

SONY®

3-249-145-24 (1)

FM/AM Clock Radio

Operating Instructions

DREAM MACHINE

ICF-C630

DREAM MACHINE is a trademark of Sony Corporation.

© 2003 Sony Corporation Printed in China

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

For customers who purchased this product in the USA Please register this product on line at <http://www.sony.com/productregistration>. Proper registration will enable us to send you periodic mailings about new products, services, and other important announcements. Registering your product will also allow us to contact you in the unlikely event that the product needs adjustment or modification. Thank you.

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.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Before You Begin

Thank you for choosing the Sony Dream Machine! It will give you many hours of reliable service and listening pleasure.

Before operating the radio, please read these instructions thoroughly and retain them for future reference.

Features

- Dual alarm FM/AM clock radio.
- You can set Radio and Melody alarms to different time. (You can select Melody sound from the following; 1. Buzzer, 2. "Morning" from "Peer Gynt," by Grieg - suite No.1, Op.46, 3. "For Eliza" by Beethoven.)
- Triple display—main display for the clock, and two sub-displays for the alarms.
- Nap timer—Count down Timer (10,20,30,60,90,120 minutes)
- Extendable Snooze time from 10 to 60 minutes.
- LCD with brightness adjustment backlight. (High/Medium/Low)
- D.S.T. (Daylight Saving Time)—Summer time adjustment (one-hour skip function).
- AC/DC operation—You can place the radio anywhere you like using it with the AC power adaptor or the batteries.

Precautions

- Operate the unit only on 4.5 V DC. For battery operation, use two size AA (R6) batteries. For AC operation, use only the recommended AC power adaptor.
- The unit is not disconnected from the AC power source (mains) as long as it is connected to a wall outlet, even if the unit itself has been turned off.
- The nameplate indicating operating voltage, etc. is located on the bottom exterior.
- Avoid exposure to temperature extremes, direct sunlight, moisture, sand, dust or mechanical shock. Never leave in a car parked under the sun.
- Should any solid object or liquid fall into the unit, disconnect the AC power adaptor and remove the batteries, and have the unit checked by qualified personnel before operating it any further. Make sure that no liquid or foreign material enters the DC IN 4.5 V jack of the unit. This may lead to the malfunction of the unit.
- In vehicles or buildings, radio reception may be difficult or subject to interference. Try listening near a window.

- Since a strong magnet is used for the speaker, keep away personal credit cards using magnetic coding or spring-wound watches from the unit to prevent possible damage from the magnet.
- When the casing becomes soiled, clean it with a soft dry cloth moistened with mild detergent solution. Never use abrasive cleansers or chemical solvents, as they may deform 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 your nearest Sony dealer.

The clock does not show the correct time.

- Has an electrical power outage lasting more than 4 minutes occurred?

The radio, buzzer or melody alarm does not sound at the preset alarm time.

- Has the desired radio, buzzer or melody alarm been activated? (i.e. Is the ALARM **A** or ALARM **B** indication lit?)

The radio alarm is activated but no sound comes on at the preset alarm time.

- Has a station been tuned in before setting the radio alarm?
- The volume is set to the minimum level.

Very weak or interrupted sound, or unsatisfactory reception.

- Weak batteries.
- When in a vehicle or building, move closer to a window.

Display is dim, or no indication is displayed.

- Weak batteries.
- The unit is being used in extremely high or low temperatures or in a place with excessive moisture.

Sound is not heard and "⏏" appears in the display.

- Batteries are exhausted.

Specifications

Time display:

12-hour system

Frequency range:

FM: 87.5–108 MHz

AM: 530–1 710 kHz

Speaker:

Approx. 5.7 cm (1/4 in), 4 Ω

Power output:

120 mW (at 10% harmonic distortion)

Power requirements:

3 V DC, two Size AA (R6) batteries

External power source:

DC IN 4.5 V

Dimensions:

Approx. 94 × 104 × 82 mm (w/h/d)
(3 3/4 × 4 1/8 × 3 1/4 in) incl. projecting parts and controls

Approx. 94 × 103 × 82 mm (w/h/d)
(3 3/4 × 4 1/8 × 3 1/4 in) not incl. projecting parts and controls

Mass:

Approx. 313 g (11 oz) incl. batteries

Accessories supplied:

AC power adaptor (1)

Design and specifications are subject to change without notice.

