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JONR JONR P20 Pro

JONR P20 Pro Robot Vacuum and Mop User Manual

Model: JONR P20 Pro

Brand: JONR

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your JONR P20 Pro Robot Vacuum and Mop. Please read this manual thoroughly before using the appliance and retain it for future reference.

2. PRODUCT OVERVIEW

The JONR P20 Pro is an advanced robot vacuum and mop designed for comprehensive home cleaning. It features a fully automatic base station that handles dust collection, mop cleaning, self-emptying, and hot air drying, providing up to 60 days of hands-free operation.

Key Features:

- **Fully Automatic Base Station:** Integrates automatic dust collection, mop cleaning, self-emptying, and hot air drying. Features a 3L dust bag for up to 60 days hands-free and 4L clean/sewage water tanks.
- **Powerful Suction:** 8000 Pa suction power for effective removal of debris, dust, and pet hair.
- **Intelligent Carpet Detection:** Mop automatically lifts 8mm on carpets to prevent wetting.
- **Dual Rotation High-Speed Mop:** Dynamic rotation and pressurized mopping for deep floor cleaning. Self-cleaning and hot air drying of mops at the base station.
- **Anti-Tangle Design Roller Brush:** Cyclone deflector design effectively avoids hair tangling, ideal for pet owners.
- **Retractable Mopping Arm:** Extends to corners and furniture edges for comprehensive cleaning, increasing edge coverage by 99%.
- **Comprehensive App Control:** Schedule cleaning, 3D map building, room division, path planning, smart NO-GO-ZONES, multi-level map storage via Mi Home APP (2.4GHz WiFi only).

Components:

- JONR P20 Pro Robot Vacuum Cleaner x1

- Base Station x1
- Cleaning Brush x1
- Mop x2



Figure 2.1: JONR P20 Pro Robot Vacuum and Mop with its automatic base station and a smartphone displaying the Mi Home app interface for mapping and control.

Extendable Arm for Mopping. Spotless Clean.

Extendable arm, close to edge mopping, offers unparalleled thorough cleaning coverage, leaving behind no dirt by eliminating blind spots.



Figure 2.2: The robot vacuum demonstrating its extendable mopping arm, designed to reach edges and corners for improved cleaning coverage.

Multifunction Dock

Make daily home Cleaning fully automatic

JONR P20 Pro robot vacuum fully automatic cleaning.
Clean. Sterile. Odourless



Mop Auto-Washing



Dust Auto-Emptying



Mop and Dock Auto-Drying



Figure 2.3: An exploded diagram illustrating the internal mechanisms of the multifunction dock, highlighting its capabilities for mop auto-washing, dust auto-emptying, and auto-drying of the mop and dock.

3. SETUP

3.1 Unboxing and Initial Assembly

1. Carefully remove all components from the packaging.
2. Attach the side brush to the robot vacuum.
3. Snap on the mop pads to the bottom of the robot.
4. Place the base station against a wall in an open area, ensuring at least 0.8m clearance on both sides and 1.2m in front.
5. Attach the extension plate to the base of the station.
6. Connect the base station to a power source.
7. Place the robot vacuum onto the base station to charge.

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Video 3.1: This video demonstrates the unboxing and initial setup of the JONR P20 Pro Robot Vacuum and Mop, including attaching

components and placing the base station.

3.2 App Installation and Network Configuration

1. Download the "Mi Home" (or "Xiaomi Home") app from your device's app store.
2. Open the Mi Home app and enter the homepage.
3. Click the "+" icon to add a new device. The app should automatically detect the "JONR P20 Pro". If not, use the search bar to find "JONR P20 Pro".
4. Ensure your phone is connected to a 2.4GHz Wi-Fi network, as the robot vacuum only supports this frequency.
5. To reset the device for network configuration, simultaneously press and hold the power button and the recharge button on the robot for 3 seconds until you hear a voice prompt and the button lights start flashing.
6. Follow the in-app instructions to connect the robot to your Wi-Fi network.
7. Set up rooms and custom cleaning routines within the app.

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Video 3.2: This video provides a step-by-step guide on connecting the JONR P20 Pro Robot Vacuum to the Mi Home app and configuring network settings.

4. OPERATING INSTRUCTIONS

4.1 Cleaning Modes

The JONR P20 Pro offers various cleaning modes accessible via the Mi Home app:

- **Vacuum Only:** For dry debris collection. The mop pads will automatically lift when on carpets.
- **Mop Only:** For wet mopping. Ensure the clean water tank is filled.
- **Vacuum & Mop:** Simultaneous vacuuming and mopping for comprehensive cleaning.
- **Zone Cleaning:** Define specific areas on the map for targeted cleaning.
- **Spot Cleaning:** Direct the robot to clean a small, concentrated area.

