

Redkey ZHEU-10031790071-R20

Redkey R20 Robot Vacuum Cleaner User Manual

Model: ZHEU-10031790071-R20

INTRODUCTION

Thank you for choosing the Redkey R20 Robot Vacuum Cleaner. This advanced cleaning device is designed to provide efficient and hands-free floor cleaning with its powerful 6000 Pa suction, automatic mop lifting, hot water mop washing, and self-drying capabilities. Equipped with a user-friendly touchscreen and auto-draining features, the R20 ensures a comprehensive and convenient cleaning experience for various hard floor surfaces including marble, tile, linoleum, and vinyl. Please read this manual thoroughly before operating the device to ensure proper use, maintenance, and safety.

IMPORTANT SAFETY INSTRUCTIONS

To reduce the risk of injury or damage, read these safety instructions carefully and keep them for future reference.

- This appliance can be used by children aged 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children should be supervised to ensure that they do not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.
- Use only as described in this manual. Use only manufacturer's recommended attachments.
- Do not use the appliance if the power cord or plug is damaged.
- Do not handle the plug or appliance with wet hands.
- Do not immerse the robot or charging station in water.
- Keep hair, loose clothing, fingers, and all parts of the body away from openings and moving parts.
- Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Do not use without dust bin and/or filters in place.
- Do not use in areas where there are flammable or combustible liquids.

- Ensure the robot is turned off before cleaning or performing maintenance.

PACKAGE CONTENTS

Please check the box for the following items:

- Redkey R20 Robot Vacuum Cleaner
- Multi-functional Docking Station (Auto-drain, Hot Water Mop Wash, Mop Drying)
- Rotary Mop Pads (Pre-installed or separate)
- Power Cord
- User Manual (This document)
- Cleaning Brush/Tool
- Side Brushes (if not pre-installed)
- Dust Bag (for auto-empty feature, if applicable)

SETUP

1. Unpacking

Carefully remove all components from the packaging. Remove any protective films or packing materials from the robot and the docking station.

2. Docking Station Placement

Place the docking station on a hard, level surface against a wall. Ensure there is at least 0.5 meters (1.6 feet) of clear space on both sides and 1.5 meters (4.9 feet) in front of the docking station for the robot to navigate freely. Plug the power cord into the docking station and then into a wall outlet.



Image: The Redkey R20 Robot Vacuum Cleaner docked in its multi-functional station, showing the clean water and dirty

water tanks on the side. This station handles auto-draining, hot water mop washing, and mop drying.

3. Initial Charging

Place the robot onto the docking station, ensuring the charging contacts align. The robot will automatically begin charging. For the first use, it is recommended to fully charge the robot before its initial cleaning cycle. The battery indicator on the robot or docking station display will show the charging status.

4. Filling Water Tanks

Locate the clean water tank on the docking station (usually marked). Fill it with clean tap water. For optimal hot water mop washing, ensure the tank is adequately filled. The dirty water tank will collect wastewater during the mop washing process.

5. App Connection (Optional but Recommended)

Download the official Redkey app from your smartphone's app store. Follow the in-app instructions to connect your robot vacuum to your home Wi-Fi network. The app allows for advanced features such as scheduling, cleaning mode selection, no-go zones, and real-time monitoring.



Image: The top view of the Redkey R20 docking station, featuring a large touchscreen display that shows various control

OPERATING THE ROBOT VACUUM

1. Starting a Cleaning Cycle

- **Via Touchscreen:** Use the integrated touchscreen display on the docking station. Tap "Start Cleaning" or select a specific cleaning mode.
- **Via App:** Open the Redkey app, select your device, and tap the "Start" button.
- **Manual Button:** Press the physical button on the robot (if available) to start a standard cleaning cycle.

2. Cleaning Modes

The Redkey R20 offers various cleaning modes to suit different needs:

- **Auto Clean:** The robot intelligently navigates and cleans the entire accessible area.
- **Spot Clean:** Cleans a specific area more intensely. Place the robot in the center of the dirty area and activate.
- **Zone Clean:** Define specific areas on the map via the app for the robot to clean.
- **Custom Clean:** Draw a custom cleaning path on the map via the app.
- **Mop Only:** Focuses solely on mopping, ideal for hard floors.

3. Automatic Features

- **Auto-Drain:** The docking station automatically empties the robot's dustbin into a sealed dust bag, minimizing contact with dirt.
- **Hot Water Mop Washing:** During and after mopping, the robot returns to the station to have its mop pads washed with hot water, ensuring hygienic cleaning.
- **Mop Drying:** After washing, the mop pads are dried with hot air to prevent mildew and odors.
- **Automatic Mop Lifting:** The robot can automatically lift its mop pads when detecting carpets, preventing them from getting wet during vacuuming.

4. Pausing/Resuming/Returning to Dock

- **Pause:** Press the button on the robot or use the app/touchscreen to pause a cleaning cycle.
- **Resume:** Press the button again or use the app/touchscreen to resume.
- **Return to Dock:** The robot will automatically return to the docking station when its battery is low or when a cleaning cycle is complete. You can also manually send it back via the app or touchscreen.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your Redkey R20.

