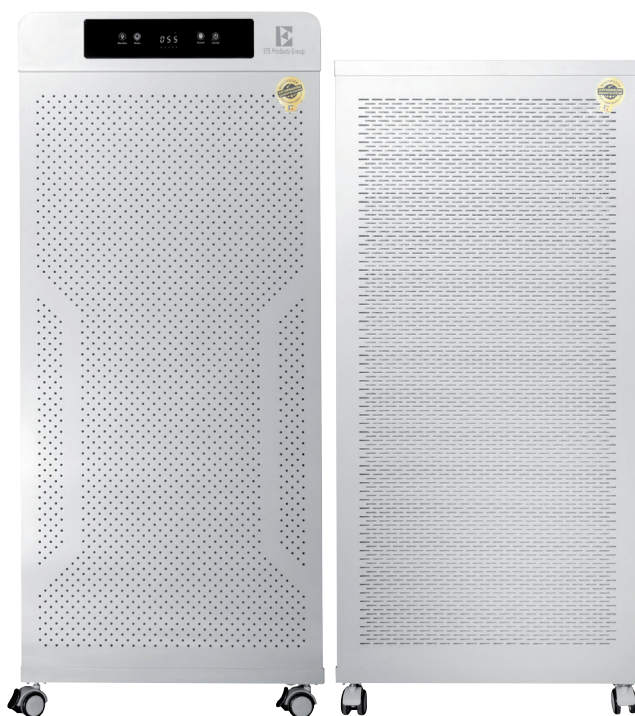


AP-120 EDM AP-120



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.

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Scope of delivery:

Air cleaner - 1, Power cable - 1, Operating instructions - 1, Remote control for AP-120 EDM - 1

Technische Daten	AP-120 EDM	AP-120
Recommended surface	140 m ²	140 m ²
Air volume	1200 m ³ /h	1200 m ³ /h
Mains voltage*	110 V / 230 V	110 V / 230 V
Frequency	50 Hz / 60 Hz	50 Hz / 60 Hz
Power	120 W	120 W
Dimensions (mm)	1320 x 570 x 320	1240 x 575 x 325
Weight (kg)	43 kg	41 kg
Ambient temperature	5 °C – 40 °C	5 °C – 40 °C
Relative humidity	< 80 %	< 80 %
WiFi technology	IEEE 802.11 b/g/n, 2,4 GHz	
WiFi security	WEP, WPA, WPA2	
frequency	2,412 - 2,484 GHz	
Transmission power	< 20 dBm	
Transmission range	max. 50 m	

* 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.

Test reports:

The system has been microbiologically tested. The test reports can be called up with the test number below on the Institute website (<http://english.gdim.cn>). We would also be happy to make them available to you if you need.

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

2020SP8367R01E VIRUS REMOVAL RATE · 2020SP8367R03E BACTERIA REMOVAL RATE

CE RoHS

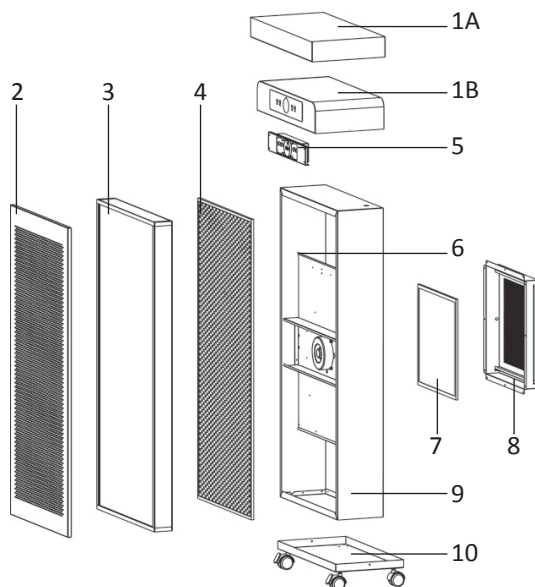


Areas of application:

The system is equipped with a highly efficient filtration and cleaning system including a medical fiberglass HEPA filter (HEPA H14 nach EN 1822-1:2009), an activated carbon filter, two titanium oxide photocatalyst filters, a UV sterilization lamp with a 254 nm wavelength, and a plasma generator.

