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AlfaBot X8

AlfaBot X8 Robot Window Cleaner User Manual

Model: X8

1. Introduction

The AlfaBot X8 Robot Window Cleaner is an intelligent device designed to simplify window cleaning. It features automatic path planning, dual-sided spraying, and a powerful suction system to ensure thorough cleaning of various vertical smooth surfaces. This manual provides essential information for safe and effective operation, maintenance, and troubleshooting.



Figure 1.1: AlfaBot X8 Robot Window Cleaner and accessories.

2. Safety Information

Please read all safety instructions carefully before using the AlfaBot X8. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Power Connection:** The device must be plugged into a power outlet to operate. The built-in battery provides approximately 30 minutes of backup power in case of an accidental power cut, allowing for safe retrieval.
- **Safety Rope:** Always attach the safety rope to a secure anchor point before operation, especially when cleaning high windows.
- **Surface Compatibility:** This robot is designed for smooth vertical surfaces such as windows, mirrors, and tiled walls. It is **not recommended** for curved, inclined, or rough surfaces.
- **Operating Environment:** Do not use the robot in extreme temperatures or in direct sunlight for prolonged periods. Keep away from water sources other than the designated water tank.

- **Supervision:** Do not leave the robot unattended during operation, especially in areas accessible to children or pets.
- **Cleaning Solution:** Use only water or recommended window cleaning solutions in the water tank. Do not use corrosive or flammable liquids.

3. Package Contents

Verify that all items are present in the package:

- AlfaBot X8 Robot Window Cleaner
- Remote Control
- Power Adapter and Cable
- Safety Rope
- Cleaning Pads (10 high-density fiber cloths)
- Water Tank (integrated 50ml)
- Instruction Manual



Figure 3.1: All components included in the AlfaBot X8 package.

4. Setup

Follow these steps to prepare your AlfaBot X8 for first use:

1. **Attach Cleaning Pads:** Securely attach two clean microfiber cleaning pads to the rotating wheels on the underside of the robot. Ensure they are flat and cover the entire surface of the wheels.
2. **Fill Water Tank:** Open the water tank cap (50ml capacity) and fill it with clean water or a suitable window cleaning solution. Close the cap tightly.
3. **Connect Power:** Plug the power adapter into the robot and then into a wall outlet. Ensure the connection is secure.
4. **Attach Safety Rope:** Fasten the safety rope to the designated attachment point on the robot. Secure the other end of the safety rope to a sturdy object indoors, such as a heavy piece of furniture or a window frame.

5. Operating Instructions

The AlfaBot X8 offers various cleaning modes for optimal results.

5.1 Powering On/Off

- **Power On:** Press the power button on the robot or the remote control. The indicator lights will illuminate.
- **Power Off:** Press and hold the power button until the lights turn off.

5.2 Cleaning Modes

The robot features 3 automatic cleaning modes and manual control:

- **Automatic Modes:** Select from predefined cleaning paths (e.g., Z-shape, N-shape) using the remote control. The robot will automatically detect edges and plan its route.
- **Manual Control:** Use the directional buttons on the remote control to guide the robot manually for spot cleaning or specific areas.

