User Manual

Upright Wet and Dry Vacuum Cleaner DW-H190

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Dear Customer,

Thank you for choosing our products.
We are pleased to offer you appliances and devices designed and manufactured to the highest standards of quality, functionality, and design. Before using the device, please read this manual carefully. It contains important information regarding your safety, as well as recommendations for the proper use and care of the product. Please keep this manual in a safe place and use it as a reference guide during future operation of the product.

Intended Use

The wet and dry vacuum cleaner is designed to remove dust and dirt from various surfaces (tile, parquet flooring, etc.).

Safety Precautions

- The device is not intended for cleaning carpets.
- This device is not intended for use by children or persons with reduced physical, sensory, or mental capabilities, unless they are supervised by a person responsible for their safety. Do not allow children to play with the device.
- Before connecting the device to the power supply, ensure that your home power supply parameters match its technical specifications.
- Do not place the device and the power adapter near heating elements, gas burners, etc.
- Do not use the device outdoors.
- Before connecting the device to the power supply, ensure that it is assembled correctly. Before each use, ensure that all its parts are securely fixed.
- Turn off the device when it is not in use, as well as during cleaning, assembly, and disassembly.
- Do not use the device for:
  - Vacuuming burning or smoking items, such as cigarettes, matches, or ash.
  - Vacuuming flammable or highly combustible substances.
  - Vacuuming very fine dust (e.g., concrete) or toner.
  - Vacuuming hard or sharp objects, such as large shards of glass.
  - Vacuuming construction debris.
- Do not hold the suction openings close to exposed body parts, clothing, or hair.
- Do not insert foreign objects into the vacuum cleaner openings or nozzles, and ensure they are not obstructed.
- Immediately turn off the device if the suction opening is blocked.
- Do not block the ventilation openings of the device.
- Do not leave the turned-on device unattended.
- Protect the device from impacts, drops, vibrations, and other mechanical stress.
- Do not use accessories not recommended by the manufacturer.
- Do not use the device if visible damage is detected, and immediately contact an authorized service center if any damage is found.
- This device is not intended for commercial use.

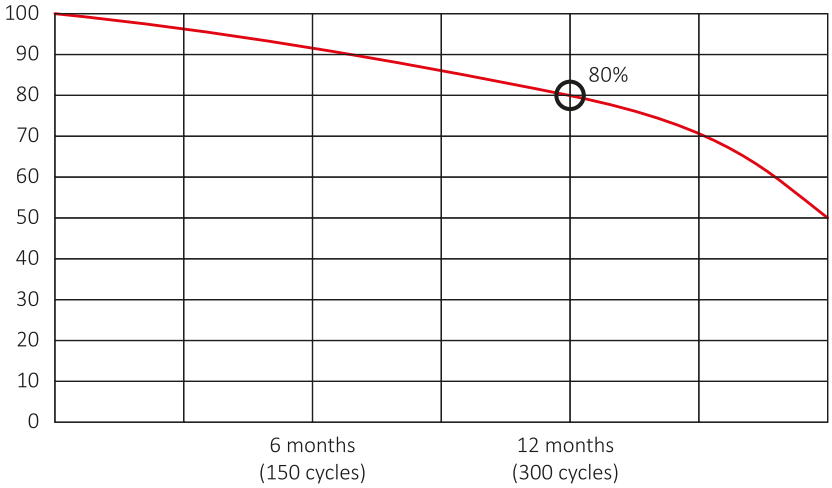
Rechargeable Battery Guidelines (Li-pol/Li-ion)

Dear Customer, please note that this device uses a lithium-based rechargeable battery as its power source. Please carefully read the information below to help extend the life of your battery and prevent undesirable consequences during its operation.

Battery Capacity and Charge-Discharge Cycles

During prolonged storage and use, the rechargeable battery (hereinafter referred to as «the battery») tends to lose its charge and capacity. After 300 charge-discharge cycles (approximately one year of device use), the battery capacity may decrease to 80% of its nominal value. After 400 charge-discharge cycles, the battery capacity may decrease to 60% of its nominal capacity. Partial capacity reduction within these limits and time frames is natural battery wear and is not considered a defect.

