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› HUTT DDC55pro Automatic Window Cleaning Robot User Manual

HUTT DDC55PRO

HUTT DDC55pro Automatic Window Cleaning Robot

User Manual

1. INTRODUCTION

Thank you for purchasing the HUTT DDC55pro Automatic Window Cleaning Robot. This device is designed to simplify window cleaning and other vertical surface maintenance with advanced features such as powerful suction, intelligent navigation, and multi-surface compatibility. Please read this manual thoroughly before use to ensure safe and optimal operation.

2. SAFETY PRECAUTIONS

To prevent injury or damage to the device, always adhere to the following safety guidelines:

- Ensure the glass surface is dry and free from condensation or ice before operation. Do not use in rainy conditions.
- For fall prevention, ensure the safety rope is securely fastened, especially when operating at heights.
- Do not use the robot on glass surfaces smaller than 30cm, cracked glass, or glass with stickers or other foreign objects.
- Keep the cleaning area clear of obstacles, children, and pets during operation.
- If the robot exhibits unstable movement or makes unusual noises, immediately stop operation and replace the cleaning mop with a dry one before attempting to restart.
- In case of power outage, the built-in backup battery will maintain suction for approximately 30 minutes. An alarm will sound; promptly retrieve the robot.

圧倒的な技術力と開発実績

83 件
取得特許

13 件
ソフトウェア
著作権

8 件
技術系企業
認定資格

NO.1 業界初* AIスマート可変
吸引力窓拭きロボット

NO.1 業界初* アダプティブ
3Dフローティング・
シャーシ技術

NO.1 業界初* ポータブル
・ペーステーション

The robot features a robust fall prevention design, including a safety rope and a 3D suspension system for stable adhesion.

DDC55 PRO の使い方はわずか5ステップ！



クリーンクロスを取り付ける



タンクに水を入れる



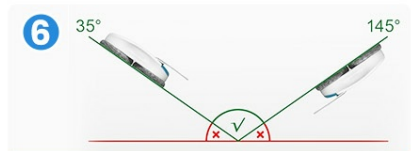
安全ロープを固定する



電源ケーブルを接続する



電源を入れる



35° ~145° の傾斜角に対応

⚠️【注意事項】

① 2階以上の高所で使用される際は、必ず落下防止用ロープを固定して使用してください。

② 清掃範囲内に貴重品を置かないでください。また、清掃中は人やペットが近づかないよう十分ご注意ください。

Safety features include a 148kg load-bearing safety rope, 30-minute backup battery for power outages, and an abnormal detection alarm.

3. PACKAGE CONTENTS

Please check the box for the following items:

- HUTT DDC55pro Window Cleaning Robot
- Remote Control
- Power Adapter and Cable (approx. 4.5m total length)
- Safety Rope
- Cleaning Mops (multiple pairs)
- Water Bottle
- User Manual



The image displays the various components included in the HUTT DDC55pro package, such as the robot, remote control, power adapter, safety rope, and cleaning pads.

4. PRODUCT OVERVIEW

The HUTT DDC55pro is an advanced window cleaning robot featuring:

- **Powerful Suction:** Up to 6500Pa, controlled by smart AI to adapt to different surfaces and dirt levels.
- **3D Suspension System:** Ensures stable adhesion even on uneven surfaces, preventing falls.
- **Dual Mop Rotation:** Two circular mops rotate at 70 RPM, mimicking manual scrubbing for effective dirt removal.
- **M-Type Wide-Angle Pulse Spray:** Uniformly sprays a fine mist over a wide area to loosen stubborn dirt without leaving water streaks.
- **Large Water Tank:** An 80ml visible water tank allows for extended cleaning sessions without frequent refills.
- **Multi-Surface Compatibility:** Suitable for glass, wallpaper, bathroom tiles, mirrors, and wooden doors.
- **AI Pathfinding:** Intelligent route planning for comprehensive cleaning coverage.

