode you want. Every time you press **ALARM MODE**, CD/RADIO/BUZZER indicator changes in the order as follows:



The alarm time which plays or sounds next is displayed.

To Check the Alarm Setting

For **ALARM SET CD**, pressing once displays the alarm time, pressing twice displays the wake-up track number.

For **ALARM SET RADIO**, pressing once displays the alarm time, pressing twice displays the wake-up station.

For **ALARM SET BUZZER**, pressing once displays the alarm time.

The display shows the alarm setting for a few seconds and then returns to the previous display.

Alarm time in CD alarm, radio alarm and buzzer alarm is set at AM 12:00 when you purchased the unit.

ALARM ON—

If you set the CD alarm and there is no disc in the CD player, the buzzer alarm will sound in its place at the time set.

For the buzzer alarm, the beeping of the alarm becomes more rapid after every few seconds in three progressive stages.

Note

When CD, radio and buzzer alarms are set for the same time, the CD alarm takes precedence. If the CD alarm is not set, the radio alarm takes precedence.

To Doze for a Few More Minutes

Press **SNOOZE•DATE/SLEEP OFF**. The CD, radio or buzzer alarm turns off but will be automatically activated again after about 10 minutes. Every time you press **SNOOZE•DATE/SLEEP OFF**, the snooze time changes as follows:



The display shows the snooze time for a few seconds and returns to show the current time. When you press **SNOOZE•DATE/SLEEP OFF** after the current time appears, the snooze time starts from 10 minutes again.

The maximum length of the snooze time is 60 minutes.

ALARM OFF—

The CD, radio, or buzzer alarm is turned off automatically after 60 minutes.

To Stop the Alarm

Press **OFF ■•ALARM RESET** to turn off the alarm. The alarm will come on again at the same time the next day.

To Deactivate the Alarm

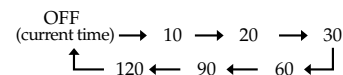
Press **ALARM MODE** repeatedly until CD/RADIO/BUZZER indicator go off.

Using the NAP Timer (Count Down Timer)

The NAP timer sounds the buzzer after a preset time duration.

Press **NAP** repeatedly until the desired minutes are displayed.

Every press changes the display as follows:



“**NAP**” and the NAP time is displayed for a few seconds.

NAP timer starts counting down the NAP time.

When the selected NAP time has passed, a beep sounds, and “**NAP**” appears in the display.

To Stop NAP Timer

Press **NAP** or **OFF ■•ALARM RESET** to turn off the buzzer.

To Deactivate NAP Timer

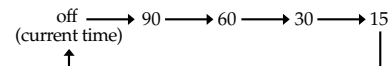
Press **NAP**.

“**NAP**” goes off in the display.

Setting the Sleep Timer

You can fall asleep to the CD or the radio using the built-in sleep timer to turn off the CD or the radio automatically after a preset duration.

Press **SLEEP** during CD or radio play. You can set the sleep timer to durations of 90, 60, 30, or 15 minutes. Every push changes the display as follows:



“SLEEP” will appear in the display when the duration time is set.

The CD or the radio will play for the time you set, then shut off.

To turn off the CD or the radio before the preset time, press **SNOOZE•DATE/SLEEP OFF**.

Other Useful Functions

To Obtain Powerful Bass

Switch **MEGA BASS** to **ON**.

The “MEGA BASS” system produces a powerful bass sound.