

# Shinco®

## Air purifier user manual SAD-2401



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# SAFETY WARNINGS

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CAUTION: FAILURE TO FOLLOW THESE PRECAUTIONS COULD  
RESULT IN PERSONAL INJURY, AND/OR DAMAGE TO PROPERTY.

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1. Please read this user manual carefully before using the appliance and save it for future reference.
2. Do not clean the appliance with water or any other liquid or (flammable) detergent to avoid electric shock and/or fire hazard.
3. Check if the voltage indicated on the rating label corresponds to the local mains voltage before you connect the appliance.
4. Do not use the appliance if the plug, the power cable or the appliance itself is damaged. contact your Clarke dealer or similarly qualified persons to replace it in order to avoid a hazard.
5. Children should be supervised to ensure that they do not play with the appliance.
6. Do not block the air inlet and outlet, e.g. by placing items on the air outlet or in front of the air inlet.
7. This appliance is not a substitute for the proper ventilation, regular vacuum cleaning or use of an extractor hood or fan while cooking.
8. If the wall socket used to power the appliance has poor connections, the plug of the appliance could become hot. Make sure you plug the appliance into a properly connected wall socket.
9. Always place and use the appliance on a dry, stable, and level surface.
10. Leave at least 20 cm free space behind and on both sides of the appliance and leave at least 30 cm free space above.
11. Do not place anything on top of the appliance and do not sit on it.
12. Do not place the appliance where condensation could drip onto it.
13. Ensure all filters are properly installed before switching on the appliance..
14. Always lift or move the appliance by the handle at the rear.
15. Do not insert foreign objects into the air outlet.
16. Do not use this appliance when you have used indoor smoke-type insect repellents or in places with oily residues, burning incense or chemical fumes.

17. Do not use near gas appliances, heaters or fireplaces.
18. Always unplug the appliance after use and before you clean it.
19. Do not use in a room with major temperature changes as this may cause condensation inside the appliance.
20. To prevent interference, place the appliance at least 2 m away from electrical appliances that use airborne radio waves such as TVs, radios and radio-controlled clocks.
21. The appliance is only intended for household use under normal operating conditions.
22. Do not use the appliance in wet surroundings or in surroundings with high ambient temperatures, such as the bathroom, toilet or kitchen.
23. The appliance does not remove carbon monoxide (CO) or radon (Rn). It cannot be used as a safety device in case of accidents with combustion processes and hazardous chemicals.

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# OVERVIEW

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## THE FILTRATION SYSTEM

The air purifier uses a multi-stage filtration system to achieve high air quality:

### STAGE 1: PRE-FILTER

The pre-filter has been treated with antibacterial substances and captures large particles such as human and pet hair etc.

### STAGE 2: 3 in 1

This filter has included activated carbon filter, HEPA filter, and multi-function filter.

1. it could prevent dust, pollen, mold
2. it could prevent pet odors, tobacco smoke, cooking odors

