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- › [Frewico](#) /
- › [Frewico Window Cleaning Robot 2BGN8-D90 User Manual](#)

Frewico 2BGN8-D90

Frewico Window Cleaning Robot Model 2BGN8-D90 User Manual

Your guide to efficient and safe window cleaning.

1. INTRODUCTION

The Frewico Window Cleaning Robot Model 2BGN8-D90 is designed to provide an efficient and safe solution for cleaning various glass surfaces, including windows, mirrors, and shower doors. Featuring advanced AI path planning, powerful suction, and a 4-nozzle ultrasonic water spray system, this robot simplifies the task of maintaining clear views.



Image: The Frewico Window Cleaning Robot, shown with its remote control and a smartphone displaying its app interface, demonstrating

its control options.

2. PRODUCT FEATURES

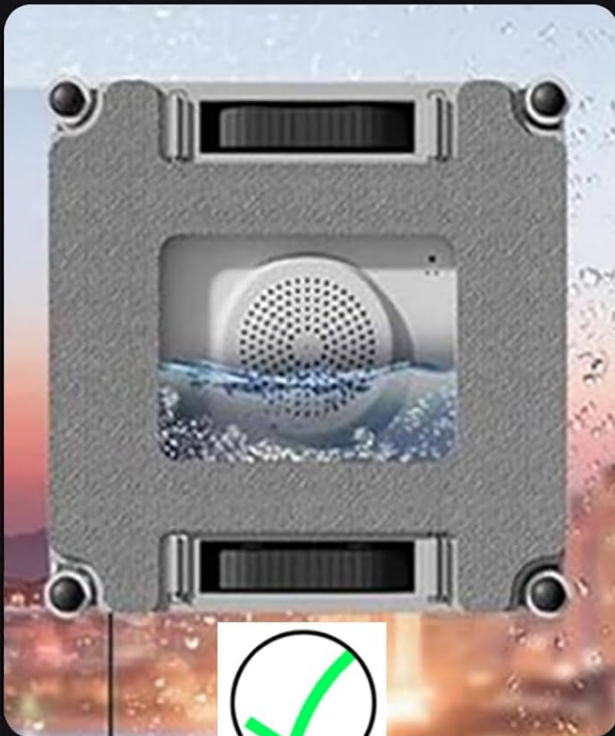
- **Ultra-Slim & Compact Design:** Cleans narrow frames (<30cm), tilted/frameless glass, and windows with handles (50-80mm clearance). Its thin profile allows access to tight spaces.
- **Advanced Ultrasonic Water Spray System:** Atomizes water into a fine mist for streak-free cleaning, effectively removing grime, oil, and dust with minimal water usage.
- **9-Stage Safety Protection:** Incorporates 6-layer hardware fall prevention, 2-stage AI safeguards, and accidental damage coverage for secure operation on high-rise windows. Features secure suction, drop sensors, and emergency brakes.
- **Smart Path Planning (WIN-SLAM 3.0 Tech):** Scans window size and frames, creates optimal cleaning routes, and avoids obstacles (4-50mm height). Offers three cleaning modes: Fast Clean, Deep Clean, or Spot Clean.
- **Effortless & Cordless Operation:** Control via app or WiFi (if applicable). Ideal for high windows, skylights, and glass doors.



Image: The Frewico Window Cleaning Robot operating on a large window, illustrating its AI path planning and improved cleaning efficiency.

ADVANTAGE:

Wet wipe,
Dry tracks,
Secure grip.



DISADVANTAGE:

Wet wipe,
Wet tracks,
Grip lost.



Image: A visual comparison demonstrating the advantages of the square-shaped Frewico robot over round designs, particularly its ability to clean corners effectively.



Image: A detailed view of the robot's advanced 4-nozzle ultrasonic water spray system, designed for efficient and streak-free cleaning.



Image: The Frewico Window Cleaning Robot demonstrating its capability to remove various types of dirt and stains, including bird droppings, dust, rain stains, ink, and fingerprints.

3. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- Frewico Window Cleaning Robot (Main Unit)
- Remote Control
- Power Adapter
- Power Cable
- Safety Rope with Carabiner
- Cleaning Pads (multiple pairs)
- Water Filling Bottle
- User Manual

SQUARE WINDOW CLEANING ROBOT

- Fast wiping speed
- No stains left after cleaning
- Can clean the corners of windows



ROUND WINDOW CLEANING ROBOT

- Slow wiping speed
- Remaining circle of stains after wiping
- Cannot wipe the corners of windows clean



Image: A complete view of the Frewico Window Cleaning Robot and all its accessories, including the robot, remote control, power supply, safety rope, multiple cleaning pads, and a water bottle.

4. SETUP

1. **Attach Cleaning Pads:** Securely attach the washable cleaning pads to the bottom of the robot. Ensure they are clean and slightly damp for optimal performance.
2. **Connect Power:** Plug the power adapter into the robot and then into a 100-240V AC power outlet. The robot requires continuous power during operation.
3. **Attach Safety Rope:** For safety, especially when cleaning high windows, always attach the safety rope to a secure anchor point indoors.