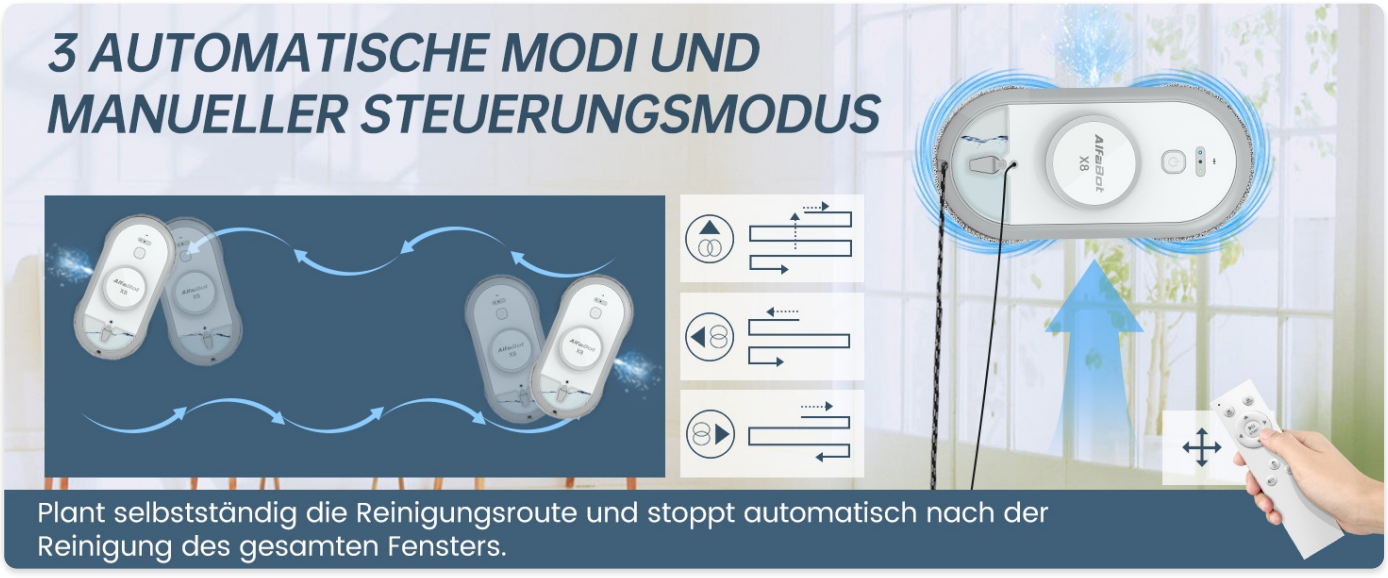


Figure 5.1: Automatic and manual cleaning path options.

5.3 Dual Spraying System

The AlfaBot X8 is equipped with an automatic dual-sided spraying system. The 50ml water tank allows for cleaning up to 25 m2 without refilling. The robot sprays water or cleaning solution as it moves, ensuring effective cleaning.



Figure 5.2: Dual spraying system and water tank capacity.

5.4 Intelligent Detection and Suction

The robot features intelligent detection for window frames and can also clean frameless glass. Its self-adjustable suction power (up to 3960PA) ensures strong adherence to the surface while maintaining a low noise level of 60dB.



Figure 5.3: Intelligent frame detection and frameless glass cleaning.



Figure 5.4: Suction power and low noise operation.

5.5 Voice Assistant

The AlfaBot X8 includes a voice assistant that provides prompts and status updates. You can turn the voice on or off and select from multiple languages.



Figure 5.5: Voice assistant feature.

6. Maintenance and Care

Regular maintenance ensures the longevity and optimal performance of your AlfaBot X8.

- **Cleaning Pads:** The microfiber cleaning pads are washable and reusable. After each use, remove them from the robot and wash them by hand or machine. Allow them to air dry completely before reattaching.
- **Water Tank:** Periodically empty and rinse the water tank to prevent residue buildup. Use a soft cloth to wipe the interior.
- **Robot Body:** Wipe the exterior of the robot with a soft, dry cloth. Do not use abrasive cleaners or immerse the robot in water.
- **Storage:** Store the robot in a cool, dry place away from direct sunlight when not in use.



Figure 6.1: Microfiber cleaning pads are washable and reusable.

7. Troubleshooting

If you encounter issues with your AlfaBot X8, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Robot does not power on.	No power connection; Battery depleted.	Ensure power adapter is securely plugged into robot and wall outlet. Allow battery to charge for a few minutes.
Robot does not stick to surface.	Surface is too dirty/wet; Suction cups are dirty; Surface is not smooth.	Clean the surface before use. Wipe suction cups clean. Ensure surface is smooth and non-porous.
Robot stops and beeps.	Power cut; Edge detected; Obstruction.	Check power connection. Robot may have reached an edge or encountered an obstacle. Manually reposition if necessary.
Poor cleaning performance.	Dirty cleaning pads; Insufficient water/solution; Heavily soiled surface.	Replace or clean pads. Refill water tank. For heavily soiled windows, perform a dry cleaning pass first.

8. Technical Specifications

Feature	Specification
Brand	AlfaBot
Model Number	X8
Color	White
Dimensions (L x W x H)	29.5 x 15 x 8.5 cm (11.6 x 5.9 x 3.3 inches)
Item Weight	1.36 Kilograms (3 lbs)

Feature	Specification
Water Tank Capacity	50 Milliliters
Voltage	230 Volts
Noise Level	60 dB
Battery Type	Lithium-ion (included)
Special Features	Anti-collision, Automatic dual-sided water spraying, Electric window cleaner 50 ml
Surface Recommendation	Glass, indoor and outdoor windows, high windows, doors, walls, mirrors
Controller Type	Remote Control, Button Control

9. Warranty and Support

For warranty information and customer support, please refer to the official AlfaBot website or contact your retailer. Information regarding spare parts availability is not provided in this manual.

For further assistance, please visit the manufacturer's website or contact their customer service department.

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