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Karcher RA 2030D

Karcher RA 2030D Under-Cabinet Radio User Manual

Model: RA 2030D | Brand: Karcher

1. Introduction

Thank you for purchasing the Karcher RA 2030D Under-Cabinet Radio. This versatile device combines DAB+ and FM radio reception with MP3 playback, dual alarms, a countdown timer, and a convenient smartphone charging and storage solution. Designed for easy under-cabinet installation, it is an ideal addition to any kitchen or workspace. Please read this manual carefully before operation to ensure proper use and to maximize the product's features.

2. Safety Instructions

To ensure safe operation and prevent damage, please observe the following safety precautions:

- Do not expose the device to rain or moisture to prevent fire or electric shock.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

3. Package Contents

Please check that all items are present in the package:

- Karcher RA 2030D Under-Cabinet Radio
- Remote Control
- Mounting Material

- User Manual (DE/EN)

4. Product Overview



Figure 4.1: Front view of the Karcher RA 2030D Under-Cabinet Radio, showing the display, control buttons, and USB port.



Figure 4.2: The remote control for the Karcher RA 2030D, featuring various function buttons for convenient operation.

4.1 Main Unit Controls and Features

- **Power Button:** Turns the unit on or off.
- **Scan/Select:** Initiates station scan or confirms selection.
- **Sleep:** Sets sleep timer.
- **Dimmer:** Adjusts display brightness (3 levels).

- **Tuning Buttons (<< / >>):** Navigates through stations or tracks.
- **Preset Buttons (+ / -):** Cycles through saved radio presets.
- **Volume Buttons (+ / -):** Adjusts audio volume.
- **Mute:** Mutes or unmutes audio.
- **AL1 / AL2:** Sets or activates Alarm 1 and Alarm 2.
- **Menu/Info:** Accesses menu options or displays information.
- **USB Port:** For MP3 playback and smartphone charging.
- **Source:** Switches between DAB+, FM, and USB modes.
- **Clock:** Sets time and date.
- **Timer:** Activates countdown timer.
- **LCD Display:** Shows frequency, time, station info, and other relevant data.
- **Foldable Smartphone Cradle:** Provides a secure place for your smartphone.

4.2 Remote Control Functions

The remote control provides convenient access to most functions. Ensure batteries are inserted correctly (not included in package).

- **Power:** On/Off.
- **DAB / FM / USB:** Direct source selection.
- **Scan:** Initiates station scan.
- **Select:** Confirms selection.
- **Playback Controls (Play/Pause, Skip, Fast Forward/Rewind):** For USB playback.
- **Menu/Info:** Accesses menu options or displays information.
- **Volume (+ / -):** Adjusts audio volume.
- **EQ:** Cycles through equalizer presets.
- **Prog:** Programs radio presets.
- **Display:** Adjusts display information.
- **Dimmer:** Adjusts display brightness.
- **Sleep:** Sets sleep timer.
- **Timer:** Activates countdown timer.

5. Setup

5.1 Under-Cabinet Mounting

The Karcher RA 2030D is designed for easy under-cabinet installation. Use the provided mounting material for secure attachment.

1. Identify a suitable location under a cabinet, ensuring sufficient space for the unit and access to controls.
2. Attach the mounting plate (if separate) to the underside of the cabinet using the supplied screws. Ensure it is level and securely fastened.
3. Align the radio with the mounting plate and slide it into place until it clicks securely. The design includes rubber/silicone decoupling to prevent vibrations from transferring to the cabinet.
4. For optimal reception, ensure the integrated antenna wire is extended and positioned away from metal objects.

