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O OCEAN DIGITAL WR-50CD

Ocean Digital WR-50CD Internet Radio Tuner User Manual

Model: WR-50CD | Brand: O OCEAN DIGITAL

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Ocean Digital WR-50CD Internet Radio Tuner. This device offers a versatile audio experience, combining Internet radio, FM radio, Bluetooth connectivity, a CD player, and Micro SD card playback, designed to integrate with your existing Hi-Fi system.

Please read this manual thoroughly before using the product to ensure correct operation and to maximize its features.

2. WHAT'S IN THE BOX

Carefully unpack all items and ensure the following components are present:

- Ocean Digital WR-50CD Internet Radio Tuner
- Owner's Manual (this document)
- Remote Controller
- A/C Power Adaptor
- Wi-Fi Antenna
- FM Wire Antenna
- RCA Cable



Image: The WR-50CD unit, remote control, power adapter, Wi-Fi antenna, FM antenna, RCA cable, and user manual are shown, indicating all included accessories.

3. SETUP

3.1 Physical Connections

1. **Positioning:** Place the WR-50CD on a stable, flat surface, ensuring adequate ventilation.
2. **Connect Antennas:**
 - Attach the supplied Wi-Fi antenna to the "Wi-Fi Antenna" connector on the rear panel.
 - Connect the FM wire antenna to the "ANTENNA DAB/FM" jack for FM radio reception.
3. **Audio Output:** Connect the WR-50CD to your Hi-Fi system or amplifier using the provided RCA cable (Line Out) or a digital coaxial cable (Digital Output).
 - For analog connection, use the RCA L/R "LINE OUT" jacks.
 - For digital connection, use the "COAXIAL DIGITAL OUTPUT" jack.
4. **Power Connection:** Connect the A/C power adaptor to the "DC IN" port on the rear panel, then plug the

adaptor into a wall outlet.



Image: The rear panel of the WR-50CD shows various connection ports including DC IN, Wi-Fi antenna, DAB/FM antenna, coaxial digital output, and RCA line out, along with the power switch.

3.2 Initial Power On and Network Setup

1. **Power On:** Flip the power switch on the rear panel to the "ON" position. The unit will power on and display the startup screen on its 2.4" color display.
2. **Language Selection:** Follow the on-screen prompts to select your preferred language.
3. **Network Connection:**
 - Navigate to the "Network" or "Wi-Fi Setup" menu using the control knob and buttons.
 - The unit will scan for available Wi-Fi networks. Select your network from the list.
 - Enter your Wi-Fi password using the on-screen keyboard and control knob. Confirm your selection.
 - Once connected, the unit will display a confirmation message. A stable Wi-Fi connection is essential for Internet radio functionality.

4. OPERATING INSTRUCTIONS

4.1 Basic Controls

The WR-50CD can be operated using the front panel controls or the included remote controller.

- **Power Button:** Turns the unit on/off (standby).
- **Navigation/Select Knob:** Rotate to scroll through menus, press to select.
- **Mode Button:** Switches between different audio sources (Internet Radio, FM, Bluetooth, CD, Micro SD).
- **Back Button:** Returns to the previous menu.
- **Preset Buttons (1-4):** Quickly access saved favorite stations.
- **Play/Pause, Skip Tracks:** Standard playback controls for CD, Bluetooth, and Micro SD.



Image: The WR-50CD unit is shown from the front, displaying its 2.4-inch color screen, control buttons, and a large rotary knob. The remote control is positioned in front of the unit.

4.2 Internet Radio

Access over 30,000 radio stations worldwide via your Wi-Fi connection.

1. Press the **Mode** button until "Internet Radio" is selected.
2. Use the navigation knob to browse stations by location, genre, or search.
3. To save a station as a favorite, navigate to the desired station and press and hold one of the **Preset** buttons (1-4) until "Saved" appears. You can save up to 99 presets via the menu.
4. You can also manage favorites and add custom streaming URLs via a web browser on a PC or smartphone by accessing the unit's IP address.

4.3 FM Radio

Tune into local FM radio broadcasts.

1. Ensure the FM wire antenna is connected.
2. Press the **Mode** button until "FM Radio" is selected.
3. Use the navigation knob to manually tune or initiate an auto-scan for available stations.
4. Save favorite FM stations using the **Preset** buttons.

4.4 Bluetooth Connectivity

Stream audio wirelessly from your Bluetooth-enabled devices.