## THE CONTROL SYSTEM

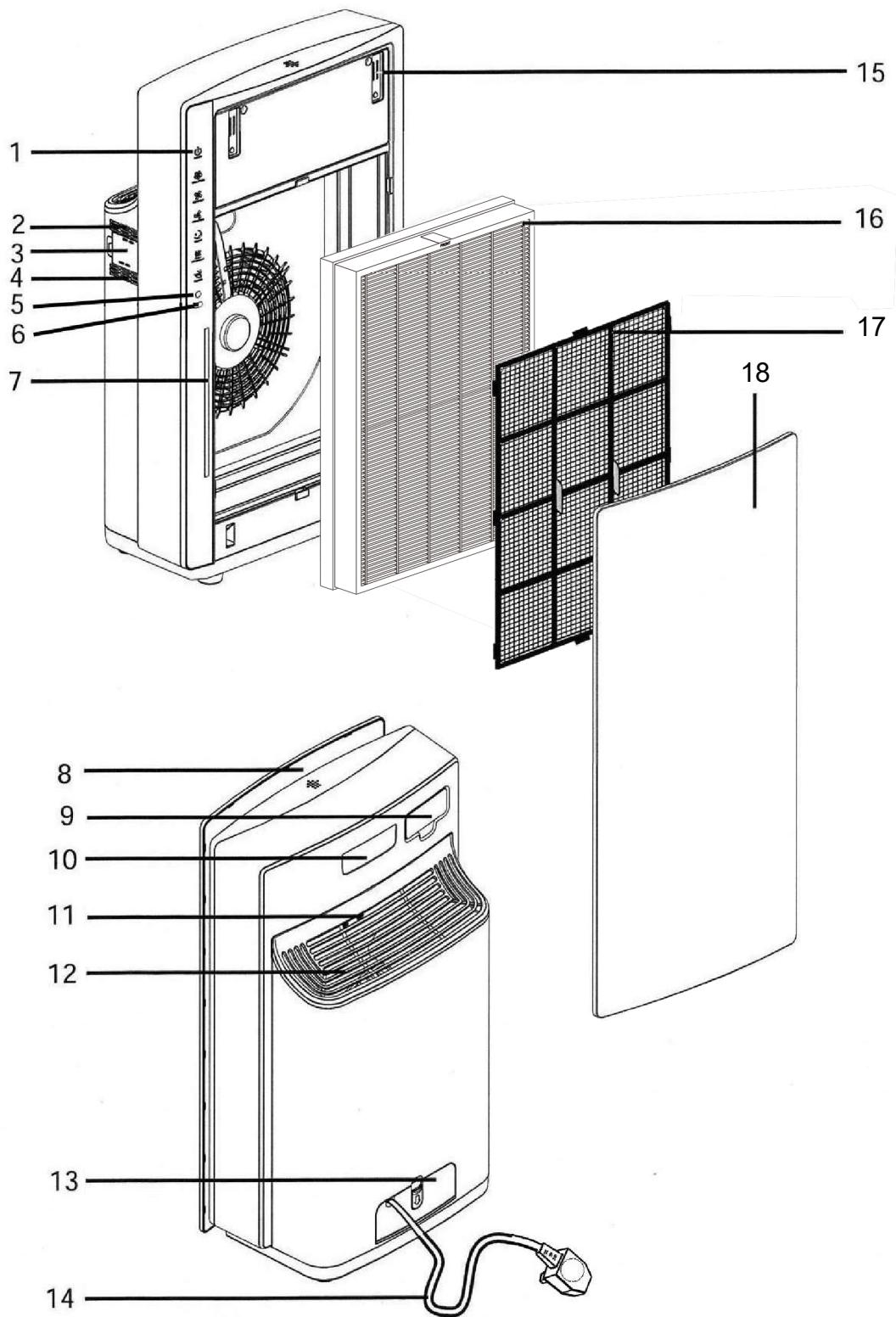
The control system automatically adjusts the operation in response to pollutant changes detected in the air. The visual display on the front of the appliance changes colour to indicate the air quality detected: blue being the cleanest level, ranging through green to red, indicating poor air quality.

The light sensitive Auto mode operation re-sets the appliance to run quietly at night and adjusts airflow while people are sleeping. It then adjusts to Day mode when light is detected.

