
项目名称

W2445A

版本号

A00

设计时间

2025/02/28

物料名称

说明书

设计师

梅梭宁

审核

批准

料号

04170500004416

材质工艺要求:

材质要求: 70G 双胶纸, 胶装

颜色及专色: 单色印刷

尺寸要求: 140mm*210mm

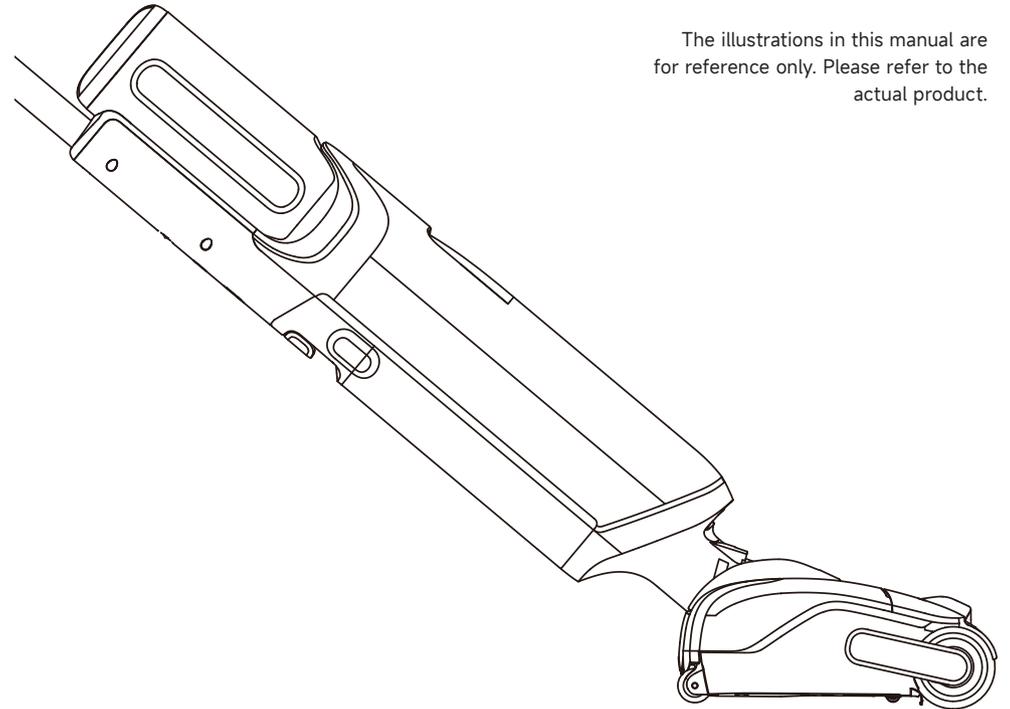
变更履历:

X4 Pro

Wet and Dry Vacuum

User Manual

The illustrations in this manual are for reference only. Please refer to the actual product.



Website:
www.mova-tech.com
Manufactured by:
Moonstone Technology (Shaoxing) Co., Ltd.

Made in China

HMH17A-AU-A00



MOVA

THANK YOU

For purchasing this
Wet and dry vacuum.

For more product information,
please visit www.mova-tech.com



The high-quality product is engineered
for optimal performance.
If you have any questions on the product,
please contact us:
<https://global.mova-tech.com/pages/contact-us>



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Important Safety Instructions

Please read this manual carefully before use and retain it for future reference. When using an electrical appliance, basic precautions should always be followed, including the following:

READ ALL INSTRUCTIONS BEFORE USING (THIS APPLIANCE). Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

WARNING — To reduce the risk of fire, electric shock, or injury:

Usage Restrictions

- This appliance should not be used by children younger than 8 years old nor persons with physical, sensory, intellectual deficiencies, or limited experience or knowledge without the supervision of a parent or guardian to ensure safe operation and to avoid any risks. Cleaning and maintenance shall not be performed by children without supervision.
- Plastic film can be dangerous. To avoid the danger of suffocation, keep it away from children. Children shall not play with the appliance.
- Use indoors only, on non-carpeted floor surfaces such as vinyl, tile, sealed wood, etc. Be careful not to run over loose objects or the edges of area rugs. Stalling the brush may result in premature belt failure.
- Use only as described in this user guide. Use only manufacturer's recommended attachments.
- Do not expose the appliance to fire or excessive temperature. Exposure to fire or excessive temperature may cause an explosion.
- Do not use in extremely hot or cold environments (below 5°C /41 °F or above 40°C /104 °F). Please charge the appliance in temperature above 5°C /41 °F and below 40°C /104 °F.
- Do not immerse the appliance in liquid.
- Do not use to pick up flammable or combustible liquids, such as gasoline. Do not use in areas where flammable or combustible liquids may be present.
- Do not put any object into openings. Do not use the appliance when any opening is blocked. Keep free of dust, lint, hair, and anything that may inhibit air flow.
- Do not pick up toxic material (chlorine bleach, ammonia, drain cleaner, etc.). Do not pick up hard or sharp objects such as glass, nails, screws, coins, etc.
- Do not use the appliance in an enclosed space filled with vapor given off by oil-based paint, paint thinner, some moth-proofing substances, flammable dust, or other explosive or toxic vapour. Do not pick up anything that is burning or smoking, such as cigarettes, matches or hot ashes.
- Do not use the appliance without filters in place.
- Keep hair, loose clothing, fingers, and all parts of the body away from openings and moving parts of the appliance and its accessories.

Important Safety Instructions

- Keep ground cables away from the appliance when using it. A hazard may occur if the appliance runs over a supply cord.
- Use extra care when cleaning on stairs.

