

# FM/AM Clock Radio

ICF-C318

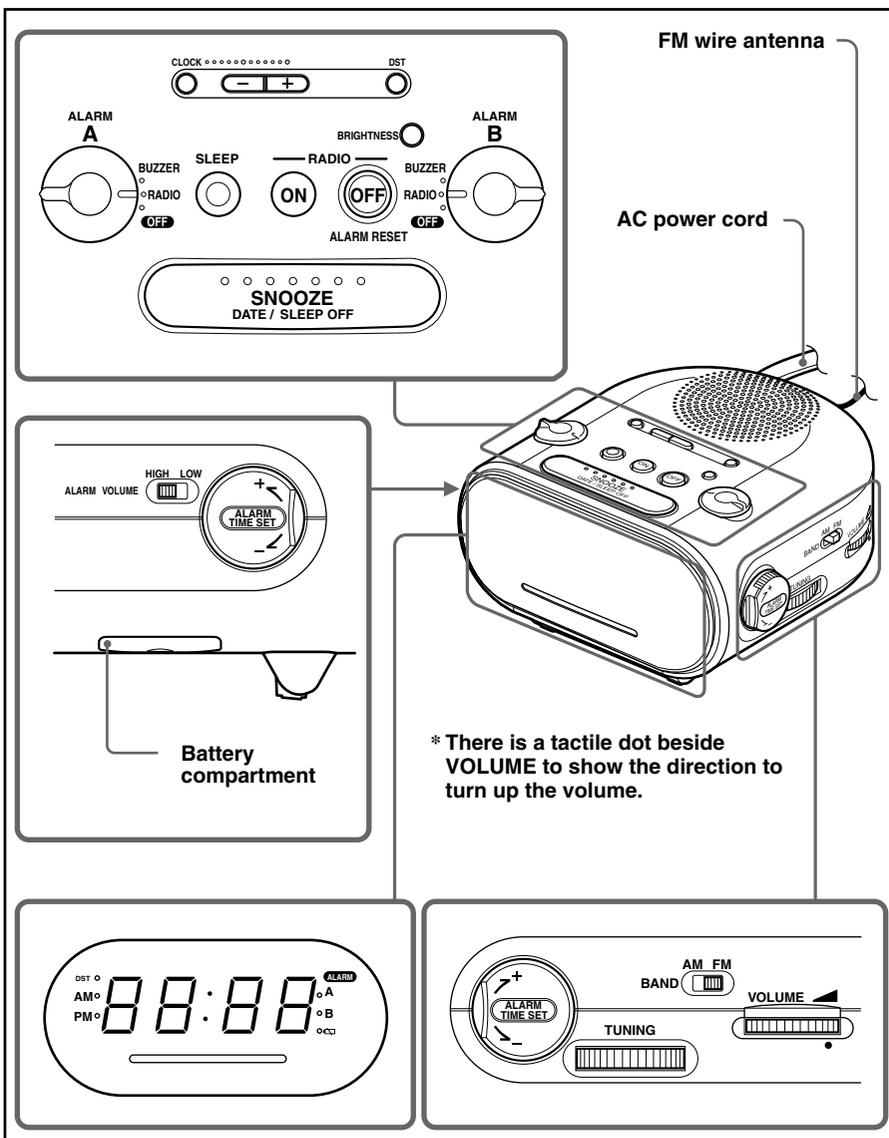
## Operating Instructions

# DREAM MACHINE

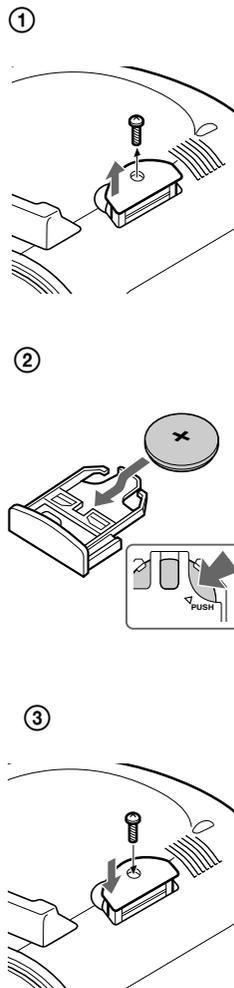
Dream Machine is a trademark of Sony Corporation.

