

Manuals.plus /

› Sony /

› Sony CFD-E90 CD Radio Cassette Recorder User Manual

## Sony CFD-E90

# Sony CFD-E90 CD Radio Cassette Recorder User Manual

Model: CFD-E90

## 1. OVERVIEW

---

The Sony CFD-E90 is a versatile portable audio system designed for enjoying music from various sources. This compact unit combines a CD player, a cassette recorder, and an AM/FM stereo radio, offering a comprehensive listening experience. Its portable design, complete with a fold-out carry handle, allows for easy transport, making it suitable for use in diverse environments.

Key features include a digital AM/FM stereo tuner with station presets, synchronized CD/cassette dubbing, and Sony's Mega Bass sound enhancement for rich low-frequency audio. The unit can be powered via AC cord or batteries, providing flexibility for both home and on-the-go use.



Figure 1.1: Top-down view of the Sony CFD-E90 CD Radio Cassette Recorder, showcasing its compact design and primary controls.

## 2. FEATURES

- **CD Playback:** Supports standard audio CDs, CD-R, and CD-RW discs. Features 20-track programming for customized playback.
- **Cassette Recorder:** Stereo record/playback cassette deck with synchronized CD/cassette dubbing and direct recording from tuner or CD.
- **AM/FM Stereo Radio:** Digital PLL tuner with 30 station memory presets (20 FM, 10 AM) for easy access to favorite stations.
- **Mega Bass:** Enhances low-frequency sounds for a richer audio experience.
- **Jog Dial:** Facilitates quick clock adjustments and CD track selection.
- **Timer Functions:** Includes a current-time display and a sleep/wake timer with variable settings.
- **Headphone Jack:** A 3.5mm (.125-inch) headphone jack for private listening.
- **Portability:** Features a fold-out carry handle and operates on either AC power or batteries (6 C-size for main unit, 2 AAA for remote, 3 AA for clock backup).
- **Antennas:** Telescopic FM antenna and built-in ferrite-bar AM antenna for optimal radio reception.

## 3. SETUP

### 3.1 Powering the Unit

The CFD-E90 can be powered using the supplied AC power cord or by batteries for portable use.

## AC Power Connection:

1. Ensure the unit is turned off.
2. Connect the supplied AC power cord to the AC IN jack on the unit.
3. Plug the other end of the AC power cord into a standard wall outlet.

## Battery Installation:

For portable operation, install batteries as follows:

1. Open the battery compartment cover located on the bottom of the unit.
2. Insert 6 C-size (R14) batteries, ensuring correct polarity (+/-).
3. Close the battery compartment cover securely.
4. For the remote control, insert 2 AAA-size batteries.
5. For clock and memory backup, insert 3 AA-size batteries into their dedicated compartment.

*Note: Batteries are not included with the unit. When using batteries, expect approximately 7 hours of CD playback, 15 hours of cassette play, or 20 hours of radio use.*

## 3.2 Antenna Setup

- **FM Reception:** Extend the telescopic FM antenna fully for optimal FM radio reception. Adjust its direction for the best signal.
- **AM Reception:** The unit features a built-in ferrite-bar antenna for AM reception. Rotate the unit itself to improve AM signal strength.

## 4. OPERATING INSTRUCTIONS

---

### 4.1 General Controls



Figure 4.1: Close-up view of the main control panel, including the jog dial and playback buttons.

- **Power Button:** Press to turn the unit on or off.
- **Volume Control:** Use the volume buttons or jog dial to adjust the sound level.
- **Function/Mode Selector:** Use to switch between CD, Radio (AM/FM), and Tape modes.

## 4.2 CD Playback

1. Press the **FUNCTION** button to select CD mode.
2. Open the CD compartment cover by pressing the **OPEN/CLOSE** button.
3. Place a CD with the label side facing up.
4. Close the CD compartment cover. The display will show the total number of tracks.
5. Press the **PLAY** button to start playback.
6. Use the **SKIP/SEARCH** buttons to navigate between tracks or fast forward/rewind within a track.
7. Press **PAUSE** to temporarily stop playback, and **STOP** to end playback.
8. To program CD tracks, refer to the detailed instructions in the full user manual.

## 4.3 Cassette Playback and Recording

1. Press the **FUNCTION** button to select Tape mode.
2. Open the cassette compartment door.
3. Insert a cassette tape with the desired side facing forward.
4. Close the cassette compartment door.
5. Press the **PLAY** button to start playback.
6. Use the **FAST FORWARD** and **REWIND** buttons to navigate the tape.
7. Press **STOP/EJECT** to stop playback or eject the tape.

