MOVA

4-in-1 Portable Vortex Vacuum & Blower

MDV001

User Manual

Safety Instructions

Read all safety warnings, instructions, and illustrations provided with this product carefully before use, and follow them at all times.

Please keep this manual for future reference.

- This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or by those lacking experience and knowledge, unless supervised or instructed by a responsible person to ensure safe operation.
- Keep children under close supervision to make sure they do not play with the appliance.
- The appliance generates a noise level of approximately 81 dB during operation. Appropriate hearing protection should be used.
- The product has strong suction. Keep hair and loose items at a safe distance to avoid entanglement.
- The appliance contains a DC motor. Do not use in flammable or explosive environments.
- Switch off the appliance immediately if unusual noise or excessive heat is detected.
- This product contains a non-replaceable battery.
- Do not apply to appliances with a replaceable battery pack.
- This appliance must only be supplied at SELV.
- Use only safety-approved adapters and charging cables for charging. Damage caused by improper charging is not covered by warranty.
- Do not leave the product unattended during inflation. Monitor pressure to avoid over-inflation.
- The appliance is not waterproof. Use only in a dry, clean environment. Do not rinse with water.
- Store the product at temperatures between 0-45 ° C. Extreme heat or cold may shorten service life and damage the battery.
- If left unused for long periods, the battery may be damaged. Recharge at least once every three months.

Battery Safety

- Overheating, impact, or water exposure may cause fire, self-ignition, or explosion. Avoid use in high temperatures or harsh environments.
- Do not expose the battery to extremely high temperatures (e.g., direct sunlight, fire, microwave ovens, or ovens), as this may cause explosion or leakage of flammable liquids and gases.
- Do not expose the battery to extremely low air pressure, which may result in explosion or leakage of flammable liquids and gases.
- Do not disassemble, crush, puncture, or cut the battery, as this may cause explosion.
- Stop using immediately if the battery shows significant swelling.

Safe Disposal of Used Batteries



- The battery must be removed before disposing of the appliance.
- Ensure the appliance is disconnected from power before removing the battery.
- Dispose of used batteries safely and in accordance with local regulations.

Table of Contents

1 Product Introduction 02
1.1 What's in the Box 02
1.2 Product Overview 03
1.3 Indicator Light Meanings 03
2 Installing/Removing Attachment 04
2.1 Vacuuming Attachments 04
2.2 Air Suction Attachment 05
2.3 Blowing Attachments 05
3 Operation 06
3.1 Charging 06
3.2 Power On/Off 06
3.3 Switch Power Mode 06
4 Cleaning and Maintenance 06
4.1 Dust Cup Cleaning 07
4.2 HEPA Filter Replacement 07
5 Disposal 08
6 Troubleshooting 09
7 Specifications 09
8 Warranty 10

1 Product Introduction

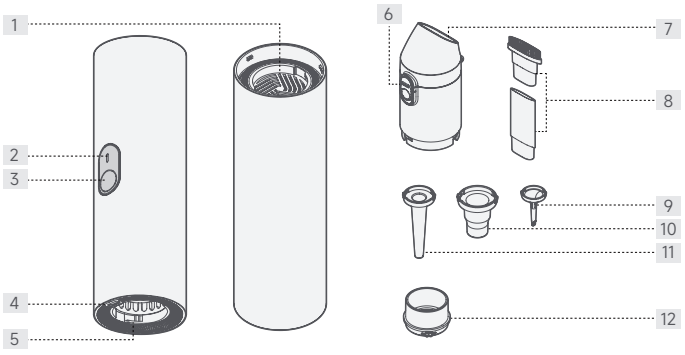
1.1 What's in the Box

Name	Quantity
Vacuum Cleaner Body	×1
Dust Cup	×1
2-in-1 Brush & Crevice Nozzle	×1
Long Blow Nozzle	×1
Short Blow Nozzle	×1
Swim Ring Nozzle	×1
Air Suction Adapter	×1
USB Charging Cable	×1
Storage Bag	×1
User Manual (with Warranty Card)	×1

NOTE:

- Please examine the tool and accessories listed above for any signs of shipping damage. If any part is missing or damaged, contact the retailer or MOVA Customer Service.
- Retain the packaging materials until you have fully inspected and tested the product.