© 2006 Sony Corporation Printed in China

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

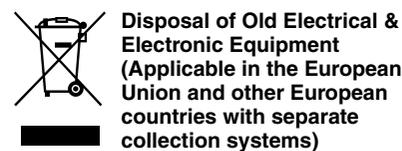


## A



## Precautions

- Operate the unit on the power source specified in "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.
- Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on a surface (a rug, blanket, etc.) or near materials (a curtain) that 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.
- To clean the casing, use a soft cloth dampened with a mild detergent solution.
- Do not connect the antenna lead to the external antenna.
- To reduce the risk of fire, do not cover the ventilation of the apparatus with newspapers, tablecloths, curtains, etc. And do not place lighted candles on the apparatus.



This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

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

## Specifications

### Time display

12-hour System

### Frequency range

Band	Frequency
FM	87.5 – 108 MHz
AM	530 – 1 710 kHz

### Speaker

Approx. 6.6 cm (2 5/8 inches) dia., 8 Ω

### Power output

150 mW (at 10% harmonic distortion)

### Power requirements

230 V AC, 50 Hz  
For power backup: 3 V DC, one CR2032 battery

### Dimensions

Approx. 155 × 82.8 × 151.5 mm (w/h/d)  
(6 1/8 × 3 3/8 × 6 inches) incl. projecting parts and controls

### Mass

Approx. 536.8 g (1 lb 2.9 oz) incl. CR2032 battery; model for UK  
Approx. 522 g (1 lb 2.4 oz) incl. CR2032 battery; model for Australia

Design and specifications are subject to change without notice.

## WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus 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 reduce the risk of fire or electric shock, 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.

### WARNING

Battery may explode if mistreated. Do not recharge, disassemble or dispose of in fire.

## Features

- Dual alarm FM/AM Clock radio.
- Various types of alarms — radio and buzzer.
- Automatic time set — When you plug the clock in for the first time, the current time will be shown in the display (UK model only).
- Automatic Daylight Saving Time/Summer time adjustment (UK model only).
- DST button to adjust Daylight Saving Time/Summer time (for Australian model).
- Date button to display month, day and year.
- Brightness control (High/Middle/Low).
- No Power No Problem alarm system to keep the clock and the alarm operating during a power interruption with a CR2032 battery installed (UK model only).
- Supplied CR2032 battery for backup power source to keep the clock and alarm operating during a power interruption (Australian model only).
- Extendable snooze — snooze time can be extended from 10 to 60 minutes in maximum every time you use.

## Troubleshooting

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

### The clock flashes "AM 12:00" due to a power interruption.

- The battery is low. Replace the battery. Remove the old battery and install a new one.

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

- Has the desired radio or buzzer alarm been activated? (i.e., Does the **ALARM** A (or B) indicator light up?)

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

- Has **VOLUME** been adjusted?

## About the backup battery

To keep good time, as backup power source, this unit has one CR2032 battery inside of the unit in addition to the house current (The battery is supplied with the unit for Australian model).

The battery keeps the clock and the alarm operating in the event of a power interruption.

## Knowing when to replace the battery

When the battery becomes weak, “ $\text{⏻}$ ” indicator appears in the display.

In the event of a power interruption when the battery is weak, current time and alarm functions will be initialized.

Replace the battery with a Sony CR2032 lithium battery. Use of another battery may present a risk of fire or explosion.

