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AlfaBot GLS400

AlfaBot GLS400 Robot Window Cleaner User Manual

Model: GLS400

1. INTRODUCTION

Thank you for choosing the AlfaBot GLS400 Robot Window Cleaner. This intelligent device is designed to simplify window cleaning with its advanced features and efficient operation. Please read this manual thoroughly before using the robot to ensure safe and optimal performance.

Key Features:

- Intelligent AI planning with multiple trajectory modes (N, Z, N+Z).
- Automatic and manual dual-direction water spray system with 50ml capacity.
- Automatic detection of window frames and edges.
- Suitable for various surfaces including glass, walls, and tiles.
- Efficient cleaning speed of 1.1 min/sqm.
- Low noise level below 65dB.
- Automatic return to starting position after cleaning.
- Intelligent memory function for convenience.

2. PRODUCT OVERVIEW

Familiarize yourself with the components and design of your AlfaBot GLS400.



The AlfaBot GLS400 Robot Window Cleaner, a square-shaped device with integrated water spray nozzles and a central handle.

Système de Pulvérisation Double Intelligent

2 réservoirs d'eau de 50 ml au total pour un nettoyage jusqu'à 60 m².



Buses d'atomisation ultrasoniques doubles



2 grands réservoirs d'eau



Illustration of the robot's double intelligent spray system, highlighting the dual ultrasonic atomization nozzles and two 50ml water tanks for cleaning up to 60 square meters.

Planification Automatique de la Trajectoire

3 modes d'auto-nettoyage au choix, ou contrôlés par la télécommande.

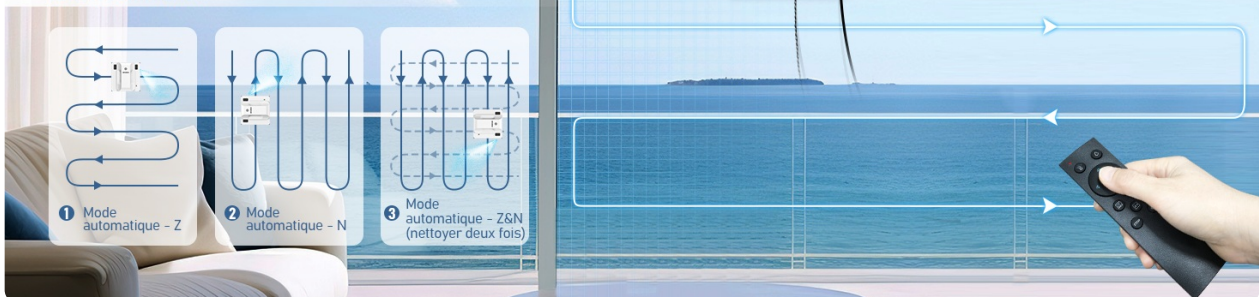


Diagram showing the three automatic cleaning modes: Z-mode, N-mode, and Z&N-mode, which can be selected via remote control for optimal cleaning paths.

Emballage



The complete package contents of the AlfaBot GLS400, including the robot, remote control, power adapter, safety rope, cleaning pads, and a small water bottle.

3. SETUP GUIDE

3.1 Unpacking and Checking Contents

Carefully remove all components from the packaging. Verify that all items listed in the 'Packaging Contents' section (refer to Product Overview) are present and undamaged.

3.2 Charging the Battery

Before first use, fully charge the robot's internal battery. Connect the power adapter to the robot and a power outlet. The charging indicator light will show the charging status. A full charge typically takes a few hours.

3.3 Attaching Cleaning Pads

Attach the clean microfiber cleaning pads to the bottom of the robot. Ensure they are securely fastened and

cover the entire cleaning surface.

3.4 Filling the Water Tank

Open the water tank cap and fill the tank with clean water or a recommended window cleaning solution. Do not overfill. Close the cap securely.

3.5 Connecting the Safety Rope

For safety, always attach the safety rope to a sturdy fixture indoors before placing the robot on the window. This prevents the robot from falling in case of power loss or suction failure.

3.6 Powering On

Connect the robot to a power outlet using the provided power cable. Press the power button on the robot to turn it on. The robot will perform a self-check.

