



AIR PURIFIER MODEL SOTO-Y6

Operation Manual

Before operating the system, please read this manual thoroughly, and retain it for future reference.

SOTC 

CONTENTS

CONSUMER LIMITED WARRANTY	04
SAFETY PRECAUTIONS	05
STRUCTURE AND MAIN PARTS	06
HOW IT WORKS	07
INSTALLATION	08
OPERATION	09-11
Control Display Panel	<u>10</u>
Remote Control	<u>11</u>
CARE AND MAINTENANCE	12-13
Replacement of the HEPA Filter	<u>12</u>
Replacement of the Activated Carbon Filter	<u>13</u>
Replacement of the UV Lamp	<u>13</u>
TROUBLESHOOTING	14
SPECIFICATIONS	15

CONSUMER LIMITED WARRANTY

SOTO provides the following limited warranty for this device solely if it was originally purchased from SOTO or an authorized dealer.

SOTO warrants that, under normal use and proper maintenance, the device shall be free from defects in materials and workmanship throughout the applicable warranty period. Should any such defects be identified during this period, SOTO reserves the right, at its sole discretion, to repair or replace the device in accordance with the terms specified herein.

SOTO will repair or replace, free of charge, to the original purchaser, any part that is found to be defective in material or workmanship within one (1) year of the date of purchase. This limited warranty does not cover the replacement of expendable or consumable parts such as UV lamps, and other parts subject to normal wear unless they are defective in material or workmanship.

This Warranty Shall Not be Applicable If:

1. Any defects caused or repairs required because of abusive operation, negligence, accident, improper installation or inappropriate use as outlined in the operation manual.
2. Any product tampered with modified, adjusted or repaired by any party other than SOTO.
3. Damaged caused or repairs because of the use with items not specified or approved by SOTO.
4. Any damage caused by external or environmental conditions (such as a fire or an earthquake), including but not limited to the use of voltage other than indicated on the product.
5. Damage caused by incorrect electrical supply, voltage fluctuations, or use of power sources not specified on the product label.
6. Shipping damage occurring after delivery unless otherwise agreed in writing.
7. In situations where the product information fails to correspond to the product, or where adequate valid documentation is absent to prove that the defective product originated from SOTO or an authorized distributor.

SAFETY PRECAUTIONS

To minimize the risk of electric shock, fire, or personal injury, please carefully read and adhere to the following instructions.

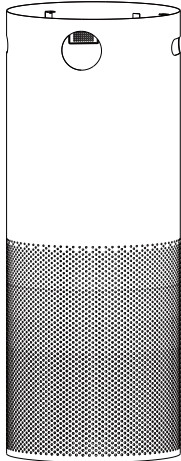
Guidelines for the Operating Environment

1. Use only a 220–240V outlet equipped with a grounded receptacle.
2. Do not operate the unit in enclosed spaces containing flammable, explosive, or toxic vapors, such as those emitted by oil-based paints, paint thinners, or certain mothproofing agents, as this may pose a risk of fire or explosion.
3. Do not operate the unit in excessively high temperatures or humid environments. The optimal operating conditions are a temperature range of 0~40 °C and a relative humidity below 75%.

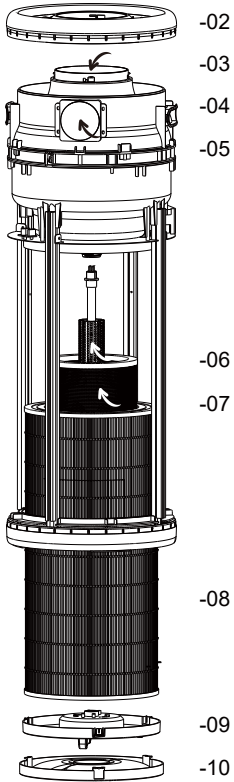
Operation of the Device

1. Do not operate the unit without first installing the filters. Ensure that all plastic packaging materials are completely removed from the filters prior to operation.
2. The HEPA filter and activated carbon filter should not be washed or reused.
3. Do not operate the unit if the power cord or plug is damaged, or if the connection to the wall outlet is loose.
4. Avoid handling electrical outlets or plugs with wet hands, as this may result in electric shock or fire hazards.
5. Do not disassemble the device unless you are a certified technician, as there is a risk of fire or electric shock.
6. When conducting maintenance, ensure the unit is powered off and disconnected from the power supply.
7. Do not insert fingers or any foreign objects into the air intake or exhaust outlet.
8. Keep hair, loose clothing, fingers, and all other body parts clear of openings and moving components.
9. Avoid direct exposure to UV lamps, as germicidal ultraviolet radiation may result in temporary or permanent eye damage, including the risk of blindness.
10. Do not clean the device with flammable substances, as this may pose a fire hazard.

