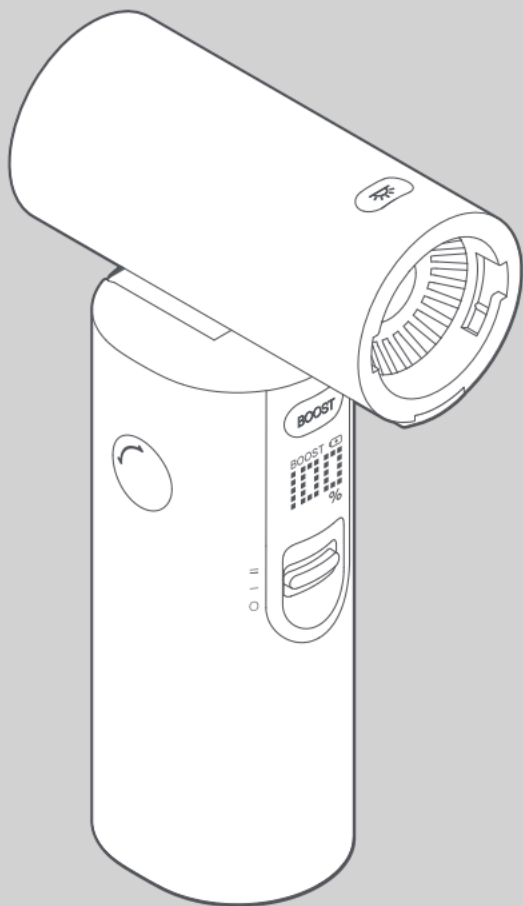


# HOTO





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# 01 Safety Instructions

## Warning!

- Please read all safety warnings, instructions, illustrations, and rules provided with this product, and retain them for future reference.
- Read this manual carefully before use, and retain it for future reference.
- This product will produce noise above 78 dB (A) during operation. Please exercise caution.
- Do not vacuum without attaching the dust cup.
- This product is extremely powerful. Please keep your hair away from the device during use.

## Precautions

- This product is not intended for use by persons (including children) 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 product by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the product.
- Do not store the product at temperatures below -10°C or above 45°C, as extreme temperatures will shorten the product's service life and damage the built-in battery.
- If the product is left idle for an extended period, the battery may be damaged. Please recharge the product at least once every three months.
- The product is equipped with a built-in DC motor. Please do not use it in flammable or explosive environments.
- If the device makes unusual noises or overheats during operation, please turn it off immediately.
- Do not leave the device unattended while inflating. Monitor the inflation process to prevent over-inflation.
- Please use the product in a dry and clean environment, as it is not waterproof. Do not rinse the product with water.
- Please use a certified and compliant power adapter in combination with a compliant charging cable to charge the product. Damage caused by failing to charge the product as specified above will not be covered by the warranty.
- Do not vacuum up liquids.
- It must only be connected to a SELV power source.
- This appliance contains non-replaceable batteries.
- Cleaning and user maintenance shall not be performed by children without supervision.
- Do not use the product to clean any burning objects. Do not use the product to pick up flammable or combustible liquids, corrosive gases, or undiluted acids or solvents.

## Battery

- Do not expose the battery to extreme heat, such as direct sunlight, fire, microwave ovens, or conventional ovens. Doing so may cause explosions or leakage of flammable liquids and gases.
- Do not disassemble, impact, crush, or puncture the battery, as this may cause an explosion.
- Do not subject the battery to extremely low air pressure, which may lead to an explosion or leakage of flammable liquid and gas.
- Do not use the product if the battery is severely swollen.
- Before disposing of the device, remove the battery.
- Ensure the device is disconnected from the power supply when removing the battery.
- The battery must be disposed of safely.

# 02 Product Overview

The HOTO PenVac Pivot Air Duster & Vacuum is a portable cleaning companion designed for both car and small indoor spaces. Its slim dust cup design allows it to easily reach narrow gaps and tight corners. With the appropriate accessories installed on either end, the device can be used for vacuuming, dust blowing, inflating, or lighting. Thanks to its foldable design, it can be conveniently stored in your car.

For more details, please visit the product page or contact HOTO customer service. Product images are for illustrative purposes only; please refer to the actual product.