Battery Capacity and Number of Charge-Discharge Cycles



Natural Battery Wear

The battery loses charge even when stored separately from the device. The self-discharge rate is approximately 5% per month. Due to their design, rechargeable batteries have a limited service life and gradually degrade regardless of whether they are in use. This degradation accelerates at higher temperatures and when the charge level deviates from the «optimal» storage level, which is generally considered to be 40%. In other words, if the battery is not in use, it is advisable to keep the charge level between 40% and 50%.

Use Only the Original Charger

The battery's charge and discharge capability is controlled by its built-in Battery Management System (BMS). Forced «fast charging» modes using external chargers for Li-ion batteries are strictly not recommended, as charge and discharge currents are limited. Li-ion batteries do not have a so-called «memory effect». You can start charging or discharging the battery from any charge level.

Most devices have charge and discharge limits—the controller may prevent the battery charging if, for example, the charge is already above 90%. It will also prevent the battery from fully discharging, protecting the cells from damage. Even if the device is powered from the mains, the Li-ion battery should undergo a full charge/discharge cycle at least once a month (until the «low battery» warning appears). Never let the battery discharge completely. A Li-ion battery degrades quickly if stored in a discharged state for a prolonged period. If this happens, charge it immediately. If the battery remains in a discharged state for two weeks or more, irreversible capacity loss occurs in the cells, which will ultimately lead to battery failure.

Observe the Temperature Requirements

Batteries must be stored in a charged state at temperatures between +15 °C and +35 °C with normal humidity. Batteries do not perform well during prolonged operation in very high (above +40 °C) or very low (below -10 °C) ambient temperatures. Do not leave the battery in direct sunlight.

Do Not Disassemble, Burn, or Use Damaged Batteries

Under no circumstances should you attempt to disassemble the battery or charge its individual cells. For repair or maintenance, please contact an authorized service center. Puncturing or crushing the cells can cause an internal short circuit, leading to fire and explosion. Melting of lithium due to high temperatures can also cause an explosion. If the seal is broken, water or condensed atmospheric moisture can enter the cell, potentially triggering a reaction that releases hydrogen and causes a fire. You can check the current battery status using the battery indicator, which is available on almost all devices (please check its location and operation method at the time of purchase).

CAUTION!

- Be careful — damaged batteries may release harmful substances.
- If the battery is replaceable (removable), and you discover problems with its performance, contact a service center (see the warranty period in the warranty information). If the battery is built-in (an integral part of the device), the warranty applies to the device itself. You should also contact a service center. The sooner a malfunctioning battery is taken in for repair, the better the chances of restoring it at minimal cost.
- Battery operating time depends on many other factors, and the actual operating time may differ from the stated value.
- Rechargeable batteries have a limited number of charge cycles and may eventually need replacement (see the limited warranty conditions for the battery in the warranty information). Battery operating time depends on the usage mode and settings.

