FINLAND

LIFAair®

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LAS302

Smart Air Purifier + Sterilizer
Please read this user manual carefully before using, and keep for future reference.

Preface

Thank you for choosing LIFAair! You are about to enjoy superior Finnish technology and innovation.

Overview

Understanding Plasma Technology
Plasma is a material form consisting mainly of free electrons and charged ions, often considered to be the fourth state of matter, called the plasma state. Plasma has very high conductivity and strong coupling with electromagnetic fields. Strictly speaking, plasma is a gas mass with high energy and dynamic energy, which contains a large number of reactive oxygen ions. High-energy free radicals and other components can easily react with bacteria, molds, spores, and proteins and nucleic acids in viruses to denature them and cause various microorganisms to die.

The product generates a small amount of ozone while generating plasma, not sufficient to be harmful to the human body and the internal 3G filter can effectively filter the trace amount if present.

Main sterilization: Plasma technology
Sterilization strength: Plasma density 3.46×10^{14} m^{-3}
Effective against type of microorganisms: Common bacteria in the air

Sterilization rate for staphylococcus albus (8032) ≥99.9%
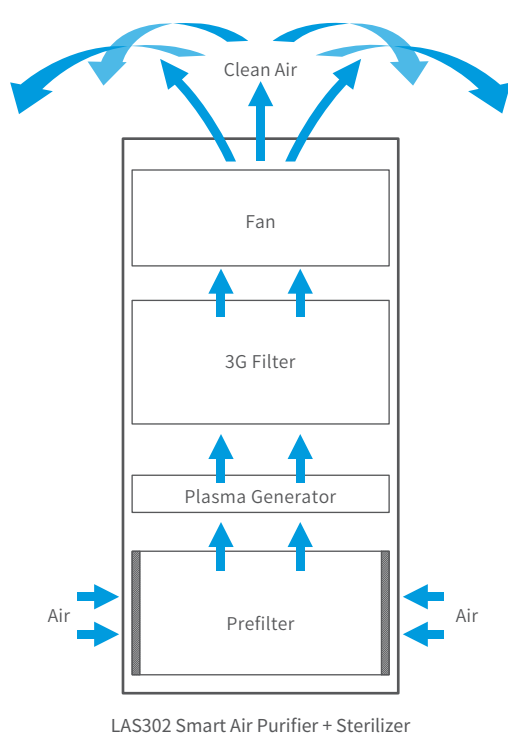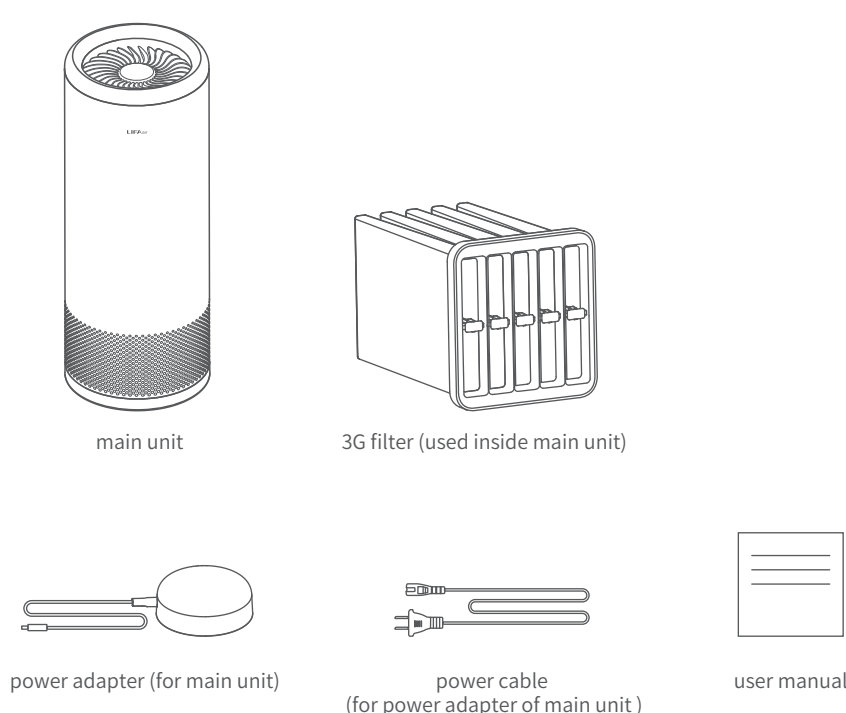
Ideal Use
It is suitable for use in enclosed environments such as library, museums, office buildings and homes, where the air is confined within a space. The LAS302 can eliminate bacteria and viruses at 99.9% efficacy.
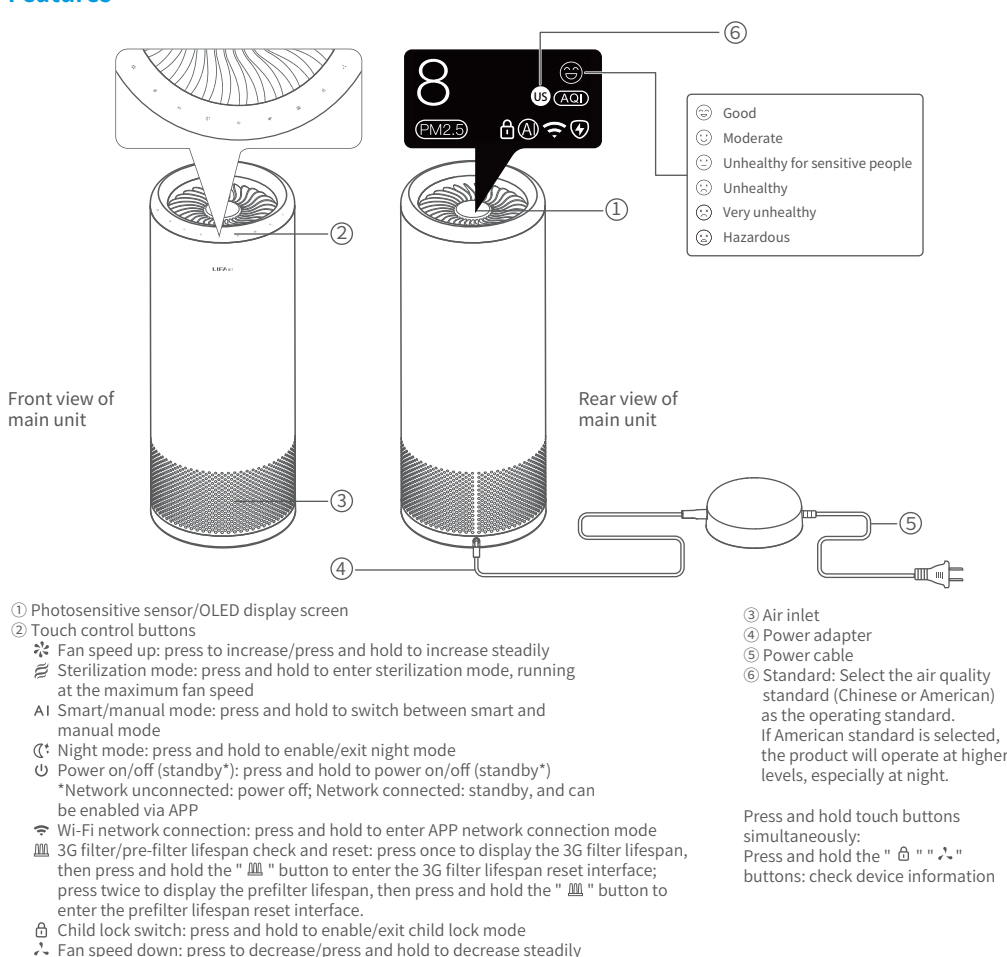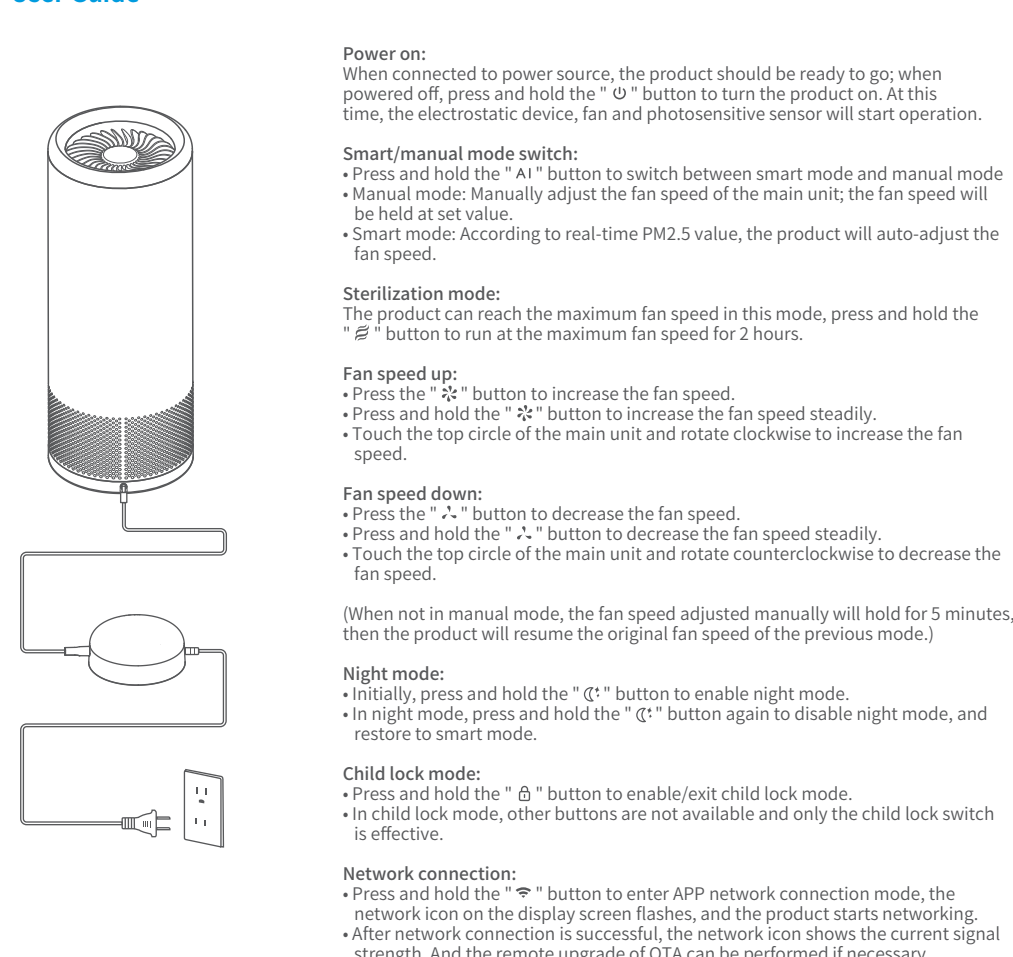