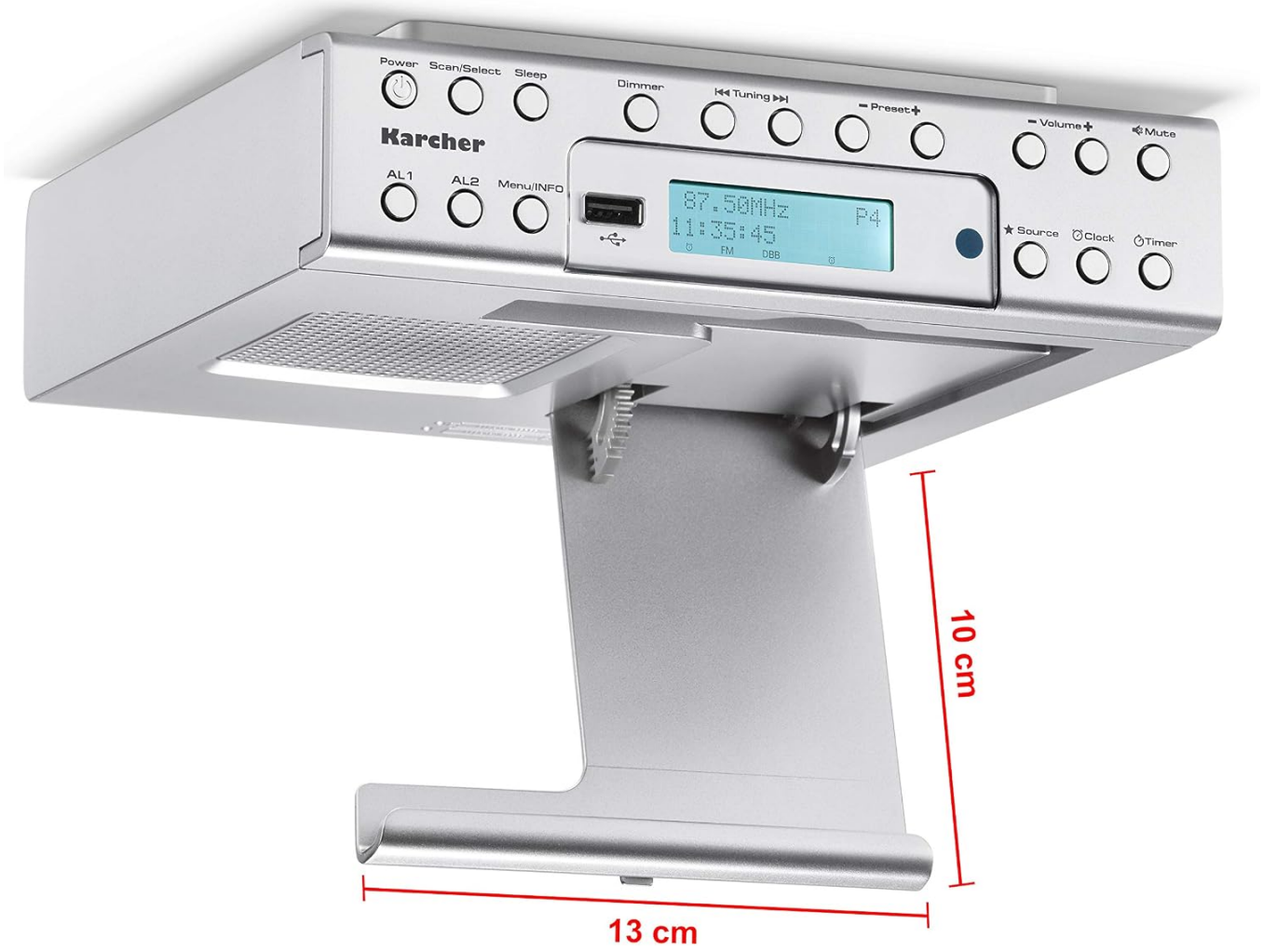


Figure 5.1: The radio with its smartphone cradle extended, showing approximate dimensions for installation planning (10cm height, 13cm depth for cradle).