1. Press the **Mode** button until "Bluetooth" is selected. The display will show "Bluetooth Pairing".
2. On your smartphone or other Bluetooth device, enable Bluetooth and search for available devices.
3. Select "WR-50CD" from the list of devices to pair.
4. Once paired, you can play audio from your device through the WR-50CD.



Image: A close-up of the WR-50CD's display showing "Bluetooth" and "Not Connected", with a smartphone nearby indicating a Bluetooth connection attempt.

4.5 CD Player

Play audio CDs directly through the integrated CD player.

1. Press the **Mode** button until "CD Player" is selected.
2. Insert an audio CD into the CD slot on the front panel. The unit will automatically load and begin playing the first track.
3. Use the Play/Pause, Skip Forward, and Skip Backward buttons for playback control.
4. Playback options (repeat all, repeat one, shuffle, normal) can be configured in the system settings under "Playback Setup".

4.6 Micro SD/TF Card Playback

Play audio files stored on a Micro SD or TF card.

1. Insert a Micro SD/TF card containing audio files into the "Micro SD/TF Card" slot on the front panel.
2. Press the **Mode** button until "Micro SD" or "TF Card" is selected.
3. Navigate through your folders and select the desired audio file for playback.

4.7 UPnP/DLNA

Stream music from compatible devices on your local network.

1. Ensure your media server (e.g., PC with media sharing enabled) is on the same network as the WR-50CD.

2. Press the **Mode** button until "UPnP/DLNA" is selected.
3. The unit will scan for available media servers. Select your server and browse for music files.

4.8 System Settings

Access the system menu to customize various settings:

- **EQ Setting:** Adjust audio equalization presets.
- **Multi-language:** Change the menu display language.
- **Alarm Clock:** Set alarms for wake-up functions.
- **Sleep Timer:** Set a timer for the unit to automatically power off.
- **Display Settings:** Adjust brightness or backlight timeout.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the unit's exterior. Do not use abrasive cleaners, waxes, or solvents.
- **CD Player Care:** Handle CDs by their edges. If the CD lens needs cleaning, use a specialized CD lens cleaner disc.
- **Ventilation:** Ensure the ventilation openings are not blocked to prevent overheating.
- **Power Off:** If the unit will not be used for an extended period, disconnect it from the power outlet.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cable not connected; Power switch off	Ensure power adaptor is securely connected and plugged into a live outlet. Check the rear power switch.
No sound	Volume too low; Incorrect input selected on amplifier; Cables loose	Increase volume on WR-50CD and amplifier. Select correct input on your amplifier. Check all audio cables.
Cannot connect to Wi-Fi	Incorrect password; Router too far; Network issue	Verify Wi-Fi password. Move unit closer to router or ensure strong signal. Restart router.
Internet radio buffering/disconnecting	Weak Wi-Fi signal; Internet speed issues	Ensure Wi-Fi antenna is properly connected. Check internet connection speed. Move unit closer to router.
CD not playing	CD inserted incorrectly; Disc scratched/dirty; Incorrect mode	Re-insert CD correctly. Clean disc. Ensure "CD Player" mode is selected.
Bluetooth pairing failed	Device not in pairing mode; WR-50CD not in Bluetooth mode	Ensure both devices are in pairing mode. Try restarting Bluetooth on your device and the WR-50CD.

7. SPECIFICATIONS

Feature	Detail
Model Number	WR-50CD
Product Dimensions	17 x 11 x 2.5 inches (430 x 280 x 63.5 mm approx.)
Item Weight	5.6 pounds (2.54 kg)
Connectivity Technology	Bluetooth, Wi-Fi
Tuner Technology	Internet Radio, FM, DAB (DAB functionality not explicitly listed in feature bullets but mentioned in categories and some images, so including as potential)
Radio Bands Supported	FM, Internet Radio
Special Feature	2.4" Color Display, CD Player, Micro SD/TF Card Slot, UPnP/DLNA, EQ Setting, Multi-language, Alarm Clock, Sleep Timer, IR Remote Control, Stereo Outputs (Analog RCA, Digital Coaxial)
Power Source	AC Power Adaptor



Image: A diagram showing the dimensions of the WR-50CD unit: 17 inches (430mm) wide, 11 inches (280mm) deep, and 2.5 inches (63.5mm) high.

8. WARRANTY AND SUPPORT

Ocean Digital products are designed for reliability and performance. For specific warranty information, please refer to the warranty card included with your product or contact Ocean Digital customer support.

For technical assistance, troubleshooting beyond this manual, or service inquiries, please visit the official Ocean Digital website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.

