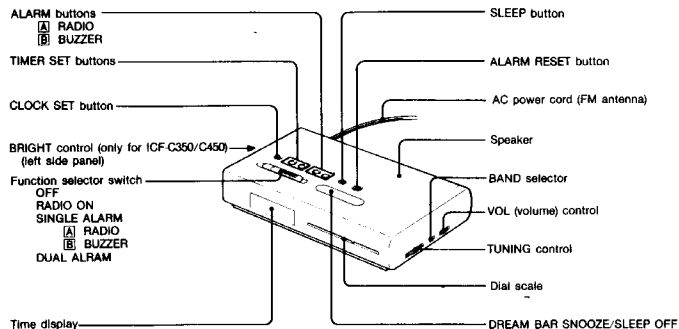


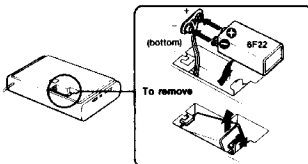
Location and Function of Controls



Power Backup during Power Interruption

Be sure to install an optional 6F22 battery for the power backup function. If the AC power supply is interrupted, the battery supplies power to keep the clock operating and holding the alarm time setting.

- During power interruption, the clock function is maintained although illumination of the indicator goes off, but the alarm sound does not come on.
- After a power interruption, the time shown in the display window may not be always correct (it may gain or lose about six minutes per hour).
- This battery is only for clock operation and alarm memory during power interruption. You cannot listen to the radio with the battery.



When to replace the battery

To check the battery condition, unplug the AC power cord from the wall outlet and plug it in again after a few seconds. If the time on the display is incorrect, replace the battery with a new one.

Concerning the battery life, see "Specifications".

Caution

- Be sure to install the battery before disconnecting the AC power cord.
- When the unit is unplugged from the wall outlet for a long time, be sure to remove the battery to avoid undue battery discharge and unit damage from battery leakage.

Troubleshooting Guide

Should any problem occur with the unit, make the following simple checks to determine whether or not servicing is required. If the problem persists after you have made these checks, consult the nearest Sony dealer for further information.

The clock does not show the current time.

The alarm does not turn on at the preset time.

- There has been an electrical power interruption, is the figure of the time display flickering?
- Is the current time correctly set on the time display?
- Is the alarm time correctly set?
- Is the AM/PM indication correctly set?
- Is the function selector switch correctly set to the desired alarm position?
- Is the desired station tuned in?
- Is the VOLUME control adjusted for the radio alarm?

Features

- High quality FM/AM 2 band radio combined with an electric digital alarm clock and timer.
- Choice of awakening to radio alarm, buzzer alarm, or dual alarm: Alarm (A) (radio) and alarm (B) (buzzer).
- Power backup function to keep the clock operating during a power interruption, using an optional 6F22 battery.
- DREAM BAR SNOOZE/SLEEP OFF: feather-light touch to operate, and having functions: snooze alarm, and sleep timer off.

Precautions

- Operate the unit only on 120 V AC, 60 Hz.
- To disconnect the cord, pull it out by grasping the plug. Never pull it by the cord.
- Do not leave the unit in a location near heat sources, or in a place subject to direct sunlight, excessive dust, or mechanical shock.
- Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes.
- Should any solid object or liquid fall into the unit, unplug the unit and have it checked by qualified personnel before operating it any further.
- When the casing becomes soiled, clean it with a soft cloth dampened with a mild detergent solution. Never use abrasive cleansers or chemical solvents, as they may mar the casing.

If you have any question or problem concerning your unit that is not covered in this manual, please consult the nearest Sony dealer.

Specifications

Frequency range	FM: 87.5 - 108 MHz AM: 530 - 1,710 kHz
Antenna	FM: AC cord antenna AM: Built-in ferrite bar antenna
Speaker	Approx. 6.8 cm (2 5/8 inches) dia.
Power output	200 mW (at 10% harmonic distortion)
Power requirement	120 V AC, 60 Hz For the power backup function: 9 V DC, one 6F22 battery
Battery life	Approx. 40 hours, using Sony battery S-006P (L)
Dimensions	ICF-C320/C400/C450: Approx. 250 × 57 × 158 mm (w/h/d) (9 7/8 × 2 1/4 × 6 1/4 inches) ICF-C340/C350: Approx. 250 × 52 × 164 mm (w/h/d) (9 7/8 × 2 1/8 × 6 1/2 inches)
Weight	Incl. projecting parts and controls Approx. 800 g (1 lb 28 oz) not incl. battery

Design and specifications subject to change without notice.

SONY

J-750-243-01 (1/1)

FM/AM Digital Clock Radio

ICF-C320/C340/C350/ C400/C450

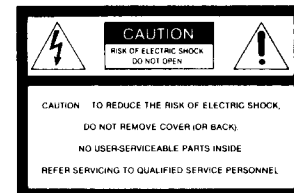
Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

Sony Corporation ©1989 Printed in Malaysia

WARNING

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



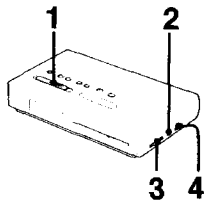
This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

* The graphical symbols are on the bottom enclosure.