Image: A close-up of the safety rope and carabiner, highlighting the importance of securing the robot during operation.

4. **Fill Water Tank:** Open the water tank cap and fill it with clean water using the provided bottle. The robot features a 4-nozzle spray system for efficient cleaning.

5. OPERATION

1. **Power On:** Press the power button on the robot or remote control to turn it on. The robot will initiate its suction mechanism.
2. **Place on Window:** Carefully place the robot onto the glass surface. Ensure it has a strong suction grip before releasing it.
3. **Select Cleaning Mode:** Use the remote control or the smartphone app to select your desired cleaning mode (Fast Clean, Deep Clean, or Spot Clean). The robot's WIN-SLAM 3.0 technology will plan an optimal path.
4. **Monitor Progress:** The robot will automatically clean the window. It is designed to handle various window types, including narrow and vertical windows.

Your browser does not support the video tag.

Video: The Frewico Window Cleaning Robot efficiently cleaning a ceiling window, demonstrating its ability to adhere and navigate on various glass surfaces.

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Video: The Frewico Window Cleaning Robot cleaning a bathroom shower door, showcasing its versatility on different glass surfaces.

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Video: The Frewico Window Cleaning Robot navigating and cleaning a narrow, vertical window, highlighting its adaptability to challenging window shapes.

5. **Completion:** Once cleaning is complete, the robot will return to its starting position and emit an alert. Carefully remove it from the window.



Image: The Frewico Window Cleaning Robot meticulously cleaning a large window, illustrating its programmed path for thorough coverage.

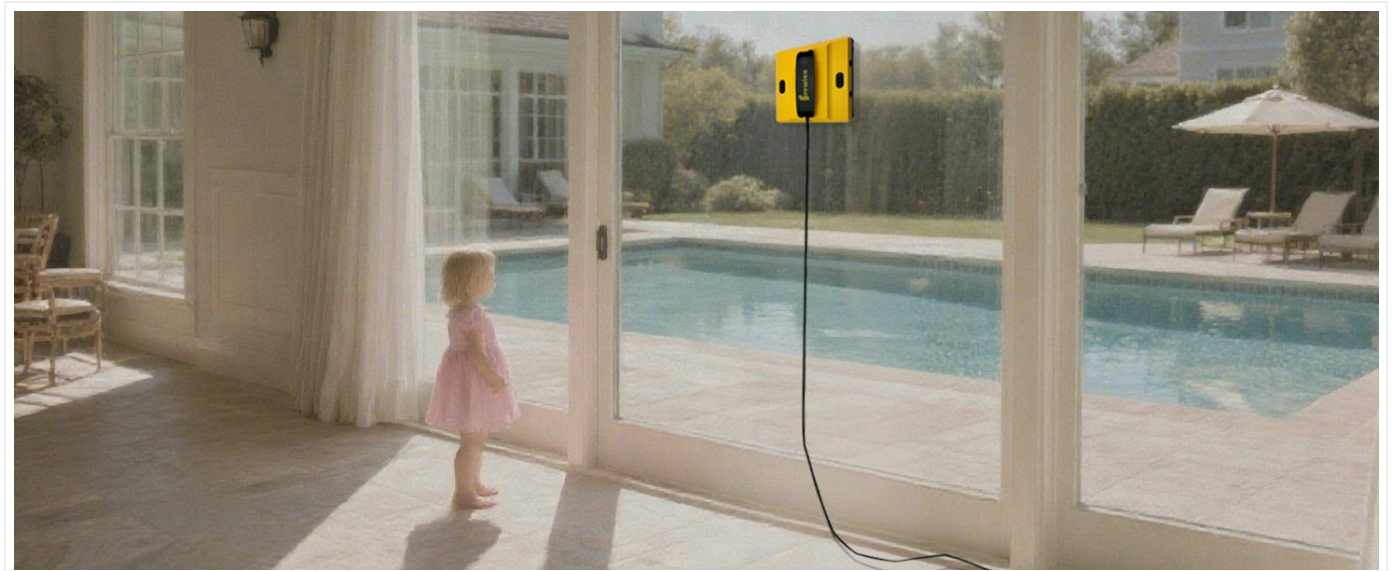


Image: The Frewico Window Cleaning Robot demonstrating its electronic fence recognition feature, allowing it to clean effectively around window frames.

6. MAINTENANCE

- **Clean Cleaning Pads:** After each use, remove and wash the cleaning pads. They are reusable and washable. Ensure they are dry before reattaching.
- **Empty Water Tank:** After use, empty any remaining water from the tank.
- **Wipe Down Robot:** Gently wipe the robot's exterior with a soft, dry cloth to remove any dust or residue.

- **Storage:** Store the robot and its accessories in a cool, dry place away from direct sunlight.

7. TROUBLESHOOTING

If you encounter issues with your Frewico Window Cleaning Robot, please refer to the following common solutions:

- **Robot not adhering:** Ensure the glass surface is clean and dry. Check that the suction cups are free from debris. Verify the power connection is secure.
- **Streaks on window:** Replace or clean the microfiber pads. Ensure the water tank is filled with clean water. For heavily soiled windows, a pre-cleaning pass or a second cleaning cycle may be necessary.
- **Robot stops unexpectedly:** Check the power connection. The robot has a backup battery for emergencies (approx. 30 minutes), but it requires continuous power for normal operation.