STRUCTURE AND MAIN PARTS



-01



-02

-03

-04

-05

-06

-07

-08

-09

-10

01 Metal Enclosure

02 Air Outlet

03 Sensor Panel

04 Fan Motor System

05 Display Control Panel

06 UV-Photocatalytic System

07 Activated Carbon Filter

08 HEPA Filter

09 Filter Clamp

10 Bottom Plate

HOW IT WORKS

The device is primarily composed of a fan motor system, a filtration system, and a UV-photocatalytic oxidation (UV-PCO) system. During operation, the fan motor draws indoor air into the unit through an inlet located at the base, where it sequentially passes through the filter assembly and the UV-PCO system for purification and disinfection. The pre-filter and HEPA filter are designed to capture both large particles and fine particulate matter with diameters of 0.3 microns and above, while the activated carbon filter effectively adsorbs and removes harmful gaseous pollutants. The UV-PCO system, centrally integrated within the filtration system, helps inactivate airborne microorganisms and decomposes certain airborne chemical compounds. Furthermore, negative ion generators positioned near the air outlet release negative ions into the surrounding air, helping to improve air quality and contribute to a cleaner and fresher indoor environment.

Features

1. High-performance DC Brushless Motor: The system integrates a high-quality DC brushless motor with a centrifugal fan, delivering low noise levels and high airflow output performance.
2. Filtration System: The device's filtration system incorporates a high-efficiency HEPA filter with a separate activated carbon filter. The innovative design featuring separate HEPA and activated carbon filter enables individual replacement. This is more cost-effective and prevents unpleasant odor.
3. UV-PCO System: The UV-Photo system maximizes air purification and disinfection performance.
4. Negative Ions: Negative ions play a significant role in improving and purifying indoor air quality.
5. Integrated Multiple Sensors: Equipped with multiple sensors, the device can accurately monitor and display real-time air quality conditions.
6. Supports Multiple Operational Modes: The hand gesture operation function helps reduce contact and minimize the risk of cross-contamination among users. The RF remote control supports through-wall operation, while the mobile application enables intelligent remote control and scheduled operation settings.

INSTALLATION

Operational Environment

1. Power Supply Condition: Use only a 220–240V outlet equipped with a grounding wire receptacle.
2. Environmental Conditions: Temperature range of 0°C to 40°C; Relative humidity below 75%.
3. Device Placement: The device must be placed on a stable and level surface during operation.
4. The device is intended for indoor use only and should be placed on a stable, level surface against a wall in a suitable location. Do not operate the device in environments containing flammable, explosive, or otherwise hazardous gases.

Before Operation

1. Please verify that the device and all accompanying components are complete and in satisfactory condition upon receipt. In the event of any missing or damaged items, please contact the customer service center without delay.
2. *Before operating the device for the first time, it is necessary to remove the plastic packaging from both the HEPA and activated carbon filters located inside the device.* The operational procedures are outlined as follows.
 - A. Carefully invert the unit, ensuring that an appropriate soft padding has been placed on the ground beforehand to prevent any potential damage to the device during handling. Rotate the bottom plate counterclockwise to open it. After removal of the bottom plate, gently detach the filter clamp. Remove the HEPA filter and activated carbon filter, then carefully remove the protective plastic covering.
 - B. Reinstall the HEPA filter and activated carbon filter into the unit. Align the blue arrow on the filter with the corresponding blue arrow on the unit, then rotate the filter clamp clockwise until the blue arrow is aligned with the letter C on the bottom of the unit. Finally, install the bottom plate by rotating it clockwise into place.

