

Sharp DR-450(BR)

Sharp DR-450 Digital DAB+/FM Radio with Bluetooth and Alarm Clock

Model: DR-450(BR)

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Sharp DR-450 Digital DAB+/FM Radio. Please read this manual thoroughly before using the device and retain it for future reference.

2. SAFETY INFORMATION

- Do not expose the unit to rain or moisture to prevent fire or electric shock.
- Ensure the power adapter is compatible with your local power supply (220V).
- Do not block ventilation openings. Install in accordance with the manufacturer's instructions.
- Protect the power cord from being walked on or pinched.
- Unplug the apparatus during lightning storms or when unused for long periods.
- Refer all servicing to qualified service personnel.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Sharp DR-450 Digital Radio
- AC Power Adapter (UK/EU compatible)
- Instruction Manual
- Quick Start Guide

4. PRODUCT OVERVIEW

4.1 Front Panel



Figure 1: Front view of the Sharp DR-450 Digital Radio.

The front panel features a large LED display, control buttons for navigation and selection (PRESET, INFO/MENU, ENTER/SCAN, SLEEP), tuning buttons (left/right arrows), and a MODE button. A rotary knob for SNOOZE/VOLUME and EQ adjustment is located on the right side.

4.2 Rear Panel



Figure 2: Rear view of the Sharp DR-450 Digital Radio.

The rear panel includes the telescopic antenna for radio reception and the DC 5V power input port.

5. SETUP

5.1 Power Connection

1. Insert the DC plug of the supplied power adapter into the DC 5V port on the rear of the radio.
2. Plug the AC power adapter into a wall outlet.

5.2 Antenna Adjustment

For optimal FM and DAB/DAB+ reception, fully extend the telescopic antenna located on the rear of the

unit. Adjust its position for the best signal quality.

5.3 Initial Power-On

Upon first power-on, the radio may automatically scan for available DAB/DAB+ stations. This process may take a few minutes. Once complete, the radio will display the time and date, and the first available station will begin playing.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

Press the **MODE/POWER** button (top right) to turn the radio on or off.

6.2 Selecting Radio Modes

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

6.3 Station Tuning (DAB/DAB+)

1. In DAB mode, press **ENTER/SCAN** to perform an auto-scan for stations.
2. Use the **Left/Right Arrow** buttons to navigate through the list of found stations.
3. Press **ENTER/SCAN** to select a station.

6.4 Station Tuning (FM)

1. In FM mode, press **ENTER/SCAN** to auto-scan for the next available station.
2. Alternatively, use the **Left/Right Arrow** buttons for manual fine-tuning.

6.5 Preset Stations

The radio supports up to 60 station presets (30 DAB, 30 FM).

- **To Save a Preset:** Tune to the desired station. Press and hold the **PRESET** button until 'Preset Store' appears. Use the **Left/Right Arrow** buttons to select a preset number, then press **ENTER/SCAN** to confirm.
- **To Recall a Preset:** Press the **PRESET** button briefly. Use the **Left/Right Arrow** buttons to select the desired preset number, then press **ENTER/SCAN**.

6.6 Bluetooth Connection

1. Switch the radio to Bluetooth mode using the **MODE/POWER** button. The display will show 'Bluetooth Pairing'.
2. Enable Bluetooth on your smart device and search for 'SHARP DR-450'.
3. Select the device to pair. Once connected, you can stream audio wirelessly.

6.7 AUX Input

Connect an external audio device (e.g., MP3 player) to the 3.5mm AUX IN port on the rear of the radio using a 3.5mm audio cable (not supplied). Switch the radio to AUX mode to play audio from the connected device.

6.8 Alarm Clock Functions

The DR-450 features dual alarms, a sleep timer, and a snooze function.

- **Setting Alarms:** Press **INFO/MENU**, then navigate to 'Alarm Setup'. Follow the on-screen prompts to set alarm time, source (Buzzer or Radio), and frequency.
- **Snooze:** When the alarm sounds, press the **SNOOZE/VOLUME** knob to activate snooze for a short period.
- **Sleep Timer:** Press the **SLEEP** button repeatedly to set a sleep timer (e.g., 15, 30, 60, 90 minutes) after which the radio will automatically turn off.

