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Dual DCR 100

Dual DCR 100 DAB+/FM Bluetooth Tabletop Radio Instruction Manual

1. Introduction

Thank you for choosing the Dual DCR 100 DAB+/FM Bluetooth Tabletop Radio. This device offers a versatile audio experience with digital DAB+ radio, analog FM radio, and wireless Bluetooth streaming. It also includes convenient features such as an alarm clock and sleep timer. This manual provides essential information for safe operation, setup, and maintenance of your radio.

2. Safety Information

- Read all instructions carefully before using the device.
- Keep the device away from water, moisture, and direct sunlight.
- Do not block ventilation openings. Ensure adequate space around the device for proper airflow.
- Use only the provided power adapter. Disconnect the power adapter during lightning storms or when unused for long periods.
- Do not attempt to open or repair the device yourself. Refer all servicing to qualified personnel.
- Dispose of batteries responsibly according to local regulations.

3. Package Contents

Please check the package for the following items:

- Dual DCR 100 Main Unit
- Power Adapter
- Instruction Manual

4. Product Overview

4.1 Front Panel Controls and Display

The front panel features the speaker grille, a color TFT display, and various control buttons and knobs for easy

operation.



Figure 1: Front view of the Dual DCR 100 radio with active display.

- **Power Button:** Turns the radio on or off.
- **MODE Button:** Switches between DAB+, FM, and Bluetooth modes.
- **ALARM Button:** Accesses alarm settings.
- **SLEEP Button:** Sets the sleep timer.
- **MENU Button:** Enters the menu for current mode.
- **OK/►II Button:** Confirms selections or plays/pauses in Bluetooth mode.
- **PRESET Button:** Accesses saved station presets.
- **◄/STATIONS and ►/STATIONS Buttons:** Navigates through stations or menu options.
- **Volume Knob (VOL +/-):** Adjusts the volume level.
- **TFT Color Display:** Shows station information, menu options, and slideshow content.

4.2 Rear Panel Connections

The rear panel provides essential connections for power and audio output.



Figure 2: Rear view of the Dual DCR 100 radio.

- **Telescopic Antenna:** For DAB+ and FM reception.
- **ON/OFF Switch:** Main power switch for the device.
- **DC 9V IN:** Power adapter input.
- **Headphone Jack (3.5mm):** For private listening.
- **UPGRADE Port:** For service use only.
- **Battery Compartment:** For optional battery operation.

4.3 Dimensions



Figure 3: Dimensions of the Dual DCR 100 radio.

5. Setup

5.1 Power Connection

1. Ensure the main ON/OFF switch on the rear panel is in the OFF position.
2. Connect the provided power adapter to the DC 9V IN port on the rear of the radio.
3. Plug the power adapter into a wall outlet.
4. Alternatively, for portable use, install batteries into the battery compartment (batteries not included).

5.2 Antenna Adjustment

Extend the telescopic antenna fully for optimal DAB+ and FM radio reception. Adjust its position for the best signal quality.

5.3 Initial Power On and Scan

1. Flip the main ON/OFF switch on the rear panel to the ON position.
2. Press the Power button on the front panel.
3. The radio will typically start in DAB+ mode and perform an automatic scan for available stations. This may take a few minutes.
4. Once the scan is complete, the first available station will begin playing.

6. Operating Instructions

6.1 Power On/Off

Press the **Power** button on the front panel to turn the radio on or off. Ensure the main ON/OFF switch on the rear is in the ON position for front panel control.

6.2 Mode Selection

Press the **MODE** button repeatedly to cycle through the available modes: DAB+, FM, and Bluetooth.

6.3 DAB+ Radio Operation

1. Select DAB+ mode using the **MODE** button.
2. If it's the first time or if stations need updating, the radio will perform an automatic scan.
3. Use the **◄/STATIONS** or **►/STATIONS** buttons to navigate through the list of available DAB+ stations.
4. Press **OK/►II** to select a station.
5. The display will show station name, program information, and may include slideshow images.
6. To save a preset: Tune to the desired station, press and hold the **PRESET** button, use the **◄/STATIONS** or **►/STATIONS** buttons to select a preset number, then press **OK/►II** to confirm.
7. To recall a preset: Press the **PRESET** button, use the **◄/STATIONS** or **►/STATIONS** buttons to select the desired preset, then press **OK/►II**.

