

NARWAL Freo Z Ultra

NARWAL Freo Z Ultra Robot Vacuum and Mop Combo User Manual

Model: Freo Z Ultra (YJCC017)

Brand: NARWAL

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and efficient use of your NARWAL Freo Z Ultra Robot Vacuum and Mop Combo. Please read this manual thoroughly before operating the device and retain it for future reference.

2. PACKAGE CONTENTS

Verify that all components are present in the package:

- NARWAL Freo Z Ultra Robot
- Base Station
- Side brush (1 pair)
- Base station power cord (1)
- Floor detergent (1)
- Extension ramp (1)
- Dust bin filter (1)
- Base station dust bag (1)
- Baseboard cleaning module (1)
- Baseboard rag (3)
- Replaceable insert bin (1)
- Product manual (1)



Figure 2.1: NARWAL Freo Z Ultra Robot and Base Station.

3. SETUP

3.1 Base Station Placement

Place the base station on a hard, flat surface against a wall, ensuring adequate clearance around it for the robot to dock. Avoid placing it near stairs or heat sources.

3.2 Power Connection

Connect the base station power cord to the base station and then to a power outlet. Ensure the power cord is neatly arranged to prevent entanglement.

3.3 App Installation and Wi-Fi Connection

1. Download the NARWAL app from your device's app store.
2. Create an account or log in.
3. Follow the in-app instructions to add your Freo Z Ultra robot.
4. Connect the robot to your **2.4GHz Wi-Fi network**. 5GHz Wi-Fi is not supported.

3.4 Initial Charging

Place the robot onto the base station to charge fully before its first use. The app will indicate the charging

status.

4. OPERATING INSTRUCTIONS

4.1 Starting a Cleaning Cycle

You can start a cleaning cycle via the NARWAL app or by pressing the button on the robot. The robot will begin mapping your home and cleaning according to its intelligent algorithms.

4.2 Obstacle Avoidance and Navigation

The Freo Z Ultra utilizes dual 1600x1200 HD cameras and dual chips for real-time decision-making and advanced obstacle avoidance. It identifies over 120 objects, avoiding hazards like pet accidents by 150mm and cleaning close to furniture legs (within 8mm).