Maintenance and Storage

- Prevent unintentional starting. Ensure the switch is in the OFF-position before picking up or carrying the appliance. Carrying the appliance with your finger on the switch or turning on the appliance may result in an accident.
- Ensure that the appliance is placed on a horizontal surface. Do not use the appliance at the same position if the appliance is equipped with a roller brush and the handle is not completely upright. Do not store the appliance in a place where it may freeze.
- Switch off and unplug the appliance when not in use, before cleaning, maintaining or servicing it, and before connecting or disconnecting it with a moving brush.
- Do not use an appliance that is damaged or modified. A damaged or modified appliance may exhibit unpredictable behavior resulting in fire, explosion, or risk of injury.
- Do not modify or attempt to repair the appliance except as indicated in the instructions for use and care.
- Do not use the appliance with a damaged attachment (eg: charging base, supply cord etc.). If the appliance or attachment has been dropped, damaged, left outdoors, dropped into water, or is not working as it should, never attempt to operate it. Please have it repaired at an authorized service center.
- Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the appliance is maintained.
- Liquid or steam must not be directed towards equipment containing electrical components, such as the interior of ovens.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

Battery and Charging

- For the purpose of recharging the appliance, only use the charging base provided with this appliance. Use only with HCBZ charging base.
- Follow all charging instructions and do not charge the appliance outside of the temperature range specified in the battery as doing so increases the risk of fire.
- Charging base is equipped with drying function and only suitable for drying this appliance's brush.
- Keep the charging base cable away from heated surfaces. Do not handle the charging base plug or appliance with wet hands. To unplug, grasp the charging base plug, rather than the cable.

Important Safety Instructions

- Do not pull or carry charging base by cable, use cable as a handle, close door on cable, or pull cable around sharp edges or corners.
- Do not use any non-rechargeable battery pack. Failing to do so may cause the lithium-ion battery to catch fire. This appliance contains batteries that can only be replaced by qualified technicians or after-sales service.
- The lithium-ion battery pack contains substances that are hazardous to the environment. Before disposing of the appliance, please first remove the battery pack, then discard, or recycle it in accordance with local laws and regulations of the country or region it is used in.
- The appliance must be disconnected from the power supply when removing the battery. Keep batteries out of the reach of children. Never put batteries in mouth. If swallowed, contact your physician or local poison control.
- Under abusive conditions, never contact the battery from which the liquid may be ejected. If contact accidentally occurs, rinse with water. If liquid contacts eyes, seek medical help immediately. Liquid ejected from the battery may cause irritation or burns.
- The charging base is capable of charging the 6-cell 5000 mAh battery pack. This charging base should not be used to charge non-rechargeable batteries. Failing to do so may cause the lithium-ion battery to catch fire.
- The charging base is marked with a  icon indicating "Caution: Hot Surface". Do not touch the roller brush, hot water, or heating module of the charging base while self-cleaning with hot water.

Important Safety Instructions

Symbols



Class II equipment



Time-lag miniature fuse-link where T 3.15A is the symbol for the time/current characteristic



For indoor use only



Read operator's manual



Caution: Hot Surface



WEEE Information

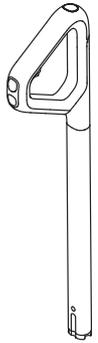
All products bearing this symbol are waste electrical and electronic equipment (WEEE as in directive 2012/19/EU) which should not be mixed with unsorted household waste. Instead, you should protect human health and the environment by handing over your waste equipment to a designated collection point for the recycling of waste electrical and electronic equipment, appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. Please contact the installer or local authorities for more information about the location as well as terms and conditions of such collection points.

We, Moonstone Technology (Shaoxing) Co., Ltd., hereby declares that this equipment is in compliance with the applicable Directives, European Norms, and amendments. The full text of the EU declaration of conformity is available at the following internet address: www.mova-tech.com

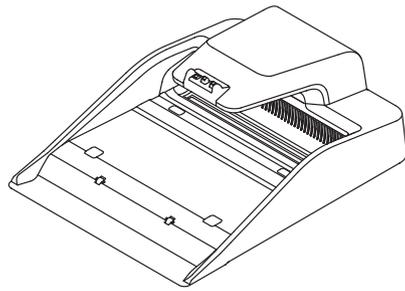
For detailed e-manual, please go to <https://www.mova-tech.com/pages/user-manuals-and-faqs>

