

FMI/AM CD Clock Radio ICF-CD2000 FMI/SW/MW CD Clock Radio ICF-CD2000S

- Multi-functional CD player — variety of playback modes (repeat, shuffle, etc.) plus a 10 second Electronic Shock Protection function to prevent skipping of songs.
- Stereo output from both the speakers and the headphones.

Note on AM channel step
The channel step of this unit is factory set to 9 kHz or 10 kHz. Switch the channel step when needed (see "Changing AM/MW Channel Step").

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

Power Sources

The unit cannot be played on manganese batteries. Use only alkaline batteries.

Installing the Lithium Battery for Clock Backup (see Fig. A)

- Insert a pointed object into the hole beside the lithium battery compartment to eject the tray.
- Place the lithium battery CR 2025 on the tray with the \ominus side facing up, and slide the tray into the compartment until you hear a click.

Note
The lithium battery is only for clock backup. The unit cannot play a CD or the radio unless it is powered by alkaline batteries or the AC power adaptor.

Replacing the lithium battery

The battery life of the backup lithium battery is 3 months when both the alkaline batteries or house current are not connected. The lithium battery will last longer with these power sources, since either source will supply power for clock backup as well. If the clock flashes "AM 12:00" or "00:00" when you replace the alkaline battery, the lithium battery is exhausted. Replace the lithium battery. Reset the clock and the station presets if needed.

Notes on batteries

- Keep the lithium battery out of reach of children. Should the battery be swallowed, consult a doctor immediately and remain in the display.
- Wipe the batteries with a dry cloth to assure good contact.
- Be sure to install the batteries in the correct polarity position.
- Do not hold the batteries with metallic tweezers, as doing so may cause a short circuit.
- Do not break up the batteries or throw them into a fire, which may cause them to explode. Carefully dispose of used batteries.

CAUTION

Danger of explosion if battery is replaced incorrectly. Replace only with the same or equivalent type recommended by the equipment manufacturer. Discard used batteries according to manufacturer's instructions.

Installing Alkaline Batteries (see Fig. B)

- Slide the battery compartment lid in the direction of the arrow and lift it up.
- Install four LR6 (size AA) alkaline batteries with correct polarity. Insert the batteries with the polarity as shown in the diagram at the bottom of the unit. Be sure to insert the batteries from the \ominus terminal (see Fig. B).

Battery life

Using Sony alkaline LR6 (size AA)
CD/ESP on \approx Approx. 7 hours
Radio \approx Approx. 17 hours

Replacing batteries

- When the batteries become weak, "00" flashes in the display. When the batteries are exhausted, "00" stops flashing and remains in the display. Replace all the four batteries with new alkaline batteries of the same kind.
- When "00" is in the display, the unit stops all operation. Only the clock display will appear in the display. After replacing the batteries, press **CD** or **RADIO-SLEEP** so that "00" disappears in the display.

When the battery compartment lid becomes detached (see Fig. C)

The battery compartment lid is designed to become detached if opened with excessive force. In such a case, reattach it as shown in the illustration.

Using House Current

Connect the AC power adaptor to the DC IN 6V jack, and plug it into a wall outlet. Be sure to plug in the adaptor securely to both the DC IN 6V jack and to the wall outlet. The unit automatically switches to external power even when the batteries are inserted.

To wall outlet

When you press **CD**, it normally takes about 12 seconds before the CD starts spinning. You should wait a few seconds after pressing **CD** before the CD starts spinning, but this is not a malfunction.

Notes

- When using the unit on AC power, we recommend that you remove the dry batteries to avoid possible battery leakage and corrosion.
- When the AC power adaptor is not used for a long period of time, be sure to unplug it to both the DC IN 6V jack and from the wall outlet.
- Do not remove the lithium battery even when operating the unit on house current, as it serves backup power for the memory.
- If power from the AC power adaptor is disrupted due to power interruption, etc., the unit switches to battery power when available.
- Use only the supplied Sony AC power adaptor. Using any other adaptor may cause damage to the unit.