### Note for customers in the UK

The clock is preset at the factory, and its memory is powered by the preinstalled Sony CR2032 battery. If the “AM 12:00” flashes on the display when the unit is connected to AC outlet for the first time, the battery may be weak. In this case, consult a Sony dealer. The preinstalled CR2032 battery is considered part of the product, and is covered by the warranty. You are required to show “Note for customers in the UK” (in this instruction) to a Sony dealer in order to validate the warranty for this product.

## Installing and replacing the backup battery

- 1 Keep the AC plug connected to the AC outlet, remove the screw that secures the battery compartment at the bottom of the unit using a screwdriver, and remove the battery compartment. (See Fig. **A-1**)
- 2 Insert a new battery in the battery compartment with the  $\oplus$  side facing up. To remove the battery from the battery compartment, push it out from the side marked PUSH. (See Fig. **A-2**)
- 3 Insert the battery compartment back into the unit and secure it with the screw. (See Fig. **A-3**)
- 4 When you are replacing the battery, press **RADIO ON** to turn “ $\text{⏻}$ ” indicator off in the display.

### Note

If you replace the battery, do not disconnect AC plug from AC outlet. Otherwise, current time and alarm will be initialized.

### NOTES ON LITHIUM BATTERY

- Keep the lithium battery out of the reach of children. Should the battery be swallowed, immediately consult a doctor.
- Wipe the battery with a dry cloth to assure a good contact.
- Be sure to observe the correct polarity when installing the battery.
- Do not hold the battery with metallic tweezers, otherwise a short-circuit may occur.
- Do not expose the battery to excessive heat such as direct sunlight, fire or the like.

### CAUTION

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the equipment manufacturer.

### Battery Warning

When the unit will be left unplugged for a long time, remove the battery to avoid undue battery discharge and damage to the unit from battery leakage.

## Setting the clock for the first time (UK model only)

This unit is preset to the current date and time at the factory, and is powered by the back up battery. All you need to do the first time is just plug it in.

Plug in the unit.

“month and date” (about 1 second) → “year” (about 1 second) → “current time” appears in the display in turn.

### Note

During the shipment and your first use, a clock error may occur. In this case, refer to “Setting the clock and date” to set the correct time.

## When daylight saving time (summer time) begins

The following models employ the Automatic Daylight Saving Time/Summer Time adjustment. The DST indicator in the display appears in the display at the beginning of the daylight saving time (summer time), and disappears at the end of it.

Automatic DST/Summer Time adjustment is based on GMT (Greenwich Mean Time).

- Summer time begins at: 1:00 AM on the final Sunday of March.
- Standard time begins at: 2:00 AM on the final Sunday of October.

## To cancel the Automatic DST/Summer Time adjustment and to set DST display manually

The Automatic DST/Summer Time adjustment can be cancelled.

Press and hold **DST** for more than 3 seconds while the clock is displayed.

A beep sounds, and “Aut → OFF” appears in the display to show that the Automatic DST/Summer Time adjustment is cancelled. The display returns to the clock.

### Notes

- The change timing of Automatic DST/Summer Time adjustment employed by the unit (see above) is subjected to variation by circumstances and the law in each country/region. In such a case, cancel the Automatic DST/Summer Time adjustment and set DST display manually as necessary. The customer who lives in the country/region that has not introduced the daylight saving time (summer time) must cancel Automatic DST/Summer Time adjustment before using the set.
- To activate the Automatic DST/Summer Time adjustment again, press and hold **DST** for more than 3 seconds. A beep sounds, and “Aut → On” appears in the display to show that the Automatic DST/Summer Time adjustment is activated. The display returns to the clock.
- To change the display to the daylight saving time (summer time) manually, see “To change the display to the daylight saving time (summer time) indication.”

## Setting the clock and date

Follow the procedure from step 1 for Australian model. To change the setting for UK model, follow the procedure from step 2.