汚れに合わせて最適な吸引力



最大6500Pa

スマート吸引力コントロール



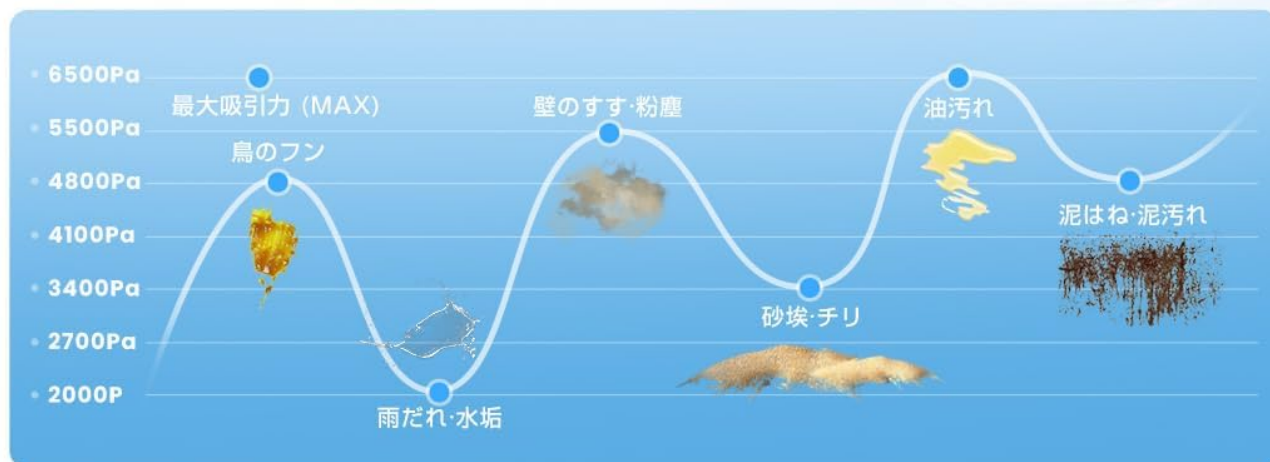
日本製高速モーター (26,000回転/分)

最大55Nの加圧と、
従来比最大60%のパワーアップを実現



革新的な3D エアフロー設計

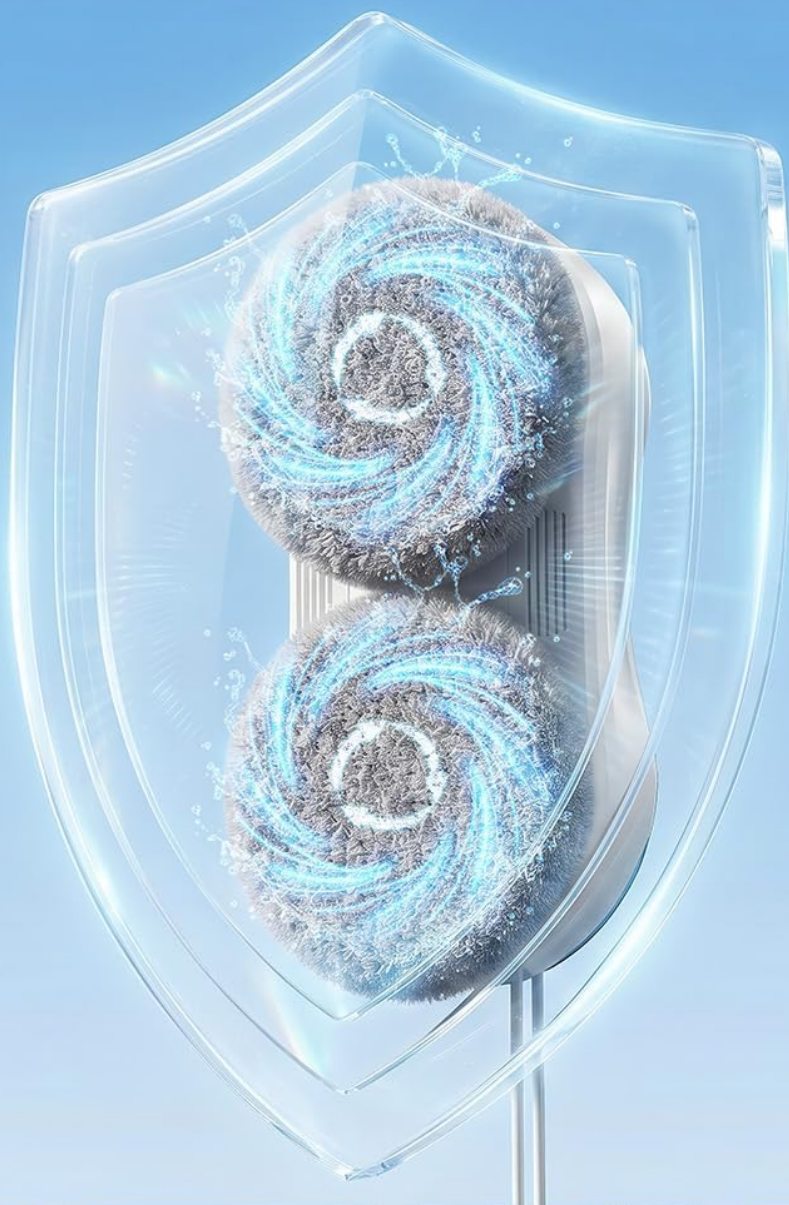
3D+ デュアルモーター
& 圧力センサー搭載



This image highlights the maximum 6500Pa suction power, the Japanese-made high-speed motor (26,000 RPM), and the innovative 3D airflow design with dual motors and pressure sensors.