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## DESIGN FEATURES

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## **DESIGN FEATURES**

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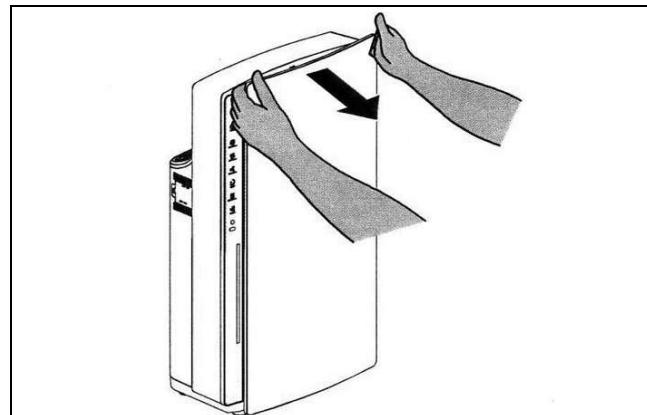
<b>NO</b>	<b>DESCRIPTION</b>
1	Control Panel
2	Air Quality sensor outlet
3	Air Quality sensor panel
4	Air Quality sensor inlet
5	Light Sensor
6	Remote control receiver
7	Air Quality display
8	Air inlet (around four sides)
9	Remote controller
10	Handle
11	Plasma filter
12	Air outlet
13	Power cable storage facility
14	Mains power cable
15	Panel on/off interlock switch
16	3 in 1 filter
17	Pre-filter
18	Removable front panel

## INSTALLING THE FILTERS

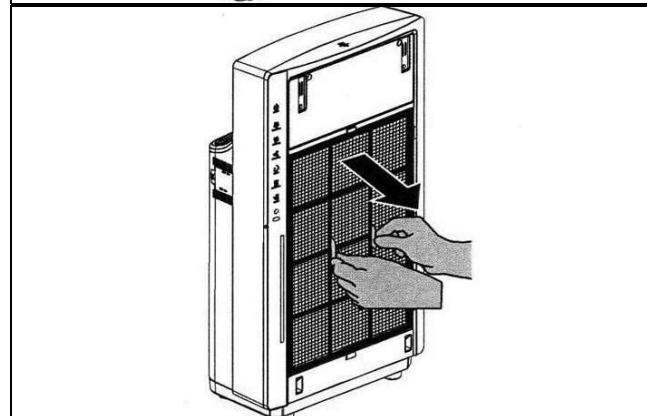
The appliance comes with all filters fitted inside, but you must remove the packaging from each one before using the appliance. Remove the filters, discard the packaging and re-fit to the appliance as follows:

**NOTE:** Make sure you insert each filter in the correct position.

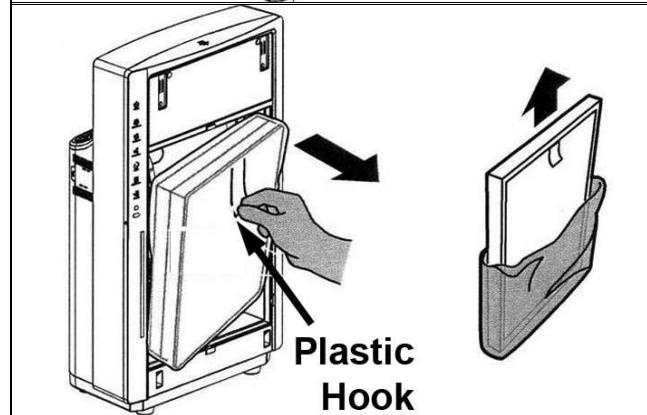
1. Gently pull the top of the front panel towards you before lifting the hooks at the bottom of the panel away from the bottom of the appliance.



