

SHARP®



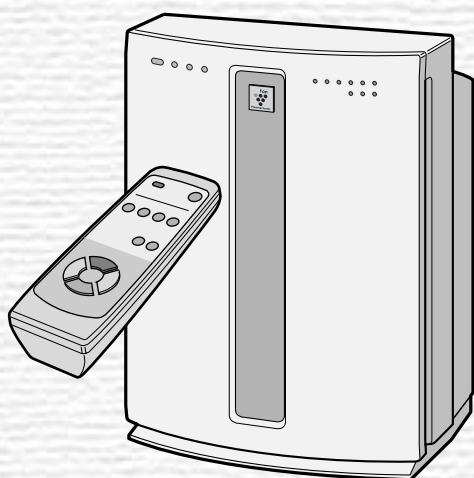
FU-P60S

AIR PURIFIER OPERATION MANUAL

空氣清新機
使用說明書

ENGLISH

中文



Free Standing
直立式

*Plasmacluster is a trademark of Sharp Corporation.

*Plasmacluster 是聲寶公司的商標

香港電器安全規格
(國際電工委員會規格適合)

FEATURES

Plasmacluster Ion Control

The unit controls the ratio of negative ions and positive ions depending on the condition of the room.

• Clean Mode

Approximately the same numbers of positive and negative ions are discharged. This mode is effective for reducing some airborne mold.

• Ion Control Mode

Plenty of negative ions exist in natural surroundings such as waterfalls or forests. In this mode, negative ions will be released in an increased rate, in order to bring the room air close to this natural environment.

• AUTO Plasmacluster Ion Mode

The unit will switch between Clean Mode and Ion Control Mode automatically depending on the amount of impurities in the air detected by the dust and odour sensors.

• SENTINEL Operation Mode

The “SENTINEL” function detects any air environment that is favourable for activation of mold, virus and allergen using its 4 sensors for dust, odour, temperature and humidity, and it releases Plasmacluster Ions to create an environment that controls the activity of airborne microbes.

• Filters

1) Pre-Filter

It collects large particles.

2) Washable Active Carbon Filter

Its deodorizing performance can be maintained by washing.

3) HEPA (High Efficiency Particulate Air) Filter with Microbial Control Filter

High-efficiency particle collection including pollen and dust.

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Thank you for purchasing the SHARP Air Purifier. Please read this manual carefully for the correct usage information. Before using this product, be sure to read the section: “Important Safety Instructions.”

After reading this manual, retain it in a convenient location for future reference.

IMPORTANT SAFETY INSTRUCTIONS

When using electrical appliances, basic safety precautions should be followed, including the following:

WARNING - To reduce the risk of electrical shock, fire or injury to persons:

- Read all instructions before using the air purifier.
- Use only a 220 volt outlet.
- **Do not use the air purifier if the power cord or plug is damaged or the connection to the wall outlet is loosen.**
- Periodically remove dust from the power plug.
- **Do not insert fingers or foreign objects into the intake or air outlet.**
- **When removing the power plug, always hold the plug and never pull the cord.**

Electrical shock and/or fire from short circuit may occur as a result.

- **Do not remove the power plug when your hands are wet.**
- **Do not use this air purifier near gas appliances or fireplaces.**
- **Remove the power plug from the wall outlet before cleaning the unit and when not using the unit.**

Electrical shock from bad insulation and/or fire from short circuit may occur as a result.

- **If the power cord is damaged, it must be replaced by the manufacturer, its service agent, Sharp authorized service or similarly qualified person in order to avoid a hazard.**
- Do not operate when using aerosol insecticides or in rooms where there is oily residue, incense, sparks from lit cigarettes, chemical fumes in the air or under a humid condition.
- Use with care when cleaning the air purifier. Strong corrosive cleansers may damage the exterior.
- Only Sharp Authorized Servicers should service this air purifier. Contact the nearest Servicer for any problems, adjustments, or repairs.
- The batteries must be removed from the remote control before disposal, and the batteries must be disposed of safely.

CAUTIONS CONCERNING OPERATION

- Do not block the intake and air outlet.
- Do not use the unit near or on hot objects, such as range or where it may come into contact with steam.
- **Always hold the handle on the back of the main unit when moving it.**
- Holding the front panel when carrying may cause it to detach, thus dropping the unit and resulting in bodily injury.
- **Do not operate the unit without the filter.**

Not only it does not improve filter performance, it may cause electric shock or malfunction.

- **Clean the exterior with a soft cloth only.**

The unit surface may be damaged or cracked.

In addition, the sensor may malfunction as a result.

REMOTE CONTROL LIMITATIONS

DO NOT USE THE REMOTE CONTROL IN THE FOLLOWING LOCATIONS:

- **Any location where there is inverter lighting equipment or electronic spontaneous lighting equipment**

The remote control may become inoperative. In this case, move away from such lighting equipment or change direction.

- **Location exposed to direct sunlight or fluorescent.**

The unit may not receive signals from the remote control.

INSTALLATION GUIDELINES

- **During the operation of the product, please place the unit at least 2m away from equipments which involve electric wave such as televisions, radios or wave clocks, in case electrical interference occurs to such equipment.**
- **Leave at least 60cm of space from the wall.**
The motor may overheat, causing a malfunction.
- **Avoid a location where the sensor is exposed to direct wind.**
The unit may not operate properly.
- **Avoid locations where curtains, etc., come into contact with the intake or air outlet.**
Curtains, etc., may become dirty or a malfunction may occur.
- **Avoid locations where the unit is exposed to condensation, due to drastic temperature changes.**
- **Place on a stable surface with sufficient air circulation.**
- **Do not install when there is generation of lampblack, such as in a kitchen, etc.**
The unit surface may crack or the sensor may malfunction as a result.
- The wall behind the air outlet may become dirty as time passes. When using the unit for extensive period in the same location, use a vinyl sheet, etc., to prevent the wall from becoming dirty. In addition, periodically clean the wall, etc.

FILTER GUIDELINES

- Follow the instructions in this manual for correct care and maintenance of the filters.

HOW SHARP AIR PURIFIER WORKS

An air purifier draws in room air from its air intake, lets the air pass through an Active Carbon Filter (Deodorizing Filter) and a HEPA Filter (dust collection filter) inside of the unit, then discharges the air from its air outlet. The air purifier repeats this process by moving its internal fan.

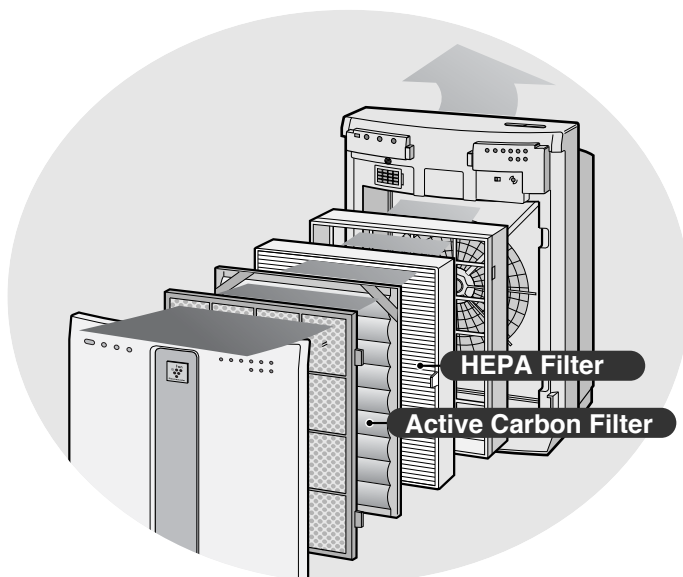
As air passes through, the HEPA Filter can remove dust particles. The Active Carbon Filter gradually absorbs odour elements as they repeatedly pass through the filter. (Odour elements are absorbed by HEPA Filter as well.)

Some odour ingredients absorbed by the filters may become separated and may be discharged through the air outlet and result in additional odour. Depending on the usage environment, this odour may become strong in a shorter period than expected.

In this case, purchase the optional replacement filter kit FZ-P60SEF.