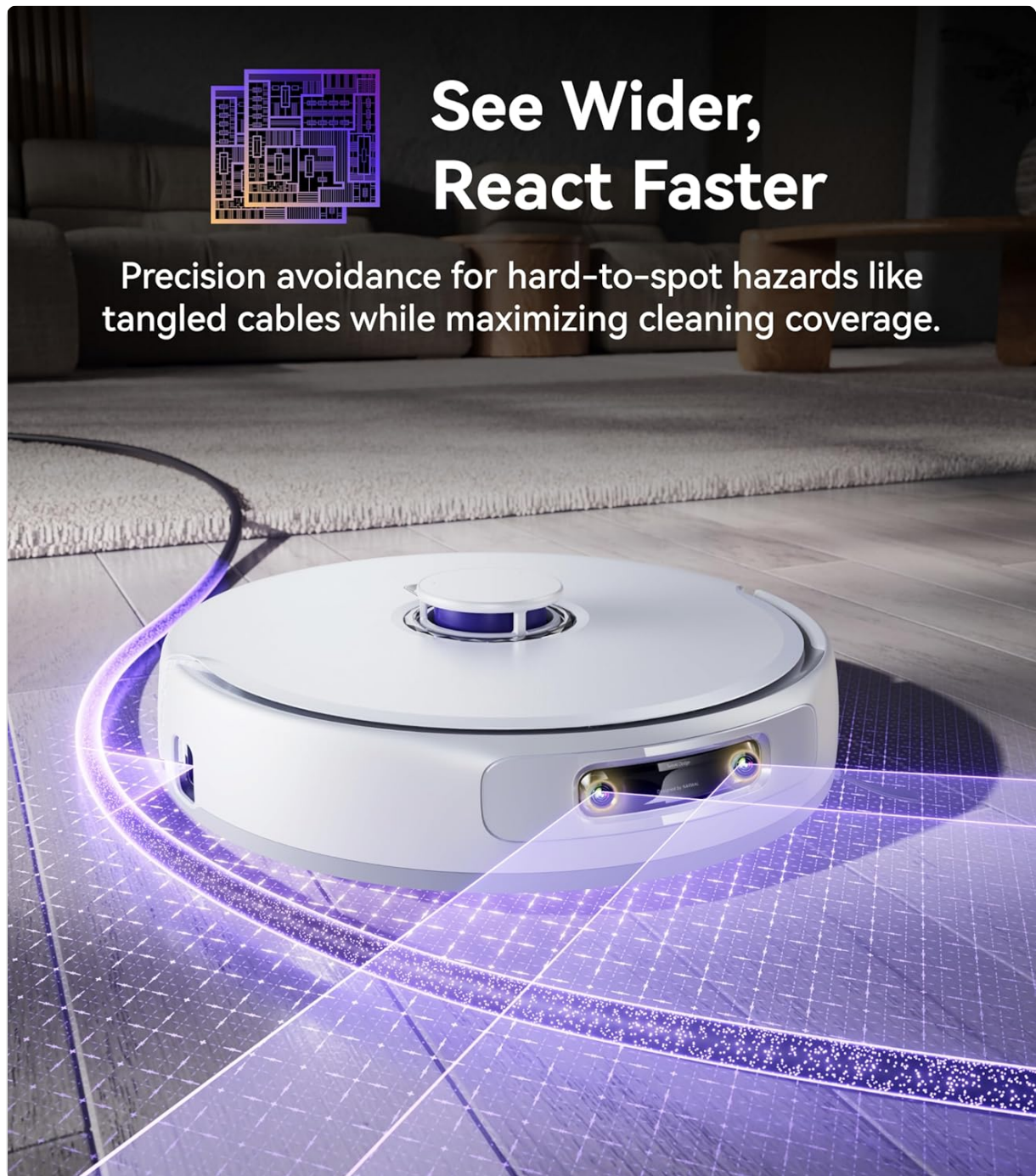


Figure 4.1: Robot utilizing AI for obstacle avoidance.

4.3 Cleaning Modes and Performance

The robot intelligently identifies dirt and deploys appropriate cleaning modes. For wet messes, mops are deployed; for dry messes, mops are lifted to prevent spreading.



Figure 4.2: Real-time cleaning mode adjustments.

- **Suction:** Features 12,000Pa suction for effective dirt and pet hair removal from carpets and crevices.
- **Mopping:** Dual mops apply 1.2 kg of downward force and scrub at 180 RPM to remove stubborn stains. Triangular mop heads ensure edge-to-edge cleaning.
- **Edge Cleaning:** EdgeSwing technology and a dedicated baseboard cleaning module ensure thorough cleaning along walls and baseboards.

12,000Pa Hyper Suction

99%+* dust removal on hardwood floors, even from edges and crevices.



12,000 Pa

* Lab tests. Actual results may vary.

Figure 4.3: 12,000Pa Hyper Suction capability.

Easily Tackles Stubborn Stains

1.2 kg* downward pressure and 180 RPM* scrubbing mops clean deep and remove dried-on stains.



Ketchup



Coffee Stains



Mud

* Lab tests. Actual results may vary.

Figure 4.4: Effective stain removal by mopping function.

Clean in a New Dimension

Remove dirt from right up to the wall, and even on the baseboard itself.



Figure 4.5: Edge and baseboard cleaning capabilities.

5. MAINTENANCE

5.1 Base Station Maintenance

The Ultra Quiet Self-Empty Station performs several maintenance tasks automatically:

- **Mop Washing:** AI detects mop contaminants and cleans mops with hot water (104°F to 140°F) to flush grease, then reaches 167°F for hygienic cleaning.
- **Mop Drying:** A self-drying system prevents odors.
- **Self-Emptying:** The 2.5L dustbag holds up to 120 days of compressed dirt. Replace the dustbag when full.
- **Self-Cleaning:** The station cleans itself to maintain hygiene.
- **Auto Refilling:** The station automatically refills the robot's water tank.

Ultra-Quiet 8-in-1 Base Station

The complete cleaning pit stop that works at low volume.



Figure 5.1: Ultra-Quiet 8-in-1 Base Station functions.

5.2 Robot Component Maintenance

- **Side Brushes:** Regularly check for hair and debris. Clean or replace as needed.
- **Main Brush:** The certified tangle-free brush minimizes hair entanglement. Periodically remove the main brush and clean any accumulated hair or debris.