1.2 Product Overview



1	Inlet Opening	5	Outlet Opening	9	Swim Ring Nozzle
2	Indicator Light	6	Dust Cup Cover Switch	10	Short Blow Nozzle
3	Power Button	7	Dust Cup (with filter)	11	Long Blow Nozzle
4	Charging Port	8	2-in-1 Brush & Crevice Nozzle	12	Air Suction Adapter

1.3 Indicator Light Meanings

White light steady (High Mode)	Battery level ⩾ 20%
Pink light steady (Low Mode)	Battery level ⩾ 20%
Red light steady	Low battery (Battery level < 20%)
Red light breathing	Charging
White light steady	Charging Complete

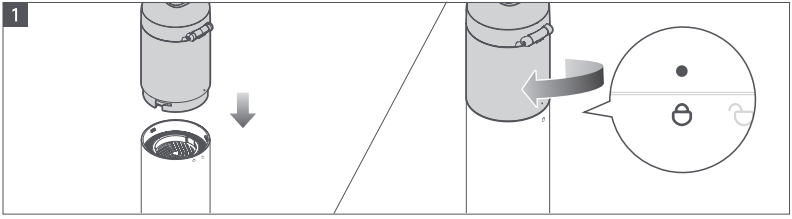
2 Installing/Removing Attachment

This product can perform vacuuming, inflating, blowing, and air suction functions when equipped with different attachments.

2.1 Vacuuming Attachments

⚠ **WARNING:** Do not operate the tool without the dust cup installed.

Dust Cup



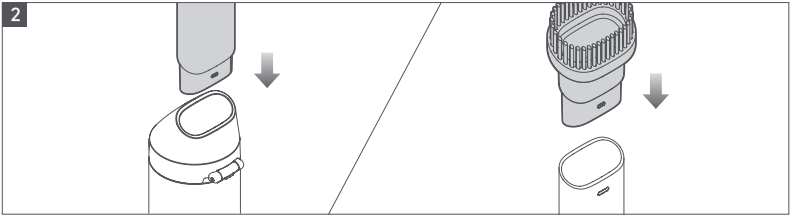
To install:

Align the [●] mark on the dust cup with the [ ] symbol on the air inlet. Insert the dust cup and rotate it clockwise until the [●] mark is aligned with the [ ] symbol.

To remove:

Rotate the dust cup counterclockwise to remove it.

2-in-1 Brush & Crevice Nozzle



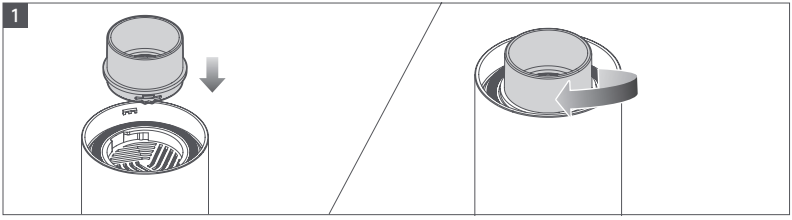
To install:

Insert the crevice attachment or the brush into the dust cup, or attach them together for combined use. A distinct click will be felt when properly secured.

To remove:

Hold the attachment and pull outward to remove.

2.2 Air Suction Attachment



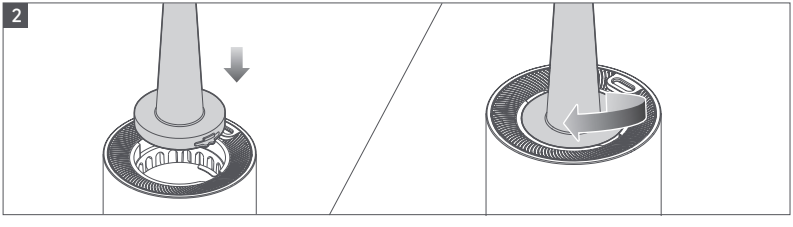
To install:

Align the tab on the air suction adapter with the slot on the inlet opening, insert the adapter, and rotate it clockwise until it locks into place. A distinct click will be felt when properly secured.

To remove:

Rotate the adapter counterclockwise to remove.

2.3 Blowing Attachments



To install:

Align the tab on the nozzle with the slot on the inlet/outlet opening, insert it, and rotate clockwise until it locks into place. A distinct click will be felt when properly secured.

To remove:

Rotate the nozzle counterclockwise to remove.

3 Operation

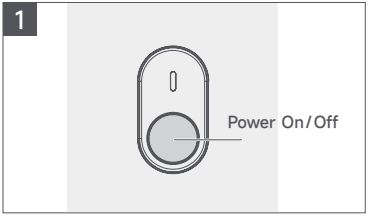
NOTE:
To prolong the product lifespan, it is recommended not to operate the device continuously for more than 20 minutes.

3.1 Charging

Use a compliant 5V/2A USB adapter (not supplied) and the original USB charging cable to charge the device. Fully charge the battery before first use.

NOTE:
It is not possible to use the tool while charging the battery.

3.2 Power On / Off



To power on:
Press and hold the Power button for 1 second to start.

To power off:
Press and hold the Power button for 1 second while the device is on to turn it off.