Setting the Clock

When the batteries are first installed, "AM 12:00" or "00:00" flashes in the display. "LOCAL" appears in the display. The clock system varies depending on the model you own.

Setting the Local Time

- Press **WORLD/LOCAL** to display "LOCAL".
- Hold down **CLOCK** until you hear a beep.
- Press **TUNESCAN TIME SET +** or **-** to set the hour.

Various Modes of CD Playback

You can play tracks repeatedly or in random order. Each press changes the playback mode as follows:

- Press **PLAY MODE** repeatedly to select a playback mode.
- Press **REPEAT** to enter the mode.
- Press **TUNESCAN TIME SET +** or **-** to set the minute, and then press **CLOCK**. Two beeps sound to confirm the setting. The clock starts to operate and "00" flashes.

Setting the WORLD TIME

The WORLD time displays the time for a selected time area in the world.

- Press **WORLD/LOCAL** to display "WORLD". "TIME DIFF" and the time difference to your local time appears.
- Hold down **CLOCK** until you hear a beep.
- Press **TUNESCAN TIME SET +** or **-** to set the desired hour and press **CLOCK**. Press **+ advance and - to go back**. The time difference indication changes accordingly. Two beeps sound to confirm the setting. The clock starts to operate and "00" flashes.

Notes

- For WORLD time, only the hour can be set and the minute will be adjusted accordingly based on the time difference setting.
- When you change the LOCAL time, the WORLD time will be adjusted accordingly based on the time difference setting.

Adjusting the current time display to daylight saving time (summer time)

Press **D.S.T. SUMMER T.** \Rightarrow appears in the display and the current time is notched up to the daylight saving time.

To cancel daylight saving time adjustment

Press **D.S.T. SUMMER T.** again.

Changing AM(MW) Channel Step

The channel step of this unit is factory set to 9 kHz or 10 kHz. Switch the channel step when needed.

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

Hold down **OFF-ALARM RESET** and **BAND** for about 5 seconds until you hear two beeps.

Note

The station presets are erased when the AM(MW) channel step is changed.

Playing a CD

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

- Press **OPEN** to open the CD compartment lid and place a disc.

Listening through the built-in speakers

The built-in speakers are located in the inner side of the main cover. Open the main cover to listen through the speakers.

To turn off the radio

Press **OFF-ALARM RESET**.

To improve radio reception

FM: Extend and adjust the angle of the telescopic antenna.
AM(MW): Rotate the unit horizontally for optimum reception. A ferrite bar is built in to the unit. Avoid operating the unit on a steel desk or metal surface.

Auto Station Scan Tuning

The unit automatically scans the selected waveband and stores the results in memory.

- Press **RADIO-SLEEP** to turn on the radio.
- Press **BAND** repeatedly to select the desired band.
- Hold down **TUNESCAN TIME SET +** or **-** until "SCAN" flashes in the display, then release the button.
- Press **ALARM TRACK/STATION** again. Scanning starts.
- Press **TUNESCAN TIME SET +** or **-** while your desired station is tuned in. "SCAN" disappears in the display and scanning stops to receive your desired station continuously.
- Adjust the volume using **VOLUME**.

Presets Tuning

You can preset up to 5 stations each for FM1, FM2, SW and AM(MW). Once a station is preset, it can be recalled with one press of the respective preset button.

Presetting the Station

Example: To preset 87.50 MHz on FM2 onto preset button 1.

- Tune in to the desired station (87.50 MHz on FM2, in this case) by Manual tuning or Auto Station Scan tuning.
- Hold down the desired preset button (2, in this case) until you hear two short beeps.

Setting the Local Time

When the batteries are first installed, "AM 12:00" or "00:00" flashes in the display. "LOCAL" appears in the display. The clock system varies depending on the model you own.