Choosing Power Sources

(See Fig. **A**)

Installing the Batteries

Press the tab of the battery compartment lid inward and pull upward to open the lid.

Install two Size AA (R6) batteries (not supplied) with the correct polarity and close the lid.

"AM12:00" flashes in the display when you install batteries for the first time. To stop the display from flashing, set the clock. (See "Setting the Clock.")

Note

When operating the unit on batteries, remove the AC power adaptor from the DC IN jack. The unit cannot be operated on batteries when the AC power adaptor is connected to the DC IN jack.

Battery Life (Approx. hours)	(JEITA*)	
When using	FM	AM
Sony alkaline size AA (LR6)	68	71
Sony size AA (R6)	27	30

* Measured by JEITA (Japan Electronics and Information Technology Industries Association) standards. The actual battery life may vary depending on the circumstance of the unit.

When to replace the batteries

When the batteries become weak, the sound becomes weak and distorted. "⏏" flashes on the display. When the batteries are completely exhausted, "⏏" appears on the display and the power is turned off.

Note on replacing the batteries

Do not take more than 3 minutes to replace the batteries, otherwise the clock and standby settings will be deleted from the memory. Should that happen, reset the functions again. After the batteries are replaced, press **RADIO ON/OFF** to turn off "⏏".

Notes on Batteries

- Do not charge dry batteries.
- Do not carry dry batteries together with coins or other metallic objects. It can generate heat if the positive and negative terminals of the batteries accidentally come into contact with metallic objects.
- Do not use different types of batteries at the same time.
- When you replace the batteries, replace all with new ones.

Using House Current (See Fig. **B**)

Connect the Sony AC power adaptor to the DC IN 4.5 V jack firmly, and plug it into a wall outlet. The power source will automatically switch to the external power source even if batteries are installed.

Notes on the AC power adaptor

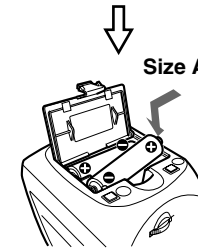
- When operating the unit with an external power source, do not remove the batteries. These batteries serve to backup the clock and standby settings. Since batteries discharge in this case as well, we recommend changing them about once a year.
- When you connect/disconnect the external power source plug, "⏏" may appear in the display. If this occurs, turn on the radio to make "⏏" disappear.
- When operating the unit with the internal batteries, remove the AC power adaptor from the wall outlet and the DC IN 4.5 V jack. Make sure that the plug of the external power source is disconnected before operating the unit.
- Use the recommended Sony AC power adaptor only. The polarity of the plugs of other manufacturers may be different. Failure to use the recommended AC power adaptor may cause the unit to malfunction.



Polarity of the plug

A

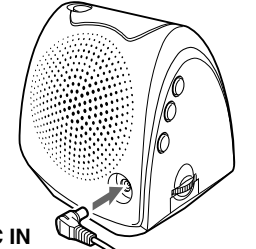
Bottom



Insert the ⊖ side of the battery first.

B

Rear



To DC IN 4.5 V jack

AC power adaptor

To a wall outlet

SONY®

Portable Audio

LIMITED WARRANTY (U.S. Only)

Sony Electronics Inc. ("Sony") warrants this product against defects in material or workmanship for the time periods and as set forth below. Pursuant to this Limited Warranty, Sony will, at its option, (i) repair the product using new or refurbished parts or (ii) replace the product with a new or refurbished product. For purposes of this Limited Warranty, "refurbished" means a product or part that has been returned to its original specifications. **In the event of a defect, these are your exclusive remedies.**

Term: For a period of one (1) year from the original date of purchase of the product, Sony will, at its option, repair or replace with new or refurbished product or parts, any product or parts determined to be defective.

