



AstroFresh 240W & AstroFresh 240W/WR

Air Purifier User manual

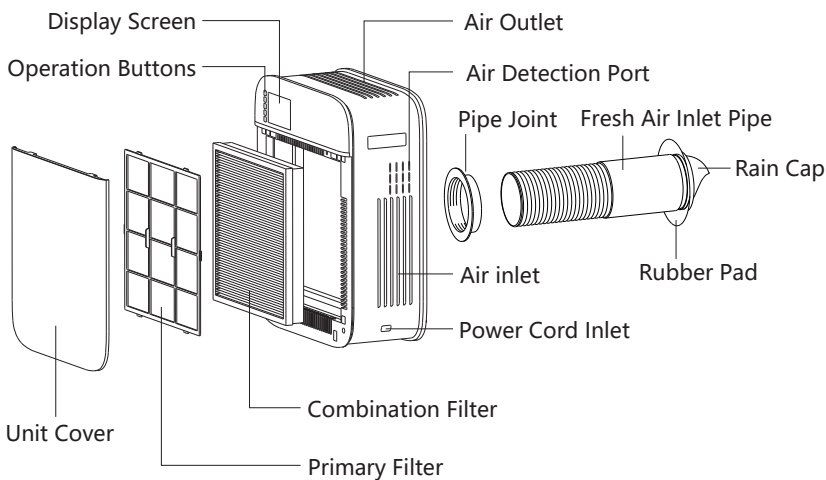
Please read this manual carefully and keep it safely

Introduction

AstroFresh 240W supplies 240m³/h large air volume as a clean air solution for various applications. It adopts micro-positive pressure to effectively prevent outdoor polluted air from entering the room. It is equipped with 254nm UV lamp, which able to sterilize bacteria, with a sterilization rate of 99.9%. It uses one-button intelligent control, and quickly reduce carbon dioxide content by 70% in 60 minutes, keeping the carbon dioxide concentration stable below 500PPM. It is equipped with H13 high-efficiency filter, which can effectively filters allergens such as pollen and dust from entering the room. It uses a high-density activated carbon filter to quickly absorb harmful indoor gases. AstroFresh 240W is equipped with high-precision sensors for carbon dioxide, PM2.5 dust, and TVOC gas, enabling precise monitoring and clear air status. It supports remote control by smartphone/tablet software, which is more convenient and fast.

Packing Details

- (1) Fresh Air Purification Equipment × 1; (2) Power Cord × 1; (3) Wall Mounting Screws & Expansion Tube × 4; (4) Remote Control × 1; (5) AAA Battery × 2; (6) Equipment User Manual × 1; (7) Equipment Warranty Card × 1; (8) Fresh Air Inlet Pipe × 1; (9) Rubber Pad × 1; (10) Pipe Joint × 1; (11) Rain Cap × 1; (12) Hole Positioning Plate×1.



Technical Parameters

Model	AstroFresh 240W	AstroFresh 240W/WR
Rated Voltage	220-240 V	
Rated Frequency	50/60 Hz	
Rated Power	42 W	
Net Weight	7.5 Kg	
Equipment Size	400*190*500 mm	

Product is able to adapt frequency between 50 and 60 Hz, without any configuration.

Safety

This manual provides important safety information to properly install, operate and maintain AstroFresh 240W. Always read and follow all the safety instruction.

Location Requirements

- Use a level surface at least 6" (15.2cm) from heat sources such as stove, heater or dryer.
- Do not block air vent openings or place air purifier on a soft surface such as a bed or sofa.
- Operate indoors only.

Caution in order to prevent fires, electric shocks or severe injury.