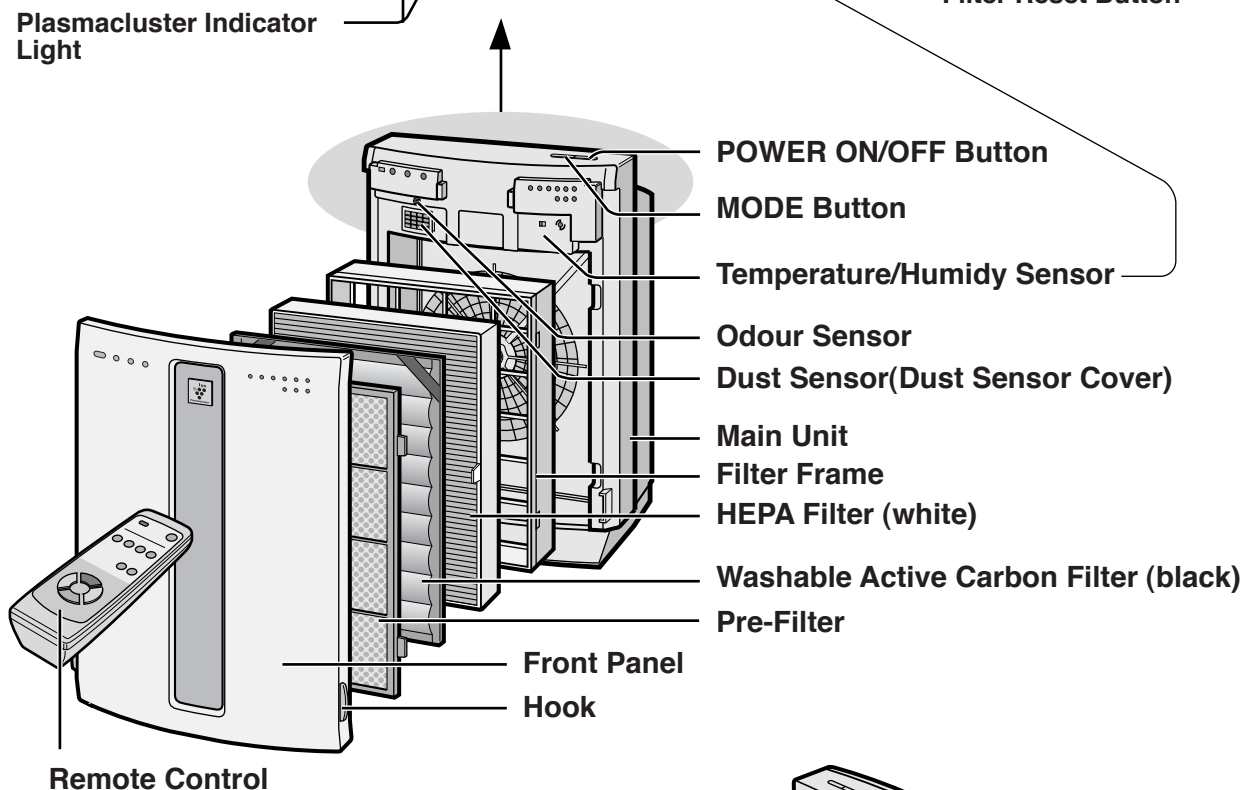
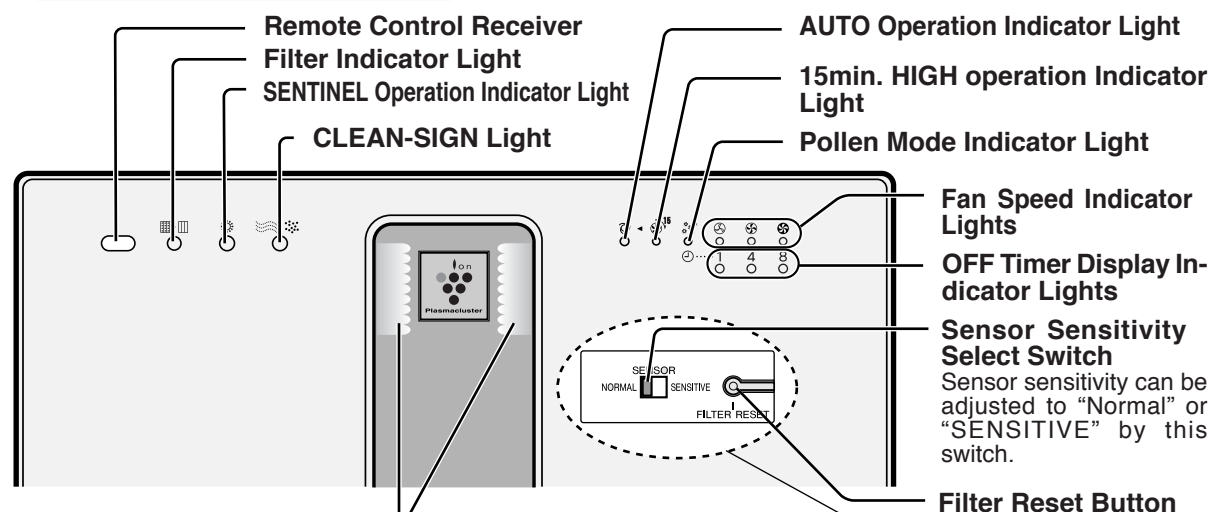
NOTE

- The air purifier is designed to remove air-suspended dust and odour, but not harmful gases (for example, carbon monoxide contained in cigarette smoke). If the odour sources still exist, it cannot completely remove the odour. (for example, odours from construction materials and pet odours).
- It is suggested to open the window a bit when you are smoking in order to facilitate ventilation.



PART NAMES

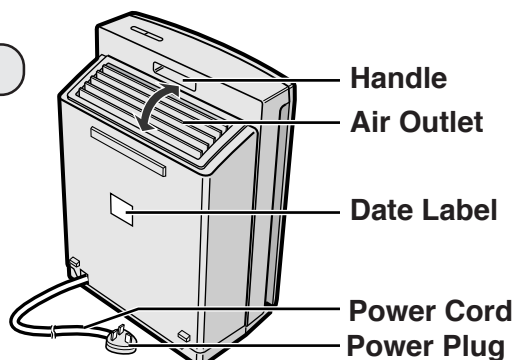
MAIN UNIT DISPLAY



INCLUDED

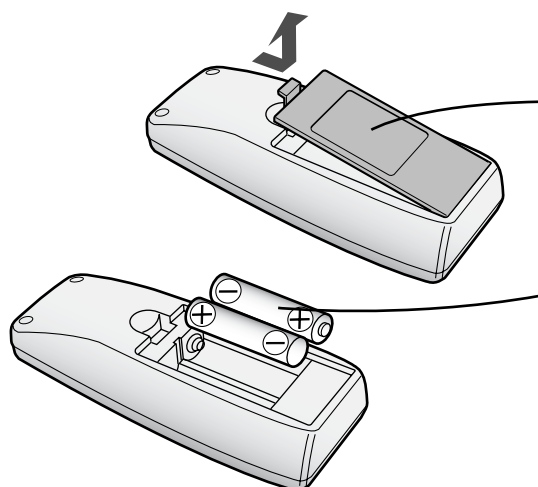
Remote Control (1 unit)
Battery (AA battery x 2)
• Operation manual

BACK



PREPARATION

INSERTING BATTERIES IN THE REMOTE CONTROL



1 Remove the back cover
Press and slide the back cover to remove.

2 Insert batteries
Insert batteries with \oplus and \ominus as shown below.

3 Close the back cover

Battery Information

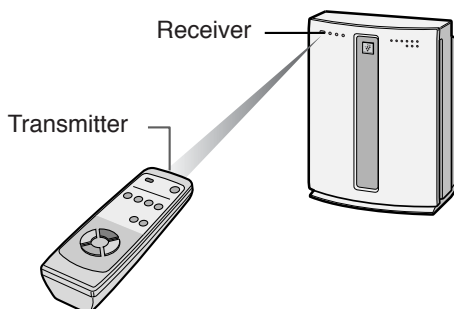
- The battery life is about 1 year.
- The batteries for this remote control are for initial use only . Change the batteries when necessary.
- Incorrect usage of the batteries may cause battery fluid leakage and/or damage. Take care of the following when handling:
 - When replacing the batteries, replace both batteries with new ones of the same type. (Use 2 AA manganese batteries.)
 - When not using the unit or remote control for an extended period, remove the batteries.
 - The batteries are for initial use only and may be depleted within 1 year.

REMOTE CONTROL USE

- Operate the remote control facing the main unit receiver.
- The signal range is about 7m.
- Make sure there are no objects blocking the path of the signal.
- A beep sound will be heard from the main unit when a signal is received.

NOTE

- Avoid dropping or damaging the remote control, using in a high humidity condition, in direct sunlight or near a heat source.



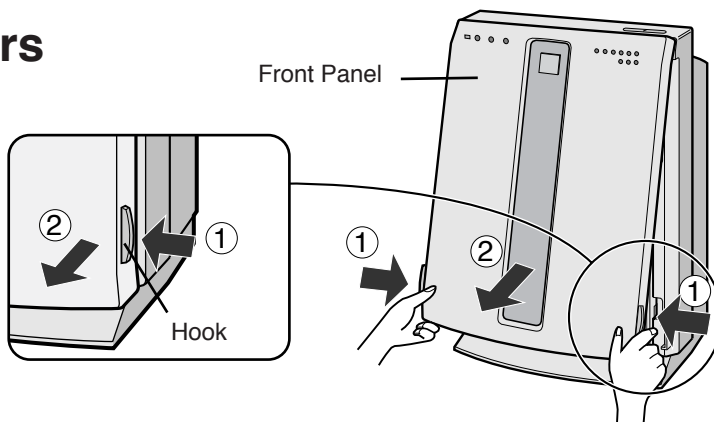
FILTER INSTALLATION

To maintain the quality of the filters, they are installed in the main unit within the plastic bags. Be sure to remove the filters from the plastic bags before using the unit.

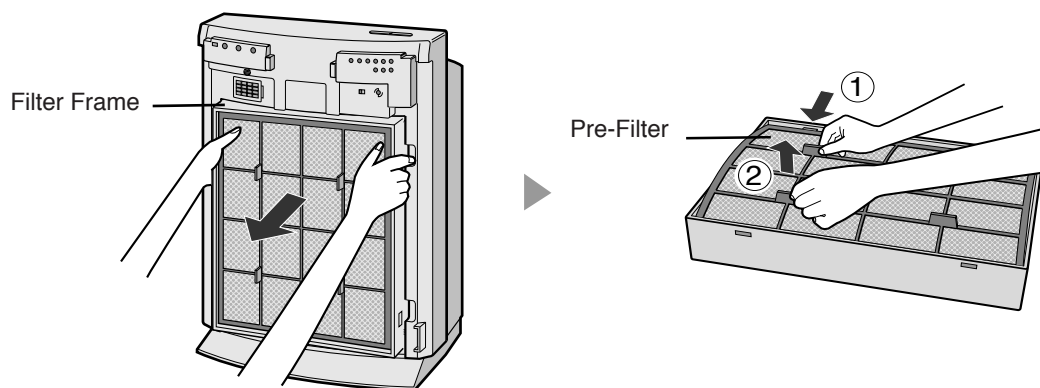
1 Remove the filters

1 Remove the Front Panel.

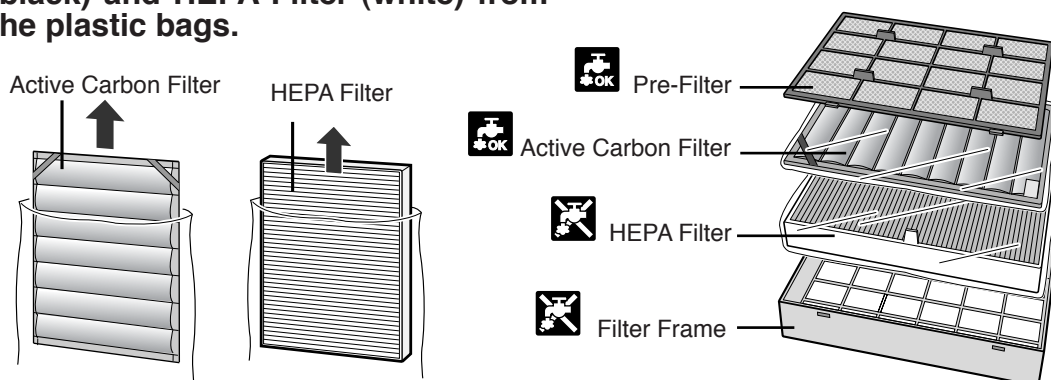
Pull the bottom of the Front Panel.



2 Pull out the Filter Frame and remove the Pre-Filter, Active Carbon Filter and HEPA Filter.



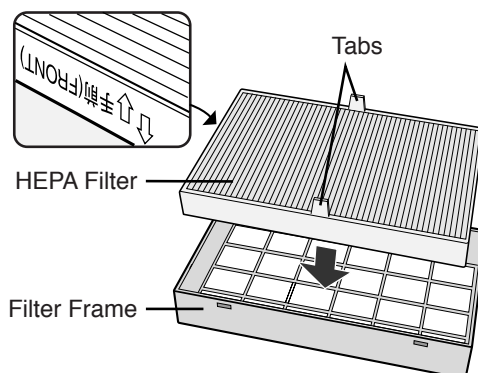
3 Remove the Active Carbon Filter (black) and HEPA Filter (white) from the plastic bags.