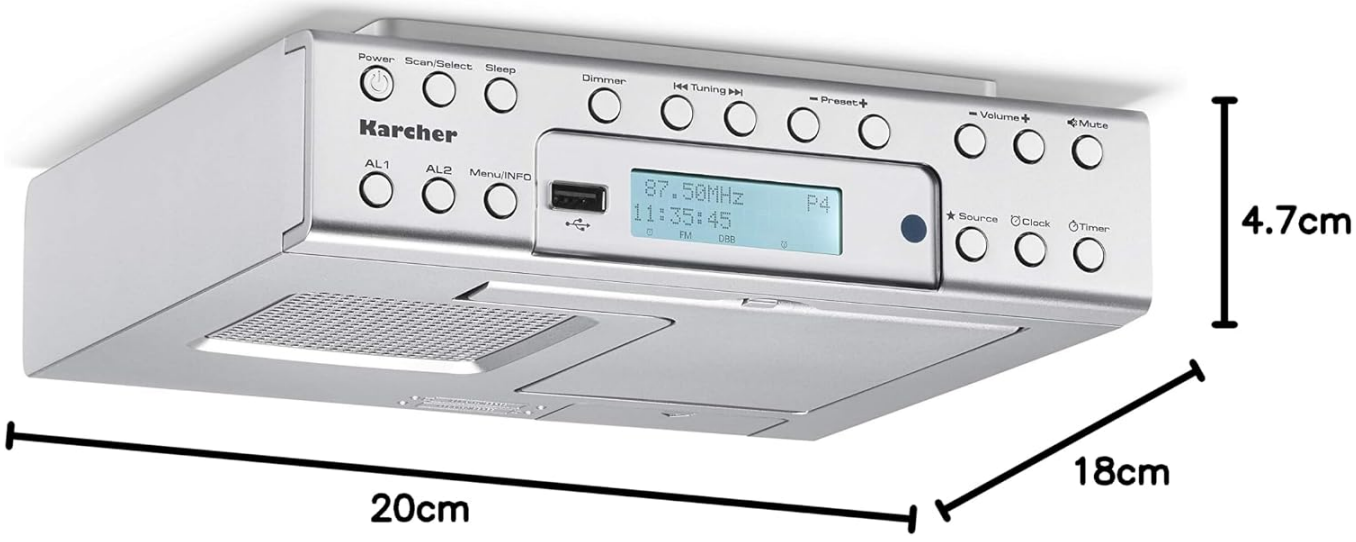


Figure 5.2: Overall dimensions of the Karcher RA 2030D unit (20cm width, 18cm depth, 4.7cm height).

5.2 Power Connection

Connect the provided power adapter to the DC IN port on the back of the radio and then plug it into a standard wall outlet. The unit will power on automatically or enter standby mode.

5.3 Battery Backup

The unit supports battery backup (batteries not included) to retain time and alarm settings during power outages. Refer to

the battery compartment for correct battery type and insertion.

6. Operating Instructions

6.1 Basic Operation

- **Power On/Off:** Press the **Power** button on the unit or remote.
- **Volume Adjustment:** Use the **Volume +** or **Volume -** buttons.
- **Mute:** Press the **Mute** button to silence the audio. Press again to unmute.
- **Source Selection:** Press the **Source** button to cycle through DAB+, FM, and USB modes.

6.2 Radio Operation (DAB+ / FM)

The radio supports both DAB+ digital radio and traditional FM radio with RDS.



Figure 6.1: The DAB+ logo, indicating digital audio broadcasting capability.

- **Automatic Station Scan:** In DAB+ or FM mode, press the **Scan** button to automatically search for available stations.
- **Manual Tuning:** Use the **Tuning <<** or **Tuning >>** buttons to manually tune to frequencies.
- **Saving Presets:** The unit allows saving up to 20 stations for both DAB+ and FM.
    a. Tune to the desired station.
    b. Press and hold the **Preset +** or **Preset -** button until the display shows "Preset Store".
    c. Use the **Tuning** buttons to select a preset number (1-20).
    d. Press **Select** to confirm.
- **Recalling Presets:** Briefly press the **Preset +** or **Preset -** buttons to cycle through saved stations.

6.3 USB Playback

The USB port supports playback of MP3 files from a USB flash drive.

- Insert a USB flash drive into the USB port. The unit will automatically switch to USB mode or you can select it using the **Source** button.
- Use the playback controls (Play/Pause, Skip, Fast Forward/Rewind) on the unit or remote to navigate and control music.