Concerning the power supply plug and cord

- ⊘ • Do not unplug while the unit is in operation. (Fire or an electric shock may result from heating)
- Do not plug or unplug with wet hands. (An electric shock may result)
- Do not use in such a way that the ratings of the power socket or wiring appliances are exceeded or use a voltage outside of the range AC220-240V.
(Fire may result from heating if the ratings of multi-socket power adapters, etc., are exceeded)
- Do not pull on the power supply cord when unplugging. (Heating or fire may result from wire breakage)
- Do not subject to acts that might damage them.
 - Such acts include damaging, modifying, forcibly bending, pulling, twisting, bundling up, placing heavy objects on, etc., the power supply plug or cord. If the power supply plug or cord is damaged, it must be replaced by manufacturer, its service agent, or a similar qualified person in order to avoid a hazard.(An electric shock, short circuiting, or fire may result from use while damaged)
- ❗ • Insert the power supply plug firmly all the way in.
 - Do not use a damaged power supply plug or a loosely fitted power socket.(An electric shock or fire, due to heating or short circuiting, may result if the power supply plug is not firmly inserted)
- Periodically wipe dust off the power supply plug with a dry cloth. If the unit is not to be used for an extended period of time, unplug the power supply plug.
(Fire or overheating may be caused by defective insulation resulting from moisture etc.)
- When performing maintenance, inspecting, or moving the unit, make sure to turn off and unplug the appliance. (An electric shock or injury could result)

Do not use in the following places

- ⊘ • Places where oil or flammable gases are used or may leak. (Fire or smoke may result from ignition or suction toward the unit, or injury may result from degradation or cracking of plastic)
- Places where temperature and humidity levels are high or water may scatter, such as a bathroom. (Fire or an electric shock may result from electrical leakage)
- Places accessible to small children. (An electric shock or injury may result)

During use

- ⊘ • Do not use chlorinated or acidic detergents. (Injury may result from the degradation or cracking of plastic, or harm may be caused to health from the production of toxic gases)
- Keep burning cigarettes or incense sticks away from the unit. (Fire or smoke may result from ignition or suction toward the unit)
- Do not insert fingers, sticks, or any other item, into the air inlets or air outlet. (An electric shock, injury, or damage may result)
- Do not pour water on to the air outlet or the unit. (Fire or an electric shock may result)
- Do not use flammable substances (hair spray, insecticide, etc.) near the unit.
- Do not wipe the unit with benzene or thinner. (An electric shock, fire, or cracking may result)

Immediately turn off and unplug the unit if there are any signs of abnormality or damage

Examples of abnormality or damage

- ⊘ • The unit does not operate even if the switch is turned on.
- Current passes through the cord only sometimes if the cord is moved.
- There are abnormal sounds or vibrations during operation.
- The casing of the unit has deformed or is abnormally hot.
- There is a burnt smell.
(Malfunctioning, an electric shock, smoke, fire, etc., may result if the abnormality is not addressed and the unit continues to be used)

Caution in order to prevent short circuiting, injury or property damage.

During use

- ⊘ • Small children or immobile person (due to illness or injury) should not operate the unit by themselves.
- Do not use products, such as cosmetics, that contain fine powder, near the unit.
(An electric shock or malfunctioning may result)
- Do not operate the unit when fumigating insecticide is in use.
-After using insecticide, make sure to sufficiently ventilate the room before operating the unit.
(Harm may be caused to health from an outflow of accumulated chemical compounds from the outlet)
- Do not use near a smoke detector.
-If out flowing air flows in the direction of a smoke detector, the response of the smoke detector may be delayed or it may fail to detect smoke.
- ❗ • Frequently ventilate the room when using the unit together with combustion-based heating devices.
-Usage of this product is not a substitute for ventilation. (Potential cause of carbon monoxide poisoning)
This product cannot eliminate carbon monoxide.

Concerning the unit body

- ⊘ • Do not obstruct the air inlets or air outlet with laundry, cloth, curtains, etc.
(Overheating or fire may result from poor circulation)
- Do not climb, sit or lean on the unit. (Injury may result from falling or toppling)

When moving the unit

- ❗ • When picking up the unit to move it, handle the unit with caution.
- Make sure to always hold the unit using the correct grips. (Injury may result from falling)

Warnings on the UV-C LED section

This product is equipped with UV-C LED for sterilization purpose. Make sure that the product does not not operate in the following conditions.

