Operating Instructions

FM/AM

CD Clock Radio

Owner's Record
The model number and the serial number are located on the bottom. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.
Model No. ICF-CD821
Serial No.

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

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.

CAUTION
The use of optical instruments with this product will increase eye hazard.

Before You Begin
Thank you for choosing the Sony CD clock radio. The CD clock radio will give you many hours of reliable service and lasting pleasure. Before operating the CD clock radio, please read these instructions thoroughly and retain them for future reference.

Features
- You can wake up to CD, radio and buzzer with the snooze function.
- You can wake up to any track on CD.
- Dual alarm
- Three-inch disc can be played without an adaptor.
- Self power back-up. Even if the power supply is interrupted, the time setting and the memory will be backed up for approx. 1 minute.

Precautions
- Operate the unit on the power source specified in the "Specifications".
- The nameplate indicating operating voltage, etc. is located at the bottom of the unit.
- To disconnect the power cord (mains lead), pull it out by the plug, not the cord.
- Do not leave the unit in a location near a heat source such as a radiator or draft, 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 (e.g., 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.
- To clean the casing, use a soft cloth dampened with a mild detergent solution.
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.
- There was an electrical power interruption lasting for more than 1 minute.

The CD player does not operate.
- Did you place a disc correctly? The disc should be placed with the labelled surface up.
- Did you close the compartment lid completely?
- Dusty or defective disc—Clean the disc with an optical disc cleaner.

Skipping of sound in CD operation
- Dusty or defective disc—Clean the disc.
- Dirt on lens—Clean the lens with a commercially available blower.
- Strong vibration

The CD, radio or buzzer alarm does not activate at the preset time.
- Did you set the current time correctly?
- Did you set the alarm time correctly?
- Did you close the CD compartment lid completely?
- Did you adjust the volume?

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 pW
* This output is the value measured at a distance of about 200 mm from the protective lens surface on the optical pick-up block with 7 mm aperture.
Frequency response: 20 – 20,000 Hz ± 1 dB
Wow and flutter: Below measurable limit

Radio section
Frequency range:
FM 87.5 – 108.0 MHz
AM 530 – 1605 kHz

General
Speaker: Full range: 7.7 cm (3 1/8 inches) 4 ohms
Power output: 1.2 W + 1.2 W (at 10% harmonic distortion)
Power requirements:
AC 120 V, 60 Hz
Dimensions: Approx. 290 x 120 x 208 mm (w/h/d) (Approx. 11 1/2 x 4 3/4 x 8 3/4 inches) incl. projecting parts and controls
Mass: Approx. 1.7 kg (3 lb 12 oz)

Design and specifications are subject to change without notice.

LIMITED WARRANTY
(Fortable Audio) FOB 305 U.S.A.

IMPORTANT SAFEGUARDS
For your protection, please read these safety instructions completely before operating the appliance, and keep this manual for future reference.

Carefully observe all warnings, precautions and instructions on the appliance and described in the operating instructions supplied with the appliance by Sony.

INSTALLATION
Water and Moisture
Do not install the appliance near water: for example, near a bathtub, washtub, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.

Heat
Do not install the appliance near sources of heat such as radiators, heat registers, stoves, or other appliances that produce heat.

Ventilation
Slots and openings in the cabinet and in the back or bottom are provided for necessary ventilation. To ensure reliable and safe operation of the appliance, and to protect it from overheating, these slots and openings must never be blocked or covered.

Carts and Stands
Do not install the appliance on an unstable table, shelf, cart, or stand. Use only a cart or stand recommended by Sony.

Wall or Ceiling Mounting
If your appliance can be mounted to a wall or ceiling, mount it only as recommended by Sony.

USE
Power Source
Connect the appliance to a power supply only of the type described in the operating instructions or as marked on the appliance.

Grounding or Polarization
Do not defeat the grounding or polarization feature of the AC power cord. If your AC receptacle will not accept the power cord plug, contact your electrician to install a proper AC receptacle.

AC Receptacle
Check to make sure that the AC receptacle holds the power cord plug firmly and securely. If the power cord plug is loose, contact your electrician to replace the defective and unsafe AC receptacle.

Power-Cord Protection
Route the power cord so that it is not likely to be walked on or pinched by objects placed on it, paying particular attention to the plugs, receptacles, and the point where the cord exits from the appliance.

When not in use
Unplug the power cord of the appliance from the outlet when left unused for a long period of time.

Cleaning
Clean the appliance only as recommended by Sony.

ANTENNAS
Outdoor Antenna Grounding
If an outdoor antenna or cable system is installed, follow the precautions below.

An outdoor antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can come in contact with such power lines or circuits.

WHEN INSTALLING AN OUTDOOR ANTENNA SYSTEM, EXTREME CARE SHOULD BE TAKEN TO KEEP FROM CONTACTING SUCH POWER LINES OR CIRCUITS AS CONTACT WITH THEM IS ALMOST INvariably FATAL.