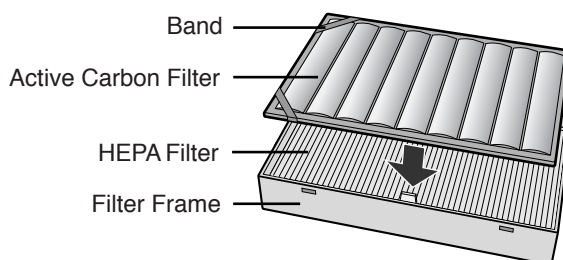
2 Install the filters

1 Place the HEPA Filter within the Filter Frame with the tabs facing up.

Do not install the filter backwards or the unit will not operate properly.

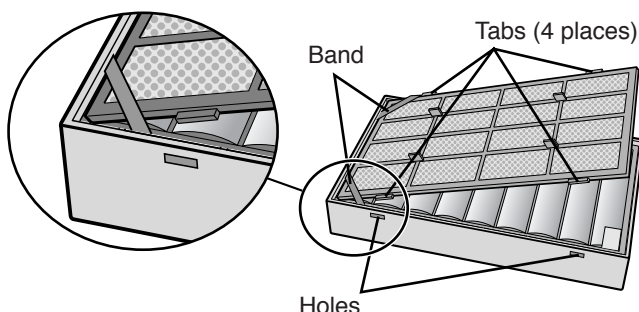


2 Place the Active Carbon Filter on top of the HEPA Filter with the bands (2 places) facing up.

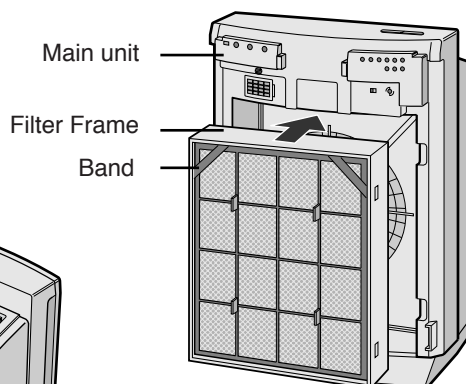


3 Place the Pre-filter through the bands (2 places) located at the corners of the Active Carbon Filter.

Insert the tabs of the pre-filter into the associated holes of the Filter Frame.

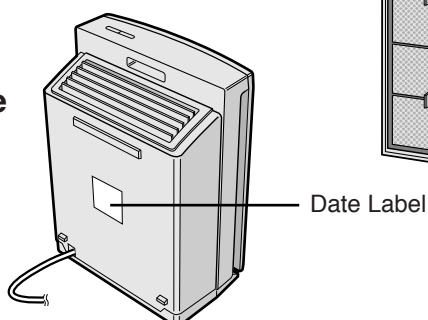


4 Mount the Filter Frame to the main unit.



5 Fill in the usage start date on the Date Label.

Use the date as a guide for the Filter Replacement schedule.

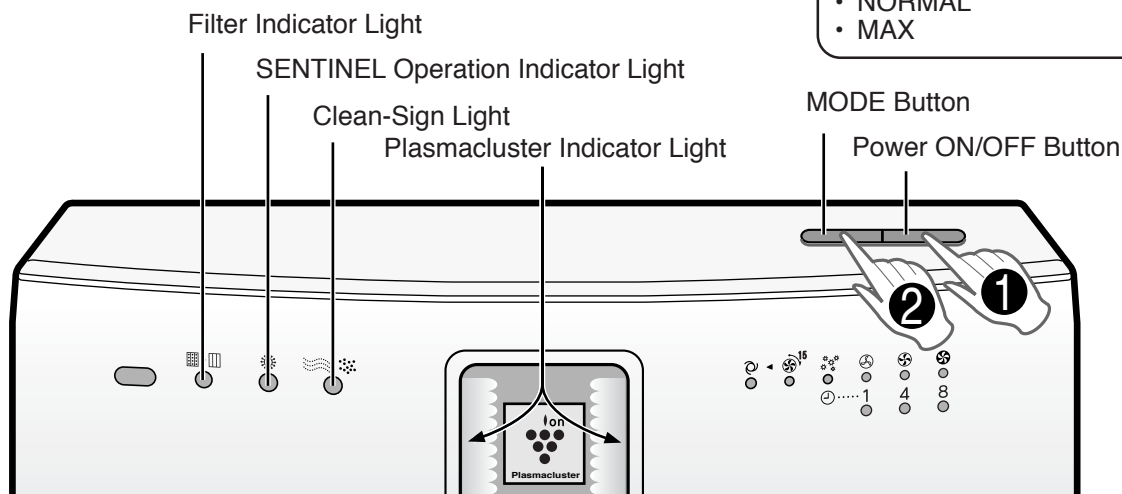


OPERATION

Main Unit Controls

- AUTO
- 15 min. HIGH
- POLLEN
- SILENT
- NORMAL
- MAX

MAIN UNIT OPERATION



1

Power ON/OFF Button

- Used to start operation (short beep) and stop operation (long beep)
- Plasmacluster Indicator Light and Fan Speed Indicator Light turn on/off.
- Unless unplug the power cord, the operation starts in the previous mode the unit was operated in.

2

MODE Button

- The operation mode can be switched.

AUTO operation

The fan speed is automatically switched (HIGH*, NORMAL, SILENT) depending on the amount of pollution in the air. The sensors detect the pollution for efficient air purification.

15 min. HIGH* operation

The unit will operate at HIGH* fan speed for 15 minutes, then will operate at Auto operation. The operation mode is effective when quick removal of impurities in the air is desired.

POLLEN mode operation

The unit will operate at HIGH* fan speed for 10 minutes, then will alternate between NORMAL and HIGH for 20 minutes.

10 minutes: HIGH fan speed

20 minutes: NORMAL fan speed

20 minutes: HIGH fan speed

MAX operation

The unit will operate at a fan speed of MAX.

NORMAL operation

The unit will operate at a fan speed of NORMAL.

SILENT operation

The unit will operate quietly using minimal air intake.

* HIGH fan speed is an intermediate speed between NORMAL and MAX.

SENTINEL Operation Indicator Light

When Plasmacluster Ion mode is ION AUTO or CLEAN mode, SENTINEL Operation is ready to be activated, and when SENTINEL Operation is in active, the Plasmacluster Indicator Light (blue) turns on and repeats its colour cycles between dark and light, and also the SENTINEL Operation Indicator Light (green) turns on.

The "SENTINEL" function detects any air environment that is favourable for activation of mold, virus and allergen using its 4 sensors for dust, odour, temperature and humidity, and it releases Plasmacluster Ions to create an environment that controls the activity of airborne microbes.

The fan speed and amount of Plasmacluster Ions are automatically increased during AUTO operation, while only the amount of Plasmacluster Ions is automatically increased during manual fan control mode and Pollen mode.

PLASMACLUSTER INDICATOR LIGHT

Plasmacluster ion operation is selected using the remote control.

Blue light

When the Plasmacluster ion operation is in Clean Mode, or in AUTO Plasmacluster Ion Mode and the air in the room is impure, this light will be activated and the unit will operate in Clean Mode.

Green light

When the Plasmacluster ion operation is in the Ion Control Mode, or in AUTO Plasmacluster Ion Mode and the air in the room is clean, this light will be activated and the unit will operate in Ion Control Mode.

Light off

There are no Plasmacluster ions being generated.

- The light can be turned off by using the 'Display ON/OFF Button' on the Remote Control. In this case, Plasmacluster ions are generated.
(Please turn off the light when not required.)

CLEAN-SIGN LIGHT

The colour changes according to the air condition.

Clean (Green) Slightly Impure (Orange) Very Impure (Red)



ABOUT THE CLEAN-SIGN

- The condition of the CLEAN-SIGN depends on the room air condition detected by the Dust and Odour Sensor when the plug is inserted into the wall outlet.
- It is possible to have a green CLEAN-SIGN with impurities in the air at the time that the air purifier was just introduced to the room environment. After a while, however, the base impurity rate will be adjusted to detect room air condition correctly.
- Use the Display ON/OFF Button on the remote control to turn off the Indicator light.

DETERMINING THE BASE IMPURITY RATE

For the first 30 seconds after the power plug is inserted into the wall outlet, the unit will check the conditions of the air. If operation is set to ON during this time, the CLEAN-SIGN LIGHT will alternately flash in green, orange and red.

FILTER INDICATOR LIGHT

Clean the Active Carbon Filter when the Filter Indicator Light is on.

(The indicator light will be activated in about 2 months, when using the unit for 24 hours a day.)
(See Page E-12)

OPERATION

REMOTE CONTROL OPERATION

POWER ON/OFF Button

- When you press the POWER ON/OFF Button, a short beep will sound and operation will start in AUTO Mode.
- Unless unplug the power cord, the operation starts from the previous mode the unit was operated in.
- To stop, press the POWER ON/OFF Button again. A long beep will sound and operation will stop.

Auto (Fan Speed) Button

The fan speed switches automatically depending on the amount of impurities in the air.

Manual (Fan Speed) Button

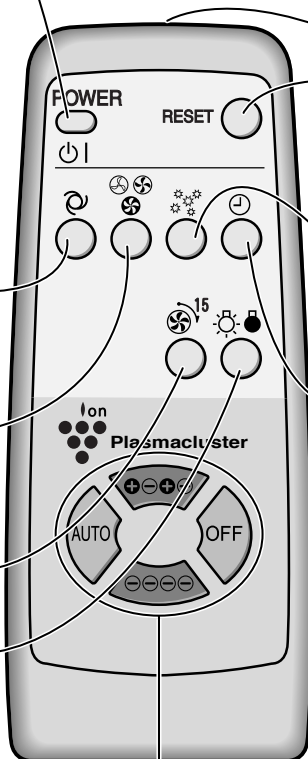
The fan speed can be switched among Silent, NORMAL and MAX settings.

15 min. HIGH Button

See page E-8

Display ON/OFF Button

Switches the Plasmacluster Indicator Light and CLEAN-SIGN Light either ON or OFF.



Operations available with the Remote Control

- AUTO
- MANUAL
- POLLEN
- OFF TIMER
- 15 min. HIGH
- DISPLAY ON/OFF

Plasmacluster Ion mode selections

- AUTO
- CLEAN
- ION CONTROL
- OFF

Transmitter

Filter Reset Button

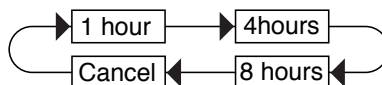
When the Washable Active Carbon Filter is cleaned and reinserted into the main unit, press the Filter Reset Button.