Product Overview

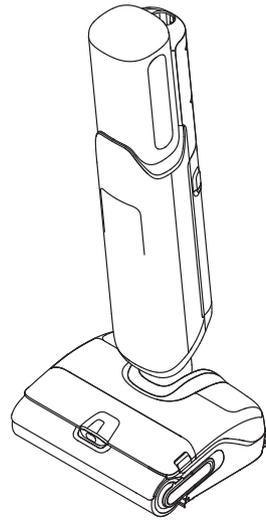
Packing List



Handle



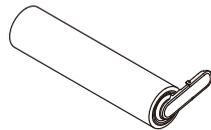
Charging Base



Main Body



Replacement Filter



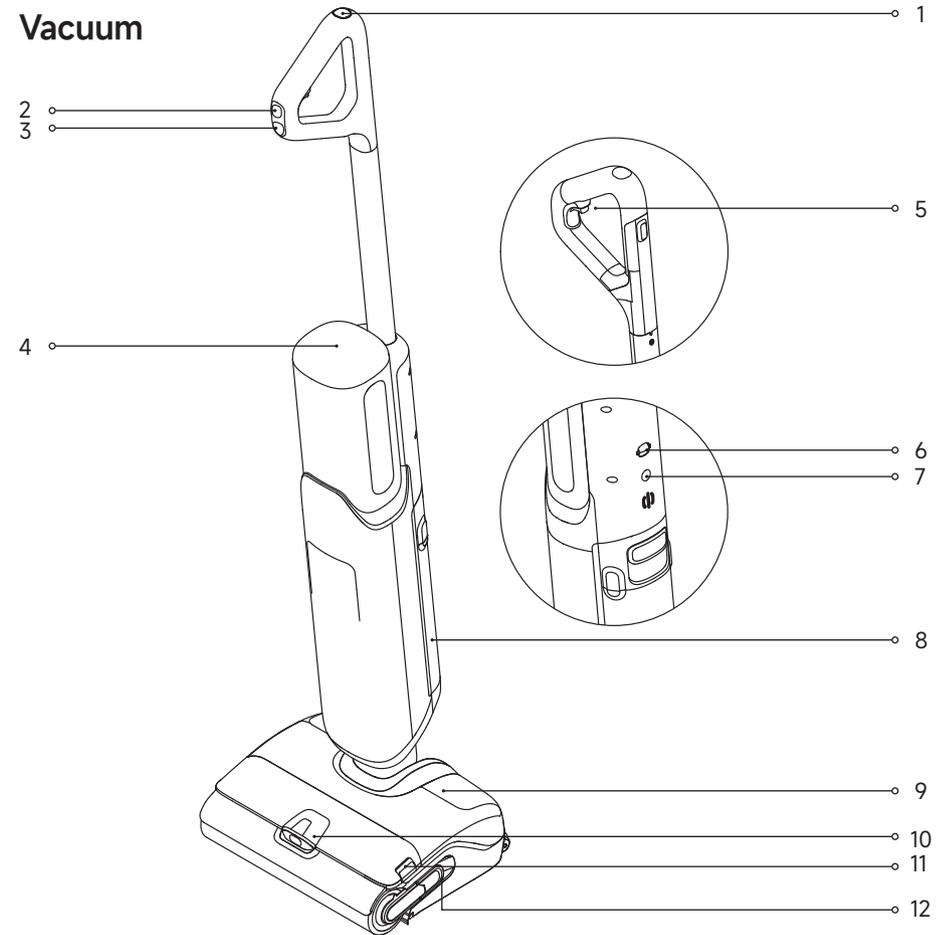
Spare Roller Brush



Cleaning Brush

Product Overview

Vacuum



1 Self-Cleaning Button

2 Mode Switch
 • Press to switch modes.
 • Press and hold for 3 seconds to enter/exit water-saving mode.

3 Power Switch

4 Display Screen

5 Spot Spray Button

6 Omnidirectional Wheel

7 Voice Prompt Button
 • Press briefly to activate the voice prompt or adjust the volume.
 • Press and hold for 3 seconds to access the language settings. Press to switch between languages. Press and hold to confirm the selection.