OPERATION 1 HAND GESTURE OPERATION

The device is equipped with an innovative hand gesture control system. To operate the device, connect the power cord and perform a hand gesture over the sensor panel. This motion enables power control and fan speed adjustment.

1. The operating speed for the first wave will be set to low (L).
2. In the second wave, the speed will be adjusted to medium (M).
3. Upon the third wave, the system will operate at high speed (H).
4. During the fourth wave, the speed will be increased to Turbo mode, with all circular indicators fully illuminated.
5. For the fifth wave, the "AUTO" indicator will illuminate, indicating that the system is operating in automatic mode.
6. During the sixth wave, the first circular indicator will turn ice blue, indicating that the system has entered Standby mode.

Auto Mode

In Auto mode, the device automatically adjusts its operating speed in response to the concentration levels of airborne pollutants detected by the built-in sensors.

Lock and Unlock the Buttons

Hover your hand over the sensor panel and maintain a consistent position to lock the device at the desired speed. To deactivate this locking function, repeat the above procedure.



Hand Gesture Operation

OPERATION 2 TOUCHSCREEN BUTTON OPERATION

If the device remains inactive for one minute, the POWER button and digital display will remain illuminated while all other indicator lights will turn off, entering screensaver mode.

Touchscreen Buttons

1. Power Button: Press the power button to turn the unit on or off. After replacing the filters and UV lamp, press and hold the power button to reset the service life indicators.
2. Timer Button: Press the timer button to set the desired operating duration. The timer setting will cycle sequentially through the following options: 1 hour, 2 hours, 4 hours, and C2 (Cycle Mode), after which timing is canceled.
3. Light Button: Upon pressing the light button, all indicator lights on the display panel will automatically turn off.

Indoor Air Quality Level Display

The circular indicator light surrounding the display panel provides a visual representation of indoor air quality through color variations: Blue indicates good air quality, orange indicates unhealthy conditions, and red indicates hazardous levels.



OPERATION 3 REMOTE CONTROL AND MOBILE APPLICATION

This device is equipped with a radio frequency (RF) remote control. Prior to operation, the remote control must be individually configured with the device to ensure proper functionality.

Configuration Process

Upon connecting the device to a power source, press and hold the POWER button on the remote control until the indicator light in the upper left corner flashes red, indicating that the configuration process has been successfully completed.

Remote Control Buttons

1. Timer Button: Each press of the button sequentially cycles through the following time settings: 1 hour, 2 hours, 4 hours, C2 (Cycle Mode), and Cancel.
2. Reset Button: After replacing the filters or the UV lamp, press the button three times consecutively to reset the service life indicator.

Mobile Phone Application Control

The device supports Wi-Fi connectivity and allows for remote control through a mobile application. For detailed operational instructions, please refer to the **Tuya Application User Manual**.



CARE AND MAINTENANCE 1

To ensure optimal performance of air purification, the HEPA filter, activated carbon filter, and UV lamp should be replaced promptly when the corresponding indicator lights on the sensor panel begin to flash. Before performing any maintenance on the unit, always disconnect the power by unplugging the power cord. Never handle the power plug with wet hands, as this may result in electric shock or personal injury.

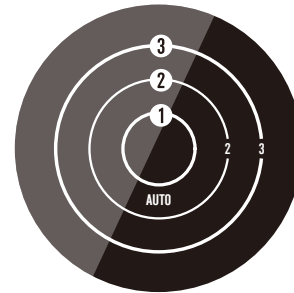
Regular Maintenance

It is recommended to gently remove stains or dirt using a soft cloth. The use of volatile solvents, benzene-containing substances, paint thinners, and polishing powders is strictly prohibited, as these materials may damage the device surface. During cleaning, ensure the device is kept away from water sources to prevent liquid ingress into the interior.

Replacement of the HEPA Filter

When the third circular indicator on the sensor panel begins to flash, the HEPA filter should be replaced promptly.

1. Stop the operation and disconnect the power cord. Place the device upside down on a flat, stable surface covered with a soft cloth, then gently remove the bottom plate to access and detach the filter clamp.
2. Remove the used HEPA filter and install a new one.
3. After replacing the HEPA filter, reconnect the power cord and power on the device, press and hold the POWER button to reset the HEPA filter service life indicator.