Pollen Mode Operation Button

See Page E-8

Off Timer Button

The set time switches every time the button is pressed as shown below.



- The indicator light shows the remaining time.
- The unit will stop operation when the timer is up.

Plasmacluster Ion Mode Selections

AUTO

When pressed, the unit will switch between Clean Mode and the Ion Control Mode automatically depending on the amount of impurities in the air as detected by the dust and odour sensors. Clean Mode will operate for 1 minute when the Auto function is selected.

ION CONTROL

When pressed, the unit will constantly operate in Ion Control Mode. The Plasmacluster Ion Indicator Light is green.

CLEAN

When pressed, the unit will constantly operate in the Clean Mode, in which the same numbers of positive and negative ions are discharged. The Plasmacluster Indicator Light is blue.

OFF

The generation of ions will be ceased and the Plasmacluster Indicator Light will go out.

CARE AND MAINTENANCE

To maintain optimum performance of this air purifier, please clean the unit including the sensors and filters periodically.

When cleaning the unit, be sure to unplug the power cord, and never handle the plug with wet hands. Electrical shock and/or bodily injury may occur as a result.

MAIN UNIT

To prevent dirt or stains on the main unit, clean as often as necessary. If stains are allowed to remain, they may become hard to clean.

Wipe with a dry, soft cloth

For stubborn stains or dirt, use a soft cloth dampened with warm water.

Do not use volatile fluids

Benzene, paint thinner, polishing powder, etc., may damage the surface.

Do not use detergents

Detergent ingredients may damage the unit.

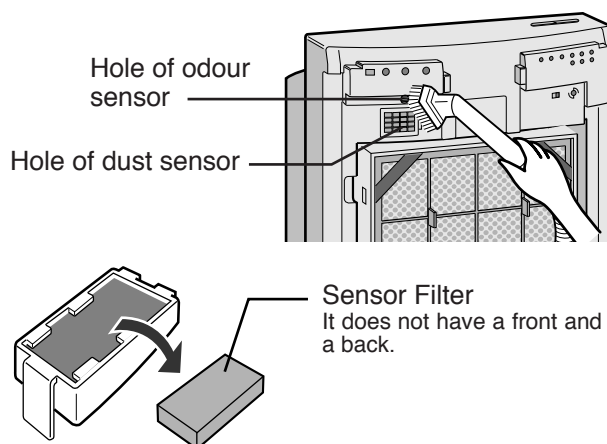
Keep the unit away from water

ODOUR SENSOR / DUST SENSOR

The sensitivity of the sensor will become unstable if the odour/dust sensor is dirty or blocked. Remove dust from the surfaces of the sensor openings using a vacuum cleaner.

Sensor Filter

Detach the sensor filter and tap it lightly with your hand to remove the dust. If it is very dirty, wash it with water and then allow it to dry thoroughly.

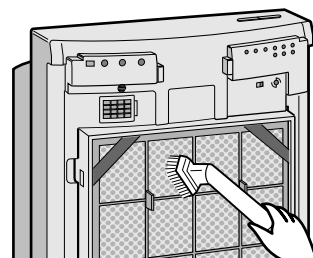


FILTER CLEANING

Remove the Front Panel, Clean the surface of the Pre-Filter lightly with a vacuum cleaner. If it is contaminated heavily, remove it from the Filter Frame and wash it.

NOTE

- In case of washing, use a soft brush etc. and cold/warm water.
- Metal brushes or scrub brushes may cause damage.
- After washing, leave it in the shade until it gets dried. Then place it back to the frame.
- Never wash or clean the HEPA Filter using the nozzle of a vacuum cleaner directly. This will greatly decrease the performance of the filters.



CARE AND MAINTENANCE

WASHABLE ACTIVE CARBON FILTER CARE

**HAND WASH ONLY!
DO NOT TUMBLE DRY!**

Care Cycle

When the Filter Indicator Light lights up, this indicates that the filter needs to be cleaned. If the unit is kept on 24 hours a day then the Filter Indicator Light will be activated in about 2 months. The Filter Indicator Light is for reference. Clean the filter as often as necessary when odour persists.

- 1 Remove visible dirt with a vacuum cleaner.**



- 2 Fill a large container up with warm water, add a mild kitchen detergent and stir.**

Dilute as indicated on the detergent container.



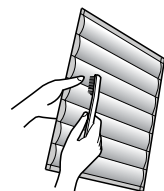
- 3 Allow the filter to soak approximately 30 minutes before washing.**

If the filter surface is very dirty, scrub with an old toothbrush.



CAUTION

Handle with care to prevent damage to the activated carbon particles.



- 4 Rinse thoroughly with clean water**

CAUTION

If rinsing in a container, be sure to rinse 3 to 4 times so that the odour is rinsed thoroughly from the filter.

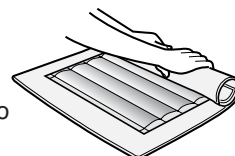


- 5 Remove excess water**

The filter will be saturated with water after rinsing. To decrease drying time, wrap the filter in an old thick towel so that excess water can be removed.

CAUTION

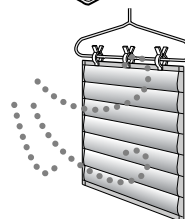
Some carbon may adhere to the towel, but it is harmless.



- 6 Dry the filter outdoors if possible in a well ventilated area.**

CAUTION

- The wet filter is heavy. Fix it securely for drying to make sure it does not fall down.
- The filter takes longer to dry in winter, on rainy days. Wash it on a day when the weather is good and dry it in the sun. Move it indoors at night to prevent freezing.
- Dry the filter outdoors in a well ventilated area. If dried indoors, the water dripping off the filter may soil your floor.
- Make sure that the activated carbon has not shifted to one side inside the filter. If it has, distribute it evenly with your fingers.
- Let the filter dry thoroughly. If used while the filter is still moist, then the air that is exhausted from the main unit will have an odour. It may take 1 or 2 days to dry.

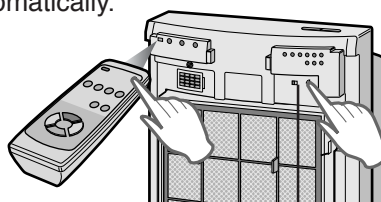


- 7 Reinstalling the Filter.**

Reinstall the filter as shown on Page E-6,7

- 8 Once the Active Carbon Filter has been cleaned, connect the power cord to the outlet and press the Filter Reset Button on either the Remote Control or Main Unit.**

- Once the Filter Reset Button has been activated, you will hear a beep sound that means the unit has been reset.
- The Filter indicator light will then go out automatically.



Filter Reset Button

FILTER REPLACEMENT GUIDELINES

Depending on the usage environment, air outlet odour may become strong after several months.

If dust or odours cannot be removed easily, replace the filters.

(Refer to HOW SHARP AIR PURIFIER WORKS E-3)

Guide for filter replacement timing

- The following filter life and replacement period is based on the condition of smoking 10 cigarettes per day and the dust collection/deodorization power is reduced by half compared with that of new filters.

We recommend to replace the filters more frequently if the product is used in a condition significantly severer than normal household use.

• HEPA Filter	About 5 years after opening
• Active Carbon Filter	About 5 years after opening

REPLACING THE FILTERS

1 See page E-6,7 for directions on how to install the filters when replacing.

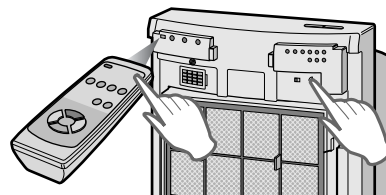
2 After replacing the filters:

Be sure to press the Filter Reset Button on the Remote Control with the power cord connected to the outlet.

A short beep will be heard and the operation hours stored in the memory will be reset.

The Filter Indicator Light will then go out automatically.

3 Fill in the usage start date of the filters on the Date Label.



Replacement Filters

Model: FZ-P60SEF

- HEPA Filter : 1 unit
- Active Carbon Filter: 1 unit

Please consult your dealer for purchase of replacement filters.

Disposal of Filters

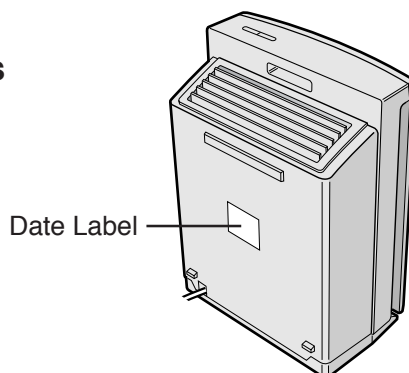
Please dispose of replaced filters according to the local disposal laws and regulations.

HEPA Filter materials:

- Filter: Polypropylene
- Frame: Polyester
- Microbial Control Filter: Polypropylene, Polyethylene

Active Carbon Filter Materials:

- Deodorizer: Activated charcoal
- Net: Polypropylene 60%, Polyester 40%



TROUBLESHOOTING

Before calling for repair, please review the list below, since the problem may not be a unit malfunction.

SYMPTOM	REMEDY (not a malfunction)
The Remote Control does not work	<ul style="list-style-type: none"> • Have the batteries been depleted? • Are the batteries inserted correctly? • Is a fluorescent lighting in the room flickering due to service life?
Odours and smoke are not removed	<ul style="list-style-type: none"> • Clean or Replace the filters if they appear to be heavily soiled. (Refer to E-12,E-13)
The CLEAN-SIGN Light lights green even when the air is impure	<ul style="list-style-type: none"> • The air could be impure at the time the unit was plugged in. (Refer to E-9)
The CLEAN-SIGN Light lights orange or red even when the air is clean	<ul style="list-style-type: none"> • The sensitivity of the sensor becomes unstable when the opening of the odour sensor is dirty or is clogged. Clean the dust around the sensor opening using a vacuum cleaner. (Refer to E-11)
The Plasmacluster Indicator Light remains green (or blue) and does not change	<ul style="list-style-type: none"> • When in Clean Mode (or Ion Control Mode), the Plasmacluster Indicator Light colour will not change.
A clicking or ticking sound is heard from the unit	<ul style="list-style-type: none"> • Clicking sound is emitted when the unit is in the Ion Control Mode, and ticking sound is emitted when the unit is generating ions. If the sound is irritating, set the unit away from you.
The discharged air has an aroma or odour.	<ul style="list-style-type: none"> • Check to see if the filters are heavily soiled. Replace the filters. • Plasmacluster Air Purifiers emit small traces of ozone which may produce an odour. The amount of ozone emitted by the ion generator is very little which is below the safety levels set by the IEC 60335-2-65, and it is harmless to the human body.
The unit does not operate when cigarette smoke is in the air.	<ul style="list-style-type: none"> • Is the unit installed in a location that is difficult for the sensor to detect cigarette smoke? • Are the odour sensor openings blocked or clogged? (In this case, clean the openings.) (Refer to E-11)
The Filter Indicator Light remains activated even after replacing filter.	<ul style="list-style-type: none"> • After replacing filters, connect the power cord to an outlet and press the Filter Reset Button on the remote control. (Refer to E-12)
The Plasmacluster Indicator Light or the CLEAN-SIGN Light will not activate.	<ul style="list-style-type: none"> • Check to see if the Display OFF Mode on the Remote Control is selected. If so, press the Display ON/OFF Button on the Remote Control to activate the indicator light. (Refer to E-10)

ERROR DISPLAY

LAMP INDICATION	REMEDY
The “Silent” Fan Speed Indicator Light blinks.	<p>Fan motor disconnected or abnormal. Operation stops.</p> <ul style="list-style-type: none"> • Pressing the ON/OFF button will reset the error display, but if error occurs again, contact the shop where you purchased the unit.