8 Used Water Tank

9 Clean Water Tank

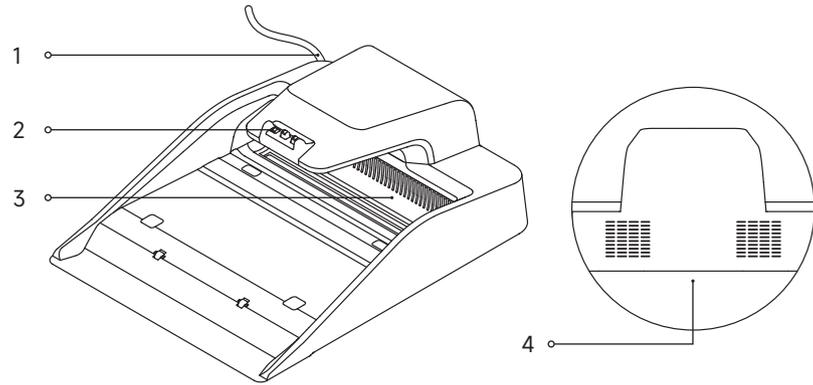
10 Spot Spray Nozzle

11 Roller Brush Cover Release Buttons

12 Roller Brush Handle

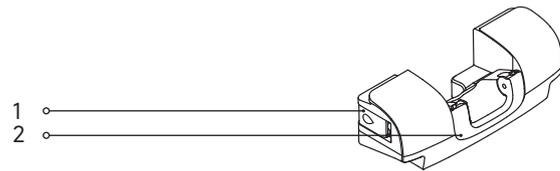
Product Overview

Charging Base



- 1 Power Cord
- 2 Charging Contacts
- 3 Air-Drying Outlet
- 4 Air-Drying Inlet

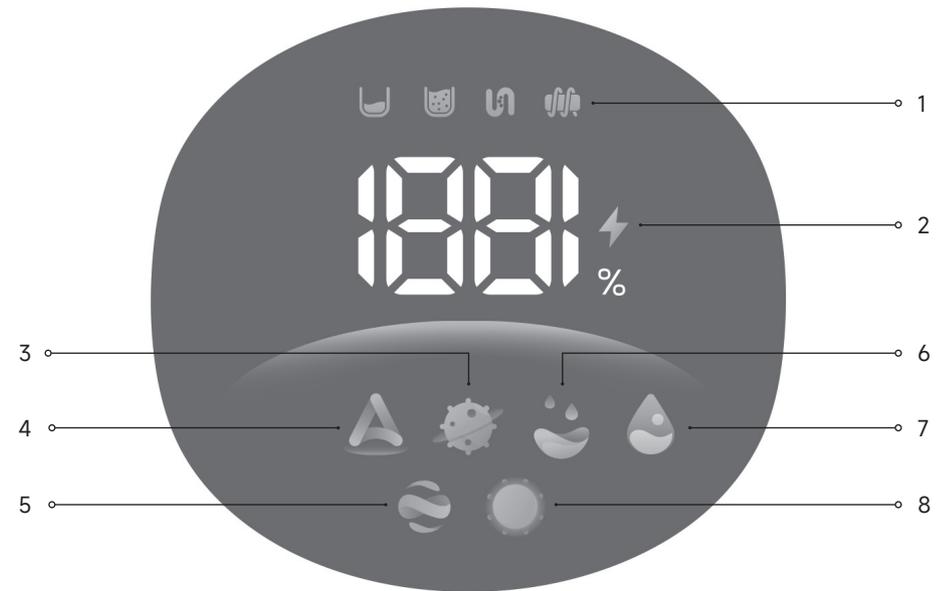
Clean Water Tank



- 1 Clean Water Tank Cover
- 2 Clean Water Tank Handle

Product Overview

Display Screen

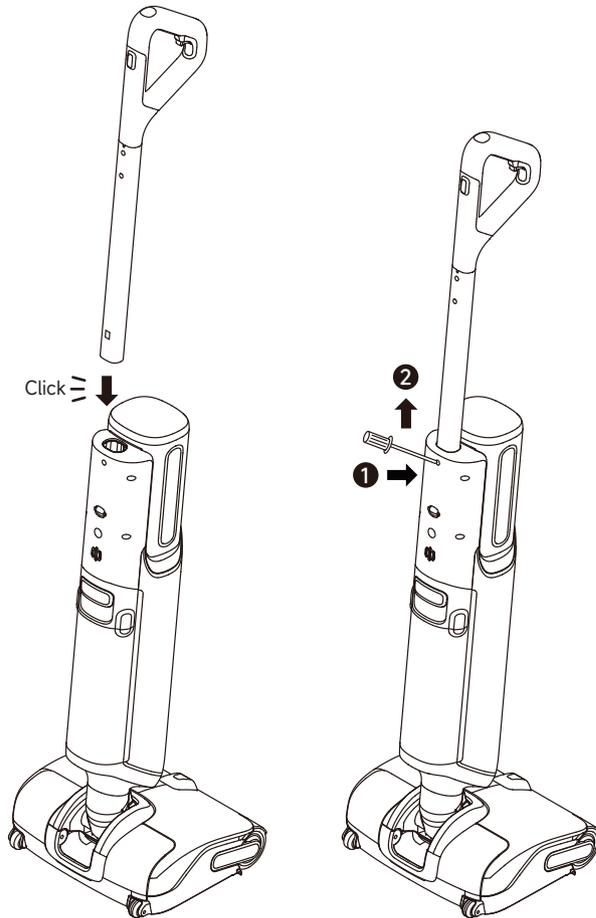


- 1 Error Messages
- 2 Charging/
Low Battery Indicator
- 3 Ultra Mode
- 4 Smart Mode
- 5 Self-Cleaning Mode
- 6 Suction Mode
- 7 Hot-Water Mode
- 8 Drying Mode

Note: If the appliance is not working properly, the display screen will show an error message. Please refer to the Error Prompts and Solutions table to find your solution.

Installation

Insert the end of the handle vertically into the port on the top of the appliance as indicated until you hear a click.



Note: To disassemble, extend a hard object into the hole of the appliance as indicated to press in the contacts and pull the handle upwards at the same time.

Charging

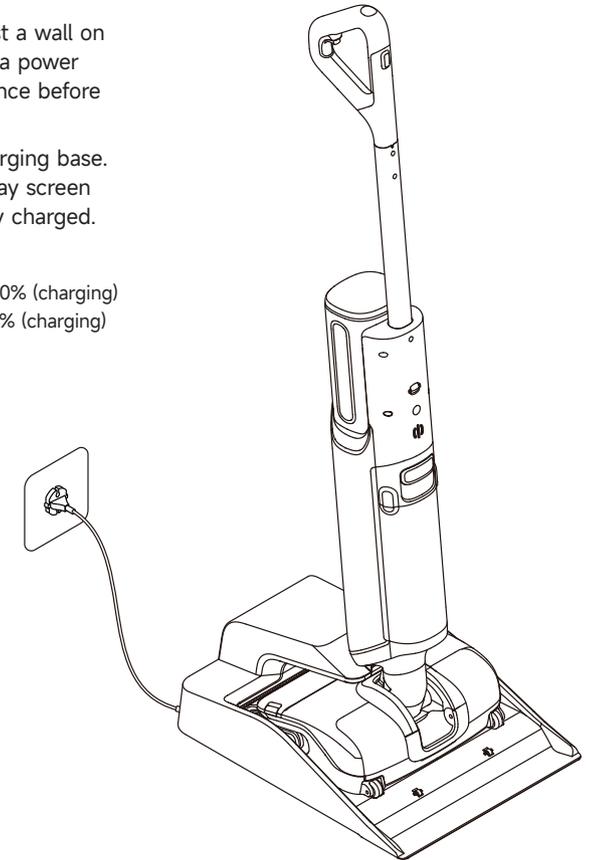
1. Place the charging base against a wall on level ground and connect it to a power source. Fully charge the appliance before first use.
2. Place the appliance on the charging base. When the number on the display screen reaches 100, the battery is fully charged.

⚡ Charging/Low Battery Indicator

- Orange Breathing: Battery level \leq 20% (charging)
- Green Breathing: Battery level $>$ 20% (charging)
- Solid Green: Full charged
- Solid Orange: Battery Level \leq 20%

Note:

- If there is no operation within 10 minutes of being fully charged, the vacuum will enter sleep mode.
- Please restart the appliance if you need to use it. To extend the battery life time, the battery keeps cooling down automatically after you have used the appliance for a long time.



How to Use

Adding Cleaning Fluid

WARNING: To reduce the risk of fire and electric shock due to internal component damage, use only Moonstone Technology (Shaoxing) Co., Ltd. AWH10 cleaning fluid intended for use with the appliance.

