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HUTT DDC56 Window Cleaning Robot User Manual

MODEL: DDC56

1. INTRODUCTION

Thank you for choosing the HUTT DDC56 Window Cleaning Robot. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your device. Please read this manual thoroughly before first use and keep it for future reference.

2. PRODUCT OVERVIEW

The HUTT DDC56 is an intelligent window cleaning robot designed to provide efficient and streak-free cleaning for various glass surfaces.

2.1. Components

- HUTT DDC56 Window Cleaning Robot
- Remote Control
- Power Adapter
- Safety Rope
- Cleaning Cloths (6 MOPs included)
- Water Bottle
- Instruction Guide



Figure 2.1: HUTT DDC56 Window Cleaning Robot and its remote control.

3. SAFETY INFORMATION

Always prioritize safety when operating the robot, especially when cleaning high or hard-to-reach windows.

- **Always attach the safety rope** to a secure anchor point before placing the robot on the window. The robot is equipped with a 5-meter reinforced nylon safety rope.
- Ensure the power cable is securely connected and not tangled.
- The robot has a built-in **safety back-up battery** (20-25 minutes life) that activates in case of power disconnection, allowing time to retrieve the device. It will emit sounds to alert you.
- Do not use the robot on cracked or damaged glass surfaces.
- Keep hands and loose clothing away from moving parts during operation.
- This appliance is not intended for use by persons with reduced physical, sensory or mental capabilities,

or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.



Figure 3.1: Multi-Safety System including safety rope and backup battery.

4. SETUP

Follow these steps to prepare your HUTT DDC56 for cleaning:

- 1. Put on a cloth:** Attach a clean microfiber cleaning cloth to each of the robot's rotating pads.
- 2. Spray water:** Lightly spray water (or a suitable glass cleaning solution) onto the cleaning cloths, approximately 10 times per cloth.
- 3. Add water to the water tank:** Open the water tank cap and fill the 60ml smart water tank with clean water.
- 4. Connect the safety rope:** Securely attach the safety rope to the robot and then to a sturdy anchor point indoors.
- 5. Connect the power supply:** Plug the power adapter into the robot and then into a power outlet.
- 6. Power on:** Press and hold the power button on the robot for 3 seconds until it powers on and begins suction.



Figure 4.1: Step-by-step setup guide for the HUTT DDC56.

5. OPERATING INSTRUCTIONS

The HUTT DDC56 is designed for user-friendly operation with advanced cleaning technologies.

5.1. One-Click Easy Control

Once powered on and attached to the window, simply press the start button on the robot or the remote control to begin cleaning. The robot will automatically plan its cleaning path and return to its starting point when finished.

Effortlessly Cleans Frameless Windows & Mirrors

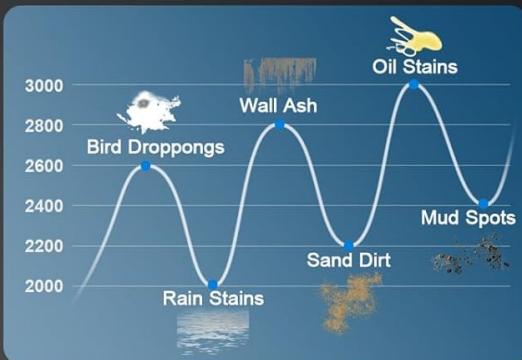


Figure 5.1: One-Click Easy Control for smart navigation.

5.2. Smart Adaptive Suction

The DDC56 features smart adaptive suction, automatically adjusting its suction power (2000-3000Pa) based on the surface and the level of dirt detected. This ensures optimal cleaning for various types of stains, from rain to oil.

Smart Adaptive Suction for Deeper Cleaning



2000~3000PA

Auto-adjusts Power based on Surface and Dirt Level.