Setting the Local Time

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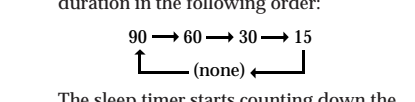
Setting the Local Time

- Press **WORLD/LOCAL** to display "LOCAL".
- Hold down **CLOCK** until you hear a beep.
- Press **TUNESCAN TIME SET +** or **-** to set the hour.

Sleep Timer

Enjoy falling asleep to the radio with the sleep timer. The radio turns off automatically after the selected duration.

- Press **RADIO-SLEEP** to turn on the radio.
- Press **RADIO-SLEEP** again. "SLEEP" and the sleep countdown duration appear in the display.
- Press **RADIO-SLEEP** repeatedly until the desired duration appears in the display. Each press changes the sleep countdown duration in the following order:



- Change the timer duration after the timer function is activated, press **RADIO-SLEEP** repeatedly until the desired duration appears.
- Do not leave the unit in a location near a heat source such as a radiator or air conditioner, 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 blanket, etc.) or near materials (e.g., curtains) which might block the ventilation holes.
- Do not use liquid or solid objects fall into the unit, or plug/unplug (or remove/batteries from the unit) and disconnect it from the power source before operating it further.
- When the casing becomes soiled, clean it with a soft cloth dampened with water. Do not use detergent solution. Never use abrasive cleaners or chemical solvents, as they may mar the casing.
- The unit is not disconnected from the AC power source (main) as long as it is connected to the power outlet, even if the unit itself has been turned off.
- If you have any question, please consult your nearest Sony dealer.

Setting the Alarm

The unit comes with 3 alarm modes — CD, radio and buzzer. Before setting the alarm, make sure to set the clock (see "Setting the Clock").

Setting the Alarm Time

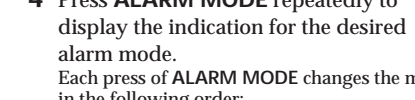
- Hold down **ALARM TIME** until you hear a short beep.

The alarm mode is indicated by the number of the alarm time flashes in the display.

- Press **TUNESCAN TIME SET +** or **-** to select the desired hour, then press **ALARM TIME**.
- Press **TUNESCAN TIME SET +** or **-** to select the desired minute, then press **ALARM TIME**. Two short beeps sound to confirm the setting.

Press **ALARM MODE** repeatedly to display the indication for the desired alarm mode.

The **ALARM MODE** button changes the mode in the following order:



The alarm you chose will sound at the alarm time. Press **ALARM TIME**.

Notes

- The CD buzzer or the buzzer alarm will sound for about 60 minutes before stopping automatically.
- The loudness of the buzzer is fixed and cannot be adjusted with **VOLUME**.
- The CD alarm will stop automatically. It will stop in about 60 minutes under the SHUFFLE/REPEAT/ALL REPEAT or the REPEAT ALL mode. To continue playing of the CD after the alarm has stopped, press **CD**.

To stop the Alarm

Press **OFF-ALARM RESET**. The alarm will come on at the same time the next day.

To Cancel the Alarm

Press **ALARM MODE** repeatedly until there is no alarm mode indication in the display.

To Doze for a Few More Minutes (Snooze)

Press **SNOOZE-SLEEP OFF/LIGHT**. The alarm mode indication flashes in the display while the Snoozeze function is in effect.

To Set the Wake-up Track for CD Alarm

For the CD alarm, you can choose a track on the CD alarm. The alarm mode is set to the CD alarm. The track you select will sound at the time set.

- Select the CD alarm mode (see "Selecting the Alarm Mode").
- Press **ALARM TRACK/STATION** until you hear a beep.

The CD alarm mode is set to SHUFFLE or SHUFFLE REPEAT. The CD alarm will disregard the Wake-up track designation. The selected Wake-up track number remains even when the CD is changed.

The alarm mode is set to the CD alarm but there is no CD in the display, the buzzer alarm will sound in its place at the time set.