2. Remove the pre-filter by gripping the two flanges and pulling the filter towards you.

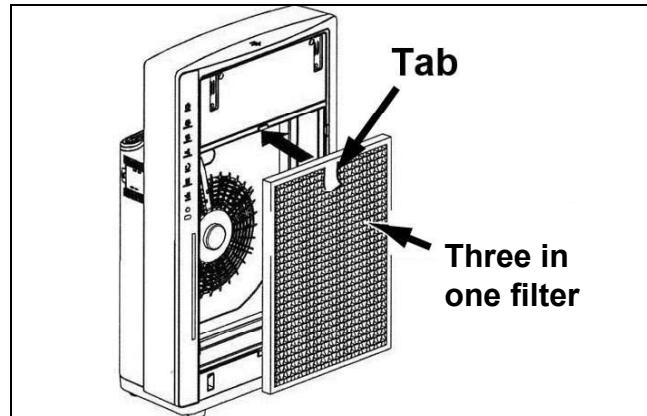


3. Remove all packing material from the new filters.



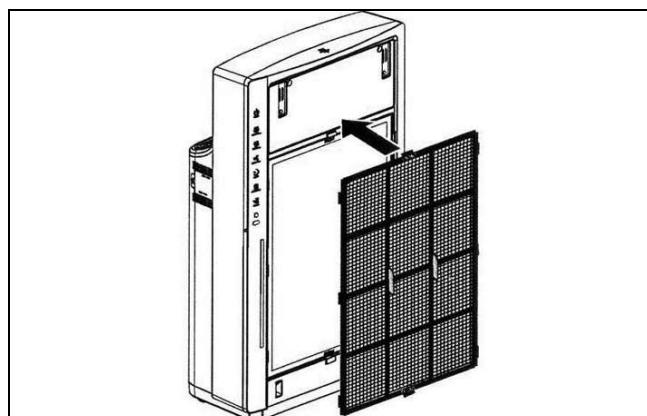
4. Refit the three in one filter into the appliance.

**NOTE:** Ensure that the side with the tab is pointing towards you.

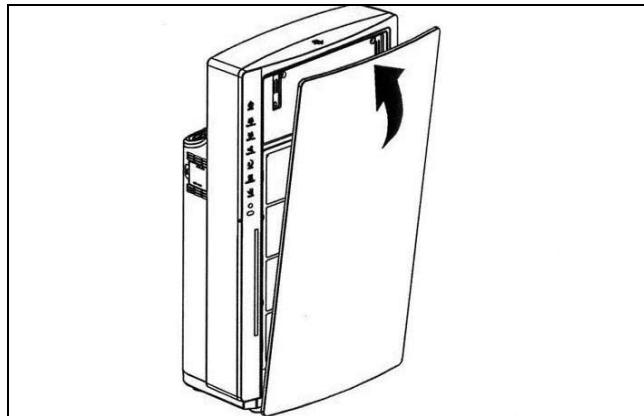


5. Refit the pre-filter back into the appliance.

**NOTE:** Ensure that the side with the tab is pointing towards you.



6. To re-attach the front panel, insert the bottom hooks into the bottom of the appliance, then press the panel against the body of the appliance.
  - The appliance will not operate without the front panel in its correct position.



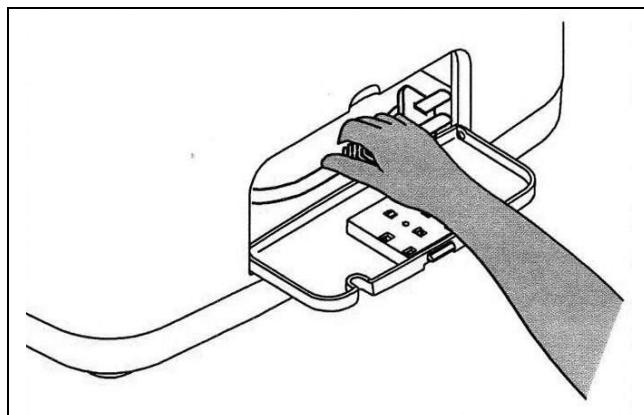
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## ACCESSORY STORAGE

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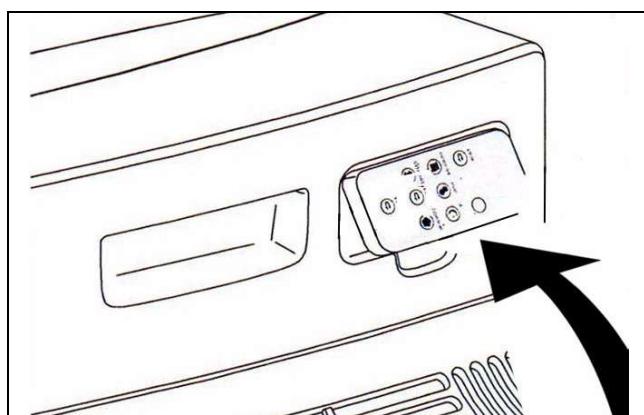
### POWER CABLE STORAGE