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

System overview:



1A top cover (model AP-120)

1B top cover (touchscreen
model AP-120 EDM)

2 Air outlet

3 Activated carbon filter

4 HEPA filter

5 (Model AP-120 EDM)

6 UV-C lamp

7 Prefilter

8 Protective covering

9 Housing

10 Plate with wheels

Installation instructions:

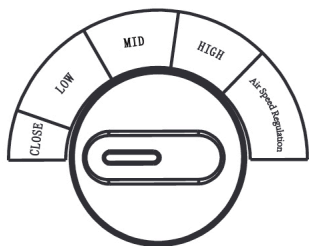
The device must be freestanding during operation with space of at least 30 cm to the rear and to both sides. The rear air inlet, the lateral sensors, and the air outlets must remain free and may not be covered.

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:

Model AP-120

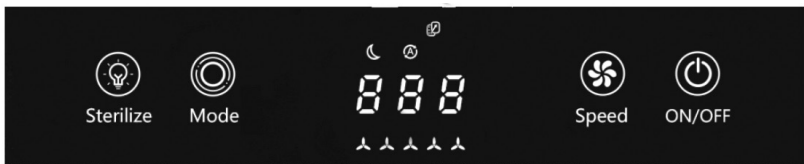


Switch actuation



UV-C lamp switch

Model AP-120 EDM Display



Numerical display:

PM2.5, time preset.


Status display:

Speed status display, air filter replacement display, sleep mode, automatic mode.


Function button:


As on a remote control.


Air filter replacement reminder:

Replacement reminder: The flashing  icon on the device indicates that the HEPA filter must be replaced.

Reset after replacement:

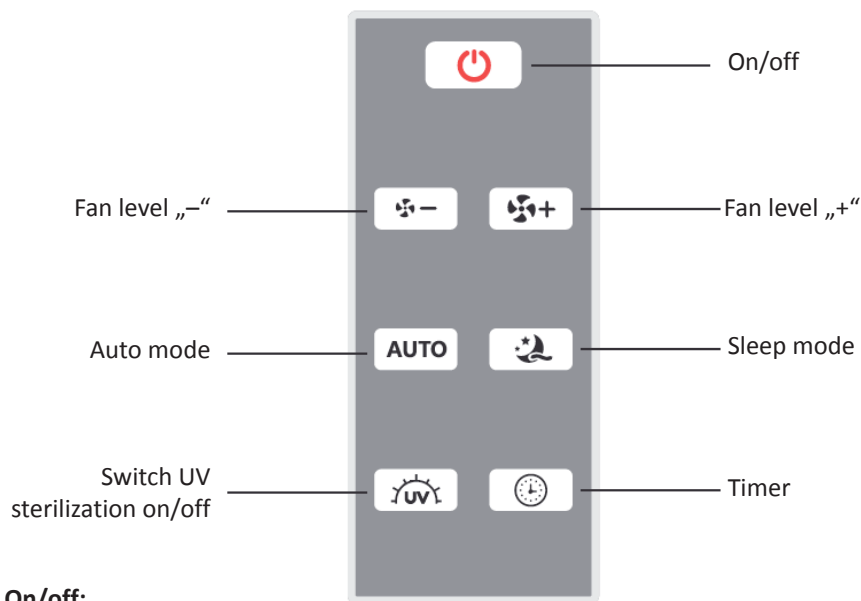
After replacing the HEPA filter, press the On/off button and the speed button  simultaneously for five seconds. The machine emits a signal tone.

The  icon no longer flashes. This means that the filter has been replaced and the duration of filter use re-calculated.