4. OPERATING INSTRUCTIONS

4.1 Placing the Robot on the Window

Ensure the window surface is relatively clean of large debris. Place the robot on the window, ensuring it is flat against the glass. The robot will automatically activate its suction.

4.2 Starting Cleaning

You can start the cleaning process in two ways:

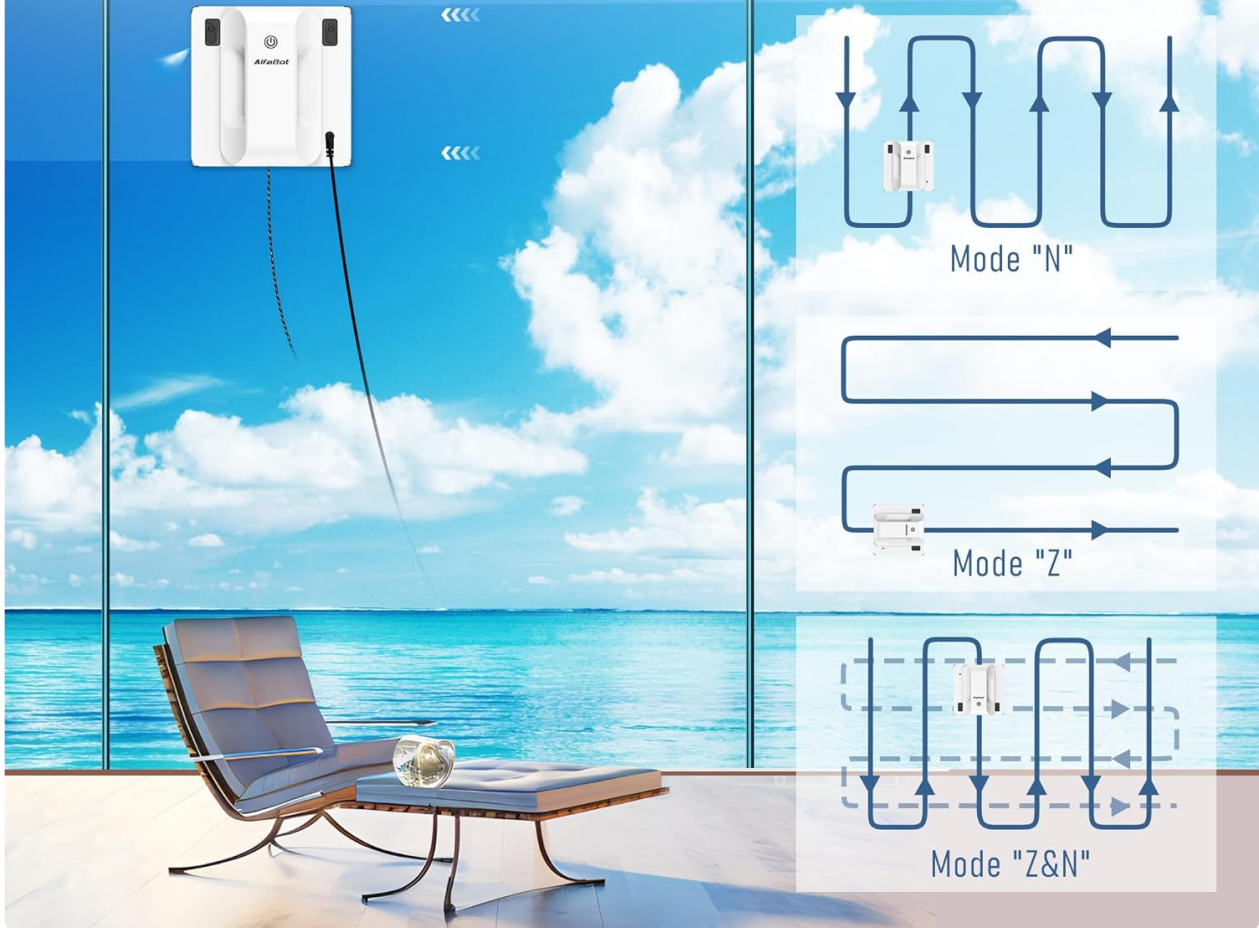
- **On-robot button:** Press the start button on the robot.
- **Remote control:** Use the remote control to select a cleaning mode (N, Z, or N+Z) and press start.