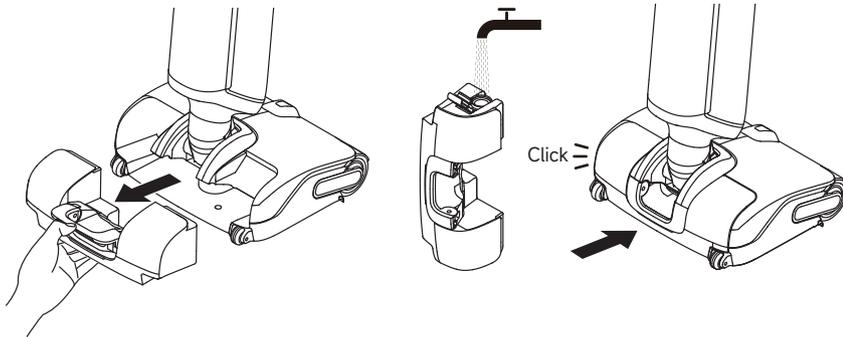
1. Remove the seal before use.
2. Measure the floor cleaner with the bottle cap (*approximately 10 ml/0.34 fl oz per cap).
3. Pour it into the Clean Water Tank and gently shake to mix evenly before use.

Note: Do not add any liquids other than the officially-approved cleaner. The cleaner can be available on the official online store.

How to Use

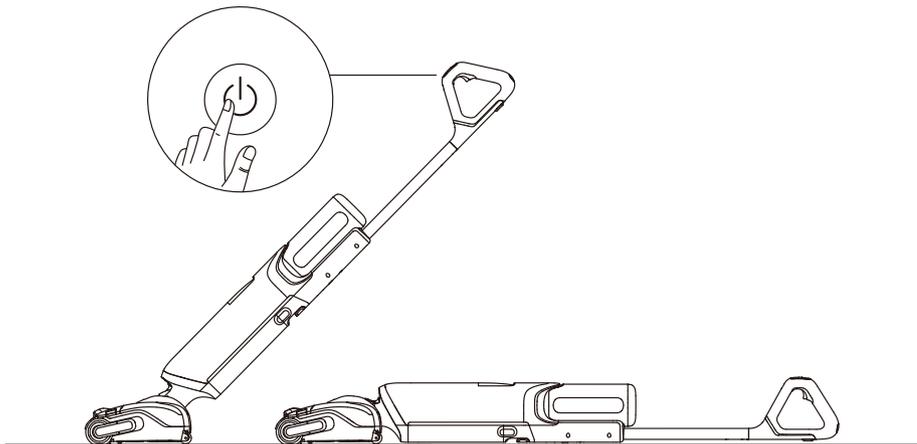
Filling the Clean Water Tank

Pull the clean water tank handle to remove the tank. Open the tank cover and fill the tank with clean water. Install the clean water tank and ensure it clicks into place.



Starting Cleaning

Gently step on the brush cover and recline the appliance backwards. Press the power switch (⏻) to start/stop operating. If the appliance is in the upright position while working, the current task will be suspended. The appliance is designed for lying flat at a 180-degree angle, enabling it to reach and clean under the low-profile furniture.



Note:

- Do not vacuum any foamy liquids.
- Make sure the appliance is in upright position before turning off the power while the appliance is lying flat.
- The appliance is suitable for cleaning floors, marble, tiles and other hard surfaces.
- When the appliance is in operation, do not lift it off the ground, move it or tilt it. Otherwise, the used water may flow into the motor.
- When the appliance is placed on the charging base, it will automatically turn off; manual shutdown is not required.

How to Use

Switching Modes

Press the mode switch (⊖) to switch modes according to your needs. Press and hold ⊖ for 3 seconds to enter/exit water-saving mode.

Note: Enter water-saving mode, voice prompt "Ding"; Exit water-saving mode, voice prompt "Ding Ding".



Smart Mode

The appliance will intelligently adjust the suction power according to the stains on the ground.



Suction Mode

If suction mode is selected, the appliance will vacuum water only; the roller brush will not be dampened, and no water will be dispensed from the clean water tank.



Ultra Mode

Preparing ultra mode, please wait for 30 seconds. This mode is suitable for deep cleaning.

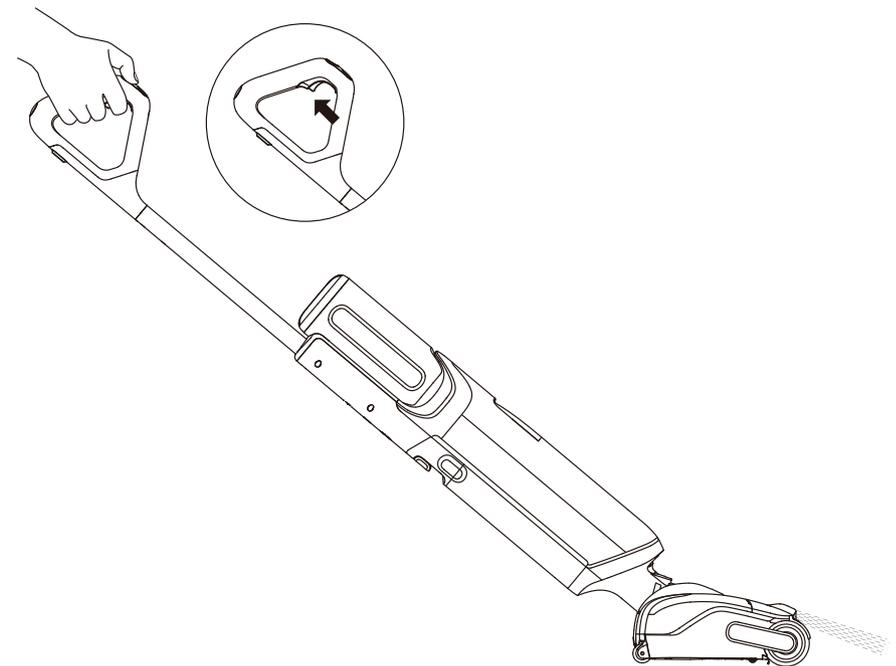


Hot-Water Mode

Suitable for cleaning moderate stains. After starting, the water temperature gradually rises to hot.

