



ETS Products Philippines Inc.

AP- 120EDM/ AP-120

Operating Instructions

Thank you for buying our air cleaner. Each system is carefully manufactured and subjected to a test run to ensure safety and reliability. Please read the instructions carefully before initial use and save them for future reference.

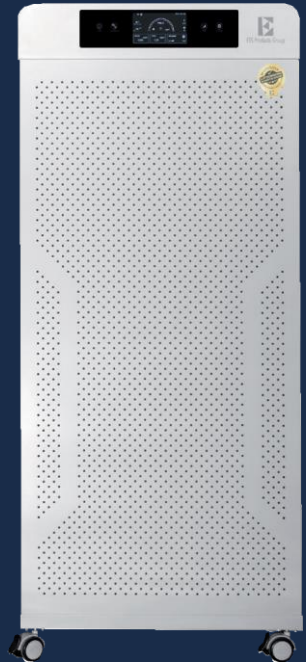


Table of contents

Scope of delivery	03
Specifications	03
Areas of application	04
Test reports	04
System overview	05
Installation instructions	06
Commissioning	06
Control and display field	07
Remote control AP-120EDM	08
tuya app control AP-120EDM	10
Maintenance and cleaning	13
Safety instructions	15
Contact	16

CE RoHS



TuyaSmart App Control;
available in Apple App
Store & Google Play Store.

Scope of delivery

Air cleaner:	1
Power cable:	1
Operating instructions:	1
Remote control (for AP-120EDM):	1

Specifications

Recommended area:	140 m ²
Air volume (CADR):	1200 m ³ /h
Mains voltage*:	110 V / 230 V
Frequency*:	50 Hz / 60 Hz
Power:	120 W
Dimensions (mm):	AP-120 EDM: 1320 x 570 x 320 AP-120: 520 x 310 x 140
Weight:	AP-120 EDM: 43 kg AP-120: 41 kg
Ambient temperature:	5 °C - 40 °C
Relative humidity:	< 80%
Noise level:	~ 51 dB at the highest fan level

* Voltage and frequency depend on the standard of the country or region in which the devices are used. Device data can be found on the product label. Use only devices that are intended for your region.

Areas of application

The system is equipped with a highly efficient filtration and cleaning system including a HEPA H14 Filter (according to EN 1822-1:2009), an activated carbon filter, two (2) titanium dioxide photo-catalyst in conjunction with two (2) UV-C sterilization lamps with a wavelength of 254nm and a plasma generator (bi-polar).

ETS air cleaning systems are used to effectively remove toxins, viruses, bacteria, pathogens, dust, allergens, and odors from the ambient air.

Industry and commerce

Business and office spaces

Medical

Medical practices, waiting rooms, retirement and care homes, hospitals, quarantine facilities

Hospitality and Leisure

Pubs, restaurants, bars, wellness, locker rooms, communal accommodation, hotel rooms

Private households

Living rooms and bedrooms

Certified for:

- > Aerosols
- > Bacteria, viruses
- > Allergies
- > Asthma
- > Hay fever
- > Mould spores
- > Pollen
- > Odours