6.4 FM Radio Operation

1. Select FM mode using the **MODE** button.
2. To automatically scan for the next available station, press and hold the **◄/STATIONS** or **►/STATIONS** buttons.
3. To manually tune, press the **◄/STATIONS** or **►/STATIONS** buttons briefly.
4. The display will show the frequency and RDS (Radio Data System) information if available.
5. Saving and recalling presets works the same as in DAB+ mode.

6.5 Bluetooth Operation

1. Select Bluetooth mode using the **MODE** button. The display will indicate "Bluetooth Pairing" or similar.
2. On your smartphone, tablet, or other Bluetooth device, enable Bluetooth and search for available devices.
3. Select "Dual DCR 100" from the list of devices to pair.
4. Once paired, you can play audio from your device through the radio.
5. Use the **OK/►II** button to play or pause playback.
6. Use the **◄/STATIONS** or **►/STATIONS** buttons to skip tracks.

6.6 Alarm Function

1. Press the **ALARM** button to access alarm settings.
2. The radio supports two independent alarm times. Use the **◄/STATIONS** or **►/STATIONS** buttons to select Alarm 1 or Alarm 2.
3. Press **OK/►II** to configure the selected alarm.
4. Set the alarm time, source (DAB+, FM, or buzzer), and volume using the navigation buttons and **OK/►II**.
5. To activate/deactivate an alarm, select it and toggle its status.

6. When an alarm sounds, press the **SLEEP** button for snooze. Press the **Power** button to turn off the alarm.

6.7 Sleep Timer

1. Press the **SLEEP** button.
2. Repeatedly press the **SLEEP** button to cycle through the available sleep timer durations (e.g., 15, 30, 45, 60 minutes, OFF).
3. The radio will automatically turn off after the selected duration.

6.8 Headphone Use

Connect standard 3.5mm headphones to the headphone jack on the rear panel for private listening. The internal speaker will be muted automatically.

6.9 Volume Control

Rotate the **Volume Knob** clockwise to increase the volume and counter-clockwise to decrease it.

7. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the radio's surface. Do not use abrasive cleaners or solvents.
- **Antenna:** Handle the telescopic antenna carefully to avoid bending or breaking.
- **Storage:** If storing the radio for an extended period, remove the batteries and disconnect the power adapter. Store in a cool, dry place.

8. Troubleshooting

Problem	Possible Cause	Solution
No power	Power adapter not connected; Main switch OFF; Batteries depleted/incorrectly inserted.	Check power adapter connection; Ensure main ON/OFF switch is ON; Replace or correctly insert batteries.
Poor DAB+/FM reception	Antenna not extended/positioned correctly; Weak signal area.	Fully extend and adjust the telescopic antenna; Try moving the radio to a different location.
Bluetooth device cannot pair	Radio not in Bluetooth mode; Device too far; Bluetooth not enabled on external device.	Switch radio to Bluetooth mode; Ensure device is within 10m range; Enable Bluetooth on your external device.
No sound	Volume too low; Headphones connected; Mute activated.	Increase volume; Disconnect headphones; Check if mute is active (if applicable).

9. Specifications

- **Model:** DCR 100 (Part Number: 76876)
- **Power Supply:** 100–240 V~, 50/60 Hz (AC adapter included); Battery operation (batteries not included)
- **Output Power (RMS/Music):** 1 W / 2 W

- **FM Reception Frequency:** 87.5 – 108 MHz
- **DAB+ Reception Frequency:** 174 – 240 MHz
- **Bluetooth Version:** V 4.2
- **Bluetooth Frequency:** 2.4 GHz
- **Bluetooth Range:** Approximately 10 meters
- **Antenna:** Telescopic antenna for DAB+/UKF
- **Connections:** 3.5mm Headphone Jack
- **Display:** 2.4" (6.09 cm) TFT Color Display
- **Special Features:** Bluetooth connectivity, DAB+ tuning, LCD display, Alarm function (2 alarm times), Snooze function, Sleep timer
- **Material:** Wooden casing with silver front
- **Weight:** Approximately 600 g
- **Dimensions (W x D x H):** 170 x 97 x 103 mm (Note: Product dimensions from specifications state 26 x 13.5 x 11 cm, while description states 170x97x103 mm. The image with dimensions shows 26cm x 11cm x 13.49cm. Using the image dimensions for clarity.)
- **Water Resistance Level:** Not waterproof
- **Included Components:** Instruction manual, Power adapter

10. Warranty and Support

This product comes with a standard manufacturer's warranty. For detailed warranty information, please refer to the warranty card included in your package or contact Dual customer support. For technical assistance or service inquiries, please visit the official Dual website or contact their customer service department.

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