Image: An illustration depicting the robot's internal battery, which provides approximately 30 minutes of backup power in case of a power outage.

- **Remote control not working:** Check the remote control batteries. Ensure there are no obstructions between the remote and the robot.

8. SPECIFICATIONS

Brand	Frewico
Model Name	Window Cleaning Robot
Model Number	2BGN8-D90
Special Feature	Robotic
Color	Yellow

Product Dimensions	8.66"L x 8.66"W x 2.76"H (22cm L x 22cm W x 7cm H)
	<div></div> <p>Image: A detailed diagram illustrating the physical dimensions of the Frewico Window Cleaning Robot.</p>
Included Components	Cable Tie, Charging Adapter
Filter Type	Washable
Battery Life	0.5 Hours (30 minutes emergency backup)
Cleaning Path Width	8.66 Inches
Voltage	110 Volts (100-240V compatible)
Water Capacity	100 Milliliters
Power Source	Corded Electric (with included 12V battery backup)
Control Method	App, Remote
Compatible Devices	Smartphones
Form Factor	Rectangular
Item Weight	2.68 pounds
Manufacturer	Vipada

Surface Recommendation	Glass, Mirror
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9. SAFETY INFORMATION

- The Frewico Window Cleaning Robot is equipped with a 9-stage safety protection system to ensure secure operation:
- **6-Layer Hardware Fall Prevention:** Multiple physical safeguards to prevent accidental falls.
 - **2-Stage AI Safeguards:** Intelligent algorithms to detect and prevent hazardous situations.
 - **Accidental Damage Coverage:** Provides an additional layer of protection.
 - **Secure Suction:** Powerful vacuum suction maintains a firm grip on the glass.
 - **Drop Sensors:** Detects edges and potential drops, adjusting its path accordingly.
 - **Emergency Brakes:** Activates immediately if a potential fall is detected.
 - **Safety Rope:** Always use the provided safety rope, securely fastened to an indoor anchor point, especially for high-rise windows.

SAFE EFFICIENT HIGH-RISE CLEANING EXPERT



DANGER AVOID LADDER RISKS



Image: A visual comparison highlighting the safety of using the Frewico robot for high-rise window cleaning against the risks associated with manual cleaning using a ladder.


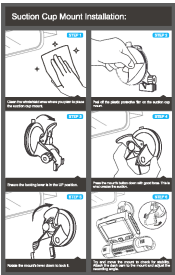


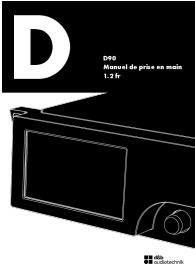
10. WARRANTY AND SUPPORT


For warranty information, technical support, or to inquire about protection plans, please refer to the documentation included with your product or visit the official Frewico website. Protection plans are available for purchase separately to extend coverage for your device.

- 2-Year Protection Plan
- 3-Year Protection Plan
- Complete Protect: Monthly plan covering eligible purchases



Related Documents - 2BGN8-D90

	<p>D90 Digital Camera User Manual: Features, Operation, and Troubleshooting</p> <p>Comprehensive user manual for the D90 Digital Camera by Shenzhen Delanda Technology. Learn about button functions, shooting modes, video recording, connectivity, technical specifications, and troubleshooting.</p>
	<p>Dash Cam Mount Installation Guide: Suction Cup and 3M Adhesive</p> <p>This guide provides step-by-step instructions for installing dash cam mounts using both suction cup and 3M adhesive methods. Learn how to properly clean surfaces, apply mounts, and ensure stability for your dash camera.</p>
	<p>Nikon D90 Instrukcja Obsługi - Kompletny Przewodnik Użytkownika</p> <p>Szczegółowy podręcznik użytkownika aparatu Nikon D90. Obejmuje obsługę, tryby fotografowania, ustawienia, rozwiązywanie problemów i wskazówki dla entuzjastów fotografii.</p>
	<p>PRUVEEO D90 Mini Dash Cam User Manual and Installation Guide</p> <p>Comprehensive user manual and installation guide for the PRUVEEO D90 Mini dash cam, covering setup, operation, safety, and troubleshooting. Learn how to install and use your dash cam effectively.</p>
	<p>d&b D90 Amplifier: Quick Start Manual</p> <p>This manual provides a quick start guide for the d&b D90 amplifier, covering essential setup, connections, and basic operation for mobile and live sound applications.</p>

 <p>REINIGUNG VON DUSCHABLÄUFEN GEBERIT</p> <p>PFLEGEANLEITUNG</p> <p>KNOW HOW</p>	<p>Geberit Shower Drain Cleaning and Care Guide</p> <p>Comprehensive guide on cleaning and maintaining various Geberit shower drain systems, detailing different cleaning methods and their suitability for specific models. Includes instructions for DIYers and professionals.</p>
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