- 1 Plug in the unit.  
The display will flash “AM 12:00”.
- 2 Press **CLOCK** for more than 2 seconds. You will hear a beep and the year will start to flash in the display.
- 3 Press **+** or **-** until the correct year appears in the display.
- 4 Press **CLOCK**.
- 5 Repeat steps 3 and 4 to set the month, day and time.  
After setting the time, two short beep sound and the clock starts from 0 seconds.

- Pressing and holding **+** or **-** changes the year, month or day rapidly.  
When setting the current time, time changes rapidly by 1 minute-increments up to 10 minutes, and then by 10 minute-increments.
- While setting the clock, you must perform each step within 65 seconds, or the clock setting mode will be cancelled.

## To display the year and date

Press **SNOOZE/DATE/SLEEP OFF** once for the date, and within about 3 seconds press it again for the year.

The display shows the date or year for about 3 seconds and then changes back to the current time. If you connect the AC plug to AC outlet while this unit is powered from the backup power source, the current date and time appears in the following order. (It is same as when the unit is powered on after the power failure.)  
“month and date” (about 1 second) → “year” (about 1 second) → “current time”

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

Change the daylight saving time (summer time) adjustment setting according to the following procedures if:  
– you have Australian model.  
– you have cancelled the Automatic DST/Summer Time adjustment.

Press **DST**.

DST indicator appears in the display and the time indication changes to the daylight saving time (summer time).

To deactivate the daylight saving time (summer time) adjustment, press **DST** again.

## Setting the brightness of the display

Three levels of brightness are available by pressing **BRIGHTNESS**.

High (default) → Middle → Low

## Operating the radio

- 1 Press **RADIO ON** to turn on the radio.
- 2 Adjust volume using **VOLUME**.
- 3 Select **BAND**.
- 4 Tune in to a station using **TUNING**.

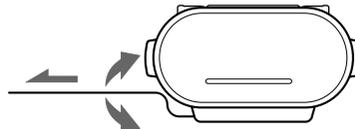
## To turn off the radio

Press **RADIO OFF/ALARM RESET**.

## Improving the reception

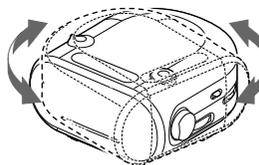
### FM:

Extend the FM wire antenna fully to increase reception sensitivity.



### AM:

Rotate the unit horizontally for optimum reception. A ferrite bar AM antenna is built-in to the unit.



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

## Setting the alarm

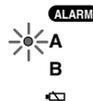
The dual alarm function allows you to set two alarm programs (ALARM A and ALARM B). The alarm time can be set for each program and the alarm sound is selectable from RADIO or BUZZER.

### Notes

- Before setting the alarm, make sure to set the clock (see “Setting the clock and date”).
- The factory setting alarm time is “PM 12:00”.
- To set the radio alarm, first tune in to a station and adjust the volume (see “Operating the radio”).
- When you set the buzzer alarm, set **ALARM VOLUME** to **LOW** or **HIGH**.

## To set the alarm time

- 1 Set **ALARM A (or B)** to the desired alarm sound (**RADIO** or **BUZZER**).  
The alarm time appears for a few seconds, and then the **ALARM A (or B)** indicator lights up in the display. (It does not appear when the switch is set to **OFF**.)
- 2 Turn **ALARM TIME SET A (or B) +** or **-** to set the desired time.  
Each turn of **ALARM TIME SET A (or B) +** or **-** changes the indication by 1 minute. If you turn and hold **ALARM TIME SET A (or B) +** or **-**, the alarm time goes forward (or backward) by 1 minute up to 10 minutes, and then by 10 minutes increments. While setting the alarm time, the **ALARM A (or B)** indicator flashes in the display. The following example is when setting the ALARM A.



When the alarm time setting operation is complete, the display returns to the clock after a few seconds and the **ALARM A (or B)** indicator changes from flashing to fully lit.