SPECIFICATIONS

Model		FU-P60S		
Power supply		220V 50Hz		
Fan Speed Operation	Fan speed level	MAX	NORMAL	SILENT
	Rated power	65 W	9.6 W	4.0 W
	Air Flow Volume	360 m³/hour	138 m³/hour	36 m³/hour
Applicable floor surface		~46m²*		
Cord Length		2.5m		
Dimensions		415mm(W)x241mm(D)x572mm(H)		
Weight		8.5kg		

- * The applicable floor surface area is the surface area for operating the unit in MAX fan level.
- Applicable floor surface area indicates the space where a certain amount of dust particle can be removed in 30 minutes.

Standby Power

In order to operate the electrical circuits while the power plug is inserted in the wall outlet, this product consumes about 0.7W of standby power.

For energy conservation, unplug the power cord when the unit is not in use.

主要功能

離子簇控制

本機根據室內空氣狀況控制正負離子的比率。

● 淨化模式

釋放出大致同等數量的正負離子。此模式有助減少空氣中的霉菌。

● 離子控制模式

大量的負離子存在於自然環境（如：瀑布、森林中）。在此模式下，負離子被釋放的比率會增加，從而使室內空氣質素接近大自然環境。

● 自動離子簇模式

本機將根據灰塵和異味感應器感測空氣的污濁程度，從而自動轉換為淨化模式或離子控制模式。

● 空氣質素監測（SENTINEL） 操作模式

空氣質素監測（SENTINEL）功能可探測適合霉菌、病毒和過敏原滋生的空氣環境，其四個感應器可感測灰塵、異味、室溫和濕度。並釋放離子簇以提供可控制空氣中微生物生長的環境。

● 過濾網

1) 前過濾網

用於吸附較大的灰塵粒子

2) 可清洗活性碳過濾網

可通過清洗保持其除臭功能

3) 備有微生物控制過濾網的HEPA

過濾網（高效能微塵過濾網）可高效吸附微粒，包括花粉和灰塵。

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多謝您購買聲寶空氣清新機。請仔細閱讀此說明書，以瞭解正確使用資訊。使用本產品之前，請務必閱讀“重要安全事項”這一節。閱讀後請妥善保管此說明書以便日後查閱。

重要安全事項

使用電器時，必須遵守基本安全預防措施，包括以下各方面：

警告 - 為了減少電擊、火災或受傷等危險：

- 在使用空氣清新機之前請閱讀所有注意事項。
- 只能使用220V插座。
- 如果電源線或插頭已經損壞，或者壁裝電源插座已鬆脫，請勿使用空氣清新機。
- 定期清除電源插頭上的灰塵。
- 請勿將手指或異物插入進氣或排氣口。
- 當拔掉電源插頭時，必須緊握插頭而不要拉扯電線。
否則可能導致電擊或因短路引起火災。
- 手濕時請勿拔掉電源插頭。
- 在氣體設備或壁爐附近請勿使用空氣清新機。
- 清潔本機或不使用本機時，請將插頭從壁裝電源插座上拔掉。
否則可能導致因絕緣不良而引起電擊或因短路而引起火災。
- 如果電源線損壞，必須由製造商或其代理、聲寶公司特約維修機構或具有同等資格的人員負責更換，以免發生危險。
- 當使用噴霧殺蟲劑時請勿使用本機，或房間內有油渣、焚香時的煙、點煙時的火苗、空氣中有化學氣味或濕氣重時也不要使用本機。
- 清潔空氣清新機時請加以小心。具強力腐蝕性的清潔劑會損壞本機表面。
- 只有聲寶特約維修人員方可維修本空氣清新機，當需要調校、修理或出現問題時，請聯絡就近的維修機構。
- 電池處理前必須從遙控器中取出，且必須安全處理。

操作注意事項

- 請勿堵塞進氣口和排氣口。
- 不要靠近或在熱源物體上（如可能接觸到蒸汽的場所）使用本機。
- 移動本機時，須一直緊握主機後邊的手柄。
- 移動時若握住前面板可能導致前面板脫落，致使主機跌落，造成人身傷害。
- 請勿在沒有過濾網的情況下操作本機。
這不僅不能增強過濾網性能，反而會導致電擊或故障。
- 只能使用軟布清潔本機表面。
否則本機可能會損壞或破裂。
此外，還可能導致感應器故障。

遙控器限制

請勿在以下場所使用遙控器：

- 任何有變頻器照明設備或電子燈光設備的地方。
遙控器可能失靈。在此情況下，使本機遠離這些燈光設備或改變其方向。
- 陽光或螢光可直接照射的地方。
本機可能接收不到來自遙控器的信號

安裝指南

- 操作本機時，請將本機置於帶有電波的設備（如電視機、收音機或時鐘）至少2米以外。以防產生電波干擾。
- 遠離牆壁至少60厘米。
以為馬達可能會過熱，引起故障。
- 請勿安裝在感應器直接對住風口的地方。
否則可能會影響本機正常工作。
- 請勿安裝在窗簾等物可能會接觸到進氣口或排氣口的地方。
否則該物可能會被污染或導致本機故障。
- 請勿安裝在由於溫度劇烈變化而導致本機直接暴露於冷凝環境的地方。
- 安裝必須穩固，且通風良好。
- 請勿安裝在會產生黑煙的地方（如廚房等）。
否則可能會導致本機表面破裂或感應器故障。
- 排氣口後邊的牆壁可能會隨著時間變髒，當在同一位置長時間使用本機時，請在牆上貼一張軟膠墊，以免牆壁變髒。此外，還可以定期清潔牆壁。

過濾網指南

遵照說明書指示，解正確保養和清潔過濾網的方法。

聲寶空氣清新機操作原理

空氣清新機經進氣口吸入室內空氣，使其通過機內的活性碳過濾網（除臭過濾網）和HEPA過濾網（集塵過濾網），然後從排氣口排出。空氣清新機通過其內部風扇的運行不斷重複此過程。

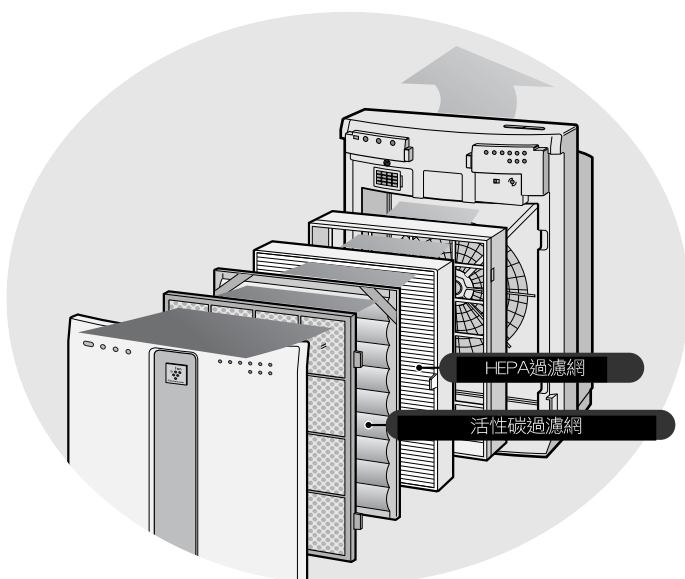
當空氣通過時，HEPA過濾網能夠除去灰塵粒子。當異味成分多次經過活性碳過濾網時，便逐步被吸收。（異味成分也被HEPA過濾網吸收）