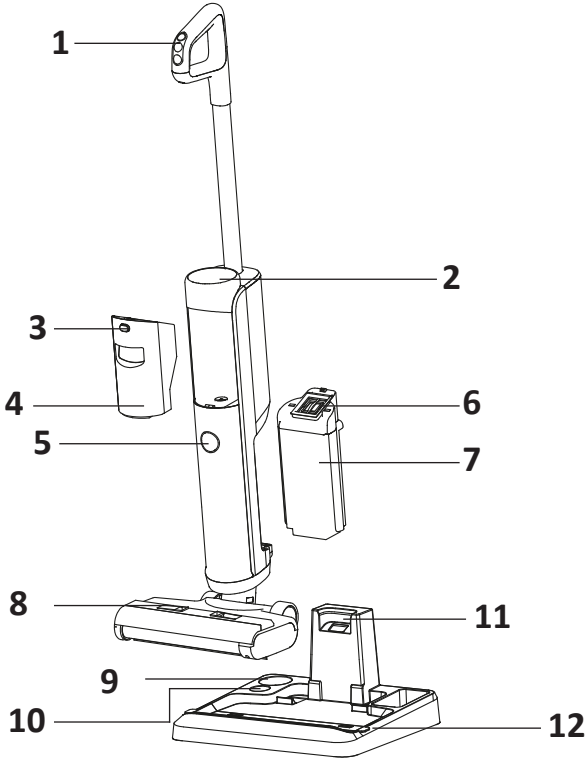
Specifications

- Model: DW-H190.
- Trademark: DEXP.
- Protection class: II.
- IP code: IP20.
- Suction power: 30 W.
- Device power: 190 W.
- Power supply: 220–240 V ~ 50/60 Hz.
- Dust container capacity: 0.45 L.
- Clean water tank capacity: 0.6 L.
- Battery: Li-ion, 22.2 V, 4000 mAh.
- Dustbin type: Bagless.
- Filter type: HEPA.
- Noise level: 78 dB.
- Maximum battery runtime: 35 min.
- Suction force: 13000 Pa.
- Scope of application: Domestic.

Package Contents

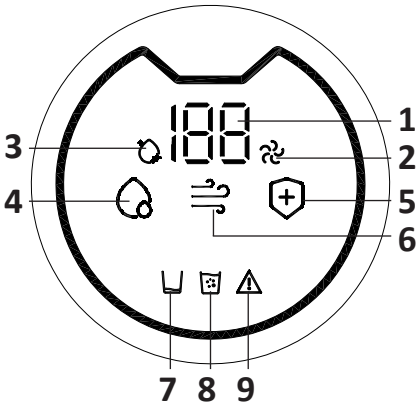
- Device.
- HEPA filter (2 pcs).
- Turbo brush roller (2 pcs).
- Tank cleaning brush.
- Docking station.
- User manual.
- Power adapter.

Device Diagram



1. Control panel.
2. Display.
3. Clean water tank latch.
4. Clean water tank.
5. Indicator.
6. HEPA filter.
7. Dirty water tank.
8. Turbo brush roller latch.
9. Turbo brush roller storage slot.
10. Cleaning brush storage slot.
11. Docking station charging contacts.
12. Docking station.

Display

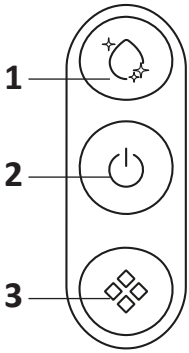


1. Charge indicator.
2. High power mode indicator.
3. Self-cleaning indicator.
4. Wet cleaning mode indicator.
5. Sterilization mode indicator.
6. Dry cleaning mode indicator.
7. Empty clean water tank indicator.
8. Full dirty water tank indicator.
9. Error indicator.

Control Panel

1. **Self-cleaning button** — launches the device self-cleaning mode. Place the device on the docking station and press this button to start the internal cleaning process.
2. **Power button** — used to start the device.
3. **Mode switching button** — each press activates one of three modes:
   - Wet cleaning.
   - Dry cleaning.
   - Sterilization.

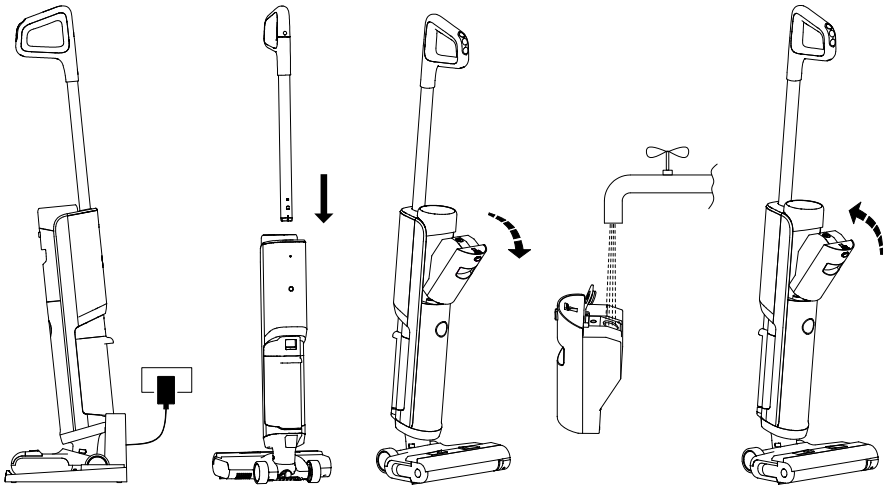
By default, the device operates in wet cleaning mode after startup.