- While **ALARM A (or B)** is set to **RADIO** or **BUZZER**, the alarm time setting can be changed by **ALARM TIME SET A (or B)**.  
One turn of **ALARM TIME SET A (or B)** displays the alarm time for about 4 seconds. By turning **ALARM TIME SET A (or B)** while the alarm time appears in the display, the alarm time will be changed.
- The **ALARM A (or B)** indicator flashes in the display while:
  - The alarm time appears in the display.
  - The alarm sounds.
  - Snooze function is turned on.
- The alarm time setting cannot be changed if **ALARM A (or B)** is set to **OFF**. If **ALARM TIME SET A (or B)** is turned, “OFF” appears in the display for about 0.5 seconds.
- If a second alarm sounds during a first (or the snooze function is active), the second alarm takes priority.
- **CLOCK** and **DST** are unavailable while the alarm sounds or snooze function is turned on.
- The **ALARM VOLUME** setting works together with the beep sound volume. If the **ALARM VOLUME** is set to **LOW**, the beep sound will be also set to low.
- The alarm function works as usual at the beginning

and end day of the daylight saving time (summer time). While the Automatic DST/Summer Time adjustment is set (except for Australian model), as a result, if the alarm is set at a time skipped when the daylight saving time (summer time) begins, the alarm is skipped, or if the alarm is set at a time overlapped when the daylight saving time (summer time) ends, the alarm sounds twice.

- If the same alarm time is set for both alarm (ALARM A and B), the ALARM A takes priority.

## To doze for a few more minutes

Press **SNOOZE/DATE/SLEEP OFF**.

The sound turns off but will automatically come on again after about 10 minutes. Each time you press **SNOOZE/DATE/SLEEP OFF**, the snooze time changes as follows:

10 → 20 → 30 → 40 → 50 → 60

The maximum length of the snooze time is 60 minutes.

The display shows the snooze time for about 4 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.

## To stop the Alarm

Press **RADIO OFF/ALARM RESET** to turn off the alarm.

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

If **RADIO OFF/ALARM RESET** is not pressed, the alarm sounds continuously for about 60 minutes, and then it will be stop automatically.

## To deactivate the Alarm

Turn **ALARM A (or B)** to **OFF**.

**ALARM A (or B)** indicator disappears from the display.

## Note on alarm in the event of a power interruption

In the event of a power interruption, alarm functions work until the battery is empty. But following functions are different:

- Display will disappear.
- When the alarm sound is set to RADIO, it will change to BUZZER automatically.
- If the power returns while the alarm sounds, the alarm sounds continuously for about 60 minutes when the power returns.
- The alarm buzzes for about one minute, stops temporarily, and will buzz again after about five minutes if neither **SNOOZE/DATE/SLEEP OFF** or **RADIO OFF/ALARM RESET** are pressed while the alarm is buzzing.  
If the alarm buzzes and stops (either automatically after 1 minute or by pressing **SNOOZE/DATE/SLEEP OFF**) five times, the alarm is automatically reset in the case of a power interruption. The alarm will buzz for 30 minutes after power is resumed if the power is resumed within 60 minutes from the alarm time.
- If you press **SNOOZE/DATE/SLEEP OFF** while the alarm sounds, snooze time is set to 10 minutes. During a power failure, snooze time cannot be set to more than 10 minutes.
- If “ $\text{⏻}$ ” indicator appears in the display, the alarm will not work in the event of power interruption. Replace the battery if “ $\text{⏻}$ ” indicator appears.

## Setting the sleep timer

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

Press **SLEEP**.

The radio turns on. You can set the sleep timer to durations of 90, 60, 30, or 15 minutes. Each press changes the display as follows:

OFF → 90 → 60  
15 ← 30 ←

Two short beeps sound when the display returns to “90”.

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

## To turn off the radio before the preset time

Press **RADIO OFF/ALARM RESET** or **SNOOZE/DATE/SLEEP OFF**.

## To use both sleep timer and alarm

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

- 1 Set the alarm. (See “Setting the alarm”.)
- 2 Set the sleep timer. (See “Setting the sleep timer”.)