- Do not operate the unit without filter.
- Do not operate the unit with damaged housing. This can potentially cause the UV ray to leak and damage user's eyes and skin.
- Do not look directly at the UV-C LED when it is operating.

Safety design for UV-C LED section

The UV-C LED section is incorporated with safety measures to prevent UV ray being radiated to the environment.

- The unit is equipped with a safety switch on the filter access door for maintenance purpose. It is a safety design to switch off the UV-C LED when the filter access door is opened.

How to use



Caution

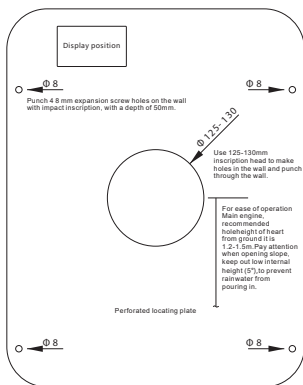
Before using, please always remove the plastic package from the filter.

Turning on

Connect to power socket and press the power button briefly.

Air Inlet Pipe Installation

1. Determine the area where the device is to be installed, determine the location of the outer wall of this area, and fix the configured hole positioning plate at the location where the unit needs to be installed.



Warning:

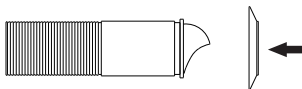
Strictly follow the instructions on the hole positioning plate.

Tips:

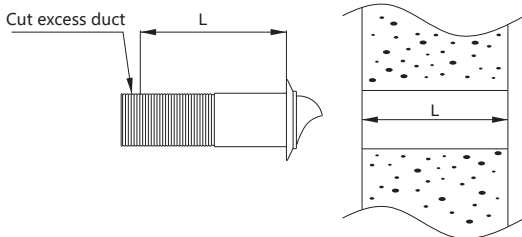
- The unit need to be powered to operate, so the power socket for the unit to plug in is distanced within 1m of the hole positioning plate area.
- Pay attention that there is enough space on the outdoor side of the punching position for the installation of the external vent.

2. According to the hole positioning plate, mark the positions of the holes and drilling holes on the wall, then remove the positioning plate to create holes and drill holes on the wall.

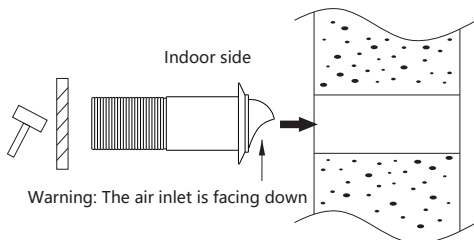
3. Insert the rubber pad from the end of the rain cap to the air inlet pipe.



4. Measure the wall thickness L , and cut the configured air inlet pipe to a suitable length according to the wall thickness.

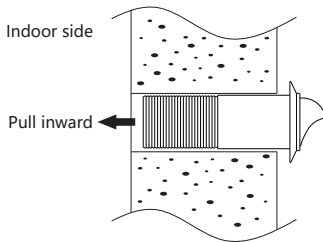


5. Press the air inlet pipe from the room into the air inlet hole until the rubber pad is exposed outside.

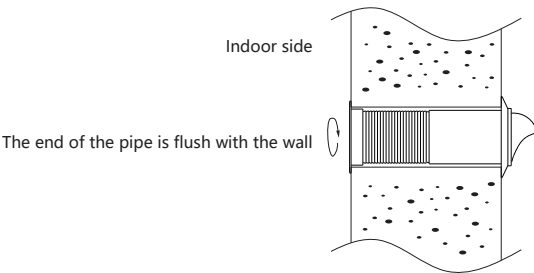


Air Inlet Pipe Installation

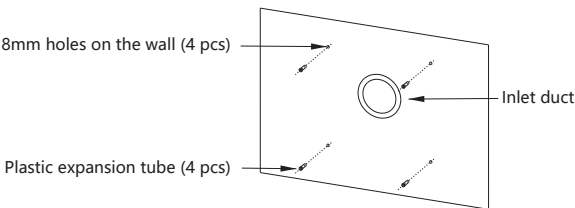
6. Pull the air inlet pipe backwards to make the rubber pad fit tightly with the outer wall.