Starting Spot Spray

In Hot-Water Mode, press the spot spray button briefly, and the nozzle will spray out clean water.



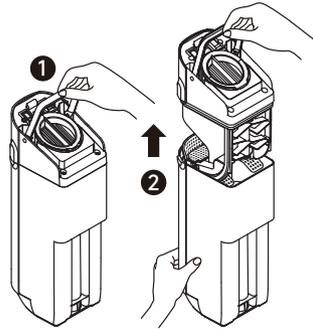
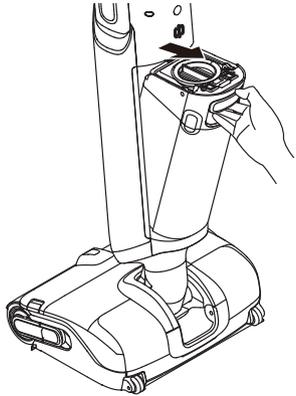
Note: Do not remove the brush cover while spraying hot water.

How to Use

Emptying the Used Water Tank

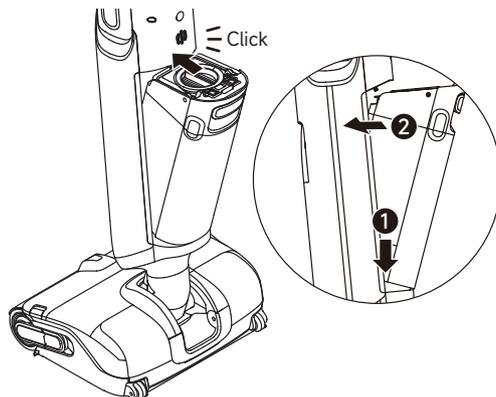
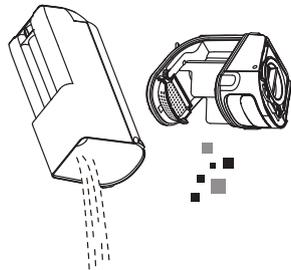
1. Pull and remove the used water tank.

2. Pull up the used water tank cover handle, lift off the cover.



3. Pour out the used water, and clean the solid waste from the solid waste filter basket.

4. Re-install until you hear a click.



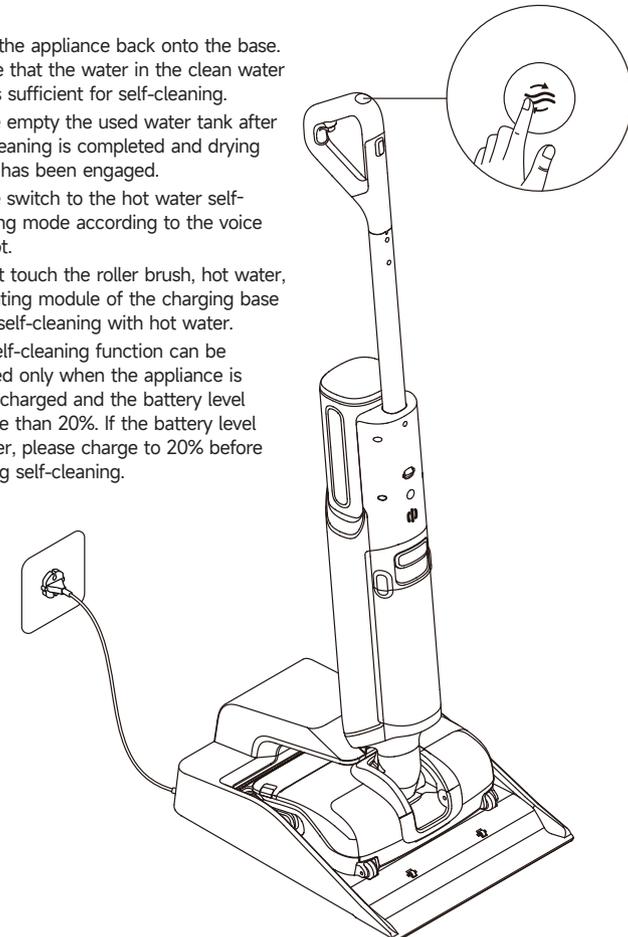
How to Use

Self-Cleaning With Hot Water & Drying Mode

	Press briefly	Intelligent Self-Cleaning
	Within 3 seconds of the Intelligent Self-Cleaning voice prompt, press briefly	Deep Self-Cleaning
	Press and hold	Enter Drying Mode
	In Drying Mode, press briefly	Exit Drying Mode

Note:

- Place the appliance back onto the base. Ensure that the water in the clean water tank is sufficient for self-cleaning.
- Please empty the used water tank after self-cleaning is completed and drying mode has been engaged.
- Please switch to the hot water self-cleaning mode according to the voice prompt.
- Do not touch the roller brush, hot water, or heating module of the charging base while self-cleaning with hot water.
- The self-cleaning function can be enabled only when the appliance is being charged and the battery level is more than 20%. If the battery level is lower, please charge to 20% before starting self-cleaning.