This Limited Warranty covers only the hardware components packaged with the Product. It does not cover technical assistance for hardware or software usage and it does not cover any software products whether or not contained in the Product; any such software is provided "AS IS" unless expressly provided for in any enclosed software Limited Warranty. Please refer to the End User License Agreements included with the Product for your rights and obligations with respect to the software.

Instructions: To obtain warranty service, you must deliver the product, freight prepaid, in either its original packaging or packaging affording an equal degree of protection to the Sony authorized service facility specified. **It is your responsibility to backup any data, software or other materials you may have stored or preserved on your unit. It is likely that such data, software, or other materials will be lost or reformatted during service and Sony will not be responsible for any such damage or loss.** A dated purchase receipt is required. For specific instructions on how to obtain warranty service for your product,

The Address of the Laredo Fulfillment Center is:

Laredo Fulfillment Center
10227 Crossroads Loop Suite B
Laredo, TX 78045

Visit Sony's Web Site:
www.sony.com/service

Or call the **Sony Customer Information Service Center**
1-800-222-SONY (7669)

For an accessory or part not available from your authorized dealer, call:

1-800-488-SONY (7669)

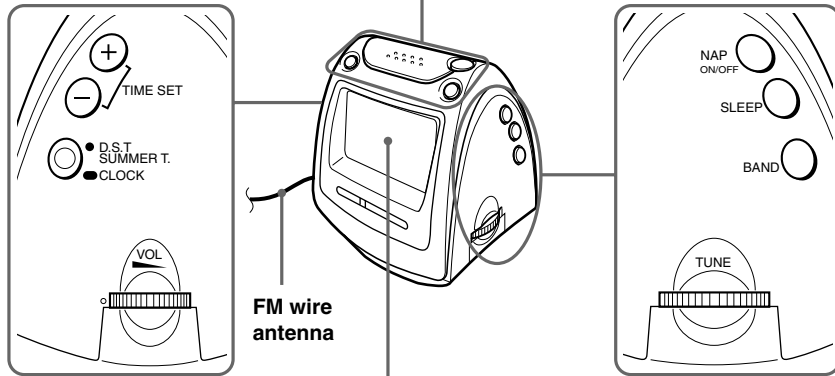
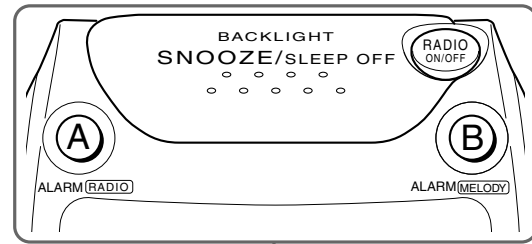
Repair / Replacement Warranty: This Limited Warranty shall apply to any repair, replacement part or replacement product for the remainder of the original Limited Warranty period or for ninety (90) days, whichever is longer. Any parts or product replaced under this Limited Warranty will become the property of Sony.

This Limited Warranty only covers product issues caused by defects in material or workmanship during ordinary consumer use; it does not cover product issues caused by any other reason, including but not limited to product issues due to commercial use, acts of God, misuse, limitations of technology, or modification of or to any part of the Sony product. This Limited Warranty does not cover Sony products sold AS IS or WITH ALL FAULTS or consumables (such as fuses or batteries). This Limited Warranty is invalid if the factory-applied serial number has been altered or removed from the product. This Limited Warranty is valid only in the United States.

LIMITATION ON DAMAGES: SONY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT.

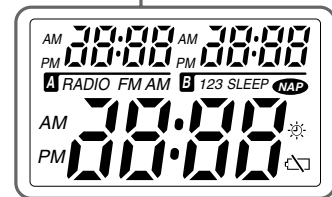
DURATION OF IMPLIED WARRANTIES: EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This Limited Warranty gives you specific legal rights and you may have other rights which vary from state to state.



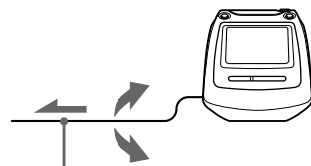
There is a tactile dot beside VOL to show the direction to turn up the volume.