35N High-Pressure

Strong Suction Boosts Pressure for Better Stain Removal

Moisture-Proof Design

Optimized Airflow Prevents Moisture Damage

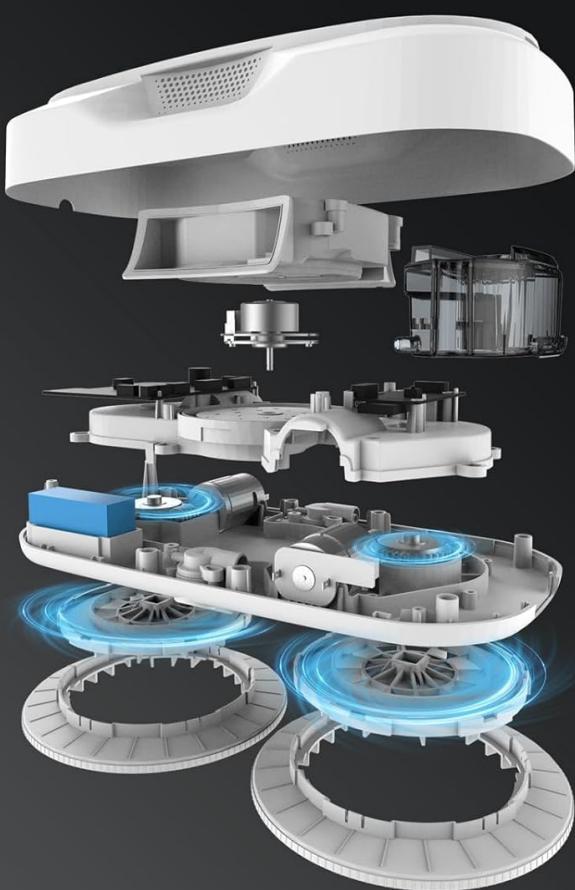


Figure 5.2: Smart Adaptive Suction for deeper cleaning.

5.3. Dual Rotating Scrub Technology

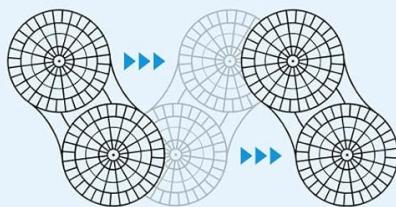
Equipped with dynamic swing and dual rotating pads, the robot provides deep and consistent cleaning, ensuring strong cleanliness and efficient dust absorption.

Dual Rotating Scrub Technology

Dynamic Swing & Dual Rotating Pads for Deep & Consistent Cleaning

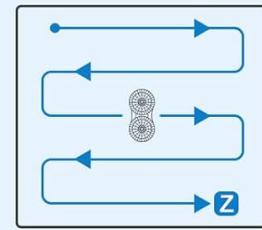


20% Faster Cleaning Efficiency



Twist & Wipe
Dust will be Absorbed
Strong Cleanliness

DDC56 Smart Navigation



One-click Start
Intelligent Path Planning
Powered By HUTT AI

Figure 5.3: Dual Rotating Scrub Technology and DDC56 Smart Navigation.

5.4. Dual Ultrasonic Misting Spray System

The robot features a 60ml smart water tank and dual ultrasonic nozzles that spray a fine mist for precision hydration, enabling bidirectional cleaning and a streak-free shine.

HUTT Dual Ultrasonic Misting Spray System

60ML Smart Water Tank for Precision Hydration,
Bidirectional Cleaning & Streak-Free Shine