6.4 Alarm, Clock, and Timer Functions

- **Setting the Clock:** Press the **Clock** button and follow the on-screen prompts to set the time and date. The clock automatically sets itself upon first operation if connected to DAB+ or FM with RDS.
- **Dual Alarm:** The unit features two independent alarms (AL1, AL2) with a weekend function.
    a. Press **AL1** or **AL2**.
    b. Use the **Tuning** buttons to set the alarm time, alarm source (buzzer, radio), and volume.
    c. Select the alarm frequency (daily, weekdays, weekends, once).
    d. Press **Select** to confirm each setting.
- **Snooze Function:** When an alarm sounds, press any button (except Power) 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). The radio will turn off automatically after the set time.

- **Countdown Timer:** Ideal for cooking, the countdown timer can be set for specific durations.
    a. Press the **Timer** button.
    b. Use the **Tuning** buttons to set the desired countdown time in minutes.
    c. Press **Select** to start the timer. An audible alert will sound when the time expires.

6.5 Smartphone Cradle and USB Charging

The integrated foldable cradle provides a convenient place to rest your smartphone or tablet while using the radio.



Figure 6.2: The Karcher RA 2030D with a smartphone securely placed in its foldable cradle, ideal for viewing recipes or videos.

- Gently pull down the cradle from the bottom of the unit until it locks into position.
- Place your smartphone or small tablet into the cradle.
- Connect your device's USB charging cable to the USB port on the radio to utilize the charging function.

6.6 Audio Equalizer and Display Dimmer

- **Equalizer:** Press the **EQ** button on the remote control to cycle through preset audio modes (Normal, Pop, Jazz, Rock, Classic) to optimize sound for different content.
- **Display Dimmer:** Press the **Dimmer** button on the unit or remote to adjust the LCD display brightness through 3 levels.

7. Maintenance

Proper care and maintenance will ensure the longevity of your Karcher RA 2030D.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use abrasive cleaners, waxes, or solvents.

- **Ventilation:** Ensure that the ventilation openings are not blocked by dust or debris.
- **Storage:** If storing the unit for an extended period, disconnect it from power and remove any backup batteries.

8. Troubleshooting

If you experience issues with your radio, please consult the following table before seeking professional service.

Problem	Possible Cause	Solution
No power	Power cord not connected; Power outlet faulty.	Ensure power cord is securely plugged in. Try a different power outlet.
No sound	Volume too low; Mute function active; Incorrect source selected.	Increase volume. Press Mute button. Press Source button to select correct input.
Poor radio reception	Antenna not extended/positioned correctly; Interference from other electronics.	Extend and adjust the antenna. Move the unit away from other electronic devices. Try rescanning for stations.
USB playback not working	USB drive not formatted correctly; Unsupported file format; USB drive faulty.	Ensure USB drive is formatted to FAT32. Check if files are MP3. Try a different USB drive.
Alarm not sounding	Alarm not activated; Alarm volume too low; Incorrect alarm time/frequency set.	Verify alarm settings (AL1/AL2). Increase alarm volume. Check alarm frequency (daily, weekend, etc.).

9. Specifications

Feature	Detail
Model Number	RA 2030D
Dimensions (W x D x H)	20 cm x 18 cm x 4.7 cm
Weight	9.07 grams *(Note: This weight appears unusually low and may be a data entry error in the source information.)*
Tuner Technology	DAB+ / UKW (FM)
Supported Radio Ranges	FM, DAB+
Output Power	2 Watt (RMS)
Station Presets	20 for DAB+, 20 for FM
Connectivity	USB (for MP3 playback and charging)
Special Features	Equalizer, Dual-Alarm, Countdown-Timer, Smartphone Cradle, USB Charger, Dimmable LCD Display, RDS

Feature	Detail
Power Source	Mains operated, Battery-Backup function
Color	Silver

10. Warranty and Support

Karcher products are manufactured to high quality standards. For information regarding warranty terms and conditions, please refer to the warranty card included with your product or visit the official Karcher website. For technical support or service inquiries, please contact Karcher customer service through their official channels.
You can find more information and support on the official Karcher store page:Karcher Store

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