8mm Auto Mop Lifting

Smart Lift, Carpet Protection, Worry-Free Clean.



Dual Spinning Mops for Stubborn Stain Removal

Dynamic rotary pressurised mop ensures thorough and efficient mopping, leaving your floors gleaming with every pass.



Figure 4.1: Illustration of the robot's 8mm auto mop lifting feature for carpet protection and the dual spinning mops for effective stain removal.

4.2 Navigation and Mapping

The robot uses LiDAR navigation for quick 3D map building and precise path planning. You can manage maps, set no-go zones, and store multi-level maps through the Mi Home app.

8000 Pa Extreme Suction

Dust, dirt and hair are easily captured from carpets and different floor types. Removal rate $\geq 99\%$.



Figure 4.2: The robot utilizing LiDAR navigation to scan and map its environment, alongside its reactive obstacle avoidance technology for seamless movement.

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Video 4.1: This video demonstrates the JONR P20 Pro in action, showcasing its vacuuming capabilities on different surfaces and its ability to navigate around furniture.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your JONR P20 Pro. Always power off the device before performing any maintenance.

5.1 Base Station Maintenance

1. **Emptying Water Tanks:** Regularly empty the dirty water tank and refill the clean water tank. The 4L capacity allows for cleaning large areas.
2. **Dust Bag Replacement:** The 3L dust bag in the base station can hold up to 60 days of dust. Replace it when full.
3. **Cleaning the Detachable Base:** The base plate of the station is detachable for easy cleaning to prevent

clogging.



Figure 5.1: The base station showing its 4L clean and dirty water tanks, and the 3L dust bag for automatic dust emptying, providing extended hands-free operation.

5.2 Robot Vacuum Maintenance

1. **Dustbox and Filter:** Remove and empty the robot's dustbox after each cleaning cycle. Clean the filter regularly to maintain suction power.
2. **Roller Brush:** Periodically remove the main roller brush and clean any tangled hair or debris. The anti-tangle design minimizes this issue.
3. **Side Brush:** Clean the side brush to ensure effective edge sweeping.
4. **Wheels:** Clean the main wheels and the omni-directional wheel to ensure smooth movement.
5. **Sensors:** Wipe the sensors (including laser detect) and charging contacts with a dry, soft cloth to remove dust and ensure proper function.

Anti-tangle Design Roller Brush

Cyclone Air Flow Anti-Tangle



Figure 5.2: Close-up view of the robot's anti-tangle design roller brush, which uses cyclone air flow to prevent hair from wrapping around it.

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Video 5.1: This video demonstrates the maintenance procedures for the JONR P20 Pro, including cleaning the water tanks, dust bag compartment, brushes, wheels, and sensors.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Robot does not turn on.	Low battery or not properly charged.	Place the robot on the charging station and ensure it is properly connected. Check power supply to the station.
Poor suction performance.	Dustbox full, filter clogged, or roller brush tangled.	Empty the dustbox, clean or replace the filter, and clean the roller brush.

Problem	Possible Cause	Solution
Mop not cleaning effectively.	Dirty water tank full, clean water tank empty, or mop pads dirty.	Empty dirty water tank, refill clean water tank, clean or replace mop pads.
Robot gets stuck frequently.	Obstacles in path, dark surfaces, or tangled cords.	Clear obstacles, use no-go zones in the app, ensure proper lighting on dark floors.
Cannot connect to Wi-Fi.	Incorrect Wi-Fi frequency (only 2.4GHz supported), wrong password, or weak signal.	Ensure 2.4GHz Wi-Fi, re-enter password, move robot closer to router, reset robot's Wi-Fi.

7. SPECIFICATIONS

- **Brand:** JONR
- **Model Name:** JONR P20 Pro Robot Vacuum
- **Product Dimensions:** 24.8"L x 18.11"W x 16.93"H
- **Item Weight:** 30.8 pounds
- **Suction Power:** 8000 Pa
- **Battery Life:** 3 Hours
- **Water Tank Capacity:** 4 Liters (Clean & Dirty)
- **Dust Bag Capacity:** 3 Liters (up to 60 days hands-free)
- **Filter Type:** HEPA
- **Control Method:** App (Mi Home)
- **Compatible Devices:** Amazon Echo
- **Wi-Fi Support:** 2.4GHz only
- **Color:** White
- **Manufacturer:** JONR
- **Country of Origin:** China
- **UPC:** 768531997021

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or contact JONR customer service directly. Keep your purchase receipt for warranty claims.

Protection Plans:

- 2-Year Protection Plan: Available for purchase.
- 3-Year Protection Plan: Available for purchase.
- Complete Protect: Monthly plan covering eligible past and future purchases.

Manufacturer: JONR

Seller: WHSJMC (Fulfilled by Amazon)

Return Policy: 30-day refund/replacement policy.