Operating Instructions

Getting Started

1. Connect the docking station to the power supply.
2. Before use, the device must be fully charged on the docking station.
3. Insert the handle into the device. Ensure it is securely fixed.
4. Press the latch and remove the clean water tank.
5. Fill the tank with water and close it tightly. For a more thorough cleaning, you can add a special detergent for wet vacuum cleaners to the tank.
   Note: The water temperature in the tank must be below 60 °C.



6. Install the clean water tank back into place until it clicks.
7. Press the power button, and the device will start operating in wet cleaning mode. The mode indicator will light up on the display.
8. After cleaning, press the power button to turn off the device.

Note: When the dirty water tank is full, the device will automatically turn off.

Dry Cleaning Mode

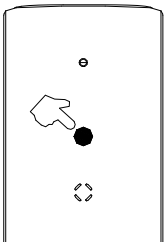
- During device operation, press the mode switching button to switch to dry cleaning mode.
- The mode indicator will light up on the display.
- The device will start operating with reduced suction power, and the brush will stop spraying water.

Sterilization Mode

- During dry cleaning, press the mode switching button to switch to sterilization mode.
- The mode indicator will light up on the display. The preparation of the electrolytic solution will begin.
- The device will give a voice prompt when the solution is 100% ready.
- Move the brush over the floor as you would during wet cleaning.

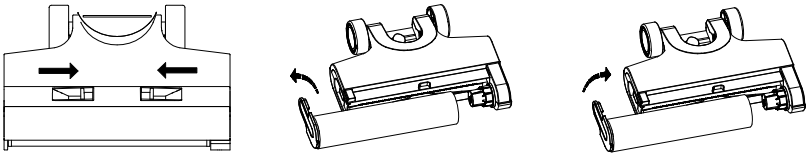
Voice Assistant

To turn the voice assistant on or off, press the button on the back of the device.



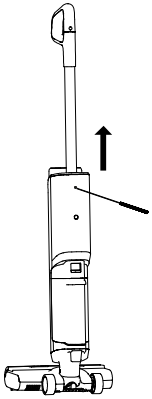
Turbo Brush Roller Replacement

1. Pull both latches on the brush simultaneously and remove the cover.
2. Pull the roller handle to the left and remove it.
3. Insert the roller, aligning its right edge with the axis on the brush. Close the cover.



Handle Removal

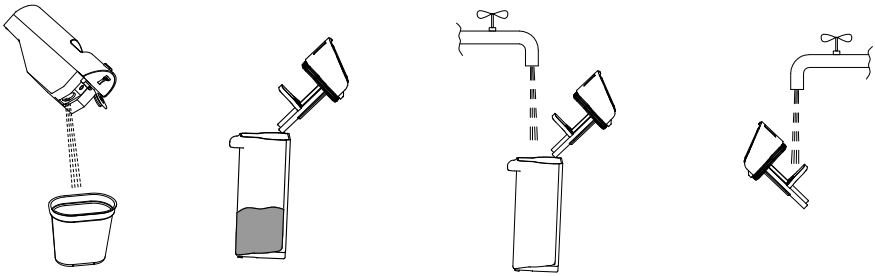
1. If it is necessary to remove the handle, take a thin, long object and press the button in the recess on the back of the device.
2. Pull the handle upward until it clicks.



Maintenance and Care

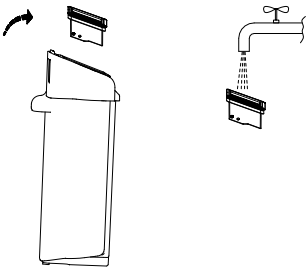
Regular Maintenance

- After cleaning, press the power button to turn off the device.
- Remove the dirty water tank and empty it. Rinse the HEPA filter mesh and the inside of the tank under running water.
- After each use, the device must be placed on the docking station for charging.