When the device is first used, the  icon flashes as well.

Follow the same procedure as that for replacing the HEPA filter. The device begins re-calculating the duration of HEPA filter use.

Model AP-120 EDM: remote control



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 planned time can be between one and nine hours.

Sleep mode

The mode has minimum wind speed, and the light 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.

Note:

1. Press the On/off button. The air cleaner switches on.
2. Press the fan speed button. At Level 1, the fan begins to operate
3. As necessary, increase fan power by repeatedly pressing the fan speed button.
4. Press the sterilization button. The UV lamp switches on
5. Press the sterilization button again to switch off the UV lamp.

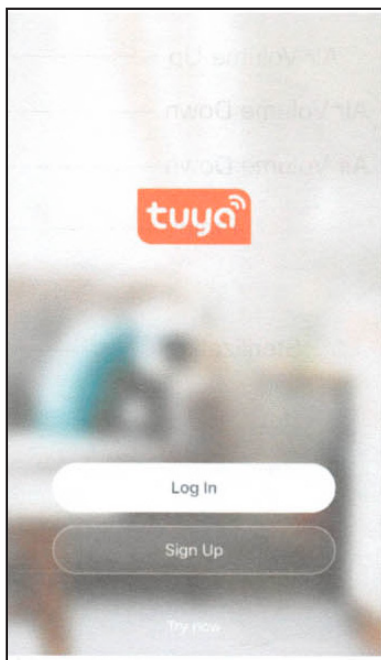
AP-120 EDM and the Tuya app control





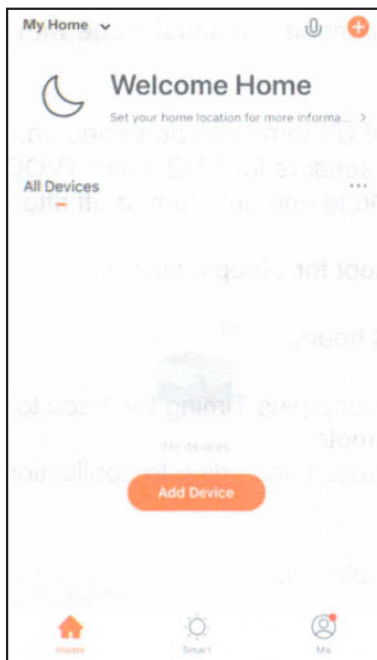
1. Scan the QR code to download the Tuya app or search for it. When it has been downloaded, install it.



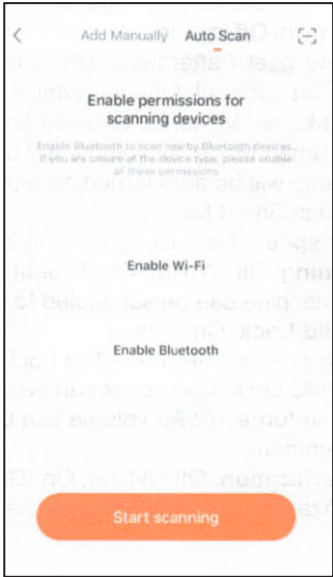
2. Start the Tuya app and click “Login” (click “Register” before your first use) or “Test now” (some app functions may not be available without login).



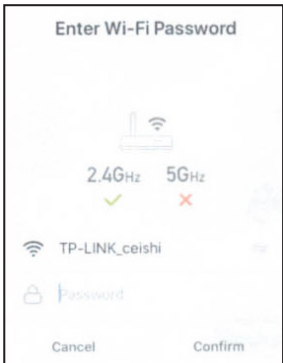
3. Connect the device. Click Switch on  and press **(AI)** for five seconds on the control panel until the light on the control panel light  begins to flash. When the AI button is pressed for ten seconds, the system switches to connection mode so that it can connect to the Tuya app. The app automatically finds the system and asks for the WiFi connection data. After the network ID and password are entered into the app, the access data are transferred to the system. The system then has internet access and can be controlled from the internet. More operation instructions can be found in the Tuya app manual.