- 1

Work Light Switch
- 2

Work Light
- 3

Air Outlet
- 4

Air Inlet
- 5

Folding Lock Button
- 6

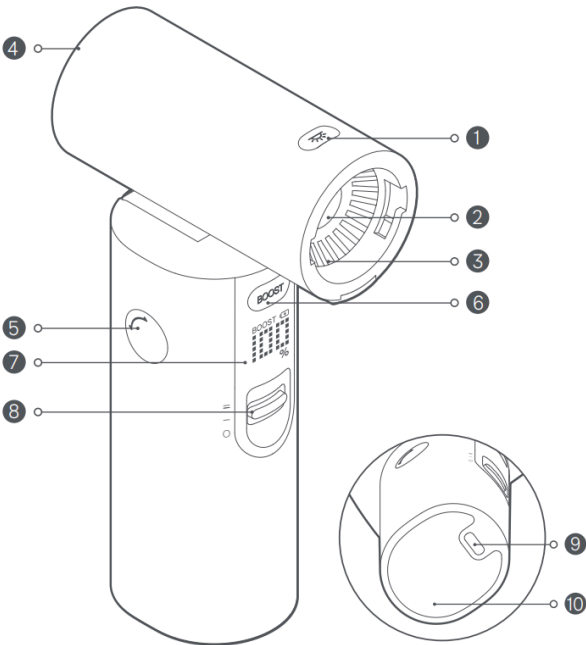
Boost Switch
- 7

Display
- 8

I, II, O Switch
- 9

Type-C Charging Port
- 10

Magnetic Base



## 03 Instructions for Use

### Charging

Please fully charge the product before first use. Use a compliant charging cable and an adapter that matches the product's rated power.

- **Rated Input:** 5V $\overline{\text{---}}$  3A
- **Charging Time:** Approx. 3 hours (depending on the charger used)
- **Note:** A power adapter is not included. Please purchase a certified 5V/3A USB adapter.

### During charging:

- The screen lights up and displays the charging progress from 0% to 100%.
- The battery icon flashes.
- The product cannot be turned on or used while charging.

### Charging complete:

- The screen stays on for 30 seconds and then turns off automatically.

### Battery Care & Safety:

- Charge the product promptly when the battery is low.
- Avoid overcharging or over-discharging to preserve battery life.
- The device must only be supplied with Safety Extra Low Voltage (SELV).

### Power On / Power Off / Gear Switch

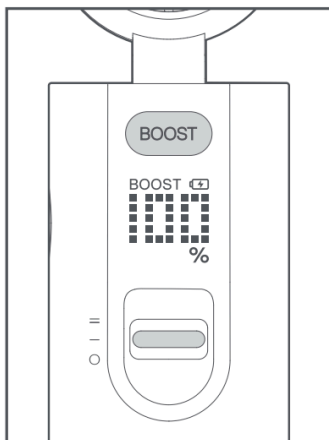
Slide the switch on the handle to turn on the device. You can then toggle between ECO (—), Standard (=), or Off (O).

The display will light up to show the remaining battery percentage.

### BOOST mode

When the unit is powered on, press the BOOST button to enter Boost mode for maximum suction. The BOOST indicator on the display will light up.

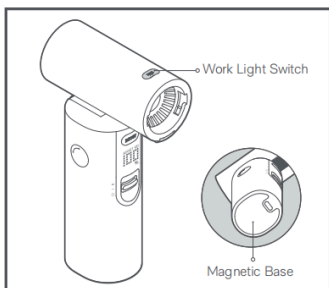
To exit Boost mode, press the BOOST button again; the indicator will turn off.



## Worklight mode

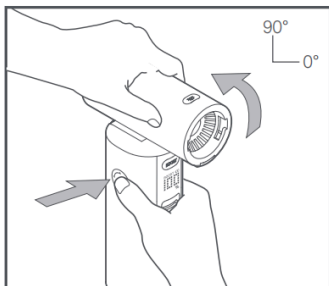
Briefly press the Work Light Button on top of the device to turn on the light. The display will light up to show the remaining battery level.

The light can be used simultaneously with the dust-blowing function, or independently as a work light. A magnet is built into the bottom of the device, allowing it to attach securely to magnetic metal surfaces (such as a car trunk lid) for convenient, hands-free lighting.

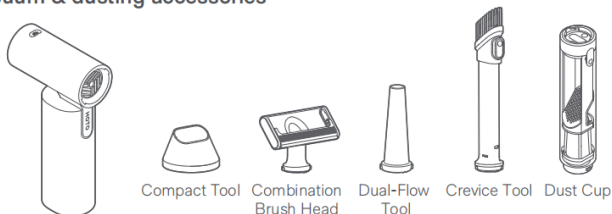


## Folding

Press and hold the folding lock button to unfold the device for use or fold it for storage. When the light is on, you can also adjust the lighting angle by rotating the device's head (from 0° to 90°).