有些已被過濾網吸收的異味成分可能會離開過濾網並經出風口被排出，因而產生額外的異味。根據不同的使用環境，這些異味可能在比預期更短的時間內變得強烈。

在此情況下，請選購過濾網更換配件FZ-P60SEF。

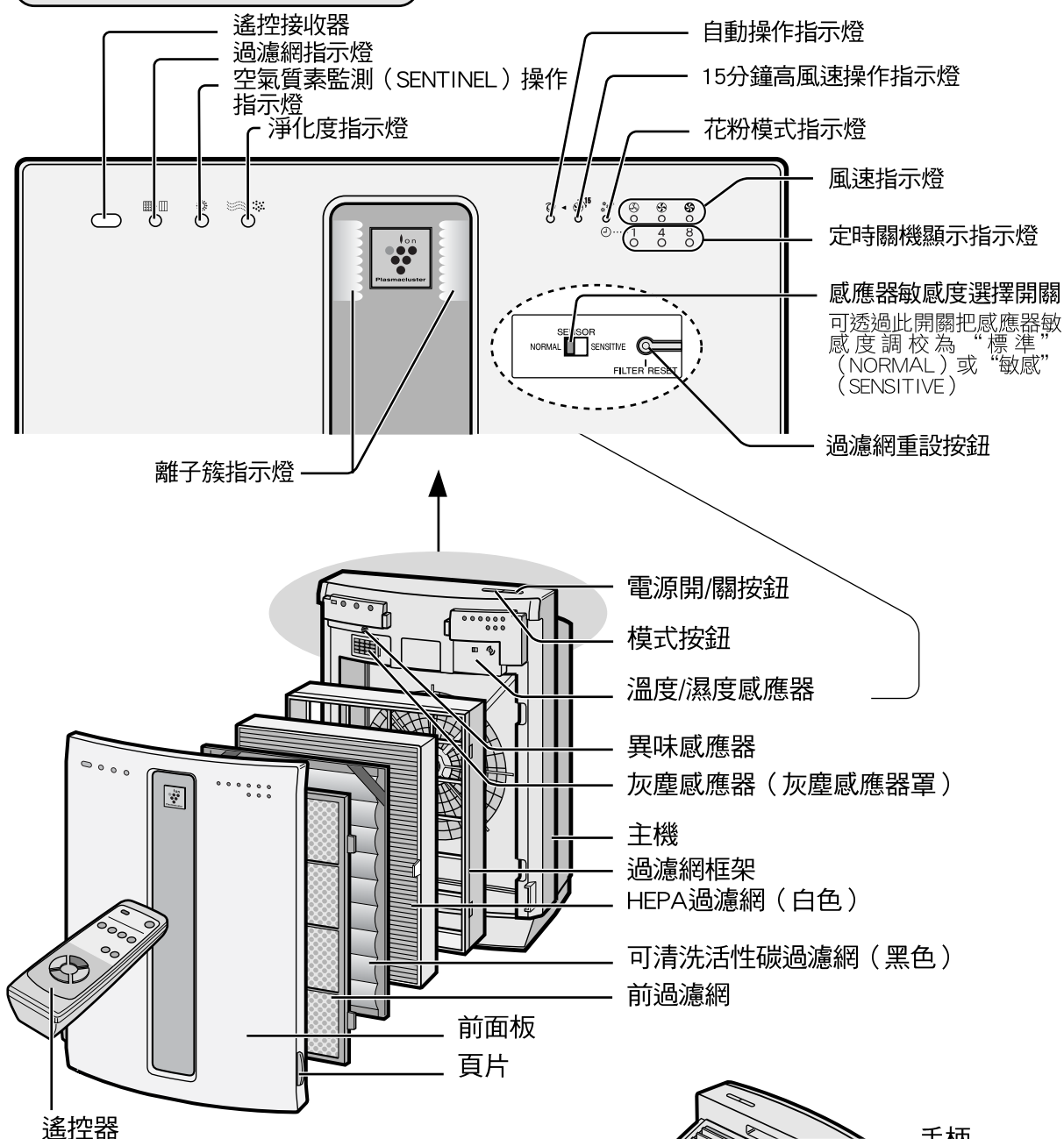
注意

- 本空氣清新機用於去除空氣中懸浮的灰塵和異味，而不能去除有害氣體（如：香煙煙霧中的一氧化碳）。如果異味的源頭依然存在，異味將不能徹底去除（如：來自建築材料或寵物身上的異味）。
- 建議吸煙時將窗戶稍微打開，以便空氣流通。

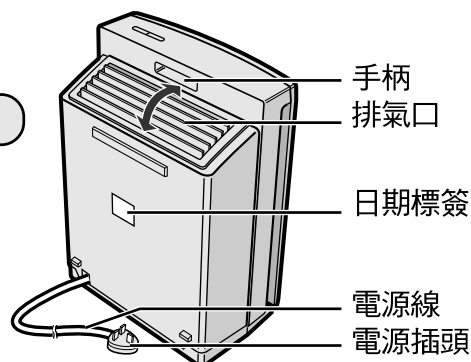


部件名稱

主機部件



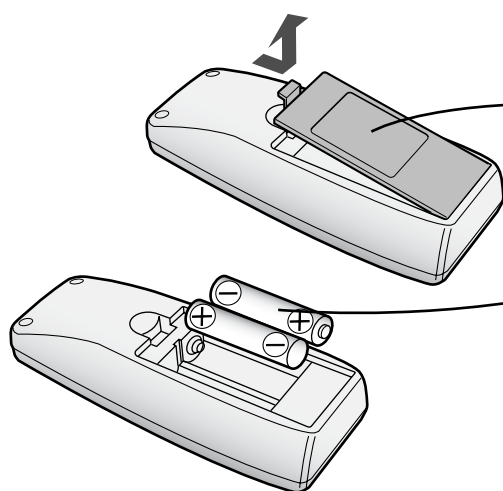
背部



附件

遙控器 (1個)
電池 (AA電池2枚)
。使用說明書

安裝遙控器電池



1 打開後蓋
按下並滑動，以打開後蓋

2 裝入電池
依照圖示 ⊕ 和 ⊖ 極標記裝入電池

3 推回後蓋

關於電池

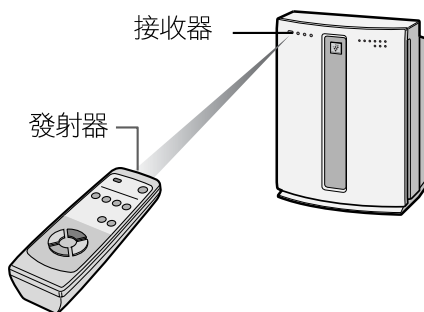
- 電池壽命大約為一年。
- 該遙控器使用的電池是為初次使用，必要時需更換電池。
- 不正確使用電池可能導致電池漏液和/或損壞。
操作時請注意以下事項：
- 更換電池時，請同時更換兩枚相同類型的新電池。（使用2枚AA錳性電池）
- 當長時間不使用本機或遙控器時，請取出電池。
- 電池必須為初次使用，且電量可能在一年內耗盡。

使用遙控器

- 對著主機接收器操作遙控器。
- 信號覆蓋範圍約7米。
- 確認無物體阻擋遙控器的信號。
- 當接收到信號時，主機會發出“嗶”聲。

注意

- 避免掉下或損壞遙控器，或是在過度潮濕、陽光直接照射或靠近熱源的地方使用遙控器。

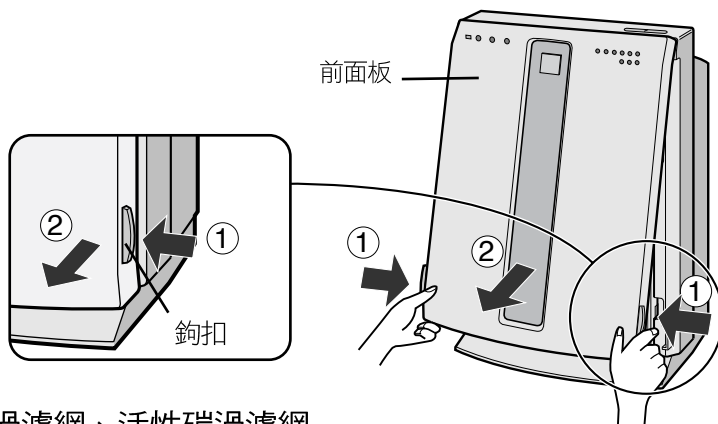


安裝過濾網

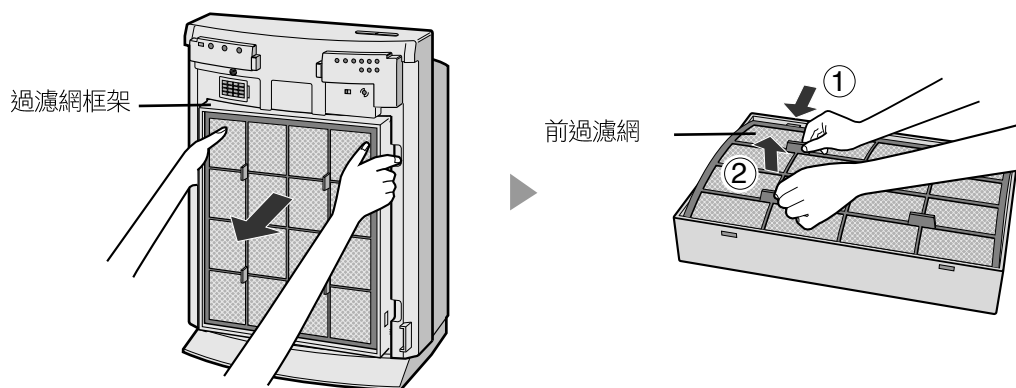
為確保過濾網的質量，過濾網以塑膠袋包裝安裝在主機中。
使用本機前，須將過濾網從塑膠袋中取出。