7. Screw the pipe joint into the outer thread of the air inlet pipe, and the length of the screw-in length should ensure that the device and the end face of the pipe joint flangeare tightly fitted.

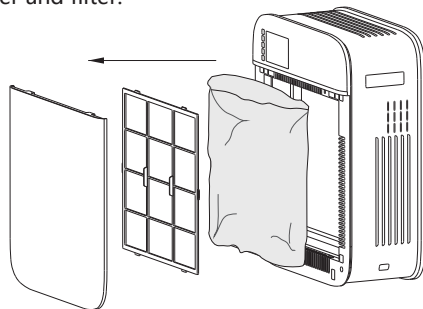


8. Insert the plastic expansion tube into the four 8mm holes on the wall, the end face is flush with the wall.

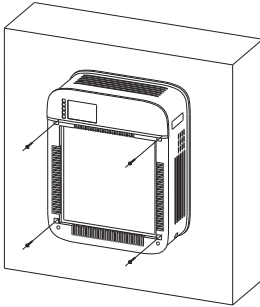


Unit Installation

1. Remove the Unit cover and filter.



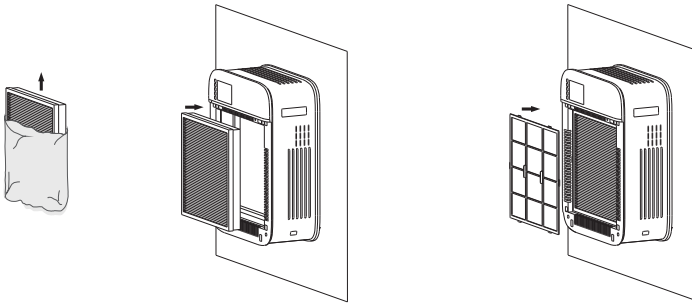
2. Place the unit on wall surface, align the four installation holes in the corner of the host with the four holes with a diameter of 8mm in the wall (the holes must first be filled with plastic expansion pipes), and fix the unit on the wall with screws.



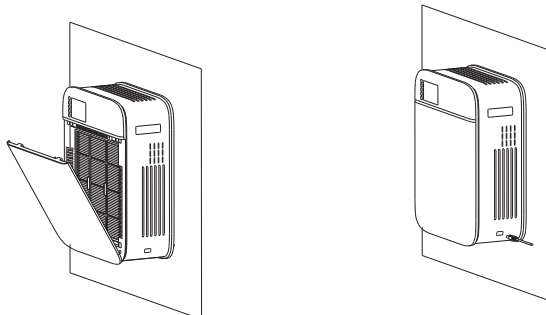
Warning:

The screw is not recommended to be screwed too tight, it is possible to produce vibration resonance when the equipment is running.

3. Tear off the protective film of the filter, first place the combined filter inside the unit, then install the primary filter.

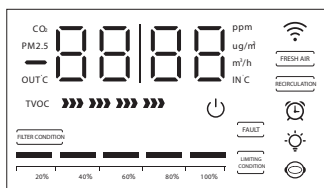


4. After covering the unit cover and confirming that the unit panel is firmly covered, plug in the unit power supply.

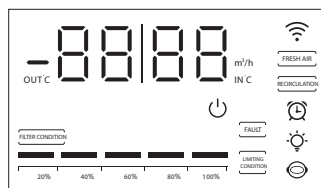


Connect one end of the power cord to the unit, make sure the connection is secure, and then connect the other end to the power supply.

Operation guidance



AstroFresh 240W



AstroFresh 240W/WR



On/off:

In the standby state, click the On/Off button to start the device.

AstroFresh 240W: The screen displays the indoor CO2 value, TVOC concentration, filter life, and cycle mode.

AstroFresh 240W/WR: The screen displays indoor and outdoor temperature, filter life, and cycle mode.