How does the LAS302 work?

A. Sterilization function: Plasma Generator
B. Through the rotating of fan blades, the product pumps indoor air from the bottom and releases out from the top, allowing the air to filter via prefilter, plasma generator, and 3G filter. This three-step filtration sterilizes and eliminates bacteria completely as the machine continues to circulate clean air.
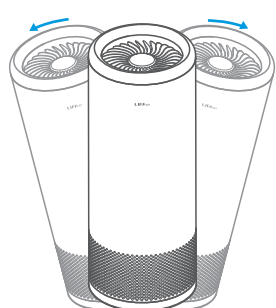C. The operating principle is illustrated as below:

Clean Air
Fan
3G Filter
Plasma Generator
Air — Prefilter — Air

LAS302 Smart Air Purifier + Sterilizer

Packing List

main unit

3G filter (used inside main unit)

power adapter (for main unit)

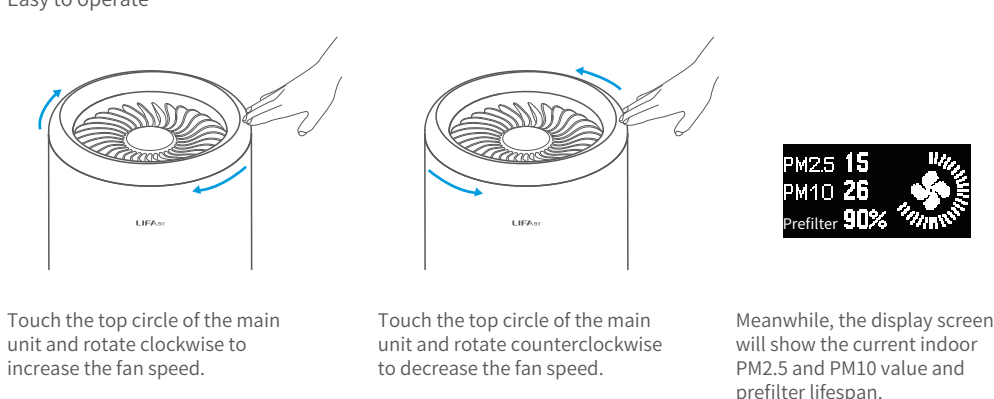power cable (for power adapter of main unit)

user manual

Note: Due to product and software upgrades, operation interfaces shown on this manual may be slightly different from actual product. If any difference is found, the actual product prevails.

Features

Front view of main unit

Rear view of main unit

⑥
○ Good
○ Moderate
○ Unhealthy for sensitive people
○ Unhealthy
○ Very unhealthy
○ Hazardous

① Photosensitive sensor/OLED display screen
② Touch control buttons
  ⏻ Fan speed up: press to increase/press and hold to increase steadily
  ✦ Sterilization mode: press and hold to enter sterilization mode, running at the maximum fan speed
  Al Smart/manual mode: press and hold to switch between smart and manual mode
  ☾ Night mode: press and hold to enable/exit night mode
  ⏻ Power on/off (standby*): press and hold to power on/off (standby*)
    *Network unconnected: power off, Network connected: standby, and can be enabled via APP
  📶 Wi-Fi network connection: press and hold to enter APP network connection mode
  📶 3G filter/pre-filter lifespan check and reset: press once to display the 3G filter lifespan, then press and hold the " ▤ " button to enter the 3G filter lifespan reset interface, press twice to display the prefilter lifespan, then press and hold the " ▤ " button to enter the prefilter lifespan reset interface.
  🔒 Child lock switch: press and hold to enable/exit child lock mode
  ∨ Fan speed down: press to decrease/press and hold to decrease steadily

Note: Do not block the sterilizer's opening.

③ Air inlet
④ Power adapter
⑤ Power cable
⑥ Standard: Select the air quality standard (Chinese or American) as the operating standard. If American standard is selected, the product will operate at higher levels, especially at night.

Press and hold touch buttons simultaneously:
Press and hold the " ⏻ "+" ∨ " buttons: check device information

User Guide

Power on:
When connected to power source, the product should be ready to go; when powered off, press and hold the " ⏻ " button to turn the product on. At this time, the electrostatic device, fan and photosensitive sensor will start operation.

Smart/manual mode switch:
• Press and hold the " Al " button to switch between smart mode and manual mode
• Manual mode: Manually adjust the fan speed of the main unit; the fan speed will be held at set value.
• Smart mode: According to real time PM2.5 value, the product will auto-adjust the fan speed.

Sterilization mode:
The product can reach the maximum fan speed in this mode, press and hold the " ✦ " button to run at the maximum fan speed for 2 hours.

Fan speed up:
• Press the " ⏻ " button to increase the fan speed.
• Press and hold the " ⏻ " button to increase the fan speed steadily.
• Touch the top circle of the main unit and rotate clockwise to increase the fan speed.

Fan speed down:
• Press the " ∨ " button to decrease the fan speed.
• Press and hold the " ∨ " button to decrease the fan speed steadily.
• Touch the top circle of the main unit and rotate counterclockwise to decrease the fan speed.