4. Click AUTO SCAN; start location services, WiFi (ensure that the cell phone and the device are using the same network), and Bluetooth; and click AUTO SCAN to search for available devices nearby.



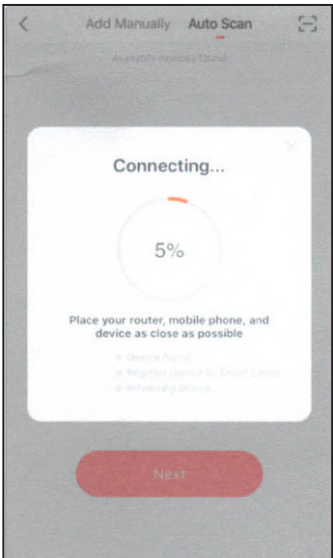
6. Enter the account and the WiFi password for the device (ensure that the device uses the same network as the cell phone with the same correct password). Then click “NEXT”.



5. Click “NEXT” when the app has located the available devices.




7. The app is automatically connected to the device. Connection can take 1-3 minutes. After the “Successfully added” notification, click “Finish”. Click the device name (“Air cleaner”, for example).

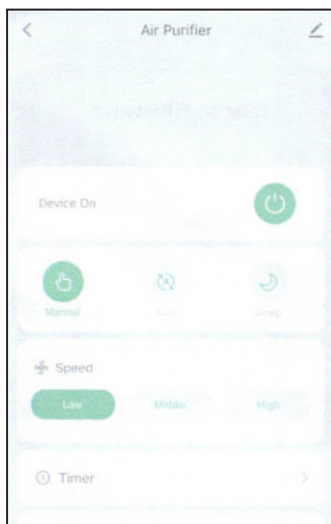


8. The app control interface now appears. Click the icons to control the device remotely. You can now control this device via Tuya.

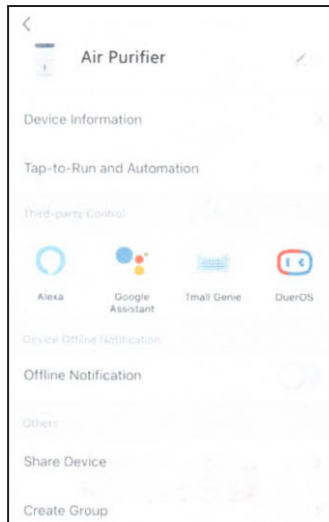


How other users control the device via app.

1. In the settings interface, click  next to the device name.



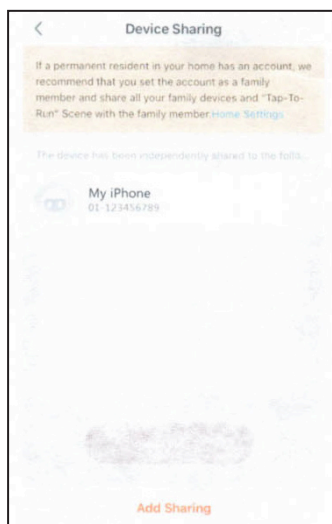
2. Click “Enable device” to enable the device.



3. Click “Enable a new user” to enter another user’s account name.



4. If “Added successfully” is displayed, the other user can now control the device, too.



Maintenance and cleaning levels:

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 filter: The HEPA 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.

UV-C lamp: Eliminates viruses and bacteria in conjunction with UV-C light with a wavelength of 253.7 nm.

Plasma generator: At the plasma stage, air is routed between electrodes carrying high electrical voltage. Plasma neutralizes bacteria, viruses, and mold spores.

➔ 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 guarantee and the test results from the microbiological institute.

➔ 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 housing cover must be completely closed.
- Do not open the cover 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!

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