Fan Speed

Click the Fan Speed button, the screen displays the current air volume, click the button again to adjust the air volume, the air volume setting cycles from 60, 120, 180, 240 CMH. (Adjusting the air volume will exit the Auto Mode)

Display adjustment:

AstroFresh 240W device screen displays the default CO2 value. Press and hold the button for 3 seconds or more, and the screen display will switch to PM2.5 value. Press the button again for 3 seconds or more, and the screen display will switch to indoor/outdoor temperature values.



Timer

Click the Timer button, the screen displays the timing interface, click the button again, and the timing setting will be adjusted cyclically from 0H-12H. 0H is to turn off the Timer function.

WIFI settings:


Press and hold the button for 3 seconds or more until the WIFI icon flashes, open the mobile APP to configure the network configuration, the icon changes from flashing to constant light, indicating that the WIFI network configuration is successful.



UV

Click the button to turn on/of the UV lamp and turn on the sterilization function.

Filter reset:



The icon  flashes on the screen, indicating that the filter life is about to run out. Please replace the filter as soon as possible; after replacing the filter, press and hold the button for 3 seconds or more, the buzzer will beep once, and the filter life timer setting is reset.



Mode:

Click the button to adjust the unit mode (indoor recirculation or outdoor fresh air mode.)

Auto

Long press this button for 3 seconds or more, the buzzer will beep once, and the Auto icon  will be displayed on the display to run the Auto mode; long press the button again for 3 seconds or more, the buzzer will beep once and  disappear, and the Auto mode will terminate.

Remote control instructions

On / off

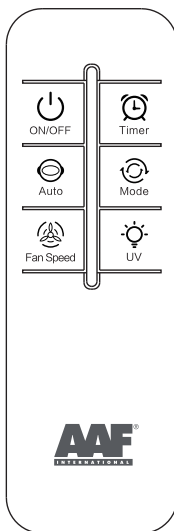
Turn the device on or off

Auto

Turn auto mode on or off

Fan Speed

Adjust the air volume, when auto mode is running, adjusting the fan speed will automatically exit the auto mode.



Timer

The timing setting is cyclically adjusted from 0H~12H, and 0H is to turn off the Timer mode.

Mode

Adjust the mode of indoor recirculation and outdoor fresh air.

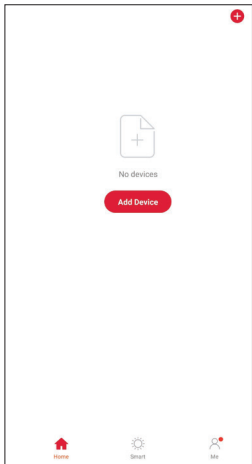
UV

Turn on/of the UV sterilization function.

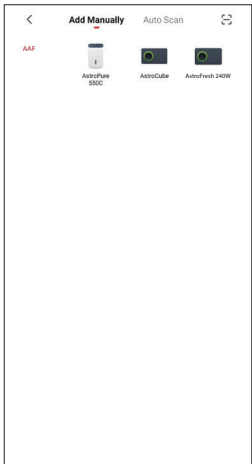
WIFI Distribution Network Settings



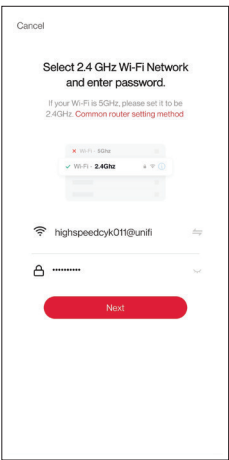
- 1: Scan the code to download the APP, open the APP and follow the prompts to register an account and log in.
- 2: In the boot mode, long press the timer button to enter the network configuration mode.
- 3: Perform network distribution according to the following steps.



