



USER MANUAL

REPAIR ADVICE

1. Please read this user manual to operate this product properly and safely.
2. Only Plasma Science technicians who have undergone the required training are able to fix the air purifier.
3. Please inform Plasma Science Pte Ltd when the air purifier is malfunctioning and do not attempt to fix it. Unplug the wire and switch off the power and leave the rest to our technicians.

STATEMENT OF ENVIRONMENT IMPACT

1. All the packaging materials are recyclable and environmentally friendly. To preserve a healthy environment, kindly dispose of these packaging materials in an eco-friendly manner.
2. Please keep packaging materials away from children as playing with plastic films and cartons can result in a room-breathing mishap.
3. Please help safeguard the environment by recycling or disposing of waste properly.

TECHNICAL SPECIFICATIONS

Rated Voltage	220V
Rated Frequency	50Hz
Rated Power	60W
Smoke CADR	400 m3/h
Formaldehyde CADR	300 m3/h
Estimated Lifespan	10 Years
Coverage Area	Up to 74sqm

CUSTOMER SERVICE

Email: sales@tridentair.sg
 Phone: +65 94573681
 Operating hours: Monday - Friday 9:00am - 5:00pm
 Website: www.tridentair.sg

Company: PLASMA SCIENCE PTE LTD
 Address: 7 Yishun Industrial Street 1 #03-49 North Spring Bizhub, Singapore 768162

WARRANTY

NOTE: Please keep e-receipt as proof of purchase.

Standard Warranty Period: 2 years against manufacturer's defects, unless otherwise stated.

Standard warranty is on-site service for first 30 days, and thereafter, CARRY-IN service to Trident Customer Service Centre:

7 Yishun Industrial Street 1 #03-49 North Spring Bizhub
 Singapore 768162

For pick-up & delivery and on-Site service, additional charges apply. Please contact our customer hotline to arrange an appointment.

PACKING LIST

Item Description	Quantity
Trident Air MINI-2	1 PC
Pre-Filter Aluminum Mesh	2 PCs
High Efficiency CAGE Filter	2 PCs
Ozone Emission Removal Filter	2 PCs
CAGE-360 Filter	1 PCs
Cold Plasma Ion Activator	1 PC

PRODUCT & ACCESSORIES

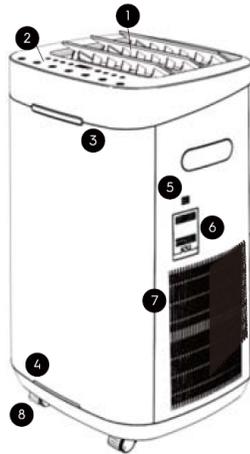


Diagram 1

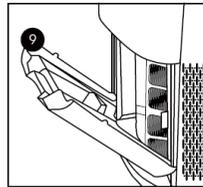


Diagram 2

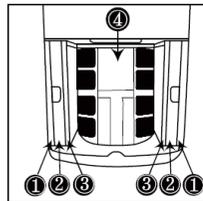


Diagram 3

Diagram 1

1. Air Outlet Louvers
2. Control Panel
3. PM2.5 Indicator
4. VOC Indicator
5. VOC Sensor Cover
6. PM2.5 Sensor Cover
7. Air Inlet
8. Wheels

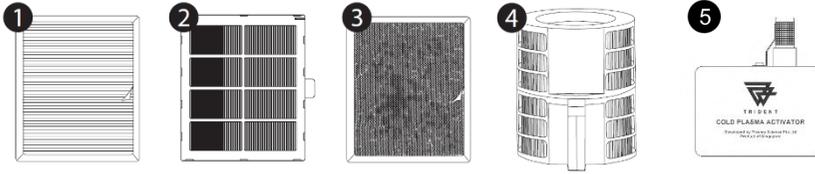
Diagram 2

9. Filter Cover (back)

Diagram 3:

1. Stainless Steel Mesh filters
2. Calibrated Advanced Graphene Electrostatic (CAGE) filters
3. Ozone Emission Removal filters
4. CAGE-360 filter
5. Trident Cold Plasma Activator is located behind CAGE-360 filter.