(When not in manual mode, the fan speed adjusted manually will hold for 5 minutes, then the product will resume the original fan speed of the previous mode.)

Night mode:
• Initially, press and hold the " ☾ " button to enable night mode.
• In night mode, press and hold the " ☾ " button again to disable night mode, and restore to smart mode.

Child lock mode:
• Press and hold the " 🔒 " button to enable/exit child lock mode.
• In child lock mode, other buttons are not available and only the child lock switch is effective.

Network connection:
• Press and hold the " 📶 " button to enter APP network connection mode, the network icon on the display screen flashes, and the product starts networking.
• After network connection is successful, the network icon shows the current signal strength. And the remote upgrade of OTA can be performed if necessary.

Do Not Tilt

Note: Use with caution and avoid tilting the product!
When it is tilted, a built-in sensor will turn off the unit, so as to avoid damage to the product and its parts.

Manually Control Fan Speed

Easy to operate

Touch the top circle of the main unit and rotate clockwise to increase the fan speed.

Touch the top circle of the main unit and rotate counterclockwise to decrease the fan speed.

Meanwhile, the display screen will show the current indoor PM2.5 and PM10 value and prefilter lifespan.

APP Connection

Scan the QR code to download and install the LIFAair APP.
After installation is complete, add device in the APP, and follow instructions to operate.
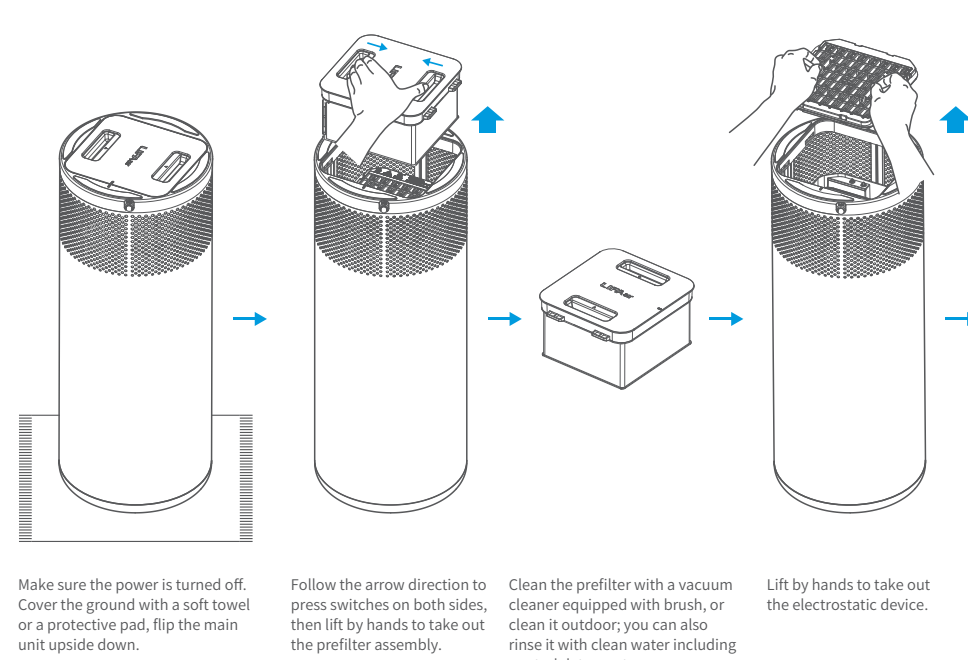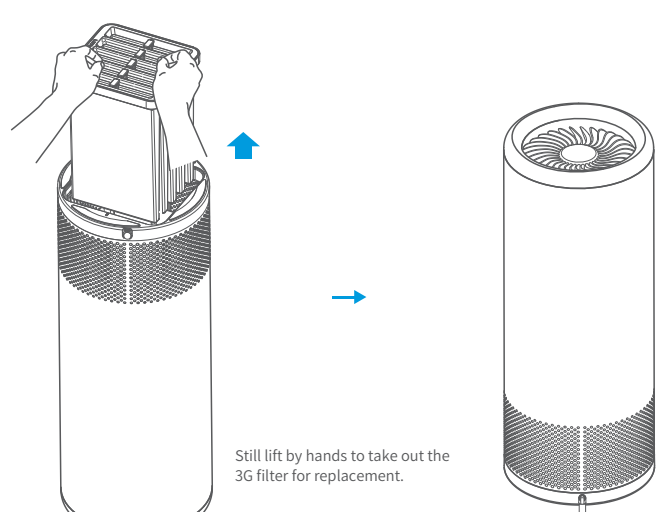
Prefilter Cleaning and 3G Filter Replacement

