

AP-160

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.



ETS Products Group

www.ets-products.com

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CE **RoHS** **SGS**



TuyaSmart App Steuerung;
available from the Apple App
Store & the Google Play Store.

Scope of delivery

Air cleaner:	1
Power cable:	1
Operating instructions:	1
Remote control:	1

Specifications

Recommended area:	160 m ²
Air volume (CADR):	1300 m ³ /h
Mains voltage*:	110 V / 230 V
Frequency*:	50 Hz / 60 Hz
Power:	140 W
Dimensions (mm):	1216 x 600 x 345
Weight:	54 kg
Ambient temperature:	5 °C – 40 °C
Relative humidity:	< 80%
Noise level:	~ 62 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 H13 filter, an activated carbon filter, a titanium dioxide photo-catalyst filter, a UV sterilization lamp with a 254-nm wavelength, and a plasma generator.

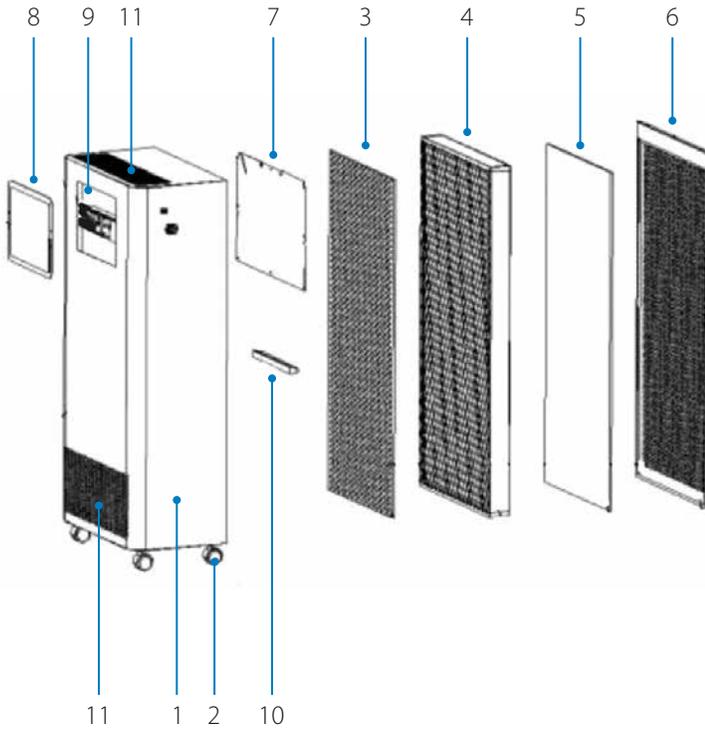
ETS air cleaning systems are used to effectively remove toxins, viruses, bacteria, pathogens, dust, allergens, and odors from the ambient air.

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.

GZF20-017834-07 PM0.3 · GZF20-017834-08 CADR
GZF20-017834-09 BACTERIA REMOVAL RATE

System overview



- | | | | |
|---|-------------------------|----|-------------------------|
| 1 | Housing | 7 | Interior cover |
| 2 | Wheels | 8 | Display touchscreen |
| 3 | Activated carbon filter | 9 | Control board |
| 4 | HEPA filter | 10 | UV-C sterilization lamp |
| 5 | Prefilter | 11 | Air outlet |
| 6 | Air inlet grille | | |

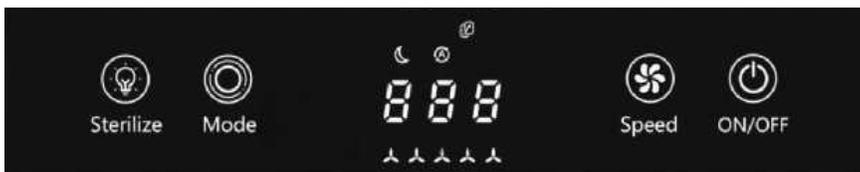
Installation instructions

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 3 match your mains voltage and use the power cable to connect the system to power.