To Set the Wake-up Station for Radio Alarm

For the radio alarm, you can choose a station from the preset memory to wake up on (the Wake-up station).

- Select the radio alarm mode (see "Selecting the Alarm Mode").
- Press **ALARM TRACK/STATION** until you hear a beep.

The radio alarm mode is set to SHUFFLE or SHUFFLE REPEAT. The radio alarm will disregard the Wake-up station designation. The selected Wake-up station number remains even when the radio is changed.

The alarm mode is set to the radio alarm but there is no radio in the display, the buzzer alarm will sound in its place at the time set.

Specifications

CD player section

System: Compact disc digital audio system
Laser: Diode laser
Material: GAA/AlAs
Wavelength: 780 nm
Emission duration: Continuous
Laser output: Less than 44.9 mW
(This output is the value measured at a distance of about 100 mm from the objective lens surface on the optical pickup block with 7 mm aperture.)

Frequency response: 20-20,000 Hz \pm 3 dB
Signal-to-noise ratio: 80 dB (measured with 8 cm disc)
Output: (1) headphones Jack (stereo minimum), 15 Ω mm dia.
(2) speaker terminals, 8 Ω mm dia.
Power output: 200 mW \pm 20% mW (at 10% harmonic distortion)

Power requirements:
Main: 230 V AC, 50 Hz (model for continental Europe)
Backup for Clock: 3V DC, one CR 2025 (model for other countries)

External power source: DC IN 6V
Dimensions: Approx. 166.5 x 34 x 173 mm (w/h/d) (Approx. 6.57 x 1.34 x 6.81 inches) Incl. prepng parts and controls.
Mass: Approx. 660 g (1 lb 7.0z) Incl. batteries

Supplied Accessories

Sony CR 2025 lithium battery (1), AC power adaptor (1) (continental European and Canadian models only), Stereo headphones (1) Design and specifications are subject to change without notice.

Other Useful Functions

Set **MEGA BASS** in ON. Switch it off if the sound becomes distorted.

Lighting the Display

Press **SNOOZE-SLEEP OFF/LIGHT**. The light comes on for about 10 seconds. When the unit is operating on house current, the display is lit at all times.

Precautions

- Operate the unit on the power sources specified in "Specifications".
- The nameplate indicating voltage, etc., is located at the bottom.
- Disconnect the AC power adaptor cord by grasping the plug. Never pull by the cord.
- Do not use the unit in a location near a heat source such as a radiator or air conditioner, 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 blanket, etc.) or near materials (e.g., curtains) which might block the ventilation holes.
- Do not use liquid or solid objects fall into the unit, or plug/unplug (or remove/batteries from the unit) and disconnect it from the power source before operating it further.
- When the casing becomes soiled, clean it with a soft cloth dampened with water. Do not use detergent solution. Never use abrasive cleaners or chemical solvents, as they may mar the casing.
- The unit is not disconnected from the AC power source (main) as long as it is connected to the power outlet, even if the unit itself has been turned off.
- If you have any question, please consult your nearest Sony dealer.

Notes on Headphones

Do not use headphones while driving, cycling, or operating any motorized vehicle. It may create a traffic hazard and is illegal in many areas. It can also be potentially dangerous to play your headphones at high volume while walking, especially at pedestrian crossings. You should exercise extreme caution or refrain use in potentially hazardous situations.

Preventing hearing damage

Avoid using headphones at high volume. Prolonged use of headphones at excessive, loud and extended play. If you experience a ringing in your ears, reduce volume or discontinue use.

Caring for others

The alarm you chose will sound at the alarm time. This will allow you to hear outside sounds and to be considerate to people around you.

Troubleshooting

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

There is no radio or CD sound.
The "00" appears in the display.
The batteries are exhausted. Replace all batteries when "00" appears in the display.
The CD alarm will stop automatically. It will stop in about 60 minutes under the