Certified Zero-Tangling

The SGS-certified* tangle-free roller brush easily picks up hair and fur without tangling, even on carpets.



Freo Z Ultra

VS



Other



* Data is from SGS. SGS-certified 0% hair tangling rate.

Figure 5.2: Certified Zero-Tangling brush technology.

- **Dust Bin Filter:** Clean the dust bin filter regularly to maintain suction performance. Replace every 3-6 months depending on usage.
- **Sensors:** Wipe the robot's sensors with a clean, dry cloth to ensure optimal navigation and obstacle avoidance.

6. TROUBLESHOOTING

If you encounter issues with your NARWAL Freo Z Ultra, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Robot does not turn on or charge.	Base station not powered, robot not properly docked.	Ensure base station is plugged in. Re-dock the robot, ensuring contact with charging pins.
Robot cannot connect to Wi-Fi.	Incorrect Wi-Fi band, weak signal, incorrect password.	Ensure you are connecting to a 2.4GHz network. Move robot closer to router. Re-enter Wi-Fi password.
Poor cleaning performance.	Full dustbag, dirty filter, tangled brushes, low water/detergent.	Empty dustbag. Clean/replace filter. Clean main and side brushes. Refill water/detergent tanks.
Robot gets stuck frequently.	Obstacles, dirty sensors.	Clear area of small objects, cables, and thick rugs. Clean all sensors on the robot.
Mops are not washing or drying properly.	Base station water tanks empty, clogged nozzles.	Ensure clean and dirty water tanks are correctly installed and filled/emptied. Check for blockages in the mop washing area.

For further assistance, please refer to the NARWAL app or contact customer support.

7. SPECIFICATIONS

Feature	Detail
Brand	NARWAL
Model Name	YJCC017
Special Feature	Auto Mop Washing
Color	White
Filter Type	Cloth
Battery Life	2.5 Hours
Voltage	3.6 Volts (DC)
Power Source	Battery Powered
Control Method	App
Form Factor	Round
UPC	604467937789
Product Dimensions	19.2 x 17.5 x 25.3 inches
Item Weight	43 pounds
Manufacturer	NARWAL
Batteries	1 Lithium Ion battery required

8. WARRANTY AND SUPPORT



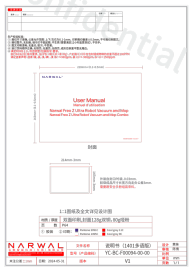



8.1 Warranty Information

For detailed warranty information, please refer to the warranty card included with your product or visit the official NARWAL website. Keep your proof of purchase for warranty claims.

8.2 Customer Support

If you have any questions or require technical assistance, please contact NARWAL customer support. Contact details can typically be found on the official NARWAL website or within the NARWAL app.

Related Documents - Freo Z Ultra

	Narwal Freo Z Ultra Robot Vacuum and Mop User Manual Comprehensive user manual for the Narwal Freo Z Ultra Robot Vacuum and Mop, covering setup, operation, cleaning modes, maintenance, and technical specifications. Learn how to get the most out of your device.
	Narwal Freo Z Ultra Robot Vacuum and Mop User Manual This user manual provides comprehensive instructions and details for the Narwal Freo Z Ultra Robot Vacuum and Mop, covering setup, operation, maintenance, and specifications.
	Narwal Freo Z Ultra Robot Vacuum and Mop User Manual Comprehensive user manual for the Narwal Freo Z Ultra Robot Vacuum and Mop Combo (Model YJCC017). Learn about product features, setup, operation, maintenance, and specifications.
	Narwal Freo Z Ultra Robot Vacuum and Mop User Manual - Model YJCC017 Comprehensive user manual for the Narwal Freo Z Ultra Robot Vacuum and Mop (Model YJCC017). Learn about setup, operation, cleaning modes, maintenance, and specifications for optimal performance.
	Narwal Freo Z Ultra Robot Vacuum and Mop User Manual User manual for the Narwal Freo Z Ultra Robot Vacuum and Mop, providing setup, usage, and maintenance instructions. Includes product overview, specifications, and troubleshooting.
	Narwal Freo X Ultra Robot Vacuum and Mop User Manual Comprehensive user manual for the Narwal Freo X Ultra Robot Vacuum and Mop, covering product overview, setup, operation, and specifications.