Radio Operation



- 1 Set the function selector switch to RADIO ON.
- 2 Select the desired band.
- 3 Tune in the desired station.
- 4 Adjust the volume.

To turn off the radio, set the function selector switch to OFF.

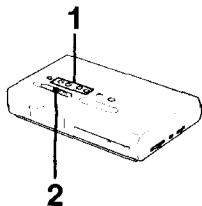
To change the brightness of the time display for ICF-C350/C450, set the BRIGHT control to either L or H.

For Improved Reception

FM: Extend the AC power cord fully to increase the FM sensitivity.

AM: Since the reception is affected by the direction of the radio, rotate the unit horizontally for optimum reception.

How to set the Alarm



1 Set the alarm time for radio or buzzer.

Set the alarm time with TIME SET H and M while holding down ALARM (A) RADIO.
Set the buzzer alarm time with TIME SET H and M while holding down ALARM (B) BUZZER.

To advance the minutes digits rapidly

Keep the H and M buttons pressed while holding down the ALARM button.

2 Set the function selector switch to the desired alarm position: SINGLE ALARM (A) RADIO, (B) BUZZER or DUAL ALARM.

The desired alarm sound will come on at the preset time.

For radio alarm

Tune in the desired station and adjust the volume as described in "Radio operation".

For dual alarm

If you set the radio and the buzzer to the same time, only the radio sound will be heard.

If the buzzer alarm is set for before the time the radio alarm stops, the alarm shifts from radio to buzzer at the alarm preset time.

When The Alarm Sounding Comes To An End

The alarm sound will shut off automatically after 59 minutes.

To stop the radio or buzzer sound, set the function selector switch to OFF or press the ALARM RESET button.

If you wish to stop the dual alarm, press the ALARM RESET button once to stop the radio and once to stop the buzzer.

Snooze alarm function

If you wake to the alarm sound in the morning but want to doze for a few more minutes, just lightly press the DREAM BAR SNOOZE/SLEEP OFF.

The alarm sound will be silenced, but will automatically come on again after about nine minutes. If you want to doze more, press the bar again. You can repeat this snooze function as many times as you like. If you do not want the alarm sound any more after pressing the bar, press the ALARM RESET button.

To wake to the alarm sound at the same time the next day Stop the radio or buzzer sound by pressing the ALARM RESET button. Leave the function selector switch to SINGLE ALARM (A) RADIO or (B) BUZZER or DUAL ALARM.

If you want to listen to the radio continuously

Set the function selector switch to RADIO ON, since the alarm radio stops after 59 minutes.

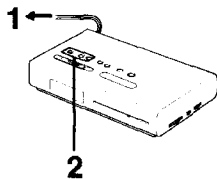
The volume of the alarm sound

The radio volume can be adjusted.
The buzzer volume is fixed.

To check the preset time

Press ALARM (A) RADIO to check the radio preset time, and ALARM (B) BUZZER for the buzzer.

How to Set the Clock



1 Connect the AC power cord to a wall outlet.

Figures will appear and begin to flicker.

2 Adjust the clock to the current time with the TIME SET buttons, H (hour) and M (minute), while holding down the CLOCK button.

AM 12:00 = midnight
PM 12:00 = noon

Note: The minutes digits advance to "00" after "59". The hour digits do not advance.

Zero Second Adjustment

If you want to adjust the time exactly to the second with a radio or a telephone time signal, proceed as in the following example.

Example: To set to 7:15 AM

- 1 Adjust the time indication to 7:14 as described before.
- 2 While holding down the CLOCK SET button, press the M button simultaneously with the radio or the telephone signal. The clock then will begin to operate, showing the precise time.

To advance the minutes digits rapidly

Keep the H and M buttons press while holding down the CLOCK SET button.

Example:

To set to 8:15 AM

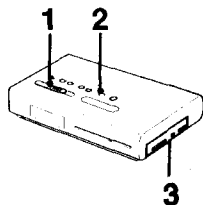
Note: The illustration of the time display is for the ICF-C320/C340/C400.

AM 8:00
PM 8:00

AM 8:15
PM 8:15

How to Set the Sleep Timer

By using the sleep timer, you can fall asleep while listening to the radio. You can set the sleep time so that the radio turns off up to 59 minutes later.



1 Set the function selector switch to RADIO OFF.

2 Press SLEEP.

The radio turns on. The radio will turn off after 59 minutes.

To set the desired time

The digits will be reduced by keeping SLEEP pressed. So, you can set the desired time within the range from 59 minutes to 1 minute.

AM 59 → PM 58 → PM 10

3 Tune in the desired station and adjust the volume. The radio will turn off automatically after the preset time had elapsed.

To turn off the radio before the preset time Press the DREAM BAR SNOOZE/SLEEP OFF.

To check the remaining minutes Press the SLEEP button lightly.

If the preset alarm time comes while the sleep timer is operating The alarm buzzer will not sound.