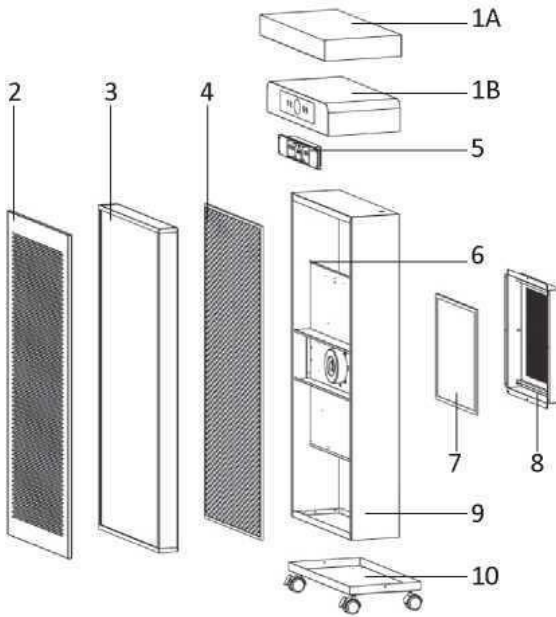
Test reports

The system has been tested and certified for its efficacy. The test reports can be looked up on the Institute website (<http://english.gdim.cn>) using the test certificate numbers below. Upon request we can also send you a soft copy of any required test report.

2020SP8367R04E PM0.3/PM2.5 • 2020SP8367R02E FORMALDEHYDE

2020SP8367R01E VIRUS REMOVAL RATE • 2020SP8367R03E BACTERIA REMOVAL RATE

System overview



- 1A top cover (AP-120)
- 1B top cover
(Touch Screen AP-120 EDM)
- 2 Air outlet
- 3 Activated carbon filter
- 4 HEPA filter

- 5 Control circuit (AP-120 EDM)
- 6 UV-C lamp
- 7 Prefilter
- 8 Protective covering
- 9 Housing
- 10 Plate with wheels

Installation instructions

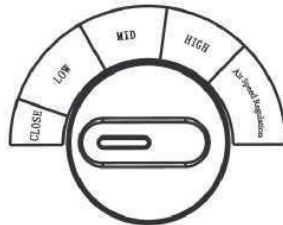
The device must be freestanding during operation with space of at least 30 cm to the rear and to both sides. The rear air inlet, the lateral sensors, and the air outlets must remain free and may not be covered.

Commissioning

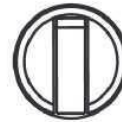
The systems are tested and delivered ready to operate. Remove any packaging and protective film. Ensure that the mains voltage and frequency indicated on page 2 match your mains voltage and use the power cable to connect the system to power.

Control and display fields

Modell AP-120



Switch actuation



UV-C lamp switch

Model AP-120 EDM Display



Numerical display:

PM2.5, HCHO, TVOC, CO2, Temperature, Humidity, Filter Status, Timer, Date.

Status display:

Cleaning level, night mode, automatic/manual mode, WiFi Status.

Function button:

On/Off



Automatic/Manual



Night Mode





Fan Speed Adjustment



Air filter replacement reminder:

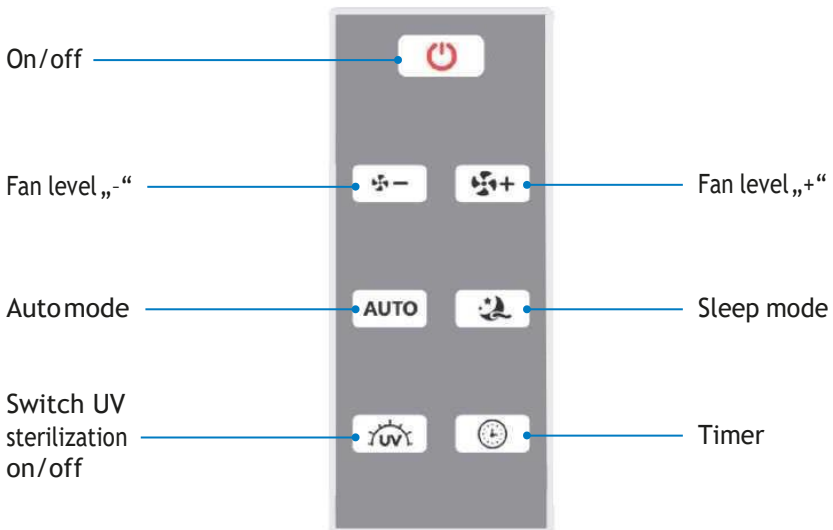
Replacement reminder: The Filter Status displays 0% and flashes. The HEPA Filter must be replaced

Reset after replacement:

After replacing the HEPA filter, press the On/Off button  and the Night Mode button  simultaneously for at least five seconds. The machine emits a signal tone and the Filter Status is reset to 100%.