1. Push down the arrowhead on the flap to open the compartment and remove the power cable.
2. Extend the cable and close the flap with the cable passing through the gap provided in the flap.
3. Always store the cable in the compartment when not in use.



### REMOTE CONTROL STORAGE

1. Remove the remote control from its magnetic storage compartment if required. It should be stored here when not in use.
  - The remote controller uses a single CR2032 battery which can be replaced as shown by the diagram printed on the back of the unit.



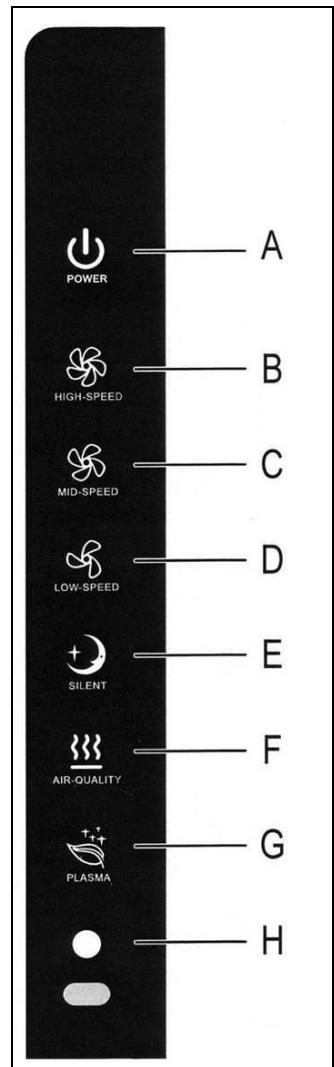
# CONTROL PANEL OPERATION

When the appliance is plugged into the power socket, the POWER button (A) lights up in red.

Press the POWER button to start the appliance and the light will change to blue. Press again to return to the standby mode.

When the appliance is running, press the appropriate indicator to select the following:

- HIGH SPEED (B). The fan will run at high speed.
- MID-SPEED (C) .The fan will run at mid speed.
- LOW-SPEED (D). The fan will run at low speed.
- SILENT-MODE (E). The unit will run at its slowest speed as for night-time running.
- AIR QUALITY (F). Press it, the appliance will show different colors to indicate different room air quality, it is detected by the Air Quality Sensor. "RED" stands for poor air quality, "Green" stands for fair air quality; "Blue" stands for very good air quality.If the Air Quality indicator flashes, it means that the filter are blockedand will need to be replaced.
- PLASMA generator (G) will be operating by default when the unit is running at one of the 3 selected speeds.
- Item H is the light sensor. Select AUTO MODE using the remote control and the appliance will detect the level of background light to select DAY or NIGHT mode automatically.



# REMOTE CONTROL OPERATION

All the controls on the machine control panel are replicated on the remote control unit with the addition of the Auto-Mode (J). Press this button to select AUTO-MODE.

When the Air Quality indicator flashes, the filters are becoming blocked and need replacement.

(See Maintenance on pages 17-19). After replacing all the filters, press the RESET button (K) on the remote control for 2- seconds and the filter service interval time will be re-set.



## OPERATING MODES

When the appliance is first plugged in, you will hear a beep, indicating that the appliance is operating normally.

If required, set the appliance running at high speed for fast initial cleaning of the air before adjusting the control to a slower speed.