1 取出過濾網

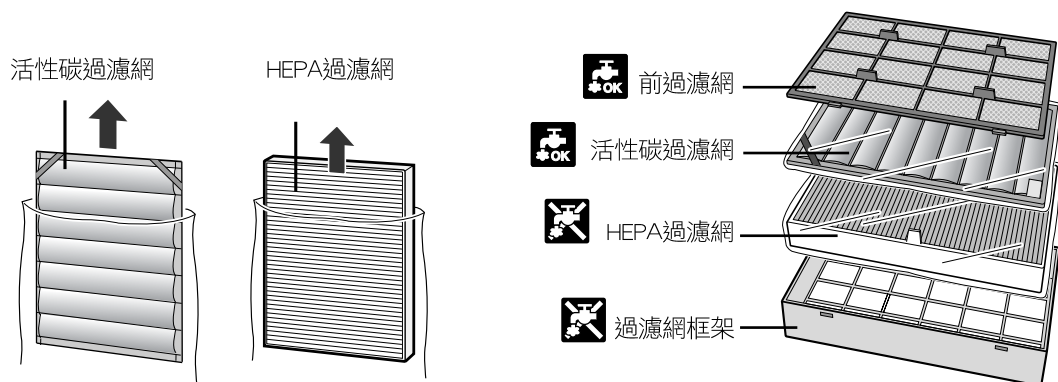
- 1** 取下前面板
拉動前面板底部



- 2** 拉出過濾網框架並取出前過濾網、活性炭過濾網和HEPA過濾網。



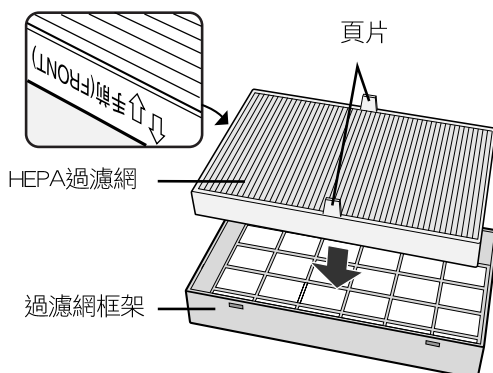
- 3** 從塑膠袋中取出活性炭過濾網（黑色）和HEPA過濾網（白色）。



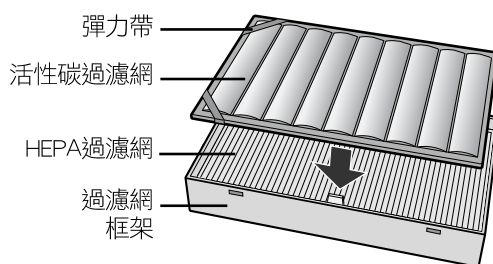
2 安裝過濾網

1 將HEPA過濾網放進過濾網框架內，頁片朝上。

請勿反方向安裝過濾網，否則將影響本機正常操作。

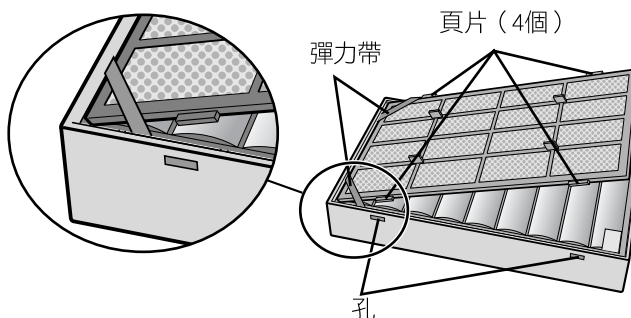


2 將活性碳過濾網放在HEPA過濾網上邊，彈力帶（2根）朝上。

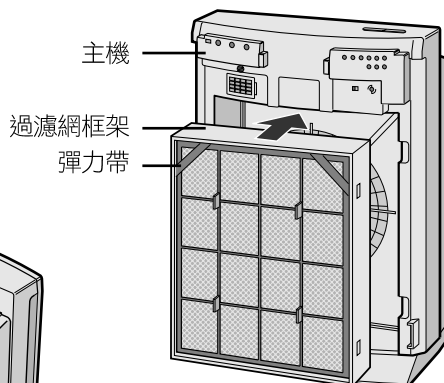


3 將前過濾網插入位於活性碳過濾網角部的彈力帶（2根）內。

將前過濾網頁片插入過濾網框架上相應孔內。

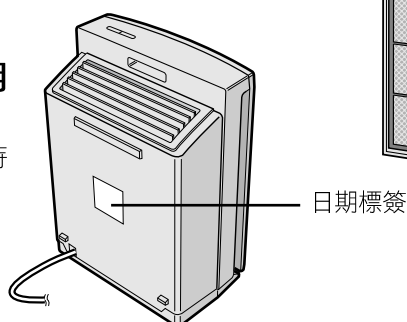


4 將過濾網框架裝入主機。



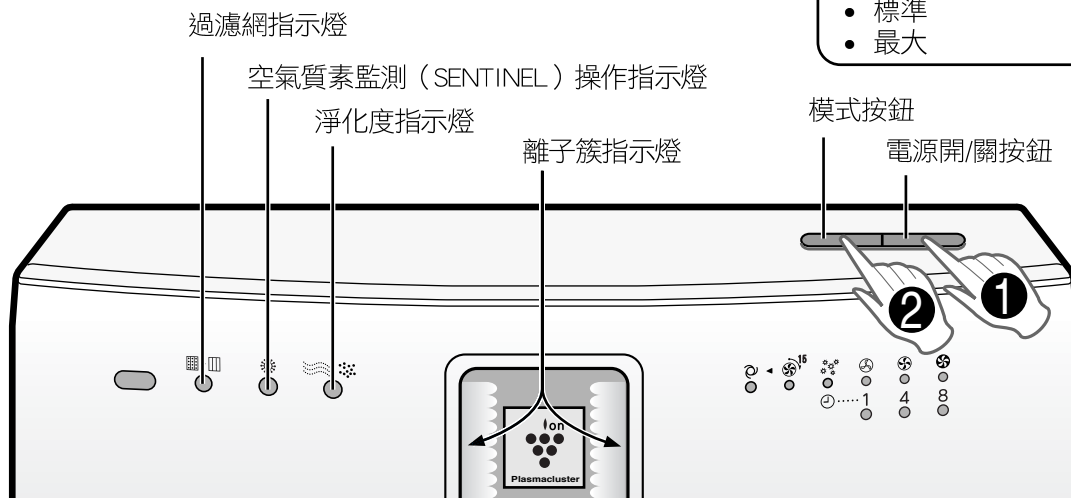
5 在日期標籤上填寫開始使用的日期。

該日期將作為日後過濾網更換的時間參考



- 自動
- 15分鐘高風速
- 花粉
- 靜音
- 標準
- 最大

主機操作



1 電源開/關按鈕

- 用於開始操作本機（短嗶聲）和停止操作本機（長嗶聲）。
- 離子簇指示燈和風速指示燈開/關。
- 除非拔掉電源，否則主機啟動後將維持前一次的操作模式。

2 模式按鈕

- 可切換操作模式。

自動操作 🔄

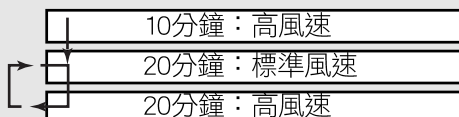
風速將根據空氣污染含量自動切換（高風速*、標準、靜音）。感應器將感測空氣污濁程度，以便有效地淨化空氣。

15分鐘高風速*操作 🌀¹⁵

主機以高風速* 操作 15 分鐘，之後將轉為自動操作。
這操作模式能有效地快速去除空氣中的雜質。

花粉模式操作 🌸

主機以高風速* 操作 10 分鐘，之後交替地以 20 分鐘標準和高風速* 模式操作。



最大風速操作 🌀

本機將以最大風速操作

標準操作 🌀

本機將以標準風速操作。

靜音操作 🌀

本機將以最小進風寧靜地操作。

*高風速是介於標準和最大之間的風速。

空氣質素監測（SENTINEL）操作指示燈

離子簇模式處於自動操作或淨化模式時，空氣質素監測（SENTINEL）操作指示燈將點亮。
當啟動空氣質素監測（SENTINEL）操作時，離子簇指示燈（藍色）熄滅和點亮循環交替。並且空氣質素監測（SENTINEL）操作指示燈（綠色）點亮。
空氣質素監測（SENTINEL）功能可感測任何適合霉菌、病毒和過敏原滋生的空氣環境，其四個感應器可感測灰塵、異味、室溫和濕度。並釋放離子簇以提供可控制空氣中微生物生長的環境。自動操作模式下，風速和離子簇含量會自動增加，然而在手動風速控制模式的花粉模式下，只有離子簇含量自動增加。

離子簇指示燈

使用遙控器選擇離子簇操作。

藍色燈亮

當離子簇以淨化模式操作，或者為自動模式而室內空氣污濁時，藍色指示燈會點亮，並且主機將以淨化模式操作。

綠色燈亮

當離子簇以離子控制模式操作或為自動模式而室內空氣潔淨時，綠色指示燈會點亮，並且主機將以離子控制模式操作。

燈熄滅

沒有離子簇產生。

- 可使用遙控器上的“顯示開關按鈕”關掉指示燈。此時將會產生離子簇。
（不需要時請關掉指示燈。）

淨化度指示燈

指示燈顏色會隨空氣狀況而改變。

潔淨（綠色） 輕度污濁（橙色） 嚴重污濁（紅色）



關於淨化度

- 通電時，淨化度狀態取決於灰塵和異味感應器所感測到的空氣狀況。
- 空氣清新機首次搬入房內使用時，即使房間內空氣有雜質，淨化度指示燈仍有可能顯示為綠色。但一段時間之後，空氣清新機將會調整雜質比率基準，並準確感測室內空氣狀況。
- 使用遙控器上的顯示開關按鈕來熄掉指示燈。

確定污濁比率基準

通電後30秒內，主機會檢查空氣狀況，如果此時處於操作狀態，淨化度指示燈將會以綠色、橙色和紅色交替閃爍。

過濾網指示燈

當過濾網指示燈點亮時，請清洗活性碳過濾網。

（當本機每天操作24小時，指示燈會在大約兩個月後點亮。）
（見第C-12頁）

遙控器操作

電源開/關按鈕

- 按此按鈕可聽到短嗶聲，並且本機將以自動模式操作。
- 除非拔掉電源線，否則主機啟動後將維持前此的操作模式。
- 要停止操作，再次按電源開/關按鈕。

此時會聽到長嗶聲，本機即停止操作。

自動（風速）按鈕

風速將根據室內空氣污濁程度自動轉換。

手動（風速）按鈕

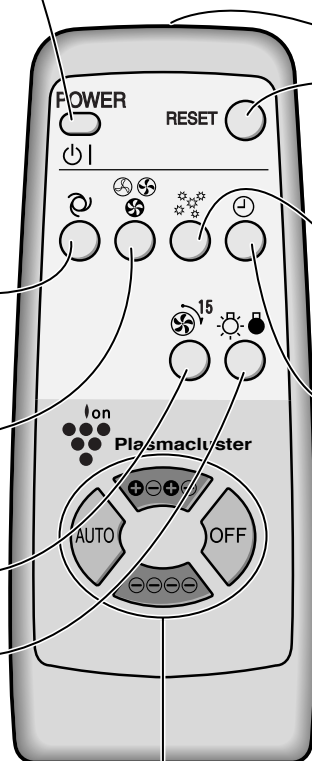
風速可以在靜音、標準和最大風速之間轉換。

15分鐘高風速按鈕

見第C-8頁

顯示開/關按鈕

打開或關掉離子簇指示燈和淨化度指示燈。



遙控功能

- 自動
- 手動
- 花粉
- 關機定時器
- 15分鐘高風速
- 顯示開/關

離子簇模式選擇

- 自動
- 淨化
- 離子控制
- 關

發射器

過濾網重設按鈕

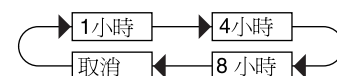
活性碳過濾網清洗完畢重新裝入主機時，請按過濾網重設按鈕。

花粉模式操作按鈕

見第C-8頁

關機定時器按鈕

每按一次該按鈕，設定時間將按以下順序設定：



- 指示燈顯示剩餘時間。
- 到達設定時間後，本機即停止操作。

離子簇模式選擇

AUTO(自動)

按此按鈕，本機將會根據灰塵和異味感應器的空氣污濁程度而在淨化模式和離子控制模式之間自動轉換。當選擇了自動功能時，淨化模式將會操作1分鐘。

⊖⊖⊖⊖ (離子控制)

按此按鈕，本機將持續以離子控制模式操作。離子簇指示燈為綠色。

⊕⊖⊕⊖ (淨化)

按此按鈕，本機將持續以淨化模式操作並釋放出相等數量的正負離子。離子簇指示燈為藍色。

OFF (關)

