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Karcher DAB 2405

Karcher DAB 2405 Portable DAB+ Radio User Manual

Model: DAB 2405

1. Introduction

This manual provides detailed instructions for the setup, operation, and maintenance of your Karcher DAB 2405 Portable DAB+ Radio. Please read this manual thoroughly before using the device to ensure proper function and to prevent damage.
The Karcher DAB 2405 is a portable digital radio featuring DAB+ and FM tuners, an alarm clock with dual alarm and weekend functions, and a clear LCD display. It can be powered by either the included AC adapter or batteries, offering flexibility for both home and portable use.

2. Safety Information

- Do not expose the device to rain, moisture, or extreme temperatures.
- Avoid placing the device near heat sources such as radiators or stoves.
- Use only the provided AC adapter or recommended battery type (4x 1.5V AA).
- Do not attempt to open or repair the device yourself. Refer all servicing to qualified personnel.
- Keep the device away from strong magnetic fields.
- Ensure proper ventilation around the device during operation.

3. Package Contents

Please check that all items are present:

- Karcher DAB 2405 Portable DAB+ Radio
- AC Power Adapter
- User Manual (this document)

Note: Batteries (4x 1.5V AA) are not included and must be purchased separately for portable use.

4. Product Overview

4.1 Front Panel Controls and Display



Figure 4.1: Front view of the Karcher DAB 2405 Portable DAB+ Radio. This image displays the main speaker grille, the blue-backlit LCD screen, and the primary control buttons including INFO, MENU, BACK, SCAN, ENTER, PRESET, and numerical buttons (1-10).

- **LCD Display:** 2-line display with blue backlight for station information, time, and menu navigation.
- **INFO Button:** Toggles display information (e.g., program type, frequency, signal strength).
- **MENU Button:** Accesses the system menu for settings.
- **BACK Button:** Returns to the previous menu or screen.
- **SCAN Button:** Initiates a scan for available radio stations.
- **ENTER Button:** Confirms selections in menus.
- **PRESET Button:** Accesses preset station memory.
- **Numerical Buttons (1-10):** Directly select preset stations.
- **Navigation Arrows (Left/Right):** Navigate through menus or adjust settings.

4.2 Top Panel Controls

- **TIMER Button:** Sets the sleep timer.
- **SLEEP Button:** Activates/deactivates the sleep timer.
- **VOL +/- Buttons:** Adjusts the volume level.

4.3 Rear Panel Connections and Controls



Figure 4.2: Rear view of the Karcher DAB 2405 Portable DAB+ Radio. This image highlights the ON/OFF power switch, the DC IN port for the power adapter, the headphone output jack, and the cover for the battery compartment. The extendable antenna is also visible.

- **ON/OFF Switch:** Main power switch for the device.
- **DC IN Port:** Connects the supplied AC power adapter.
- **Headphone Jack (3.5mm):** For private listening with headphones.
- **Battery Compartment:** Holds 4x 1.5V AA batteries for portable operation.
- **Telescopic Antenna:** Extendable antenna for improved radio reception.

5. Setup

5.1 Powering the Radio



Figure 5.1: The Karcher DAB 2405 radio can be powered via the included AC adapter for home use or with batteries for portable operation. The image shows the AC adapter plugged into a wall outlet and a person carrying the radio outdoors, indicating its portability.

The DAB 2405 can be powered in two ways:

- **AC Power:** Connect the supplied AC power adapter to the DC IN port on the rear of the radio and plug the adapter into a standard wall outlet.
- **Battery Power:** Open the battery compartment on the rear of the radio and insert 4x 1.5V AA batteries, ensuring correct polarity. Close the compartment securely.

Note: When both AC power and batteries are connected, the radio will primarily use AC power. Batteries will only be used if AC power is disconnected.

5.2 Antenna Positioning

For optimal reception, fully extend the telescopic antenna. Adjust its position and angle to achieve the best signal quality, especially in areas with weaker reception.

5.3 Initial Power On and Station Scan

1. Ensure the radio is powered (AC adapter or batteries).
2. Slide the ON/OFF switch on the rear panel to the "ON" position.

3. The radio will typically power on in DAB+ mode and automatically perform a full scan for available DAB+ stations. This process may take a few minutes.
4. Once the scan is complete, the radio will display a list of found stations or tune to the first available station.

6. Operating Instructions

6.1 Power On/Off

- To turn the radio on, slide the ON/OFF switch on the rear to "ON".
- To turn the radio off, slide the ON/OFF switch on the rear to "OFF".

6.2 Mode Selection (DAB+/FM)

Press the **DAB+/FM** button (located on the front panel, top right of the display) to switch between DAB+ and FM radio modes.