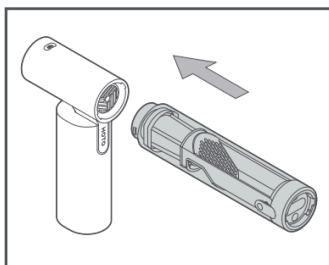


## Vacuum & dusting accessories



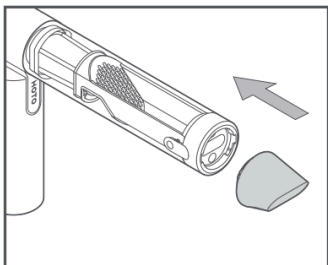
## Installing the Dust Cup

1. Align the unlocking icon (  ) on the dust cup with the dot indicator on the device body.
2. Insert the dust cup and rotate it clockwise until it locks into place.
3. Once installed, the locking icon on the dust cup will align with the dot indicator on the device body.
4. To remove the dust cup, simply rotate it counterclockwise and pull it out.



### Installation of the Compact Tool

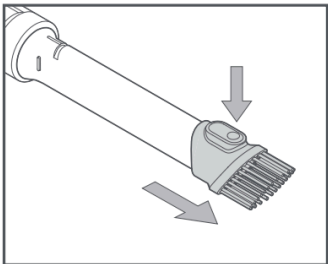
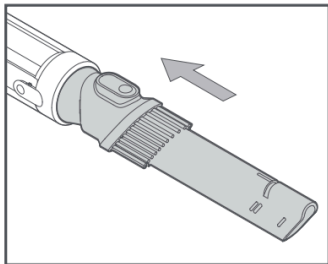
Align the tab on the Compact Tool with the groove on the rim of the dust cup. Insert the tool and rotate it clockwise until it locks securely into place. To remove, rotate it counterclockwise and pull it out.



### Installation of the Crevice Tool

Align the raised guide ring of the Crevice Tool with the groove on the rim of the dust cup. Insert the tool and rotate it clockwise until it locks securely into place.

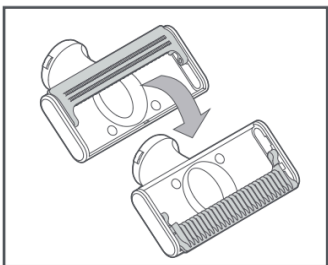
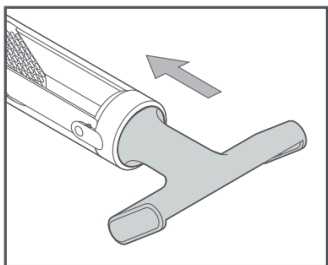
- **Adjusting the Brush:** The integrated brush nozzle can slide back and forth along the shaft.
- **Removal:** Hold the crevice tool, rotate it counterclockwise, and pull it out.



### Installation of the Combination Brush Head

Align the tab on the Combination Brush Head with the groove on the rim of the dust cup. Insert the brush head and rotate it clockwise until it locks securely into place.

The brush nozzle can be flipped or rotated to adapt to different cleaning scenarios. To remove, hold the brush head, rotate it counterclockwise, and pull it out.



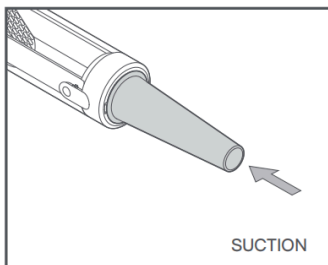
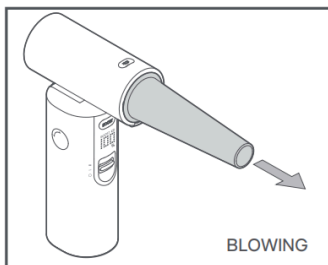
## Installation of the Dual-Flow Tool

- For blowing: Align the locating tab on the Fine Air Nozzle with the groove at the air outlet. Insert the nozzle and turn it clockwise until it is fully engaged.
- For vacuuming: Install the dust cup first. Align the locating tab on the Fine Air Nozzle with the groove on the rim of the dust cup. Insert the nozzle and turn it clockwise until it is fully engaged.
- To remove the Fine Air Nozzle, turn it counterclockwise.