Be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810-20 of the National Electrical Code provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Antenna Grounding According to the National Electrical Code

Antenna Lead-in Wire
Antenna Discharge Unit (NEC* Art 810-20)
Grounding Conductors (NEC* Art 810-21)

Grounding Electrode System

Service
Unplug the appliance from the wall outlet and consult qualified service personnel when:
- the power cord or the plug has been damaged
- a solid object or liquid has fallen into the cabinet
- the appliance has been exposed to rain or moisture
- the appliance does not appear to operate normally or exhibits a marked change in performance
- the appliance has been dropped, or the enclosure damaged

Do not attempt to service the appliance beyond that described in the operating instructions. For all other servicing refer to qualified service personnel only.
Setting the Clock

Set the time when the CD or radio is turned off.

1. Plug in the unit.
2. While holding down \( \text{TRACK/CLOCK} \), press either \( \text{TIME SET/TRACK} \) or \( \text{WAKE UP TRACK} \) until the correct time appears in the display.
   - To set the current time rapidly, keep pressing the \( \text{WAKE UP TRACK} \) button while holding down \( \text{TRACK/CLOCK} \).
   - To set the current time from zero seconds, at step 2, release \( \text{TRACK/CLOCK} \) with the time signal.

Playing a CD

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

1. Lift \( \text{LIFT OPEN} \) to open the CD compartment lid and place a disc.
2. Press \( \text{CD} \) and the display lights “01”. The current number (01 to 99) appears in the display window. After 10 seconds, the indication becomes the current time, but the \( \text{CD} \) indication remains.
3. Adjust \( \text{VOLUME} \).

Locating a Particular Portion

Locating a particular selection (AMS*)

To locate the beginning of the current selection, press \( \text{=} \).
   - To locate the next selection, press \( ^{+} \).
   - To locate a particular point in a selection (SEARCH)
     - To go back at high speed, keep \( ^{+} \) pressed.
     - To go ahead at high speed, keep \( = \) pressed.

* AMS is the abbreviation of Automatic Music Sensor.

Locating a particular selection

- If you press \( ^{+} \) repeatedly, the player locates the previous selections.
- If you press \( = \) repeatedly, the player locates the next selections and stops at the last selection.
- To step play, press \( \text{OFF/ALARM RESET} \).
- To pause, press \( \text{CD} \) and the \( \text{CD} \) indication flashes. To resume play, press \( \text{CD} \) again.
- To change the clock mode to track mode, press \( \text{TRACK/CLOCK} \).
- The track is set and the indication becomes the current time.

To Set the Alarm

1. While holding down \( \text{ALARM A} \), press either \( \text{TIME SET/TRACK} \) or \( \text{WAKE UP TRACK} \) until the desired time appears in the display window.
   - The \( \text{CD} \) indication flashes and “CD” lights.
2. Release \( \text{ALARM A} \). The alarm time is set and the indication becomes the current time.
3. While holding down \( \text{WAKE UP TRACK} \), set the desired track by pressing \( ^{+} \) or \( = \).
4. Release \( \text{WAKE UP TRACK} \). The track is preset and the indication becomes the current time.

Notes

- Do not open the CD compartment lid while playing, otherwise, the disc will be damaged.
- Be sure to stop the disc first.
- When you press \( \text{CD} \) or \( ^{+} \), if there is no disc in the CD compartment, the “CD” indication flashes for 10 seconds and the unit will be turned off.
- If the \( \text{CD} \) alarm is activated while listening to the CD, the track changes to that preset by pressing \( \text{WAKE UP TRACK} \).

Operating the Radio

1. Press \( \text{RADIO/SLEEP} \) to turn on the radio.
2. To set the \( \text{RADIO} \) indication, press either \( \text{TIME SET/TRACK} \) or \( \text{WAKE UP TRACK} \) until the “CD” indication appears in the display.
3. Adjust \( \text{VOLUME} \).

To change the clock mode to track mode, press \( \text{TRACK/CLOCK} \).

Notes

- The alarm does not function, unless you set the clock and \( \text{CD} \) alarm.
- If you set the \( \text{CD} \) alarm and radio or buzzer alarm at the same time, the \( \text{CD} \) alarm sounds.
- When you set the \( \text{CD} \) alarm, if there is no disc in the CD player, the buzzer will sound at the time you set.
- When the \( \text{CD} \) alarm comes on, the \( \text{CD} \) indication flashes.
- If you want to stop flashing, press \( \text{CD} \) or \( ^{+} \). The \( \text{CD} \) player will stop playing at the last track.
- When the \( \text{CD} \) alarm is activated, the \( \text{CD} \) indication flashes.
- If you want to keep on listening to radio and stop flashing, press \( \text{RADIO/SLEEP} \). The “ \( \text{CD} \) indication remains.
- The buzzer sound level is fixed, and independent of \( \text{VOLUME} \).