FM wire antenna



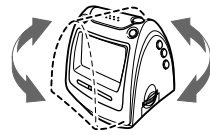
C

Ⓐ



FM wire antenna

Ⓑ



You can listen to buzzer and two kinds of melodies by pressing **BACKLIGHT•SNOOZE/SLEEP OFF** while “AM 12:00” is flashing (Demo function). To stop buzzer or melodies, press **RADIO ON/OFF**. To listen to buzzer or melodies again, press **BACKLIGHT•SNOOZE/SLEEP OFF**.

To deactivate Demo function, set the clock. (See “Setting the Clock.”)

Setting the brightness of the backlight

Note

The brightness of the backlight is fixed when using the unit on batteries.

When using batteries:

Press **BACKLIGHT•SNOOZE/SLEEP OFF**.

The backlight will light for 5 seconds.

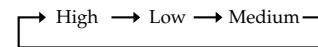
If any buttons are pressed while the backlight is on, the backlight will turn off 5 seconds after pressing the button.

When using on House current:

The initial setting for the brightness of the backlight is High.

Press **BACKLIGHT•SNOOZE/SLEEP OFF** for 2 seconds.

Each press changes the brightness of the backlight as follows.



Setting the Clock

The display will flash “AM 12:00” when the batteries are installed or the AC power adaptor is plugged in for the first time.

- Press and hold down **CLOCK/D.S.T.** for a few seconds. You will hear a beep and the hour will start to flash in the display.
- Press **TIME SET +** or **–** until the correct hour appears in the display.
- Press **CLOCK/D.S.T.** once. You will hear a beep and the minutes will start to flash in the display.
- Repeat steps 2 and 3 to set the minutes. After setting the minutes, press **CLOCK/D.S.T.** You will hear two beeps and the clock will start counting from zero second.

- To set the current time rapidly, hold down **TIME SET +** or **–**.
- To adjust the time exactly to the second, press **CLOCK/D.S.T.** simultaneously with the time signal.

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

Press **CLOCK/D.S.T.**

“☀” is displayed and the time indication changes to summer time.

To deactivate the summer time function, press **CLOCK/D.S.T.** again.

Improving the reception

FM: Extend the FM wire antenna fully to improve the reception (see Fig. **C**-Ⓐ).

AM: Rotate the unit horizontally for optimum reception. A ferrite bar antenna is built into the unit (see Fig. **C**-Ⓑ).

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

Playing the Radio

- Press **RADIO ON/OFF** to turn on the radio.
- Press **BAND** to select the band.
- Use **TUNE** to tune in to the desired station.
- Adjust volume using **VOL**.

- To turn off the radio, press **RADIO ON/OFF**.

Setting the Alarm

Before setting the time for the radio, buzzer and melody alarms, make sure you have set the current time (see “Setting the Clock”). For the radio alarm, make sure you have tuned in to a radio station beforehand (see “Playing the Radio”).

To Set the Alarm Time

To Set the Radio Alarm

- Press and hold down **ALARM A** for a few seconds. You will hear a beep. The **ALARM A** indication and the hour will start to flash in the display.
- Press **TIME SET +** or **–** until the correct hour appears in the display.
- Press **ALARM A** once. You will hear a beep and the minutes will start to flash in the display.
- Repeat steps 2 and 3 to set the minutes. After setting the minutes, press **ALARM A**. You will hear two beeps which confirm the setting.

To Set the Buzzer or Melody Alarm

- Press and hold down **ALARM B** for a few seconds. You will hear a beep. The **ALARM B** indication and the hour will start to flash in the display.
- Press **TIME SET +** or **–** until the correct hour appears in the display.
- Press **ALARM B** once. You will hear a beep and the minutes will start to flash in the display.
- Repeat steps 2 and 3 to set the minutes.
- Repeat steps 2 and 3 to select the alarm sound from buzzer, melody 1 or melody 2. After setting the alarm, press **ALARM B**. You will hear two beeps which confirm the setting. You can choose alarm sound from one of the following.
 - B** 1. Buzzer
 - B** 2. “Morning” from “Peer Gynt,” by Grieg - suite No.1, Op.46
 - B** 3. “For Eliza” by Beethoven

Note

To adjust the radio alarm volume, turn **VOL**. The volume for buzzer and melody is fixed.