SAFE AIR DOME TECHNOLOGY



Trident's Triple Action HUNT-CATCH-KILL Overview:

With proprietary cold plasma activator and patent-pending CAGE filters, Trident keeps your air SAFE and CLEAN.

HUNT

The Trident Cold Plasma Activator **(5)** simulates the sun's process of diffusing positive and negative oxygen ions while producing no heat, light, or other unwelcome byproducts. Sanitizing surfaces and the air effectively. 99.99% of the airborne viruses, germs, VOCs, and allergens are hunted and killed by the ions that are released into the environment.

CATCH

Larger particles from PM5.0, pollutants, and allergens such as pollen, pet hair, and dander are captured by the stainless steel mesh pre-filter **(1)**. Unlike plastic filters, these durable pre-filters are washable and reusable for up to 10 years.

By using less energy and having higher Clean Air Delivery Rate (CADR), Trident's CAGE (Calibrated Advanced Graphene Electrostatic) filters **(2)** can clean and disinfect an area up to five times faster than conventional mechanical filters.

CAGE filters effectively eradicate smoke and odor with its strong 99.9% absorption rate of tiny and aerosol particles of 0.1-micron size. The CAGE plates also create potent 4–8KV voltage charge that rapidly kills bacteria and viruses by obliterating their proteins and cells. These CAGE filters are washable and reusable up to 10 years.

Ozone Emission Removal filters **(3)** eliminate harmful ozone gas from the environment to less than 1 part per billion (ppb).

CAGE-360 filter **(4)** captures any remaining airborne particles and pathogens, resulting in the removal of 99.99% particle pollutants as small as 0.1 microns, virus, bacteria, and molds. CAGE-360 filter is washable and reusable up to 10 years.

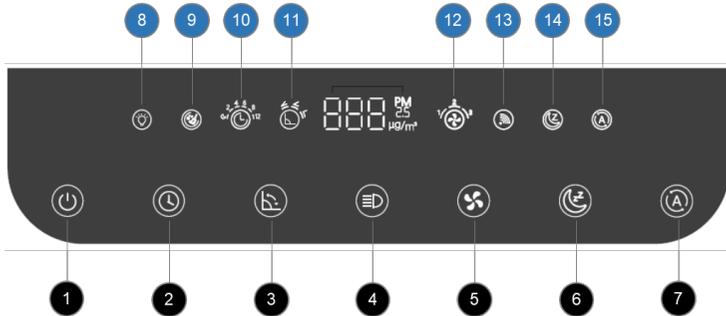
KILL

The revolutionary triple action **Safe Air Dome** Technology is developed in collaboration with a group of passionate scientists and engineers to inhibit virus and bacteria transmission within 30 minutes of usage and achieves up to 99.99% disinfection.

Applications:

Suitable for use at places such as homes, workplaces, schools, hospitals, restaurants, daycare facilities, and clinics.

INSTRUCTIONS FOR USE



1. **ON/OFF:** The power button icon turns red whenever the wall socket connected to Trident is turned on. Pressing the power button will turn the power on or off accordingly. All keys will illuminate in white when the machine is turned on.
2. **TIMER / FILTER RESET:** Quickly pressing the timing icon, shifts the timer from 2, 4, 6, 8, 12 Hours. Display icon 10 will appear as appropriate. Long press this button for 3 secs to reset the "wash filter" reminder.
3. **FAN LOUVER ANGLE / WIFI:** Shifts angle of louvers at 30, 60, and 90 degrees, as shown on the display icon 11. Long press button to enter WIFI-enabled configuration mode, and phone app will be able to search for device to add.
4. **LIGHTS ON/OFF:** Press the button to turn on and off the sensor lights and control panel lights.
5. **FAN SPEED:** Press the button quickly to switch to speeds 1–3 and simultaneously display icon 12.
6. **SLEEP:** Press this button to enter sleep mode, where the lights are turned off and fan is reduced to low speed.
7. **AUTO:** Press this button to enter into AI-mode where fan speed increases according to the air quality detected by both built-in PM2.5 and TVOC sensors.
8. **LIGHTS ON/OFF DISPLAY**
9. **FILTER WASH REMINDER DISPLAY**
10. **TIMER DISPLAY**
11. **FAN LOUVER ANGLE DISPLAY**
12. **FAN SPEED DISPLAY**
13. **WIFI DISPLAY**
14. **SLEEP MODE DISPLAY**
15. **AUTO MODE DISPLAY**

AIR QUALITY COLOUR DISPLAY

According to the current *PM2.5 condition*, the machine **PM2.5 indicator light** above the front panel changes colour:



The current PM2.5 value will simultaneously be displayed in the display window on the control panel.