Control and display fields



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

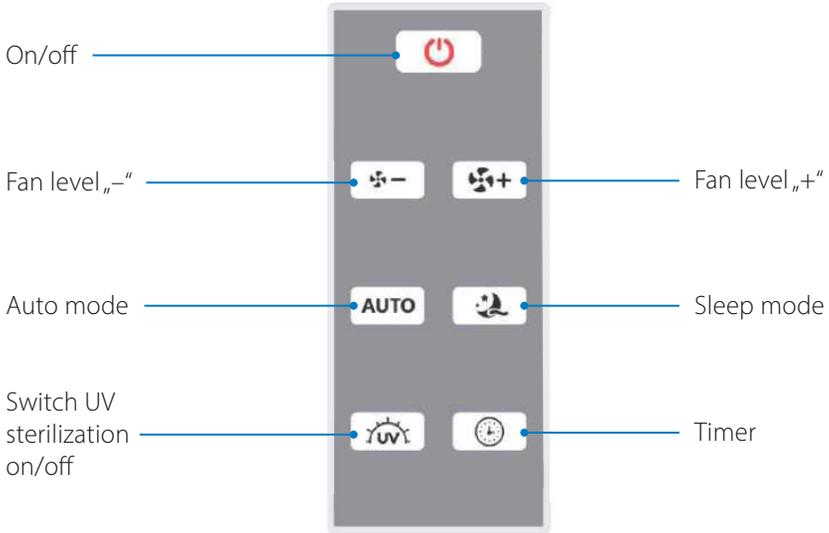
Reset after replacement:

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.

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.

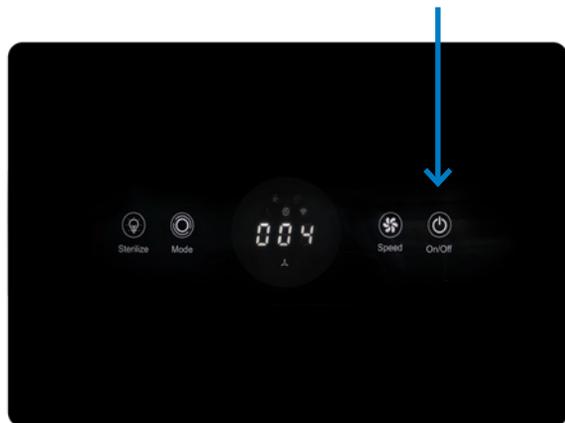
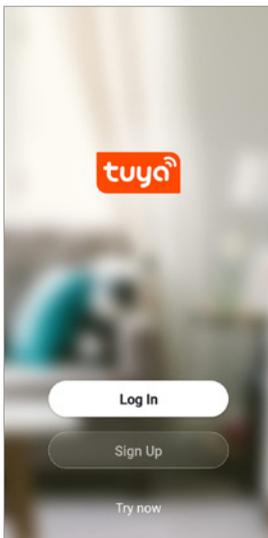
Tuya Smart App Control



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

2. Get the Tuya Smart App started 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. Connect the device and then hold the power button (⏻) for 5 seconds until you hear a beep. Now the pairing mode is activated and you can connect the device with your smart-phone.