### NORMAL OPERATING MODE

When the appliance is on, it will enter the NORMAL operating mode by default. Press the fan speed button (H, M, L, SILENT) as required. The operating status will be as follows:

- Press the fan speed button to adjust the fan speed as required, the related fan speed light will be on.
- The Plasma function will be operating by default. Press the 'PLASMA' button to set the plasma function on or off.
- The Air Quality indicator will be on by default. Press the 'AIR QUALITY' button to set the Air Quality indicator on or off.

### AUTO MODE

Set the appliance in Auto mode by using the 'AUTO' button in the remote control.

- The high, mid, or low fan speed indicator will all flash in turn, showing that the appliance is running in AUTO mode.

When set in AUTO mode, the appliance will switch to NIGHT or DAY Mode automatically, (DAY Mode by default) according to the light level in the room. When the light in the room is beginning to fade for more than 3 minutes, the appliance will switch to Night Mode. Likewise, when the light has become brighter for more than 5 minutes, the appliance will switch back to the Day Mode.

In DAY Mode, the operating status will be as follows:

- The Plasma function will be ON by default. Press the 'PLASMA' button to set the Plasma filter on or off.
- The Air Quality indicator will be on by default. Press the 'AIR QUALITY' button to switch the air quality indicator on or off.
- According to the air quality detected, the fan speed will be adjusted automatically. When the air quality is poor, the fan will run at high speed; if fair quality mid speed and if good, will run at low speed.

In NIGHT Mode, the operating status will be as follows:

- The Plasma function will be ON by default. Press the 'PLASMA' button to set the plasma generator on or off.
- The air quality indicator will be OFF by default. Press 'AIR QUALITY' button to press this button to make the air quality indicator on or off.
- The appliance will switch to silent mode automatically.

## AIR QUALITY INDICATION

AIR QUALITY INDICATION	
Colour	Air Quality
Blue	Very Good
Green	Fair
Red	Poor

In order to display the air quality in a precise way, the air quality is divided into 32 grades and each is displayed by corresponding colours. With changing air quality, the air quality indicator will change colour accordingly.

## ADJUSTING THE AIR QUALITY SENSOR SENSITIVITY

The appliance allows you to adjust the sensitivity of the air quality sensor for the benefit of people with allergies or asthma. When it is set to a higher sensitivity level, the appliance starts cleaning the air at lower pollution levels to make the air cleaner. There are four sensitivity levels:

- Common
- Standard
- Sensitive
- Extra Sensitive

The pollution sensor is set to 'standard' sensitivity but you can adjust the sensitivity of the air quality sensor in the following way:

1. If the appliance is already plugged in, unplug and wait for a few minutes. before plugging back in.
2. In STANDBY mode, press AIR-QUALITY + HIGH-SPEED buttons. After the buzzer sounds twice, the air quality sensor sensitivity has been set to ***extra sensitive***. This should be indicated by the corresponding indicator flashing five times and confirmed immediately after pressing the power button to turn on the appliance.
3. In STANDBY mode, press AIR-QUALITY+MID-SPEED buttons. After the buzzer sounds twice, the air quality sensor sensitivity has been set to ***sensitive*** level.
4. In STANDBY mode, press AIR-QUALITY+LOW-SPEED buttons. After the buzzer sounds twice, the air quality sensor sensitivity has been set to ***standard*** level.
5. In STANDBY mode, press AIR-QUALITY+SILENCE buttons. After the buzzer sounds twice, the air quality sensor sensitivity has been set to ***common*** level.
  - The sensitivity level can be confirmed by the corresponding indicator flashing five times immediately after pressing the power button to turn on the appliance.

**NOTE:** The appliance automatically starts operating at the pre-set sensitivity level when switched on again.

## SENSITIVITY SETTING INQUIRY

In STANDBY mode, press the air quality indicator button to check the sensor sensitivity setting. Exit after the corresponding sensitivity indicate light flashes five times or exit by pressing other buttons (except for the reset button).