When the first circular indicator flashes, the UV lamp should be replaced, the second circular indicator signifies that the activated carbon filter needs replacement, and the third circular indicator indicates the need to replace the HEPA filter.

After replacing the filters and UV lamp, ensure to press and hold the POWER button to reset the service life indicators.

CARE AND MAINTENANCE 2

Replacement of the Activated Carbon Filter

When the second circular indicator on the sensor panel starts flashing, the activated carbon filter should be replaced promptly.

1. Turn off the device and disconnect the power cord. Place the device upside down on a flat surface protected by a soft cloth, then carefully remove the bottom panel to release the filter clamp.
2. Remove the used activated carbon filter and replace it with a new one.
3. After replacing the activated carbon filter, reconnect the power cord, power on the device, and press and hold the POWER button to reset the activated carbon filter service life indicator.

Replacement of the UV Lamp

When the first circular indicator light on the sensor panel starts flashing, the UV lamp should be replaced.

1. Turn off the device and unplug the power cord. Place the device upside down on a flat, stable surface lined with a soft cloth, and carefully remove the bottom plate to access and detach the filter clamp.
2. After removing the filters, replace the UV lamp as shown in the figures on the right.
3. After replacing the UV lamp, reconnect the power cord, power on the device, and press and hold the POWER button to reset the UV lamp service life indicator.



1. After removing all filters, carefully unscrew the photocatalytic cover by rotating it counterclockwise.



2. Rotate the UV lamp holder counterclockwise to unscrew it, then gently remove the UV lamp by lifting it vertically upward.

TROUBLESHOOTING

Many service issues that seem serious can often be fixed with simple steps. Try troubleshooting using this guide first. For all other repairs, contact an authorized service center.

1. The Device is Not Functioning

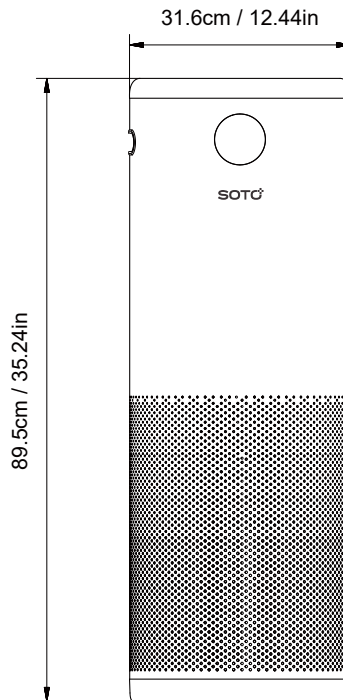
Please ensure that the device is securely connected to the power source. If the connection between the power cord and the device appears to be functioning correctly, verify the operation of nearby electrical appliances to assess the stability of the power supply. In the event of a suspected power cord malfunction, it is advisable to promptly contact an authorized service center for replacement.

2. The Purification and Disinfection Performance of the Device is Suboptimal

Please inspect the filter surface for any significant dust accumulation and verify whether the filters or UV lamp have been replaced in accordance with the prescribed maintenance schedule. If required, clean the filter surfaces and replace the filters or UV lamp as necessary.

SPECIFICATIONS

Product Name	Air Purifier
Model No.	SOTO-Y6
Power Req	220-240V, 50/60Hz
Rated Power	73W
UV Lamp	10W / UV-C, 254nm
Negative Ion	2x3x10 ⁶ /cm ³
Dimensions	Φ31.6cmxH89.5cm
Weight	14.5kg / 31.97lb
Power Cord	2.5m
Operation	Hand Gesture Control / Button RF Remote Control / App
Display	PM2.5 / TVOC / Speed / Timer WiFi / TEMP / RH / Button Lock Filters & UV Lamp Replacement Notification



SOTO AIR PURIFICATION TECHNOLOGY (LANGFANG) CO., LTD.

Add: Certification Industrial Park, Dachang, Langfang City,
Hebei Province, China

Customer service: +86 400-626-8883

E-mail: customerservice@soto.com.cn

Web: www.soto.cn



Version 1.0