(Turn off the main unit, unplug the power cable and then proceed to clean prefilter or replace 3G filter)

APP reminder:
The product has a reminder feature. When the "Prefilter Lifespan"/"3G Filter Lifespan" indicated by the display screen reaches below 5%, the APP will alert you to clean or replace soon.

Check manually:
Press the " ▤ " button once to check 3G filter lifespan;
Press the " ▤ " button twice to check prefilter lifespan.

Prefilter Lifespan Less Than 5% Clean Soon	3G Filter Lifespan Less Than 5% Replace Soon

Make sure the power is turned off. Cover the ground with a soft towel or a protective pad, flip the main unit upside down.

Follow the arrow direction to press switches on both sides, then lift by hands to take out the prefilter assembly.

Clean the prefilter with a vacuum cleaner equipped with brush, or clean it outdoor; you can also rinse it with clean water including neutral detergent.

Lift by hands to take out the electrostatic device.

After replacing the 3G filter:
Press the " ▤ " button once to display the 3G filter lifespan, then press and hold the " ▤ " button once to enter the 3G filter lifespan reset interface, and press and hold again to reset the 3G filter lifespan, so as to restart the smart monitoring for the 3G filter lifespan.

Reset 3G Filter? Press and Hold to Confirm	3G Filter Reset Successful

After cleaning the prefilter:
Press the " ▤ " button twice to display the prefilter lifespan, then press and hold the " ▤ " button to enter the prefilter lifespan reset interface, and press and hold again to reset the prefilter lifespan, so as to restart the smart monitoring for the prefilter lifespan.

Reset Prefilter? Press and Hold to Confirm	Prefilter Reset Successful

Still lift by hands to take out the 3G filter for replacement.

After replacing the 3G filter, please re-install in reverse order. Flip the main unit carefully back to the upright position. Then turn the power on for use.
(* If only clean the prefilter without replacing the 3G filter, you do not need to take out the electrostatic device and 3G filter.)

Warning: To minimize error, do not remove the prefilter. If it is damaged, please replace it from authorised dealers only.

Specifications

Product name: Smart Air Purifier + Sterilizer
Model number: LAS302
Rated voltage: 24V⎓
Rated power: 45W
Standby power: 0.3W
SPL: <66dB(A)
Particle Clean Air Delivery Rate (CADR particulate matter): 310m³/h
Particle Cumulate Clean Mass (CCM particulate matter): P4 level
Particle purification efficiency: high efficient level
Sterilization rate of H1N1 virus: ≥99.99%
Sterilization rate of staphylococcus albus: ≥99.9%

Circulating air volume: 310m³/h
Applicable volume: ≤38.5m³
Sterilization time: ≤2 hours
Plasma density: 3.46×10^{14} m^{-3}

Note: Performance data above are in accordance with WS/T 648-2019 and GB/T18801-2015 tested by the third-party laboratories.

Troubleshooting

The main unit not working?
Please check whether the power cable is connected properly.
Please check whether the product is at minimum fan speed.

Running noise?
Please check whether there is any foreign objects around the air inlet.

Cannot connect to APP?
Please ensure it is 2.4G signal of Wi-Fi, as 5G signal is not supported.
Please ensure Wi-Fi password is correct.
Please keep the device, mobile phone, and router as close as possible to ensure the signal strength.
Please restart the machine and mobile phone, then try again.
Please feel free to contact our official customer service.

Customer Service – International
If you have any questions, please contact us at care@lifa-air.com or visit us at www.lifaair.com

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