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# MAINTENANCE

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**WARNING: ALWAYS UNPLUG THE APPLIANCE BEFORE PERFORMING ANY CLEANING OR MAINTENANCE OPERATIONS.**



## CLEANING

Regularly clean the body of the appliance to prevent dust from collecting.

1. Wipe away dust with a soft dry cloth from the body and air inlet area of the appliance.

***IMPORTANT: Never immerse the appliance in water or any other liquid. Never use aggressive or flammable cleaning agents such as bleach or alcohol to clean any part of the appliance.***

***IMPORTANT: Only the pre-filter is washable. The other filters should be replaced if heavily contaminated or indicated by the machine.***

### PRE-FILTER

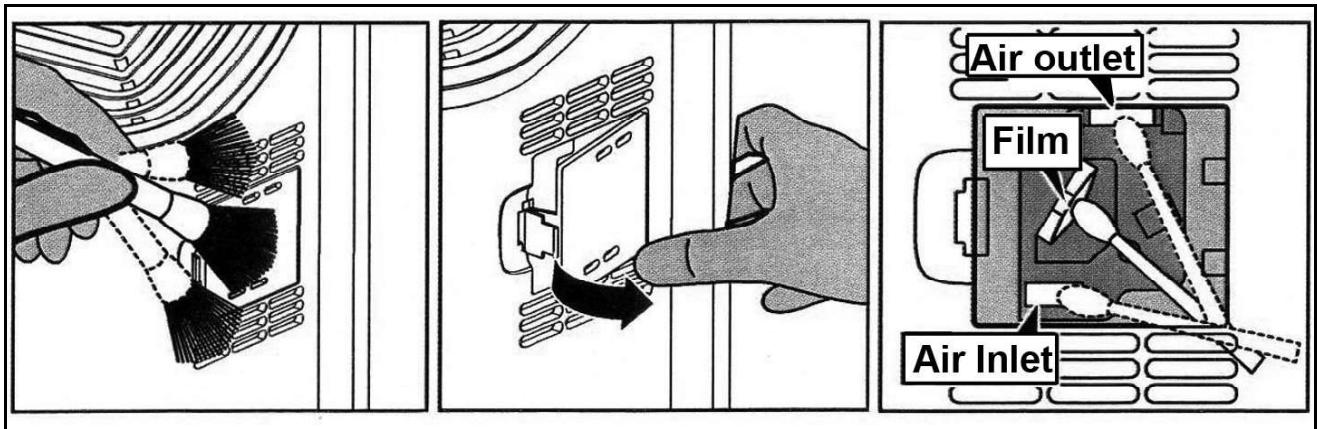
1. If the pre-filter is very dirty, use a soft brush to brush away the dust while it is dry. You can alternatively remove the dust with a vacuum cleaner.
2. Remove the pre-filter as shown on page 10 & wash under a running tap.
3. Air-dry the pre-filter and make sure it is completely dry.
4. Re-fit the pre-filter into the appliance.

### AIR QUALITY SENSOR

Clean the air quality sensor every 2 months for optimum functioning of the appliance. Clean it more frequently if you use the appliance in a dusty environment.

**NOTE:** When the humidity level in the room is very high, it is possible that condensation can develop on the air quality sensor. As a result, the AIR QUALITY light on the control panel may indicate that the air quality is poor even though the air quality is good. In this case, it is necessary to clean the air quality sensor.

1. Remove the air quality sensor cover.
2. Clean the air quality sensor, the air inlet and air outlet with a lightly moistened cotton swab.
3. Dry them with a dry cotton swab.
4. Reattach the air quality sensor cover.



## FILTER REPLACEMENT

This appliance is equipped with a feature to ensure that the filters are in good condition when the appliance is operating. When one of the filters is almost full and has to be cleaned or replaced, the 'Air Quality' light starts to flash. If you do not replace the Multi-function, HEPA and Activated Carbon filters, the appliance stops operating and is locked off.