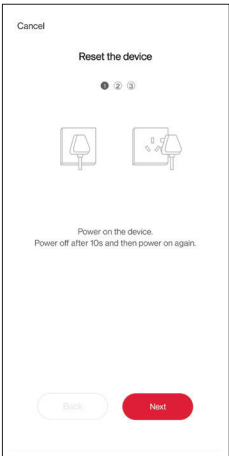
Step1: Open the APP
Click "Add Device"



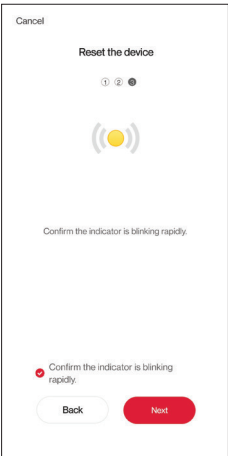
Step2: Select
"AstroFresh 240W"



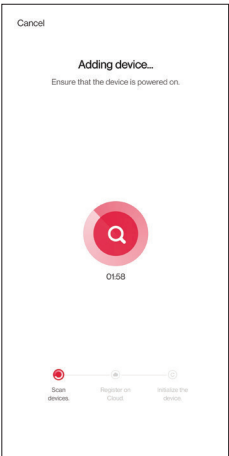
Step3: Choose 2.4G network
Enter WIFI name and password



Step4: Reset the device



Step5: Click "Confirm the indicator is blinking rapidly" Click "Next"



Step6: Wait for the end of the distribution network

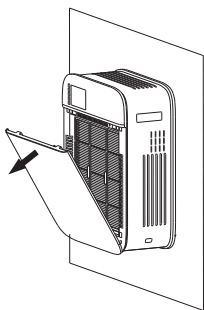
Filter Maintenance

In order to achieve optimal performance, it is recommended to clean and maintain the primary filter every month.

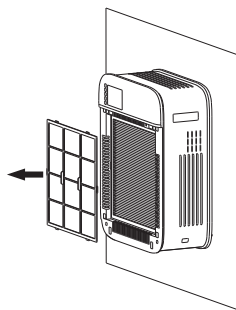
Warning:

Only the primary filter can be cleaned, other filters cannot be cleaned.

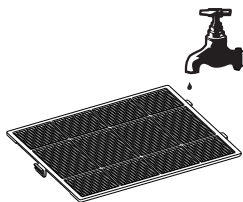
When performing the following operations, be sure to turn off the unit and cut off the power supply.



Open the unit cover



Remove the primary filter



Use a soft brush or vacuum cleaner to remove particles. When cleaning is required, please clean the filter with clean water or soapy water. When the filter is completely dry, place it in the unit.

Troubleshooting

This section lists the problems that may be encountered when using this equipment. If there is a failure in the operation of the equipment, the "fault" icon on the screen lights up and flashes, and the error code will be displayed at the same time.

Status	Possible reasons	Possible solutions
The machine cannot be turned on	The front panel may not be installed properly	Remove the front panel and reinstall the panel
	The power plug is loose	Unplug the power supply and plug it into the power supply
	Damage to power plug or wire	Contact the customer service center or dealer
The fan is not working	The device is not turned on	Plug in the power supply and turn on the machine again
	The motor is faulty	Contact the respective personnel
	Motor loosening	Contact the respective personnel
	The plastic package of each filter has not been removed	Remove plastic packaging from each filter before use
Poor performance or no optimal purification capacity	The primary filter is blocked	Clean the primary filter
	The combination filter was not replaced after the end of its service life	Replace the combination filter
	The air inlet and outlet of the equipment is blocked	Contact the respective personnel
	The plastic package of each filter has not been removed	Remove plastic packaging from each filter before use
	Room coverage is larger than expected	Check whether the area of the room used is complying with the area specified by the equipment

Error Code	Cause Of Failure	Solutions
01E	Fan motor fault	Contact the respective personnel
02E	Operation failure of fresh air valve stepper motor	
03E	Operation failure of stepper motor with internal circulation valve	
04E	Abnormal signal of sensor board received by power supply board	
05E	The display board receives the abnormal signal from the power supply board	
06E	Failure of indoor temperature probe	
07E	Outdoor temperature probe failure	