8. **Recording:** To record from CD or radio, ensure a blank tape is inserted. Select the desired source (CD or Radio), then press the **RECORD** button on the cassette deck. For synchronized CD dubbing, press **RECORD** on the cassette deck while the CD is in stop mode, then press **PLAY** on the CD player.

## 4.4 Radio Operation

1. Press the **FUNCTION** button to select Radio mode.
2. Press the **AM/FM** button to select the desired band.
3. Use the **TUNE +/-** buttons to manually tune to a station, or press and hold to auto-scan for the next available station.
4. To set a preset station, tune to the desired station, then press and hold one of the **FAVORITE RADIO STATIONS (1-3)** buttons until the preset number flashes on the display.
5. To recall a preset station, simply press the corresponding **FAVORITE RADIO STATIONS (1-3)** button.

## 4.5 Timer Functions

- **Clock Setting:** Use the jog dial and **DISPLAY/ENTER** button to set the current time.
- **Sleep Timer:** Press the **SLEEP** button repeatedly to cycle through various sleep times (e.g., 90, 60, 30, 15 minutes) before the unit automatically turns off.
- **Wake Timer:** Configure the unit to turn on at a specific time to play a CD or radio station. Refer to the full manual for detailed setup.

## 4.6 Headphone Use



Figure 4.2: Side view of the unit, highlighting the headphone jack for private listening.

Connect any standard 3.5mm stereo headphones to the headphone jack located on the side of the unit for private listening. The main speakers will automatically mute when headphones are connected.

## 5. MAINTENANCE

---

### 5.1 Cleaning the Unit

- **Cabinet:** Wipe the exterior with a soft, dry cloth. For stubborn stains, use a cloth lightly dampened with a mild detergent solution, then wipe dry. Avoid abrasive cleaners or solvents.
- **CD Lens:** Use a commercially available CD lens cleaner to clean the CD pickup lens.
- **Cassette Deck:** Regularly clean the tape heads, pinch rollers, and capstans with a cotton swab lightly moistened with tape head cleaning fluid.

### 5.2 Battery Replacement

Replace all batteries when the unit's performance degrades or when the battery indicator on the display shows low power. Always replace all batteries of the same type at the same time. Do not mix old and new batteries or different types of batteries.

### 5.3 General Care

- Avoid exposing the unit to extreme temperatures, direct sunlight, dust, or moisture.
- Do not place heavy objects on top of the unit.
- When not in use for extended periods, remove all batteries to prevent leakage.

## 6. TROUBLESHOOTING

---

If you encounter issues with your Sony CFD-E90, please refer to the following common problems and solutions before contacting support.

Problem	Possible Cause	Solution
No power	AC cord not connected, batteries depleted/incorrectly inserted.	Check AC cord connection. Replace/reinsert batteries correctly.
"NO DISC" displayed	No CD inserted, CD inserted incorrectly, dirty/scratched CD, dirty CD lens.	Insert CD correctly. Clean or replace CD. Clean CD lens.
Poor radio reception	Antenna not extended/adjusted, unit's position.	Extend and adjust FM antenna. Rotate unit for AM reception.
Cassette playback issues	Tape heads dirty, tape tangled/damaged.	Clean tape heads. Use a different tape.
Remote control not working	Batteries depleted/incorrectly inserted, obstruction between remote and unit.	Replace/reinsert remote batteries. Remove obstructions.

## 7. SPECIFICATIONS

---

Feature	Specification
Model Number	CFD-E90 (CFDE90W)
Brand	Sony
Speaker Type	Stereo
Connectivity Technology	Headphone Jack
Power Source	AC Power Cord, 6 C-size Batteries (main unit), 2 AAA-size Batteries (remote), 3 AA-size Batteries (clock backup)
Color	White
Item Weight	6.44 pounds
Package Dimensions	11 x 11 x 7 inches
Date First Available	March 15, 2004

## 8. WARRANTY & SUPPORT

---

This product comes with standard warranty information as provided at the time of purchase. Please refer to the documentation included in your original packaging for specific warranty terms and conditions.

For technical support, service, or additional information, please visit the official Sony support website or contact their customer service. Keep your proof of purchase handy for any warranty claims.