According to the present state of *gaseous pollutants*, the **VOC (Volatile Organic Compound) indicator light** beneath the machine's front panel changes color:



WI-FI CONNECTION

DOWNLOAD APP AND REGISTRATION

1. To download the "Smart Life" app, scan the QR code below. Alternatively, you may also search for "Smart Life" in the Google Play or iOS App Store.
2. Launch the App and select "Register" to create an account with "Smart Life" using your phone number or email address to log in.
3. Press and hold on the Fan Louver Angle button to activate the WiFi on MINI-2.
4. Do ensure that your phone's WiFi is connected to 2.4GHz, instead of 5.0GHz, prior to "add device".
5. On the app, click "add device" or press "+" in the top right corner of the homepage. There are two ways to access the "add device" page: manually adding WiFi or automatically search for devices.

When adding a device manually, select any product from the product ring to enter a new homepage and make sure the indicator light flashes quickly.

Ensure that both your phone and smart gadget are powered on and linked to your WiFi. If the WiFi indicator on MINI-2 does not flash, please press and hold the button again for at least 3 seconds until the indicator light begins to flash rapidly, indicating MINI-2 is ready for configuration.







**BACKED BY
SCIENCE.
LOVED BY
PEOPLE.**

Scientifically Proven To Eliminate Viruses, Bacteria, VOCs, Allergens, Odours And Dust With Up To 99.99% Efficacy.



TRIDENT BLISS

KEY FEATURES:

- Fastest Air & Surface Sanitization
- Washable Filters with No Costly Replacements
- Smart Auto Mode with WIFI Control
- Super Low Energy Consumption
- Smart PM2.5 Air Quality Sensor
- Lightweight, Portable.

TECHNICAL SPECIFICATIONS:

Dimensions: 220x220x320mm
Coverage: Up to 30sqm
CADR: 160m3/h
Power: 10-30W
Speed: 1, 2, 3, AUTO
WIFI: Enabled
Noise: 18Db(A) - 40 Db(A)



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TRIDENT SQUARE

KEY FEATURES:

- Fastest Air & Surface Sanitization
- Washable Filters with No Costly Replacements
- Smart Auto Mode with WIFI Control
- Super Low Energy Consumption
- Dual Air Quality Sensors PM2.5 & TVOC
- Wall Mountable

TECHNICAL SPECIFICATIONS:

Dimensions: 480x480x180mm
Coverage: Up to 40sqm
CADR: 300m3/h
Power: 14-58W
Speed: 1, 2, 3, 4, 5, 6, AUTO
WIFI: Enabled
Noise: 20Db(A) - 50 Db(A)



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TRIDENT PLUS

KEY FEATURES:

- Fastest Air & Surface Sanitization.
- Washable Filters with No Costly Replacements
- Smart Auto Mode with WIFI Control
- Super Low Energy Consumption
- Dual Air Quality Sensors PM2.5 & TVOC

TECHNICAL SPECIFICATIONS:

Dimensions: 365x365x675mm
Coverage 60sqm - 138sqm
CADR: 1000m3/h
Power: 14-128W
Speed: 1, 2, 3, 4, AUTO
WIFI: Enabled
Noise: 30Db(A) - 60 Db(A)

Developed & Assembled in Singapore by Plasma Science in collaboration with the Agency for Science, Technology and Research's (A*STAR) Institute of Materials Research and Engineering.



Safe, Clean
Air Guaranteed



Destroys all
airborne viruses
(including Sar-Cov-2), bacteria,
mold, VOCs and pm2.5 pollutants



Complete
Protection
Purify and cleanse
the air around you



Cutting-Edge
Technology
Built with tech developed
in conjunction with A*STAR



Quick &
Efficient
Fastest virus disinfection
rate in the industry