Alarm On—

To activate the alarm

For the radio alarm:

Press **ALARM A**.

The **ALARM A** indication appears and the alarm time is shown.

For the buzzer or melody alarm:

Press **ALARM B**.

The **ALARM B** indication appears and the alarm time is shown.

The alarm will come on at the preset time and will automatically turn itself off after about 30 minutes.

Notes

- When the alarm comes on at the preset time, **ALARM A** or **ALARM B** indication flashes.
- If you do not set the alarm time and **ALARM A** or **ALARM B** indication is lit, the alarm will sound at PM 12:00.
- For the buzzer alarm, the beeping of the alarm becomes more rapid after about every 15 to 20 seconds in 3 progressive stages.

Alarm Off—

To Stop the Alarm

Press **RADIO ON/OFF** to turn off the alarm.

The alarm will come on again at the same time the next day.

To Deactivate the Alarm

For the radio alarm, press **ALARM A** to turn off **ALARM A** indication.

For the buzzer or melody alarm, press **ALARM B** to turn off **ALARM B** indication.

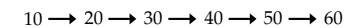
Notes

- The alarm does not function unless you set the clock and activate the alarm function.
- If both Radio alarm and Buzzer or Melody alarm are set for the same time, the radio alarm will take priority.

To Doze for a Few More Minutes

Press **BACKLIGHT•SNOOZE/SLEEP OFF**.

The radio, buzzer or melody turns off but will automatically come on again after about 10 minutes. Every time you press **BACKLIGHT•SNOOZE/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 **BACKLIGHT•SNOOZE/SLEEP OFF** after the current time appeared, the snooze time starts from 10 minutes again.

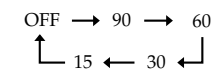
The maximum length of the snooze time is 60 minutes.

- While the snooze function is operating, the alarm indication flashes.

Setting the Sleep Timer

By setting the sleep timer, you can fall asleep to the radio sound. The radio will turn off automatically after a set time. The sleep timer can be set to turn off after 15, 30, 60 or 90 minutes.

- Tune in to the desired station. (See “Playing the Radio.”)
- Press **SLEEP**. The sleep timer setting of “90” appears and “SLEEP” lights up in the display.
- Press **SLEEP** repeatedly to select the desired sleep timer setting while “SLEEP” is lit. Each press changes the display as follows:



You will hear two beeps when the display turns from “OFF” to “90”.

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

To Change the Sleep Timer Setting

Press **SLEEP** repeatedly to select the desired sleep timer setting.

To Deactivate the Sleep Timer

Press **BACKLIGHT•SNOOZE/SLEEP OFF** to turn off the radio before the set time has elapsed, or press **SLEEP** to set the Sleep timer to “OFF” in step 3. “SLEEP” disappears from the display.

To Use Both Sleep Timer and Alarm

You can fall asleep to the radio and also be awakened by the radio, buzzer or melody alarm at the preset time.

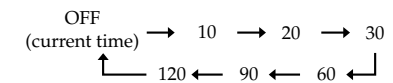
- Set the alarm. (See “Setting the Alarm.”)
- Set the sleep timer. (See “Setting the Sleep Timer.”)

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 is displayed.

Each press changes the display as follows:



You will hear two beeps when the display turns from “OFF” to “10”.

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

NAP timer starts counting down the NAP time.

When selected NAP time has passed, the buzzer comes on, and “**NAP**” flashes in the display.

The buzzer is turned off automatically after about 30 minutes.

To Stop NAP Timer

Press **NAP** or **RADIO ON/OFF** to turn off the buzzer.

To Deactivate NAP Timer

Press **NAP**. “**NAP**” go off.