將停止產生離子，且離子簇指示燈熄滅。

保養和清潔

為保持空氣清新機的最佳性能，請定期清潔本機，包括感應器和過濾網。

清潔本機時，請務必拔掉電源線，並切記不要用濕手觸摸電源插頭。否則可能會導致電擊或受傷。

主機

為防止主機積聚灰塵或污垢，需經常清潔主機。時間長了頑固的，污漬將變得難以清洗。

使用柔軟乾布擦拭

對於頑固污漬，使用一塊溫水浸泡過的軟布擦拭。

請勿使用揮發性液體

笨、油漆稀釋劑以及打蠟粉等皆有可能損壞主機表面。

請勿使用清潔劑

清潔劑成分可能會損壞主機

請勿讓本機進水

異味感應器/灰塵感應器

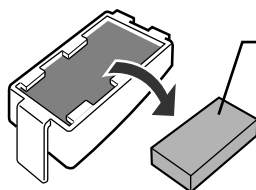
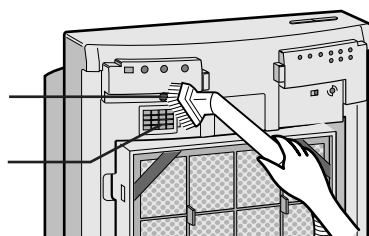
如果異味/灰塵感應器變髒或堵塞，其靈敏度將會變得不穩定。使用吸塵機除去感應器表面的灰塵。

感應器過濾網

拆除感應器過濾網，用手輕拍除去灰塵。如果灰塵較多，可用水清洗，然後徹底風乾。

異味感應器

灰塵感應器



感應器過濾網
(不分前面和後面)

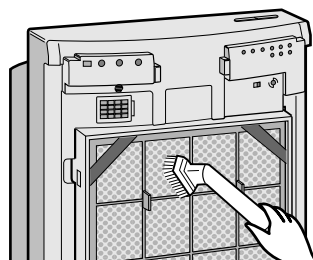
文字

過濾網清理

取下前面板，用吸塵機輕輕清潔前過濾網表面。如果髒得很厲害，將其從過濾網框架中取出清洗。

注意

- 如要進行清洗，請使用一個軟刷以及冷溫水。
- 金屬刷或硬刷可能損壞過濾網。
- 清洗後將其置於陰涼處風乾。然後將其放回框架內。
- 請勿洗滌或用吸塵機吸嘴直接清潔HEPA過濾網。否則會大大降低過濾網的性能。



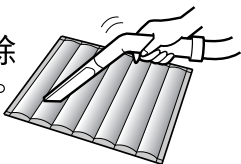
可清洗活性碳過濾網保養

只能手洗！
嚴禁烘乾！

保養周期

當過濾網指示燈點亮時，表示過濾網需要清洗。如果主機一日24小時操作，則大約兩個月後過濾網指示燈會點亮。
過濾網指示燈僅供參考。
當出現異味時，請清洗過濾網。

1 用吸塵機去除明顯的灰塵。



2 用大容器盛滿溫水，然後加入溫和的廚房清潔劑並攪拌。

按照清潔劑包裝指示進行稀釋。



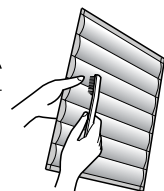
3 清洗前將過濾網浸泡約30分鐘。

如果過濾網表面過髒，用一個舊牙刷進行擦洗。



注意

清洗時須加以小心，以防損壞活性碳粒子。



4 用清水徹底沖洗

注意

如果在容器內沖洗，必須沖洗3至4次，以便徹底去除過濾網異味。

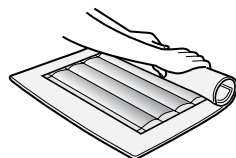


5 除去多餘的水

沖洗過後過濾網會濕透，為減少風乾時間，請用一條舊的厚毛巾包裹過濾網，吸去多餘水分。

注意

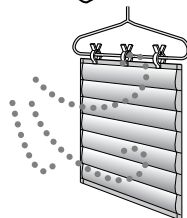
一些活性碳可能會吸附在毛巾上，但是對身體無害。



6 若可能的話，在室外通風良好處曬乾過濾網。

注意

- 濕的過濾網會較重，曬乾時將其穩固地固定，防止倒下。
- 冬天或雨天可能需要較長乾燥時間。最好在天氣好時清洗過濾網，並將其曬乾。晚上要將其移入屋內，以防凍結。
- 在室外通風良好的地方曬乾過濾網，若在屋內晾乾，滴水可能弄髒地板。
- 確保活性碳沒有傾移到過濾網的一側。若有，檢查並用手指使其平均地分佈。
- 讓過濾網徹底風乾。
如果於過濾網還未乾透時使用，主機排出的空氣將有異味。大約需要1至2日風乾過濾網。

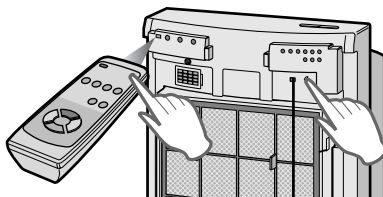


7 重新安裝過濾網

按照第C-6、7頁的圖示重新安裝過濾網。

8 活性碳過濾網清洗之後，接通電源並按遙控器或主機上的過濾網重設按鈕。

- 啟動過濾網重設按鈕後，您將聽到嗶聲，表示本機已重新啟動。
- 然後過濾網指示燈會自動熄滅。



過濾網重設按鈕

過濾網更換指南

根據不同使用環境，幾個月後排氣口異味可能加重。

如果灰塵或異味不易去除，請更換過濾網。

（參考聲寶空氣清新機操作原理 第C-3頁）

過濾網更換時間指南

- 以下的過濾網使用壽命和更換時間是以每日吸10支煙，且集塵/除臭功效比初次使用時減少一半來計算。

如果本機使用於比一般家用情況更嚴重的環境下，建議頻密地更換過濾網。

- | | |
|-----------|--------|
| • HEPA過濾網 | 打開後約5年 |
| • 活性碳過濾網 | 打開後約5年 |

更換過濾網

- 1 關於更換過濾網時的安裝指南，請參見第C-6、7頁。

- 2 更換過濾網之後：
接通電源之後，務必按遙控器上的“過濾網重設按鈕”。
您將會聽到短嗶聲，且所儲存的操作時間將會被重新設定。
然後過濾網指示燈會自動熄滅。

- 3 在日期標籤上填寫過濾網開始使用的日期。

更換用的過濾網

型號：FZ-P60SEF

- HEPA過濾網：1只
- 活性碳過濾網：1只

關於購買更換用過濾網事宜，請諮詢你的經銷商。

棄置過濾網

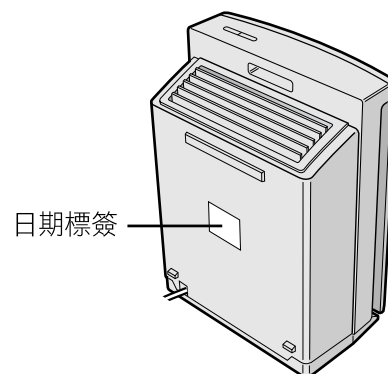
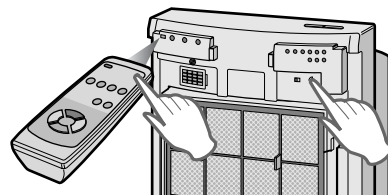
請按照當地法律規定來處理已使用的過濾網。

HEPA過濾網材料：

- 過濾網：聚丙烯
- 框架：聚酯

活性碳過濾網材料：

- 除臭劑：活性碳
- 網：60%聚丙烯，40%聚酯



維修前的檢查事項

在要求修理之前，請檢查下列症狀，因為有些問題可能不是本機故障而引起的。

症狀	補救措施（並非故障）
遙控器無法使用	<ul style="list-style-type: none"> 電池是否已耗盡？ 電池安裝是否正確？ 室內的螢光燈是否因接近使用壽命而閃爍？
不能去除異味和煙霧	<ul style="list-style-type: none"> 如果過濾網已很髒，請清潔或更換。（參見C-12、13頁）
即使空氣污濁時，淨化度指示燈依然為綠色	<ul style="list-style-type: none"> 清新機剛接通電源時空氣可能污濁。（參見C-9頁）
即使空氣潔淨時，淨化度指示燈依然為紅色或橙色	<ul style="list-style-type: none"> 當異味感應器開口處變髒或堵塞時，其靈敏度將會變得不穩定。使用吸塵機除去感應器開口周圍的灰塵。（參見C-11頁）
離子簇指示燈持續為綠色（或藍色），沒有變化	<ul style="list-style-type: none"> 在淨化模式（或離子控制模式）下，離子簇指示燈顏色將不會變。
主機發出喀嚓/滴答聲	<ul style="list-style-type: none"> 當本機處於離子控制模式時會發出喀嚓聲，當本機在釋放離子時會產生滴答聲。 如果您感到此聲音煩擾，可將本機置於遠處。
排出的空氣有異味	<ul style="list-style-type: none"> 檢查過濾網是否已很髒。更換過濾網。 離子簇空氣清新機釋放少量臭氧，可能會產生異味。離子產生器釋放出的臭氧量很少，低於IEC60335-2-65，規定的安全標準，所以對人體無害。
即使空氣中有煙霧時，本機也不操作	<ul style="list-style-type: none"> 本機是否安裝在感應器難以感測到煙霧的地方？ 異味感應器開口處是否被堵塞？（如果是，請清潔開口處）（參見C-11）
即使更換過濾網之後，過濾網指示燈依然點亮	<ul style="list-style-type: none"> 更換過濾網之後，接通電源並按遙控器上的過濾網重設按鈕（參見C-12）
離子簇指示燈或淨化度指示燈不點亮	<ul style="list-style-type: none"> 檢查是否已選擇遙控器上的顯示關模式。如果是，請按遙控器上的顯示開/關按鈕，以打開指示燈。（參見第C-10頁）

錯誤顯示

指示燈	補救措施
“靜音”風速指示燈閃爍	<p>風扇馬達切斷或異常操作停止</p> <ul style="list-style-type: none"> 按開/關按鈕將重設錯誤顯示，但是如果再次出現錯誤，請聯絡您購買本機的店鋪。

規格

型號		FU-P60S		
電源		220伏, 50赫茲		
風速操作	風速	最大	標準	靜音
	額定功率	65 瓦	9.6 瓦	4.0 瓦
	空氣流量	360立方米/小時	138立方米/小時	36立方米/小時
適用面積		~46平方米*		
電源線長度		2.5米		
尺寸		415毫米（闊）x 241毫米（深）x 572毫米（高）		
重量		8.5公斤		

*適用面積是指以最大風速操作本機的面積計算。

- 適用面積表示該空間內某含量的灰塵粒子可以在30分鐘內消除。

關於備用耗電量

當電源插頭插入插座時，本機在備用狀態下的耗電量為0.7瓦。
為節省用電，在不使用本機時請拔掉電源接線。

[illegible]

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