### Caution

Always install the dust cup before vacuuming.

Do not operate the product in suction mode without the dust cup installed. Fine dust may enter the product and cause damage.



## Inflating



Inflation Adapter



Dual-Flow Tool

### Installation of the Inflation Adapter

- Align the locating tab on the Inflation Nozzle (Swim Ring Nozzle) with the groove at the air outlet. Insert the nozzle and turn it clockwise until it is fully engaged.
- To remove the nozzle, turn it counterclockwise.

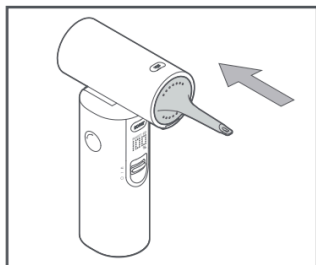
### Caution

Use caution when the maximum permitted pressure of the inflatable item is lower than the product maximum inflation pressure. Do not overinflate.

### Deflating / Vacuum Sealing

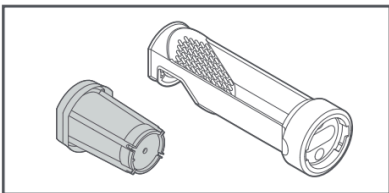
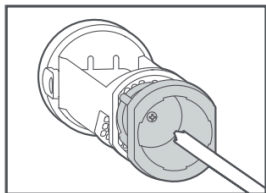
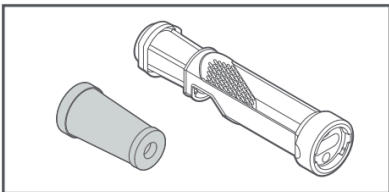
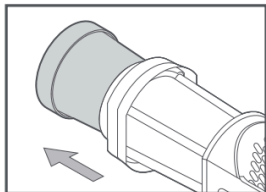
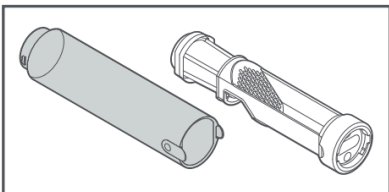
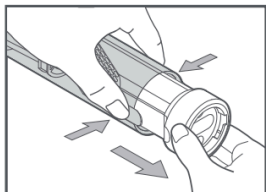
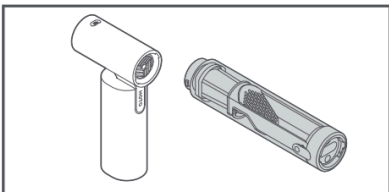
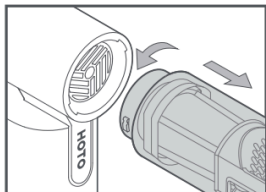
Press the air inlet firmly against the valve opening of a vacuum bag. Alternatively, attach the Inflation Nozzle to the air inlet.

Use the product only with compatible vacuum bags or inflatable products, and monitor the process until the desired air removal is achieved.



## Cleaning and Maintenance

1. Remove the dust cup.
2. Remove the filter system from inside the dust cup.
3. Disassemble the filter system:
  - Remove the filter from the bottom of the filter system.
  - Use a screwdriver to remove the screw, then remove the metal pre-filter from the filter system.
4. Rinse the filter system, metal pre-filter, and filter with clean water.
5. Allow all washed components to dry completely before reassembly.
6. Reinstall the filter components in the dust cup. Refit the dust cup before using the product.



### Important Notes:

- The air inlet and the main body are not waterproof. Do not allow water to enter the main body.
- Do not use the product until the filter system and all washed components are completely dry.
- For optimum performance, replace the filter approximately every three months, depending on frequency of use.