面倒な窓掃除から、あなたを解放します

さまざまなタイプの窓や滑らかな表面に幅広く対応



掃き出し窓



小窓



フレームレス窓



傾斜窓/天窗

The 3D Dual Drive System ensures stable suction and thorough edge cleaning with spring-loaded pads and an internal chassis. It features a swing rotation cleaning system for powerful cleaning and patented 3D bearings for stable suction.

5. SETUP

Follow these steps to prepare your HUTT DDC55pro for cleaning:

1. **Attach Cleaning Cloths:** Securely attach the clean microfiber cloths to the two rotating pads on the bottom of the robot.
2. **Fill Water Tank:** Open the water tank cap and fill the 80ml tank with clean water or a suitable window cleaning solution using the provided water bottle. Close the cap tightly.
3. **Secure Safety Rope:** Attach one end of the safety rope to the robot and the other end to a sturdy anchor point indoors. Ensure the rope is not tangled and has enough slack for the robot to move freely within its cleaning area.
4. **Connect Power Cable:** Connect the power adapter to the robot and then plug it into a power outlet. Ensure the connection is secure.
5. **Place Robot and Power On:** Place the robot on the surface to be cleaned. Press the power button on the robot or the remote control to turn it on. The robot will adhere to the surface.

AIスマートセンサー搭載 障害物を賢く回避し、止まらない

窓の取っ手やヒンジを正確に認識。引っかかることなく的確に回避・脱出し、スムーズな清掃を続けます。



This image visually guides users through the 5-step setup: attaching cloths, filling the water tank, securing the safety rope, connecting power, and powering on. It also indicates compatibility with angles between 35 and 145 degrees.

6. OPERATING INSTRUCTIONS

The HUTT DDC55pro offers various cleaning modes for different needs:

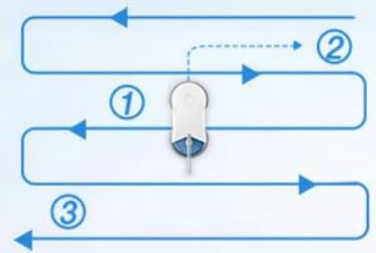
- **Z-shaped Mode (Automatic Cleaning):** The robot cleans in a Z-shaped pattern, ideal for general cleaning.
- **Double Cleaning Mode:** Performs two passes for a more thorough clean, especially for stubborn dirt.
- **Spot Cleaning Mode:** Focuses on a specific dirty area for intensive cleaning.
- **Resume Cleaning Mode:** If interrupted, the robot can resume cleaning from its last known position.

Use the remote control to select modes, start/pause, and manually control the robot's movement (up, down, left, right). The robot features AI smart sensors to detect obstacles and edges, ensuring continuous and safe cleaning.

ワンタッチで簡単操作

NHUTT SLAM 4.0 自動清掃ナビゲーション

オートナビゲーション



高精度エッジ検知



The image demonstrates the simple one-touch operation and automatic navigation (NHUTT SLAM 4.0) of the robot, controlled via a remote. It also shows high-precision edge detection.