4.3 Understanding Cleaning Modes

- **N-mode:** The robot cleans in an N-shaped path, suitable for tall and narrow windows.
- **Z-mode:** The robot cleans in a Z-shaped path, suitable for wide and short windows.
- **N+Z mode:** The robot performs both N and Z patterns for comprehensive cleaning, ideal for large surfaces.

Planification Intelligente de la Route de Nettoyage

3 modes d'auto-nettoyage, planifie automatiquement la trajectoire de nettoyage et revient à la position d'origine après le nettoyage.



Visual representation of the N, Z, and N+Z cleaning paths the AlfaBot GLS400 can follow for optimal coverage.

4.4 Automatic Return

Upon completion of the cleaning cycle, the robot will automatically return to its starting position, making it convenient to retrieve.

4.5 Using the Remote Control

The remote control allows you to:

- Start/Stop cleaning.
- Select cleaning modes (N, Z, N+Z).
- Manually control the robot's movement.
- Activate/deactivate water spray.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your AlfaBot GLS400.

5.1 Cleaning Microfiber Pads

After each use, remove the microfiber cleaning pads. They can be hand-washed or machine-washed with mild detergent. Allow them to air dry completely before reattaching or storing.

Tampons en Microfibre de Qualité Supérieure

Les tampons en microfibre sont extrêmement absorbants et ne laissent pas de traces d'eau lors du nettoyage.

La conception de l'essuyage supplémentaire ne laisse pas de bords ou de coins. **99%** Couverture de Nettoyage



Close-up view of the highly absorbent microfiber cleaning pads and how they attach to the robot, designed for streak-free cleaning and 99% coverage.

5.2 Refilling and Cleaning Water Tank

Empty any remaining water from the tank after use. Periodically clean the water tank to prevent residue buildup. Use clean water to rinse it out.

5.3 Cleaning Sensors and Wheels

Wipe the sensors and wheels on the underside of the robot with a clean, dry cloth to remove any dust or debris. This ensures proper navigation and adherence.

5.4 Storage

Store the robot in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the battery is partially charged before long-term storage.

6. TROUBLESHOOTING

If you encounter issues with your AlfaBot GLS400, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Robot not sticking to window	Dirty cleaning pads; Insufficient suction; Uneven surface; Power issue.	Clean or replace pads; Ensure power cable is securely connected; Check for cracks or unevenness on glass; Ensure safety rope is not pulling robot.
Robot not spraying water	Empty water tank; Clogged nozzles; Water tank cap not closed properly.	Refill water tank; Clean spray nozzles; Ensure water tank cap is tightly closed.
Robot not moving or stopping unexpectedly	Low battery; Obstruction; Sensor error; Power cable disconnected.	Charge battery; Remove any obstructions; Clean sensors; Reconnect power cable securely.
Error indicator light is on	Refer to specific error code in a more detailed manual (if available) or general malfunction.	Try restarting the robot. If the issue persists, contact customer support.

7. SPECIFICATIONS

Detailed technical specifications for the AlfaBot GLS400 Robot Window Cleaner:

Feature	Specification
Brand	AlfaBot
Model Number	GLS400
Color	White
Product Dimensions (L x W x H)	24.5L x 24.5W x 7.5H centimeters
Weight	1.36 Kilograms
Water Tank Capacity	50 Milliliters
Voltage	230 Volts
Noise Level	65 dB
Battery Autonomy	40 minutes
Cleaning Speed	1.1 min/sqm
Special Features	2-pass cleaning mode, Double automatic water spray, Square shape, Returns to initial position after cleaning
Included Components	Battery, Remote Control, Safety Rope
Power Source	Corded Electric

8. WARRANTY AND SUPPORT

Specific warranty details are not provided in the product information. For warranty claims, technical support, or further assistance, please contact AlfaBot customer service through their official website or the retailer where the product was purchased.

Always refer to the official AlfaBot support channels for the most accurate and up-to-date information regarding your product.