# 04 Screen Display



- Lighting
- Flashing

|                                  |       |                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BOOST mode                       | BOOST | The device is operating in Boost mode.                                                                                                                                                                                                                                                                                                                                           |
| During use                       |       | The screen displays the remaining battery percentage in real time.                                                                                                                                                                                                                                                                                                               |
| Charging                         |       | <p><b>During charging:</b></p> <ul style="list-style-type: none"><li>The screen displays the charging progress from 0% to 100%.</li><li>The battery icon flashes.</li><li>Do not use the product while charging.</li></ul> <p><b>Charging complete:</b></p> <ul style="list-style-type: none"><li>The screen stays on for 30 seconds and then turns off automatically.</li></ul> |
| Over-temperature during charging |       | Abnormal battery cell temperature detected during charging.                                                                                                                                                                                                                                                                                                                      |
| Error                            |       | Motor fault (e.g., short circuit, locked rotor, or overcurrent).                                                                                                                                                                                                                                                                                                                 |
|                                  |       | Over-temperature or under-temperature protection activated during discharging; the unit will shut down automatically.                                                                                                                                                                                                                                                            |
|                                  |       | Motor control board over-temperature protection activated; the unit will shut down automatically.                                                                                                                                                                                                                                                                                |
|                                  |       | Battery pack control board communication error.                                                                                                                                                                                                                                                                                                                                  |
|                                  |       | Component failure caused by water ingress or other abnormal conditions.                                                                                                                                                                                                                                                                                                          |

# 05 Troubleshooting

| Issues                                   | Possible Causes                                                                                                                                                                                  | Solutions                                                                                                                                                                         |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Vacuum cleaner does not work             | <div>1. Depleted or low battery.</div> <div>2. Blocked airways or clogged filter.</div> <div>3. Blockage-induced overheating, activating the thermal protection system.</div>                    | <div>1. Fully charge the device before use.</div> <div>2. Clear the airways and wash the filter.</div> <div>3. Allow the main unit to cool down completely, then try again.</div> |
| Reduced suction power                    | <div>1. Dust cup is full or filter is clogged.</div> <div>2. Blockage in the suction nozzle or other accessories.</div>                                                                          | <div>1. Empty the dust cup and clean the filter.</div> <div>2. Clear any blockages from the accessories.</div>                                                                    |
| Short runtime                            | <div>1. Battery is not fully charged.</div> <div>2. Dust cup is full or filter is clogged (causing motor to draw more power).</div> <div>3. Blockage in the suction nozzle or accessories.</div> | <div>1. Fully charge the device before use.</div> <div>2. Empty the dust cup and clean the filter.</div> <div>3. Clear any blockages from the accessories.</div>                  |
| Abnormal noise during operation          | Foreign objects trapped in the dust cup or suction nozzle.                                                                                                                                       | Remove foreign objects and clear blockages from the dust cup or suction nozzle.                                                                                                   |
| Screen does not light up during charging | <div>1. Device and charging cable are not securely connected.</div> <div>2. Battery is fully charged and the screen has entered sleep mode.</div>                                                | <div>1. Check and ensure the charger and cable are securely connected.</div> <div>2. Reconnect the cable and check if the charging indicator lights up.</div>                     |
| Slow charging                            | Battery temperature is too high or too low.                                                                                                                                                      | Allow the battery to return to normal room temperature before charging.                                                                                                           |



# 06 Specifications

Name:

HOTO PenVac Pivot Air Duster & Vacuum

Model: QWCXA013

Item Dimensions: Approx. 6.66 in × 3.63 in × 1.71 in / 169.1 mm × 92.2 mm × 43.4 mm (bare machine, without accessories)

Net Weight: Approx. 358 g (0.79 lb)

Color: Grey

Max Suction: 15000 Pa

Operating Temperature: 0°C to 40°C

Charging Temperature: 5°C to 40°C

Storage Temperature: -10°C to 45°C

Battery Type: Lithium-ion battery

Rated Capacity: 2400mAh

Typical Capacity: 2500mAh

Sound Pressure Level: Approx. 78dB(A)

Rated Input: 5V --- 3A

Rated Power: 90W

Rated Voltage: 7.2V ---

Charging Port: Type-C

Charging Time: Approx. 3 hours

# 07 Regulatory Compliance Information

## Federal Communications Commission Suppliers' Declaration of Conformity

This supplier's declaration of conformity is hereby for

Product: HOTO PenVac Pivot Air Duster & Vacuum

Model Number(s): QWCXA013

Brand/Trade: HOTO

We declare that the above mentioned device has been tested and found in compliance with CFR 47 Part 15 Regulation.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Representative of Responsible Party for SDoC

Company: HOTO (US) TECHNOLOGY CO LTD

Address: 919 North Market Street, Suite 950, Wilmington DE 19801

Country: U.S.A.

Customer Service(US): +1 855-577-2659    service@hototools.com

Mon-Fri 9: 00am-5: 00pm(CST)

Language spoken: English

FCC Warning:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Designed by **HOTO**