1. Emptying the Dustbin/Replacing Dust Bag

Thanks to the auto-drain feature, the robot's internal dustbin is emptied into a larger dust bag within the docking station. Check the dust bag indicator on the docking station or app. Replace the dust bag when full.

2. Cleaning the Main Brush and Side Brushes

- Turn the robot over. Remove the main brush cover and then the main brush. Use the cleaning tool to

remove hair and debris.

- Carefully pull off the side brushes. Remove any tangled hair or debris. Reattach them securely.

3. Cleaning Mop Pads

The docking station automatically washes and dries the mop pads. However, it is recommended to periodically remove the mop pads and hand wash them thoroughly or machine wash them (if compatible) to ensure deep cleaning. Replace worn-out mop pads as needed.

4. Cleaning Water Tanks

- **Clean Water Tank:** Rinse regularly to prevent algae or mineral buildup.
- **Dirty Water Tank:** Empty and rinse after each cleaning cycle to prevent odors and bacterial growth.

5. Cleaning Sensors and Charging Contacts

Wipe all sensors (cliff sensors, wall sensors) and charging contacts on both the robot and the docking station with a clean, dry cloth. Dust and debris can interfere with their functionality.

TROUBLESHOOTING

If you encounter issues with your Redkey R20, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Robot does not turn on.	Low battery; power switch off.	Place on charging station; ensure power switch is ON.
Robot cannot find docking station.	Docking station obstructed; too far away.	Ensure clear space around station; manually place robot closer.
Poor cleaning performance.	Full dustbin; tangled brushes; dirty filters.	Empty dustbin/replace bag; clean main/side brushes; clean/replace filters.
Mop pads not cleaning effectively.	Dirty mop pads; empty clean water tank.	Clean/replace mop pads; refill clean water tank.
Robot gets stuck frequently.	Obstacles; cluttered environment.	Clear cables, rugs, and small objects from cleaning path.

For more detailed troubleshooting or persistent issues, please refer to the Redkey official website or contact customer support.

SPECIFICATIONS

Feature	Detail
Brand	Redkey
Model Number	ZHEU-10031790071-R20
Suction Power	Up to 6000 Pa
Color	White

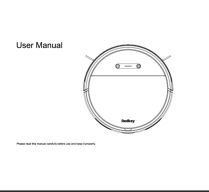

Feature	Detail
Dimensions (Package)	50 x 45 x 45 cm
Item Weight	4 Kilograms
Special Feature	Cordless, Automatic Mop Lifting, Hot Water Mop Wash, Mop Drying, Auto-Drain
Surface Recommendation	Marble, Tile, Linoleum, Vinyl
Controller Type	Touch Control
Included Components	Docking station, Rotary mop pads
Filter Type	Cloth
Power Source	Battery Powered
Batteries Included?	Yes


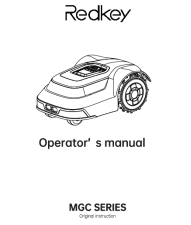

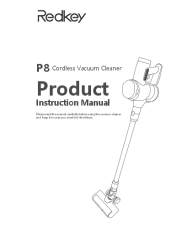
WARRANTY AND SUPPORT

Specific warranty information for the Redkey R20 Robot Vacuum Cleaner is not provided in this manual. Please refer to the warranty card included with your product or visit the official Redkey website for detailed warranty terms and conditions. For technical support, spare parts, or service inquiries, please contact Redkey customer service through their official channels.

Online Support: Visit the official Redkey website for FAQs, video tutorials, and contact information.

Related Documents - ZHEU-10031790071-R20

	<p>Redkey Robot Vacuum Cleaner User Manual</p> <p>User manual for the Redkey Robot Vacuum Cleaner, detailing product introduction, packing list, robot buttons, sensors, installation steps, operation modes, and remote control functions.</p>
	<p>Redkey MGC Robot Lawn Mower: Installation and User Manual</p> <p>Comprehensive guide for installing, operating, and maintaining your Redkey MGC series robot lawn mower. Includes safety instructions, technical specifications, troubleshooting, and warranty information.</p>

	<p>Redkey S100 Robotic Pool Cleaner User Manual</p> <p>Comprehensive user manual for the Redkey S100 Robotic Pool Cleaner, detailing setup, operation, maintenance, and troubleshooting for optimal pool cleaning performance.</p>
	<p>Redkey MGC Series Robotic Lawn Mower Operator's Manual</p> <p>Comprehensive operator's manual for the Redkey MGC Series robotic lawn mower, covering safety, operation, installation, maintenance, troubleshooting, and technical specifications.</p>
	<p>Redkey S100 Robotic Pool Cleaner User Manual</p> <p>Comprehensive guide for the Redkey S100 Robotic Pool Cleaner, covering setup, operation, maintenance, and troubleshooting. Learn how to efficiently clean your pool with this automatic cleaner.</p>
	<p>Redkey P8 Cordless Vacuum Cleaner Product Instruction Manual</p> <p>Comprehensive instruction manual for the Redkey P8 Cordless Vacuum Cleaner, covering setup, usage, maintenance, and troubleshooting. Learn how to assemble, operate, and care for your device.</p>