### FIRST ALERT TO CHANGE THE FILTERS

The filter function will be relatively poor near the end of its working life. The air quality light will flash to remind the user to change the filters.

### SECOND ALERT TO CHANGE THE FILTERS

If you do not replace the filters in time after the first alert, approximately 3 weeks later the Air Quality light will flash and the buzzer sound every 30 minutes to remind you to replace the filters.

### FILTER REPLACEMENT LOCK

If you do not replace the filters in time during the first and second alerts, the appliance will be locked off. After operating for approx 3 weeks, the appliance will stop working and the Power light and Air Quality light will flash with a continuous beep.

- How long it takes before the appliance is locked out depends on the room air quality after the filter replacement alert.
- When the appliance is locked out, you will hear a beep when you press any button. You can shut down the appliance by pressing and holding the on/off button.

If the appliance is locked out:

1. Switch off the appliance and unplug it.
2. Replace the appropriate filters as follows:.

# **REPLACING THE FILTERS AND RESETTING THE APPLIANCE**

## **REPLACING THE FILTERS**

Remove and re-fit the filters as shown on page 10.

## **RESETTING THE APPLIANCE**

1. After filter replacement, plug in and turn back on.
  - The ‘Power On’ sound will be heard when the appliance reaches STANDBY status.
2. Press the RESET button on the hand controller for 2 seconds. When the buzzer sounds once, the service scheduling of the filters has been cleared and re-set. The Air Quality light will be ON, indicating that the re-set has been successful.

**NOTE:** The RESET button at the Air Quality Sensor inlet can clear the filter service schedule and restart it at any time. Do not press the Reset button when the filter replacement light is not flashing.

**NOTE:** Only replace the filters when the ‘Air Quality’ light flashes. If you replace the filters before the ‘Air Quality’ light starts flashing, the service schedule will not be reset but will continue counting the lifetime of the previous filters. As a result, the ‘Air Quality’ will start flashing and the appliance be locked off far too soon.

## TROUBLESHOOTING

Problem	Solution
No operation.	One or more of the filters have not been replaced, such that the appliance is now locked and must be reset following the installation of the new filter(s).
No air coming from the outlet.	Appliance is not switched on or plugged in.
The fan speed does not change when the AUTO mode is activated.	If the room becomes dark, the night mode is automatically activated when the appliance is in AUTO mode. In this case, the fan speed is set to a low level. To re-set the fan speed, select it manually using the Low, Medium and High buttons.
Weak airflow coming from the air outlet.	The pre-filter may be dirty and require cleaning. Packing material attached to the filters which should have been removed.
Air quality does not improve although the appliance has been running for some time.	Check all the filters have been installed in the appliance and are correctly installed in the following order: 1) Pre-filter 2) 3 in 1 filter. The Air Quality Sensor is damp. The humidity level in the room is very high and is causing condensation. Confirm that the sensor is clean and dry. The room in which you are using the appliance is too large (over 40m <sup>2</sup> ), which is the maximum recommended room size. The air quality sensor is dirty and requires
The colour of the Air Quality display remains the same.	cleaning. Insufficient ventilation in the room. Open a window to improve ventilation. Packing material still attached to the filters.
The appliance is noisy.	Check that it is all removed. The filter re-set button was not pressed after
The appliance still indicates that the filter needs replacing but this has already been done.	changing the filters. With the appliance running, press the reset button on the controller, or the reset button at the air inlet of the air quality sensor for 2 seconds.

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## **Guarantee**

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TO OBTAIN WARRANTY SERVICE:

Sales support: [service@shinco.net](mailto:service@shinco.net)

Working Time : From 8:30AM to 5:00PM Monday through Friday

WARRANTY PERIOD:

Labor: 1 Year from the Date of Purchase.

Parts: 1 Year from the Date of Purchase.

YOAU Electric Co., Ltd reserve rights to upgrade products without user notice.