The lifetime of the HEPA Filter will now be calculated anew. Please also reset the Filter Status when commissioning the AP-120 EDM for the first time.

Remote control (AP-120 EDM)



On/off:

Press the On/Off button to switch on the device. By default, the device runs at Fan Level 1 in manual mode.

Auto mode:

In automatic mode, the fan level is controlled automatically according to air quality.

Timer:

Shut-off time can be planned. After the set time, the air cleaner automatically switches off. The pre-set time can be between one and nine hours.

Sleep mode:

In this mode the system runs at the lowest fan speed level, and the display is switched off. Only the night mode icon is lit up.


UV sterilization:

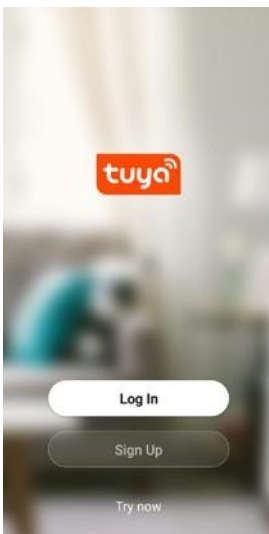
Press the UV sterilization button to set the air cleaner to sterilization mode. The sterilization icon is lit up. Press the button again to leave this mode.

Tuya Smart App Control (AP-120 EDM)

1. Scan the QR code in order to download and install the Tuya Smart App.

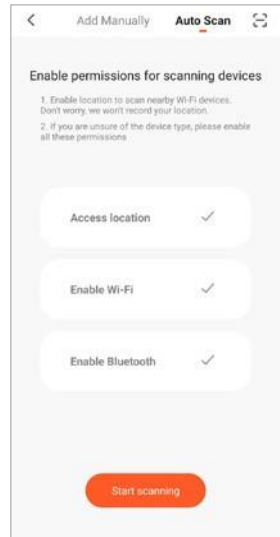
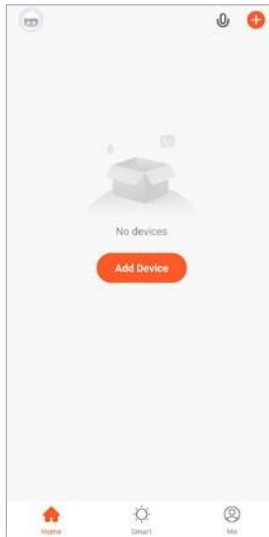
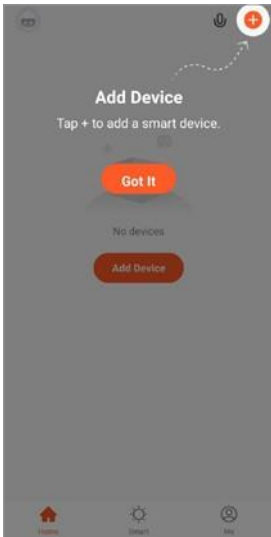


2. Start the Tuya Smart App by clicking on „log in“ (or sign up for the first time) or „try now“ (some of the functions might be not accessible yet).
3. Your Smartphone or Tablet has to be connected to the WLAN network. The System will only connect within 2,4 GHz WLAN Systems. Connect the AP-120 to the power grid and press the power button  for at least 5 seconds until you hear a beep. Now the pairing mode is activated and you can connect the device with your smart phone or tablet.