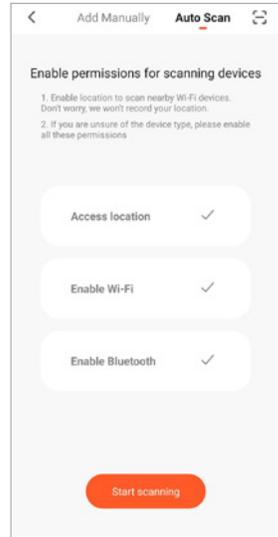
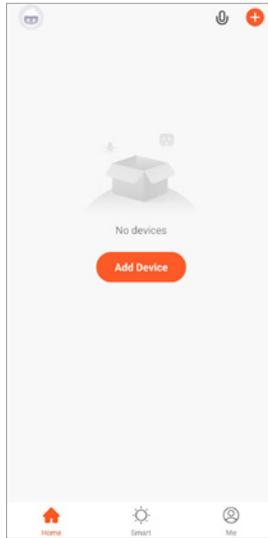
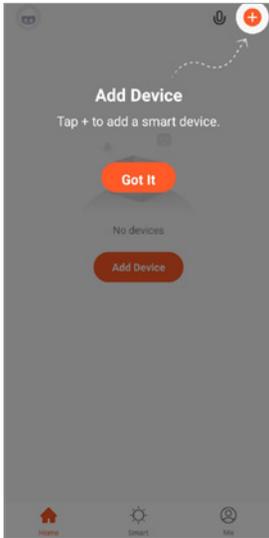


Display on device

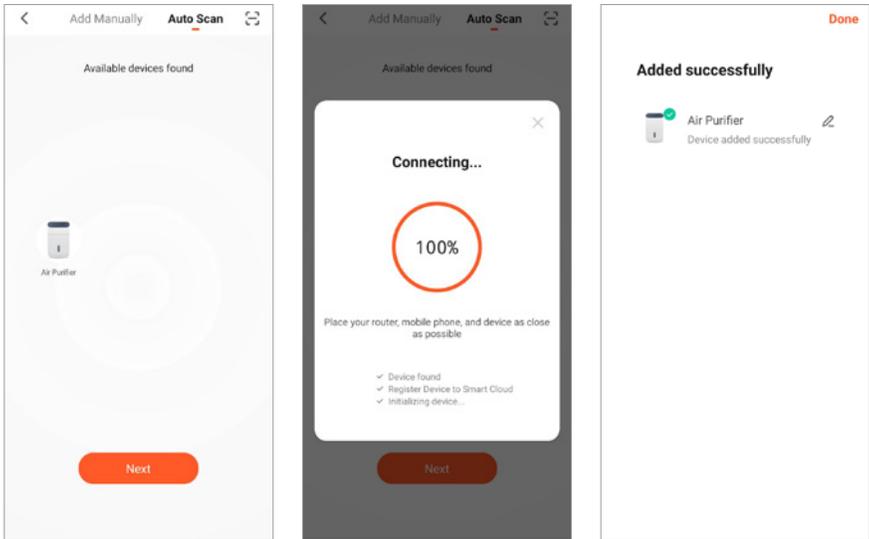
4. Click „ADD DEVICE“ then select „AUTO SCAN“ and enable „access location, Wifi and Bluetooth“.

Please ensure that the device and your smartphone is using the same network.

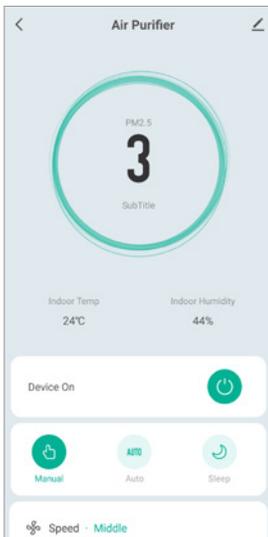
Click on „AUTO SCAN“ to find available devices.



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



6. Now you have full control of the device via your smartphone



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 H13 filter

The HEPA H13 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.

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.

For filter maintenance, remove the three cross-headed screws from the top of the rear cover and take out the filter. To re-insert the filter, use the same sequence as that described in the system overview.

Note:

The photocatalyst filter and the UV lamp are permanently installed and may be replaced by technical customer service personnel only.

Prefilter

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

The prefilter can be either cleaned with a vacuum cleaner or rinsed out with running water. Insert the prefilter only after it has dried completely.

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

The average service life of the HEPA and activated carbon filter is about 6-12 months. Replacement frequency will depend on fan speed, degree of air contamination, and cumulative operating time.

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!

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



ETS Products Group