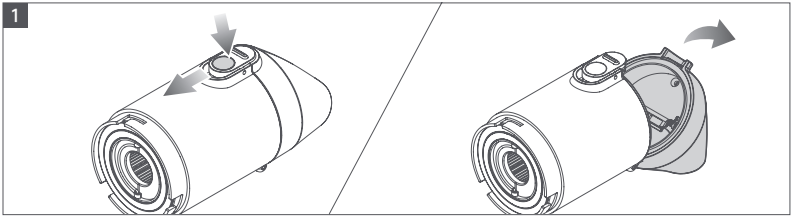
3.3 Switch Power Mode

Short press the Power button to switch modes: low → high → low.

4 Cleaning and Maintenance

4.1 Dust Cup Cleaning

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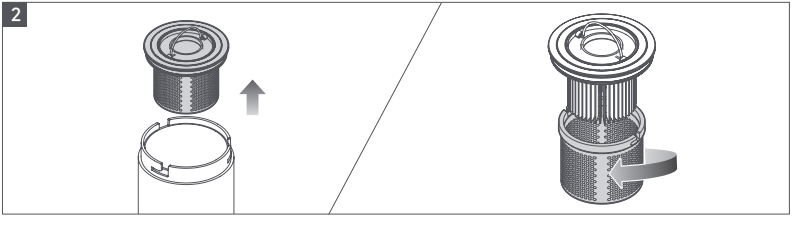


1. Push down the dust cup cover switch to unlock, press the switch to open the cover, and empty the contents.
2. After emptying, close the cover and push the switch upward to lock.

NOTE:
To extend product lifespan, clean the dust cup after each use. Rinse with clean water and allow it to dry completely before reassembling.

4.2 HEPA Filter Replacement

2



1. Hook the ring at the bottom of the dust cup to remove the filter assembly.
2. Unscrew the filter screen, replace with a new HEPA filter (sold separately), then reinstall the filter screen and tighten securely.

5 Disposal



Electrical and electronic devices often contain components that could potentially pose a danger to human health and the environment if handled or disposed of incorrectly. However, these components are necessary for the proper operation of the appliance. The appliance marked with this symbol must not be disposed of with regular household rubbish.



Li-ion

Batteries and rechargeable batteries contain substances that must not enter the environment. Please dispose of old batteries in an authorized place according to the relevant local requirements; they must not be disposed of with the usual domestic waste.

6 Troubleshooting

ISSUE	CAUSE	SOLUTION
Tool does not work	Low battery	Connect to power and fully charge the battery.
	Battery in protection mode	Adjust ambient temperature and operate in suitable conditions.
Slow inflation	Low battery	Connect to power and fully charge the battery.
	Nozzle not installed properly	Check and ensure the nozzle is correctly installed.
	Loose connection	Ensure the nozzle is securely connected to the inflatable object.
Leakage at connection	Nozzle not installed properly	Check and ensure the nozzle is correctly installed.
	Damaged nozzle	Check the nozzle, and replace it promptly if damaged.

7 Specifications

Product name	4-in-1 Portable Vortex Vacuum & Blower	**Rated voltage**	7.4V DC
Product model	MDV001	**Rated input**	5V⎓2A
Net weight (Main unit)	≈ 0.31 kg	**Motor power**	80 W
Product dimensions (Main Unit)	Ø 55 x 170 mm	**Battery type**	Lithium-ion
Max. suction	14000 Pa	**Battery capacity**	2000 mAh
Dust cup capacity	0.16 L	**Operating temperature**	0~45°C

8 Warranty

NOTE:
The warranty covers the main unit only and does not include other accessories.

1. The product is warranted for 1 year from the date of purchase. Please refer to your local laws and regulations for the specific warranty period applicable in your area.
2. During the warranty period, if any non-human-induced quality issues occur, the product is eligible for free repair or replacement after confirmation by our company.
3. The warranty does not cover any of the following:
   - Product failures or damages caused by the consumer due to improper use (not following the Safety Instructions in the product manual), maintenance, or storage (including operational errors, liquid ingress, incorrect plugging/unplugging, scratches, handling, bumps, inputting inappropriate voltage, inhaling white ash, sand, dust, special adhesive chemicals, metal, and other micro-particles, etc.).
   - The whole machine and accessories have exceeded the free warranty period.
   - Normal wear and tear, and consumable parts (such as scratches on the shell).
   - Damage caused by disassembly by the consumer or service centers not authorized by the Company.
   - No valid proof or valid invoice/invoice copy.
   - The model and product attributes on the proof do not match the model attributes of the repaired product or have been altered.
   - Damage caused by natural disasters, accidents, or other irresistible forces.
4. For more warranty information, please refer to the official website: https://www.mova.tech

CONTACT US
https://www.mova.tech/pages/contact-us

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