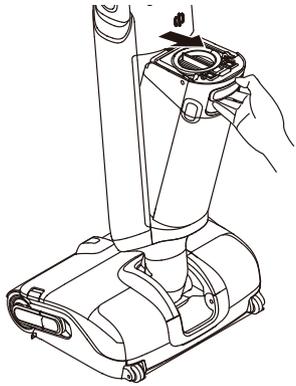
Care & Maintenance

Tips:

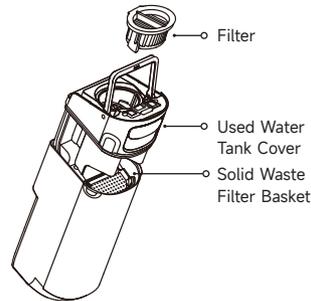
- Turn off the appliance before maintenance. Do not touch the power switch.
- Replace parts if needed. The parts must be replaced by those available from the manufacturer or its service agent.
- If the appliance is not used for an extended period, fully charge it, unplug the power plug, and store the appliance in a cool, low-humidity environment away from direct sunlight. To avoid over-discharge of the battery, charge the appliance at least once every 3 months.

Cleaning the Used Water Tank

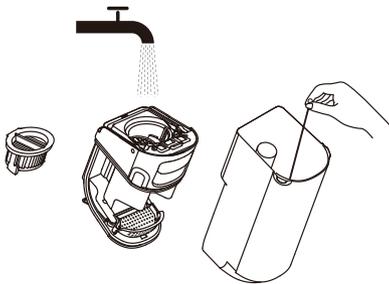
1. Pull and remove the used water tank.



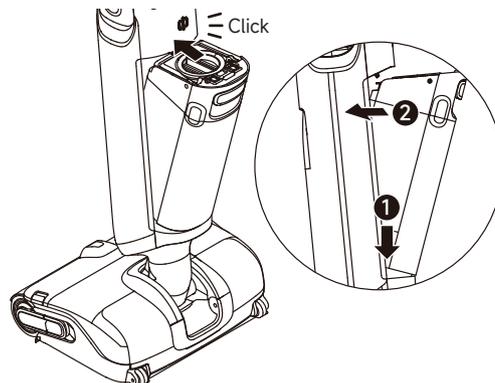
2. Pull up the used water tank cover handle, lift off the cover. Remove the filter.



3. Pour out the used water, and clean the solid waste from the solid waste filter basket. Rinse with clean water. Use the provided cleaning brush to clean the inner walls of the tank.



4. Re-install the filter and the used water tank cover. Then re-install the used water tank until you hear a click.



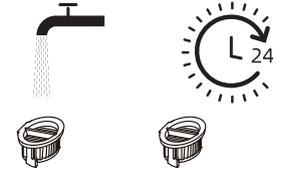
Care & Maintenance

Cleaning the filter

1. Remove the filter and gently knock off the floating dust on the surface.



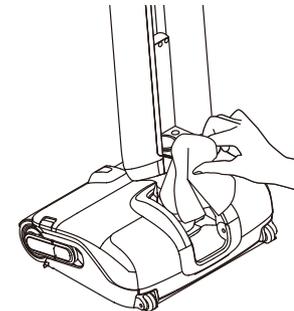
2. When the filter is dirty and needs washing, rinse it with water. It must be completely dry before use.



Note: Replacing the filter every 3 to 6 months is recommended.

Cleaning the Tube and the Dirt Sensor

Remove the used water tank. Wipe the tube and the dirt sensor with a wet cloth before use.



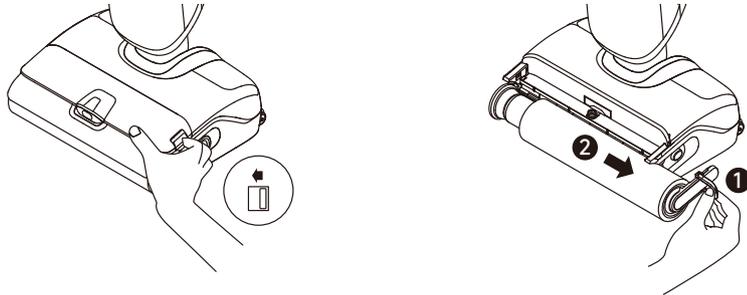
Note: Do not rinse the tube or the dirt sensor.

Care & Maintenance

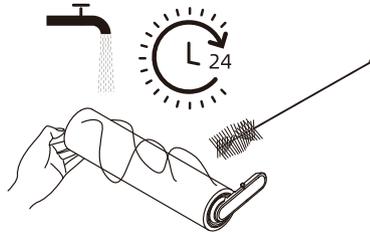
Cleaning the Brush Assembly

1. Press the roller brush cover release buttons to remove the roller brush.

2. Pull the brush handle to remove the brush.

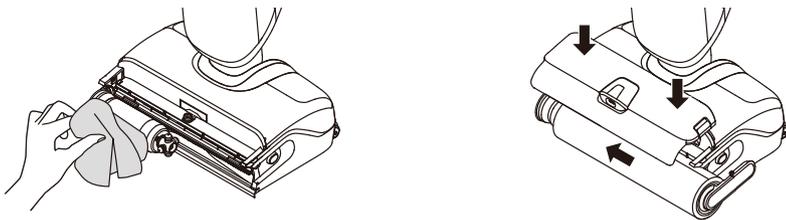


3. Clear any hair and debris caught on the roller brush with the provided cleaning brush. Rinse the roller brush and the cover with clean water and dry it completely.



4. Wipe the suction inlet with a dry cloth or wet tissue.

5. Re-install until you hear a click.



Note:

- Do not rinse the brush assembly with water.
- Clean as needed. Replacing the roller brush every 3 to 6 months is recommended.
- Ensure the Used Water Tank is removed or empty before laying the appliance on its side to clean the roller brush.

Troubleshooting

If an error occurs, the appliance will stop working. Please refer to the following table for troubleshooting. If the problem persists, please contact the customer service.