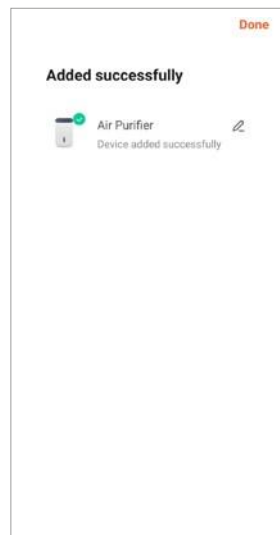
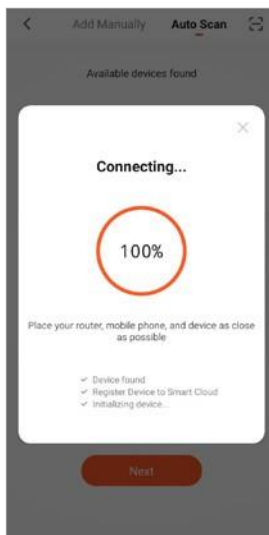


AP-120 EDM Display

4. Within the Tuya App click „ADD DEVICE“ then select „AUTO SCAN“ and enable „access location, Wifi and Bluetooth“. Please ensure that the device and your smartphone/tablet is using the same network. Click on „AUTO SCAN“ to find available devices.



5. Select the new device on your screen and connect it with the system.



6. Now you can give your AP a name and can control it via internet using your smart phone or tablet.



Maintenance and cleaning

To clean the air, the system uses several filters and air cleaning systems simultaneously:

Prefilter

The prefilter filters out large particles such as human hair, animal hair, lint, etc.

HEPA H14 filter

The HEPA H14 filter removes smoke, dust, pollen, allergens, toxins, and fine particles larger than 0.3 μm .

Activated carbon filter

The activated carbon filter removes gases such as benzene and methanol, odors, etc.

Photocatalyst TiO filter and UV-C lamp

Eliminates viruses and bacteria in reactions with the titanium dioxide coating in conjunction with UV-C light with a wavelength of 253.7 nm.

Bi-Polar Plasma

At the plasma stage, air is routed between electrodes carrying high electrical voltage. The generated bi-polar ions are dispersed into the room air and neutralize bacteria, viruses and VOCs.

Use only original replacement parts. They have been harmonized with device operation. Using third-party replacement parts can impair cleaning performance. Doing so invalidates the warranty and the certified efficacies.

Switch off the device and pull the power plug before working on the machine to avoid danger of electric shock.

Take off the top cover to remove the filter. To do this, unscrew the two cross-head screws, one each on the right- and left-hand side of the cover, and remove the cover upwards. After the cover is removed, the filter packages can be removed from the front.

Note for model AP-120EDM:

The control panel is in the cover. The cover must not be left hanging down onto the supply line. Two people are needed to remove the cover. Place it on the housing after the filters have been removed. Secure the cover against falling.

Prefilter

The prefilter must be checked regularly at intervals of no longer than four weeks and cleaned as necessary. The prefilter can be vacuumed off.

HEPA filters and activated carbon filters cannot be cleaned. Do not replace these filters until the system indicates that doing so is necessary.

Note:

The UV lamp may be replaced by technical customer service personnel only.

Safety instructions

- Before use, the rear housing cover must be completely closed.
- Do not open the rear cover or the maintenance panel while the device is in use.
- Before connecting the machine to the power source, ensure that the voltage indicated on the type plate is the same as the mains voltage in your region.
- Do not use the product if the plug, the power cable, or the housing is damaged.
- Keep the product away from children.
- Do not block air inlets and outlets.
- The product is suitable for dry rooms only.
- Clean the housing with a dry or slightly moist cloth.
- Never use alcohol-based cleaning agents to wipe off the housing!

Manufacturer

ETS Products Philippines Inc.
Berthaphil 4 Warehouse 2C
Civil Aviation Complex Clark
Clark Freeport, Pampanga 2023,
Philippines

Contact

Phone +63 (0)45 499 56 07
E-Mail inquiry@ets-products.ph
Internet www.ets-products.ph

You can find more information and technical data about air cleaning systems on our website.



ETS Products Group