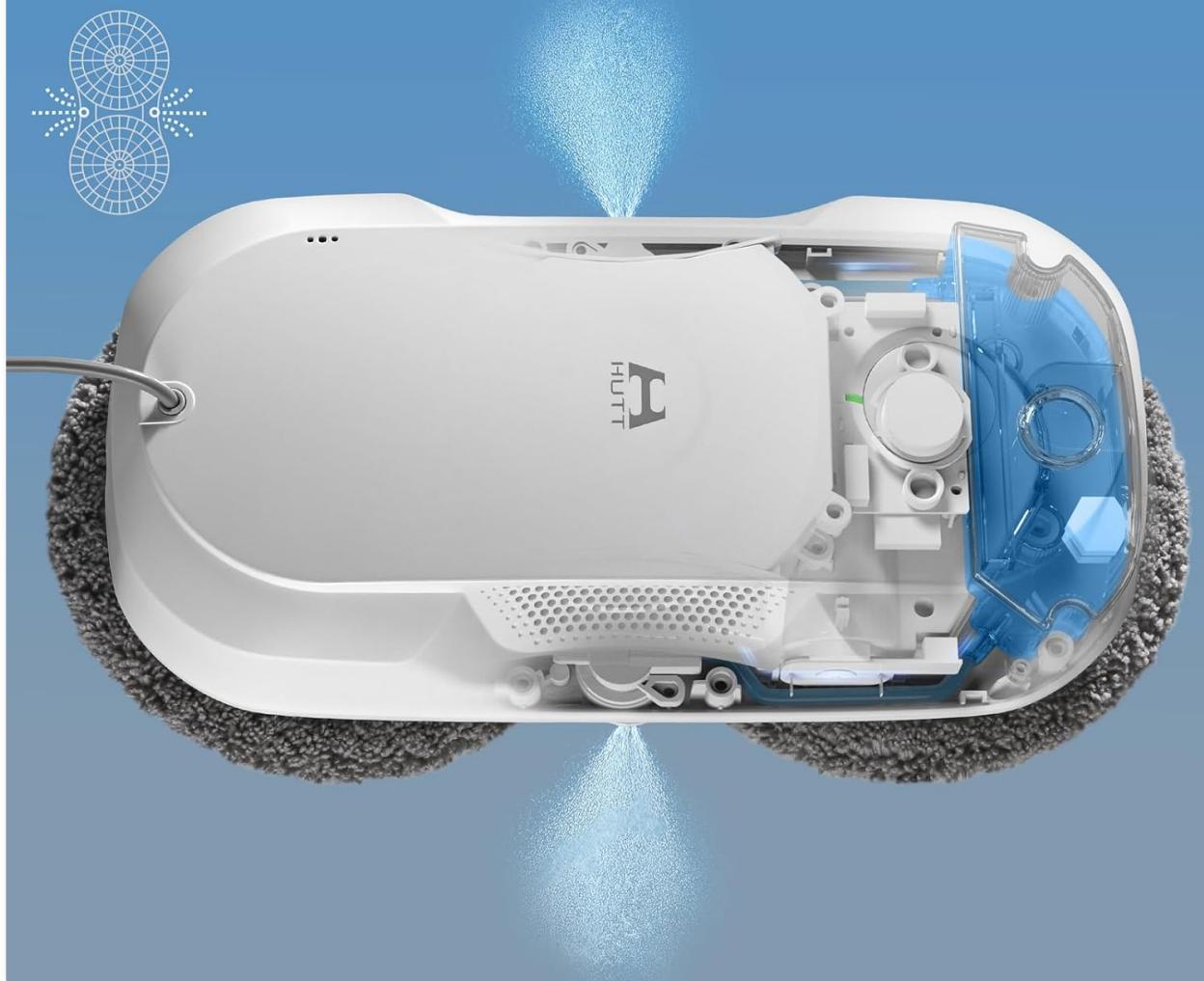


Figure 5.4: HUTT Dual Ultrasonic Misting Spray System.

5.5. Frameless Window & Mirror Cleaning

The DDC56 is capable of effortlessly cleaning frameless windows and mirrors thanks to its automatic edge detection technology.

One-Click Easy Control

Smart navigation for complete window cleaning,
Automatic return to the starting point when finished



Figure 5.5: Automatic Edge Detection for Frameless Glass.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your robot.

- **Cleaning Cloths:** After each use, remove the cleaning cloths and wash them. They are reusable and can be machine washed. Ensure they are completely dry before reattaching.
- **Water Tank:** Empty any remaining water from the tank after use. Clean the tank periodically to prevent mineral buildup.
- **Sensors:** Gently wipe the robot's sensors with a soft, dry cloth to ensure accurate edge detection and navigation.
- **Storage:** Store the robot in a cool, dry place away from direct sunlight when not in use.

7. TROUBLESHOOTING

If you encounter issues with your HUTT DDC56, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Robot does not power on.	No power connection or low battery.	Ensure power adapter is securely plugged in. Check if the power outlet is working. Allow the internal battery to charge if it's depleted.
Robot falls off the window.	Safety rope not attached, insufficient suction, or power loss.	Always attach the safety rope. Ensure the cleaning surface is clean and dry. Check power connection. The backup battery should prevent immediate fall upon power loss.
Leaves streaks or dirty marks.	Dirty cleaning cloths, insufficient water, or heavily soiled window.	Replace or wash cleaning cloths. Ensure water tank is filled and spray nozzles are clear. For heavily soiled windows, pre-clean or run multiple cycles with fresh cloths.
Robot does not move or gets stuck.	Obstruction, dirty sensors, or uneven surface.	Remove any obstructions. Clean the robot's sensors. Ensure the surface is flat and suitable for the robot.
Remote control not working.	Dead batteries or out of range.	Replace batteries in the remote control. Ensure you are within operating range of the robot.

8. SPECIFICATIONS

Feature	Detail
Brand	HUTT
Model Name	DDC56
Special Feature	Precision Laser Mapping & Navigation
Color	White
Product Dimensions	33"L x 15"W x 7"H
Included Components	Instruction Guide
Filter Type	Cloth
Battery Life (Backup)	20 minutes
Water Tank Capacity	60 Milliliters
Batteries Included	Yes (1 12V battery)
UPC	190186021170
Item Weight	4.4 pounds
Manufacturer	HUTT
ASIN	B0DSBDDDPJ
Date First Available	March 24, 2025

9. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product packaging or visit the official HUTT website. For technical support or service inquiries, please contact HUTT customer service through the contact information provided on the product packaging or their official website.