6.3 DAB+ Radio Operation

1. **Scanning for Stations:** In DAB+ mode, press the **SCAN** button to initiate a full scan for available digital radio stations.
2. **Selecting Stations:** Use the **Left/Right Navigation Arrows** to browse through the list of available stations. Press **ENTER** to select and tune to a station.
3. **Display Information:** Press the **INFO** button repeatedly to cycle through various information displays, such as program type, signal strength, and time.
4. **Storing Presets:**
    a. Tune to the desired DAB+ station.
    b. Press and hold the **PRESET** button until "Preset Store" appears on the display.
    c. Use the **Navigation Arrows** to select a preset number (1-10).
    d. Press **ENTER** to confirm and save the station.
5. **Recalling Presets:**
    a. Press the **PRESET** button (short press) to enter preset recall mode.
    b. Use the **Navigation Arrows** to select the desired preset number, or press the corresponding **Numerical Button (1-10)** directly.
    c. Press **ENTER** to tune to the preset station.

6.4 FM Radio Operation

1. **Scanning for Stations:** In FM mode, press the **SCAN** button to automatically scan for and stop at the next available FM station.
2. **Manual Tuning:** Use the **Navigation Arrows** to fine-tune the frequency manually.
3. **Storing Presets:** The procedure is similar to DAB+ presets. Tune to the desired FM station, then press and hold **PRESET**, select a number (1-10), and press **ENTER**.
4. **Recalling Presets:** Short press **PRESET**, then use **Navigation Arrows** or **Numerical Buttons (1-10)**, and press **ENTER**.

6.5 Alarm Clock Functions



Figure 6.1: The Karcher DAB 2405 includes an integrated alarm clock with features like a weekend function and dual alarms, allowing for personalized wake-up settings.

The radio features a dual alarm system with a weekend function.

1. **Setting Time:** Access the system menu (**MENU** button) and navigate to the "Time" or "Clock" settings to set the current time.
2. **Setting Alarms:**
    a. From the menu, select "Alarm 1 Setup" or "Alarm 2 Setup".
    b. Set the desired alarm time using the**Navigation Arrows** and **ENTER** button.
    c. Select the alarm source: "Buzzer" or "Radio". If "Radio" is selected, choose a preset station.
    d. Set the alarm frequency: "Daily", "Weekdays", "Weekends", or "Once".
    e. Confirm settings.
3. **Snooze Function:** When the alarm sounds, press any button (except ON/OFF) to activate snooze. The alarm will sound again after a short interval.
4. **Stopping Alarm:** To turn off the alarm completely, press the ON/OFF switch or navigate to the alarm settings and disable it.

6.6 Sleep Timer

The sleep timer allows the radio to turn off automatically after a set period.

1. Press the **TIMER** or **SLEEP** button repeatedly to cycle through available sleep times (e.g., 15, 30, 45, 60, 90, 120 minutes, or OFF).
2. The selected time will be displayed, and the radio will automatically turn off after that duration.

6.7 Headphone Use

To listen privately, plug standard 3.5mm headphones into the headphone jack on the rear panel of the radio. The internal speaker will automatically mute.

7. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the radio's exterior. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** If using batteries, replace all four AA batteries simultaneously when the low battery indicator appears or when performance degrades. Do not mix old and new batteries or different battery types.
- **Storage:** If storing the radio for an extended period, remove the batteries to prevent leakage.

8. Troubleshooting

Problem	Possible Cause	Solution
No power	AC adapter not connected; Batteries depleted or incorrectly inserted; ON/OFF switch is OFF.	Check AC adapter connection; Replace batteries or ensure correct polarity; Slide ON/OFF switch to "ON".
Poor radio reception (DAB+/FM)	Antenna not extended or poorly positioned; Weak signal area.	Fully extend and adjust the telescopic antenna; Try moving the radio to a different location.
No sound from speaker	Volume too low; Headphones connected; Mute function active.	Increase volume; Disconnect headphones; Check if mute is active in menu.
Alarm does not sound	Alarm not set or deactivated; Volume too low.	Verify alarm settings in the menu; Increase volume.

9. Specifications



Figure 9.1: Dimensions of the Karcher DAB 2405 Portable DAB+ Radio. The radio measures approximately 18 cm in length, 4 cm in width, and 9 cm in height.

- **Model:** DAB 2405
- **Brand:** Karcher
- **Tuner:** DAB+, FM
- **Presets:** 10 DAB+, 10 FM
- **Display:** 2-line LCD with blue backlight
- **Power Source:** AC adapter (included), 4x 1.5V AA batteries (not included)
- **Connections:** 3.5mm Headphone Output
- **Special Features:** Portable, Alarm Clock (Dual Alarm, Weekend Function), Sleep Timer
- **Dimensions (L x W x H):** Approximately 18 cm x 4 cm x 9 cm
- **Color:** Black

10. Warranty and Support

For warranty information and technical support, please refer to the warranty card included with your purchase or visit the official Karcher website. Keep your proof of purchase for any warranty claims.
For further assistance, you may contact Karcher customer service through their official channels.

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