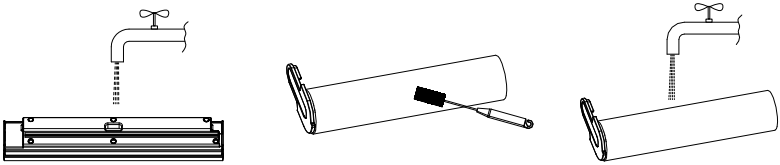
Filter Cleaning

Remove the HEPA filter from the dirty water tank and rinse it in clean running water. Ensure that the filter is completely dry before reinstalling it.



Turbo Brush Cleaning

1. Remove the roller and the brush cover as shown in the «Operating Instructions» section.
2. Rinse the cover under running water.
3. Remove hair and other debris from the roller. Rinse the roller in water.



Self-Cleaning

1. Fill the clean water tank and empty the dirty water tank.
2. Place the device on the docking station and press the self-cleaning button.
3. Self-cleaning occurs in two stages. First stage: clean water will be sprayed onto the rotating roller. Second stage: after a few seconds, the vacuum cleaner will start sucking water from the brush roller.
4. The self-cleaning process takes up to 2 minutes. If the clean water tank empties or the dirty water tank becomes full, self-cleaning will stop earlier.

Troubleshooting Guide

Issue	Possible Cause	Solution
Self-cleaning mode does not start	Docking station is not connected to the power supply	Connect the docking station power adapter to the power supply and press the self-cleaning button
Dirty water tank is leaking	Detergent is foaming excessively	Use a smaller amount of detergent
	Too much water	Empty the tank
Device does not turn on	Battery is discharged	Fully charge the device before use
Poor suction	Suction opening of the nozzle or pipe is clogged	Turn off the device and clear the clog
	HEPA filter mesh is dirty	Clean the HEPA filter mesh

Rules and Conditions for Installation, Storage, Transportation, Sale (Distribution), and Disposal

- The device does not require installation or permanent mounting.
- The device must be stored in its original packaging, on heated premises, both at the manufacturer's and at the consumer's sites. The ambient temperature should be between +5 °C and +40 °C, and the relative humidity should not exceed 80% (non-condensing). The storage area must be free from aggressive contaminants (e.g., acid or alkali vapors) that could cause corrosion.
- The device must be transported under dry conditions.
- The device requires careful handling. Protect it from exposure to dust, dirt, impact, moisture, fire, and other hazards.
- Sale or distribution of the device must be carried out in accordance with local legislation.
- Upon expiration of the device's service life, it must not be disposed of with unsorted household waste. Instead, it must be taken to an authorized collection point for electrical and electronic equipment for subsequent recycling and disposal in accordance with federal or local legislation. By ensuring proper disposal of this product, you help conserve natural resources and prevent potential harm to the environment and human health that may result from improper handling. For more detailed information about collection and disposal points for this product, please contact your local municipal authorities or your household waste disposal service.
- If a device malfunction is detected, immediately contact an authorized service center or dispose of the device.

Warranty Information

The manufacturer guarantees the device will function properly throughout the warranty period and be free from defects in materials and assembly. The warranty period commences on the date of purchase and applies to new products only. Warranty service includes free repair or replacement of defective parts that fail during the warranty period, provided the failure is not caused by consumer misuse and the product is operated in accordance with the user manual. Repairs or part replacements shall be performed at authorized service centers.

Warranty Period: 12 months
Service Life: 24 months

For the up-to-date list of authorized service centers, please visit:
https://www.dns-shop.ru/service-center/

Additional Information

Manufacturer: Ningbo Haojia Electrical Appliance Co., Ltd.
No. 58, Yixiang Road, Langxia Street, Yuyao City, Zhejiang Province, China.

Made in China.

The product meets the requirements of the technical regulations of the TR CU (EAEU).

Product specifications, information and appearance are subject to change without prior notice, for quality improvement of our products.

Production date (mm.yyyy): _____v.1