6.9 Display Brightness (Dimmer)

Press the **INFO/MENU** button, then navigate to 'Display Settings' or 'Dimmer' to adjust the brightness level of the LED display to your preference.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the radio. Do not use abrasive cleaners or solvents.
- **Storage:** If not using the radio for an extended period, unplug it from the power outlet and store it in a cool, dry place.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power adapter not connected or faulty outlet.	Ensure power adapter is securely plugged in. Try a different power outlet.
Poor radio reception	Antenna not extended or poor signal area.	Fully extend and adjust the telescopic antenna. Try moving the radio to a different location.
Bluetooth pairing failed	Device too far or not in pairing mode.	Ensure the radio is in Bluetooth pairing mode. Move your device closer to the radio. Restart both devices.
No sound	Volume too low or muted. Incorrect input mode.	Increase the volume. Check if the correct mode (DAB, FM, BT, AUX) is selected.

9. SPECIFICATIONS

Feature	Specification
Model Number	DR-450(BR)
Supported Radio Bands	DAB, DAB+, FM
Output Power	6 Watts
Power Source	Corded Electric
Voltage	220 Volts




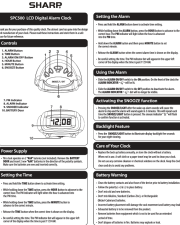
Feature	Specification
Wattage	6.2 Watts
Hardware Interface	Bluetooth, 3.5mm Audio
Material Type	Wood, Stainless Steel
Product Dimensions	23.4 x 14.5 x 11.7 cm
Item Weight	1.3 Kilograms
Special Features	DAB/DAB+/FM Digital Radio with RDS, Alarm Function (Buzzer or Radio) with Sleep and Snooze, 60 Station Presets

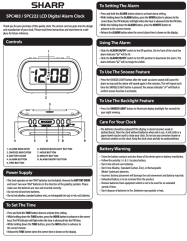
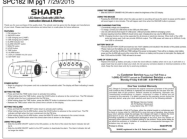
10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included in your product packaging or visit the official Sharp website. Keep your proof of purchase for any warranty claims.

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Related Documents - DR-450(BR)

	<p>SHARP SPC189/SPC193 LED Alarm Clock with USB Port: Instruction Manual & Warranty</p> <p>Official instruction manual and warranty information for the SHARP SPC189 and SPC193 LED Alarm Clock with USB charging ports. Learn how to set time, alarm, use snooze, USB charging, and safety precautions.</p>
	<p>SPC268 Sunrise Alarm Clock with USB Port: Instruction Manual & Warranty</p> <p>Official instruction manual and warranty information for the SHARP SPC268 Sunrise Alarm Clock with USB Port. Learn how to set the clock, alarms, use the sunrise and color-changing lights, and understand safety precautions.</p>
	<p>SHARP SPC543 Projection Alarm Clock with USB Port - Instruction Manual</p> <p>Official instruction manual and warranty information for the SHARP SPC543 Projection Alarm Clock with USB Port. Learn how to set the clock, alarm, date, use the projection feature, and understand safety instructions.</p>
	<p>SHARP SPC500 LCD Digital Alarm Clock User Manual and Instructions</p> <p>Official user manual and instructions for the SHARP SPC500 LCD Digital Alarm Clock. Learn how to set the time, set the alarm, use the snooze and backlight features, and understand power supply and battery warnings. Includes FCC information.</p>

 The image shows the cover page of the SHARP SPC483/SPC222 LCD Digital Alarm Clock User Manual. It features a digital clock display showing 12:00. The text includes the SHARP logo, the model numbers SPC483 and SPC222, and the title 'SHARP SPC483/SPC222 LCD Digital Alarm Clock User Manual'. There are also some smaller diagrams and text blocks on the page.	<p>SHARP SPC483/SPC222 LCD Digital Alarm Clock User Manual</p> <p>User manual providing instructions for setting up and operating the SHARP SPC483 and SPC222 LCD Digital Alarm Clocks, including features, power, care, and FCC compliance.</p>
 The image shows the cover page of the Sharp SPC182 LED Alarm Clock with USB Port - Instruction Manual and Warranty. It features a digital clock display showing 12:00. The text includes the SHARP logo, the model number SPC182, and the title 'Sharp SPC182 LED Alarm Clock with USB Port - Instruction Manual and Warranty'. There are also some smaller diagrams and text blocks on the page.	<p>Sharp SPC182 LED Alarm Clock with USB Port - Instruction Manual and Warranty</p> <p>Official instruction manual and warranty information for the Sharp SPC182 LED Alarm Clock with USB Port. Learn about features, setup, operation, safety precautions, and customer support.</p>