Error	Possible Cause	Solution
The appliance does not work.	The appliance is out of battery or its battery level is low.	Fully charge its battery before use.
	The appliance is in the upright position.	Recline the appliance backwards.
	Blockage activated overheat protection mode.	Clear the blockage and wait until the temperature returns normal.
	The Used Water Tank is full.	Empty the Used Water Tank.
	The parts are not installed in place.	Ensure all parts are all properly in place.
The appliance charges slowly.	The temperature of the battery is too low or too high.	Wait until the battery's temperature returns normal.
The suction power of the appliance is weak.	The filter is clogged.	Clean the filter.
	The suction inlet or tube is blocked by a foreign object.	Clean the tube and the suction inlet.
The motor is making a strange noise.	There is too much dirty water in the Used Water Tank.	Empty the Used Water Tank.
	The suction inlet is blocked.	Clear any blockage in the suction inlet.
The battery level indicator on the display screen does not light up while charging.	The charging base plug is not inserted into the electrical outlet properly.	Make sure the charging base plug is inserted in place.
	The appliance is not placed onto the charging base properly.	Make sure the appliance is placed onto the charging base properly.

Troubleshooting

No water is coming out of the appliance.	The Clean Water Tank is not properly installed in place, or the water in the Clean Water Tank is insufficient.	Re-install or fill the Clean Water Tank.
	It takes 30 seconds to dampen the roller brush.	Turn on the appliance and check again after a while.
The vent leaks water.	A collision or a sharp pull causes water to enter the motor.	Move the appliance gently back and forth while it is turned on.
	The filter is not completely dry after being cleaned.	Dry the filter completely before use.
Self-cleaning fails.	The roller brush may be jammed by large debris.	Remove the roller brush cover to check and clean the roller brush.
	The appliance is not placed onto the charging base properly.	Make sure the appliance is being charged before enabling the self-cleaning function.
	Self-cleaning cannot be enabled if the battery level is lower than 20%.	Self-cleaning can only be enabled while the appliance is being charged and the battery level is more than 20%.
	The Used Water Tank is full.	Empty the Used Water Tank.
	The Clean Water Tank is not installed in place, or the water in the Clean Water Tank is insufficient.	Re-install or fill the Clean Water Tank.
Poor drying performance.	The air outlet and air inlet of the charging base may be blocked.	Check and clear the blockage of air outlet and air inlet.

Error Prompts and Solutions

If the appliance is not working properly, the screen display will show an error message. Please refer to the below table to find your solution.

Error Icon	Possible Cause	Solution
	Insufficient water in the Clean Water Tank	Fill the Clean Water Tank.
	Used Water Tank full	Empty the Used Water Tank.
	Blocked tube	Refer to the Care & Maintenance section to clean the tube and dirt sensor.
	Roller brush stuck	Clean the roller brush.
	The roller brush and tube are dirty	Place the appliance back onto the base for self-cleaning.
	Error	Restart the appliance for troubleshooting. If the problem persists, please contact customer service.

Specifications

Vacuum			
Model	HMH17A	Rated Power	450 W
Rated Voltage	21.6 V ---	Charging Voltage	27 V ---
Clean Water Tank Capacity	760 mL	Used Water Tank Capacity	730 mL
Charging Time	Approx. 4 hours		
Charging Base			
Model	HCBZ	Rated Power Input*	660 W
Rated Input	220-240 V \sim 50-60 Hz	Rated Output	27 V --- 1.6 A

*The rated input power refers to the power measured during a representative cycle for entering the drying mode.
When the appliance is fully charged, it automatically enters standby mode after 10 minutes, with a power consumption of 0.43 W.

Battery Disposal and Removal

The built-in lithium-ion battery contains substances that are hazardous to the environment. Before disposing of the battery, make sure the battery is removed by qualified technicians and discarded at an appropriate recycling facility.

- the battery must be removed from the appliance before it is scrapped;
- the appliance must be disconnected from the supply mains when removing the battery;
- the battery is to be disposed of safely.

Removal Guide

1. Remove the handle by referring to the Installation section.
2. Use a proper tool to remove the top and body decorative covers of the appliance.
3. Use a screwdriver to remove all the fixing screws from the body.
4. Use a screwdriver to remove the fixing screws of the appliance front cover. Remove the cover.
5. Disconnect the battery pack's connector cables and remove the battery from the battery pack assembly.

CAUTION:

- Before removing the battery, disconnect the power and run out the battery as much as possible.
- Unneeded batteries should be discarded at an appropriate recycling facility.
- Do not expose to high temperature environment to avoid risks of explosion.
- Under abusive conditions, liquid may be ejected from the battery. If contact occurs, flush with water and seek medical help.

Warranty

1. MOVA is liable to the consumer for any lack of conformity in material or workmanship not detectable at the time of the purchase.
2. Warranty period: 3 years, starting from the date the product is sold to the consumer or delivered to the consumer (whichever occurs later). If the territory where the consumer is located has different regulation, local regulations prevail.
3. The warranty will not be applicable in the following cases:
 - a) Issues due to carelessness, improper use, or installation that does not comply with the instructions provided by MOVA.
 - b) Tampering and/or modifications of the product by entities or individuals not expressly authorized by MOVA.
 - c) Damage due to accidental causes and/or negligence on the part of the consumer, with particular reference to external parts.
 - d) Parts subject to wear that do not have manufacturing defects.
 - e) Battery discharge time is shortened due to aging or usage of the battery.
 - f) Consumables (such as roller brushes, filters, cleaning brushes, cleaning solutions, etc.).
 - g) No valid purchasing document (receipt, invoice, or other) is provided to certify the date the product was purchased.
 - h) The model and/or numbers of the product on the purchase certificate is not consistent with the model and/or numbers shown on the product.
4. For more warranty information, please refer to the official MOVA website: www.mova-tech.com