独立デュアルモーター駆動登坂力 約30%アップ※

独立したデュアルモーター制御により、登坂力が大幅に向上。
結露や汚れの多い滑りやすい環境でも、スリップや落下の心配がなく、
安定して力強く走行します。



真空モーターの強力吸引で
窓にしっかりと吸着



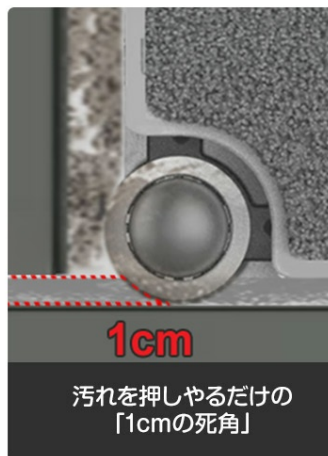
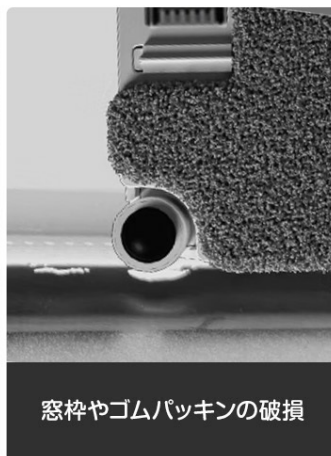
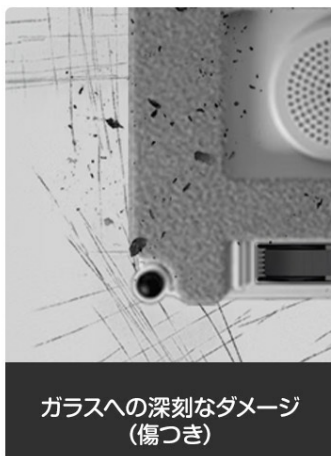
This image illustrates the smart route planning capabilities, offering four cleaning modes: Z-shaped, Double Cleaning, Spot Cleaning, and Resume Cleaning, all controllable via the remote.

7. MAINTENANCE

Regular maintenance ensures the longevity and performance of your robot:

- **Cleaning Mops:** After each use, remove the microfiber cloths and wash them. They are reusable. Ensure they are completely dry before reattaching.
- **Water Tank:** Empty any remaining water from the tank after use. Clean the tank periodically to prevent residue buildup.
- **Spray Nozzle:** If water is not spraying, the nozzle may be clogged. Use the included cleaning needle to clear any blockages.
- **Robot Body:** Wipe the robot's body with a soft, dry cloth. Do not use abrasive cleaners or immerse the robot in water.

スクエア型に潜む、致命的な「弱点」



The image emphasizes the easy maintenance of the robot, including cleaning the pads and refilling the water tank.

8. TROUBLESHOOTING

If you encounter issues with your HUTT DDC55pro, refer to the following common problems and solutions:

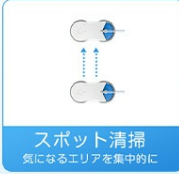
Problem	Possible Cause	Solution
Robot falls or loses suction	Glass is too small, cracked, or has stickers; surface is wet/condensed; safety rope not secured.	Ensure glass meets requirements, surface is dry, and safety rope is properly attached.
Unstable operation (shaking, clicking sounds)	Mops are too wet or dirty.	Stop cleaning immediately and replace with dry, clean mops.
Water not spraying	Spray nozzle is clogged.	Use the provided cleaning needle to clear the nozzle.
Red light on startup	Low battery.	Connect the power adapter and allow the robot to charge until the status light turns off (or fully charged).



スマートなルート計画

シーンに合わせて選べる4つの清掃モード






マニュアル操作 (上下左右)



- 開始 / 一時停止 / 再開
- スプレー ON/OFF
- ダブル清掃
- スポット清掃
- 清掃再開

This image provides visual examples of unsuitable glass types (too small, cracked, with stickers, curved) and common operational issues with their respective solutions.

9. SPECIFICATIONS

Feature	Detail
Brand	HUTT
Model Number	DDC55PRO
Dimensions (L x W x H)	29 x 8 x 14 cm
Suction Power	6500Pa (Max)
Mop Rotation Speed	70 RPM
Water Tank Capacity	80ml
Battery Type	Lithium Ion

Feature	Detail
Backup Battery Duration	Approx. 30 minutes
Safety Rope Load Capacity	148 kg
Applicable Surfaces	Glass, wallpaper, bathroom tiles, mirrors, wooden doors
GTIN	747759778117
ASIN	B0H1J4F24V

10. WARRANTY AND SUPPORT

HUTT is committed to providing excellent customer service and support for your DDC55pro robot.

- **Professional Support:** Our dedicated support staff are available to assist with any product inquiries or troubleshooting needs.
- **Product Warranty:** The HUTT DDC55pro comes with a standard 12-month warranty.
- **Extended Warranty:** Register your product through the official HUTT app to receive an additional 12-month extended warranty, totaling 24 months of coverage.

For support, please refer to the contact information provided on the official HUTT website or your purchase platform.



This image outlines HUTT's comprehensive after-sales support, including professional staff assistance, a 12-month product warranty, and an extended 24-month warranty upon app registration.

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and use this page's manual context to help answer it.

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Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

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