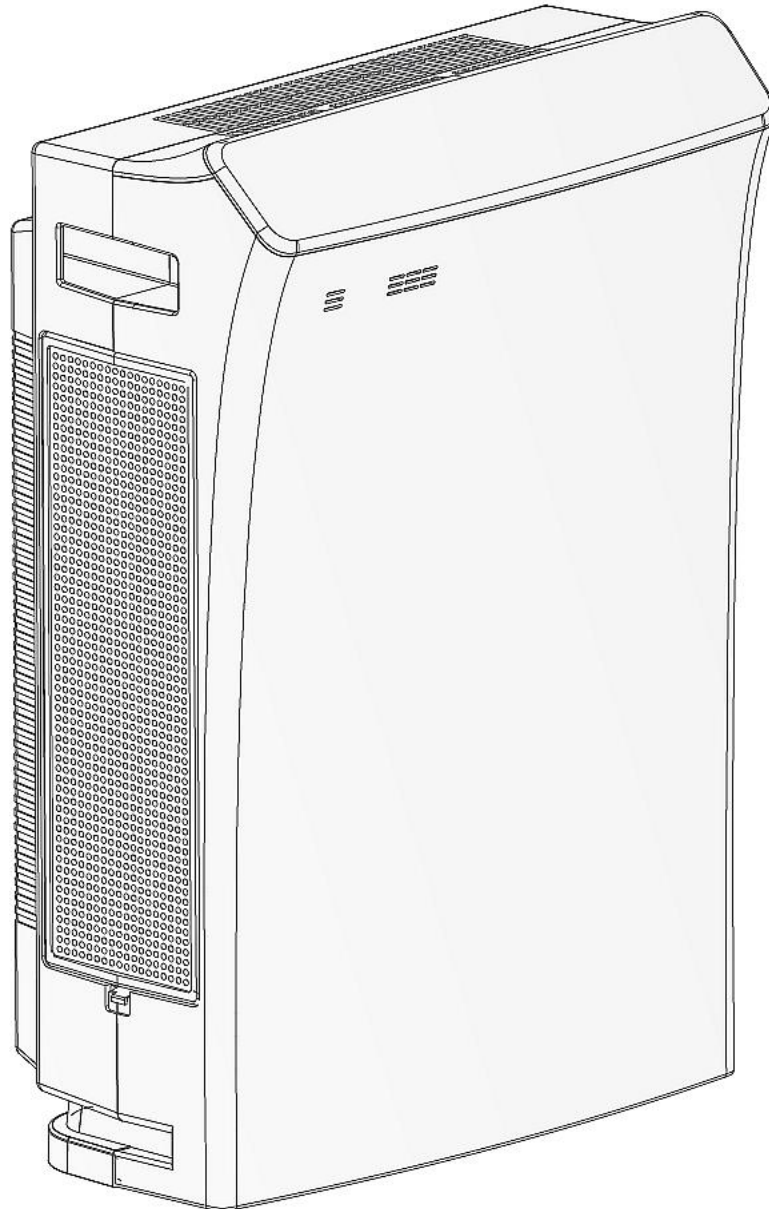


## Air Purifier WDH-660B



Dear Customer,

You have chosen a high-quality product. To ensure that you get a lot of enjoyment from this product, here are a few more tips:

**In case of any problems:**

We hope that the appliance meets your expectations! If, despite the greatest possible care, there should ever be cause for complaint, please contact us briefly, as we are very concerned about your satisfaction and would like to clear up any misunderstanding.

**Before initial operation:**

Read the operating instructions, especially the safety instructions, and first remove the filters from the protective foil !

## **Equipment and quality features:**

**Pre-filter:** The cleanable pre-filter removes all larger particles and thus ensures a longer service life of the ULPA filter.

**HEPA / ULPA filter:** One of the best filters ever, captures and filters particles as small as 0.0001mm. This includes pollen, germs and dust with a purity rate of 99.99% !!!

**Active carbon & catalyst filter combination:** Absorbs and cleans many types of smoke and odours (e.g. cigarette smoke) and breaks down up to 90% of toxic fumes (e.g. formaldehyde, H<sub>2</sub>S, NH<sub>3</sub>).

**Ultra-violet light (optionally switchable):** Eliminates many of the most common types of bacteria and viruses. It also ensures that the filters themselves can never become a breeding ground for germs ! (Two 6W UV lamps are installed on each side of the air intake shaft).

**Anion exchanger (optionally switchable):** Produces more than 5 million anions per second, which proactively combat smoke and other dirt particles in the room.

**Ozone (optionally switchable):** Fights odours, bacteria, mould spores, chemicals and many other dirt and pollutants in the air and also in the INVENTORY (e.g. in wallpaper, carpets, upholstery & textiles) !

**Air sensor (optionally switchable):** Automatically measures the air quality. If the determined air quality is good, the air purifier automatically switches OFF. If the result is the opposite and the air quality is inferior or poor, the air purifier automatically switches ON or to the operating modes strong, medium and weak.

**Timer:** With the timer, you can set/select a remaining running time of the appliance of up to 12 hours.

**3 speed levels:** Strong, Medium and Weak.

**Night mode:** Display field switched off and extremely quiet operation.

**Touch panel display:** With this modern control panel, you can make your settings quickly, precisely and intuitively. In addition, you always have a quick overview of all settings.

**Aroma diffuser:** If desired, pleasant fragrances can be distributed in the room via the aroma diffuser. (Simply place fragrances in the small drawer located in the upper back of the air purifier).

**Multi-air intake:** Simultaneous air intake from several sides. For fast and effective air purification.

**Remote control:** Includes a remote control with which almost all functions can also be conveniently controlled.

**Temperature & humidity display:** The air purifier shows you both the current room temperature and the relative room humidity as additional information.

**Filter change indicator:** Lights up if the filters should be changed.

**Other:** Extremely quiet and power-saving PG fan motor and very low standby power consumption of less than one watt.

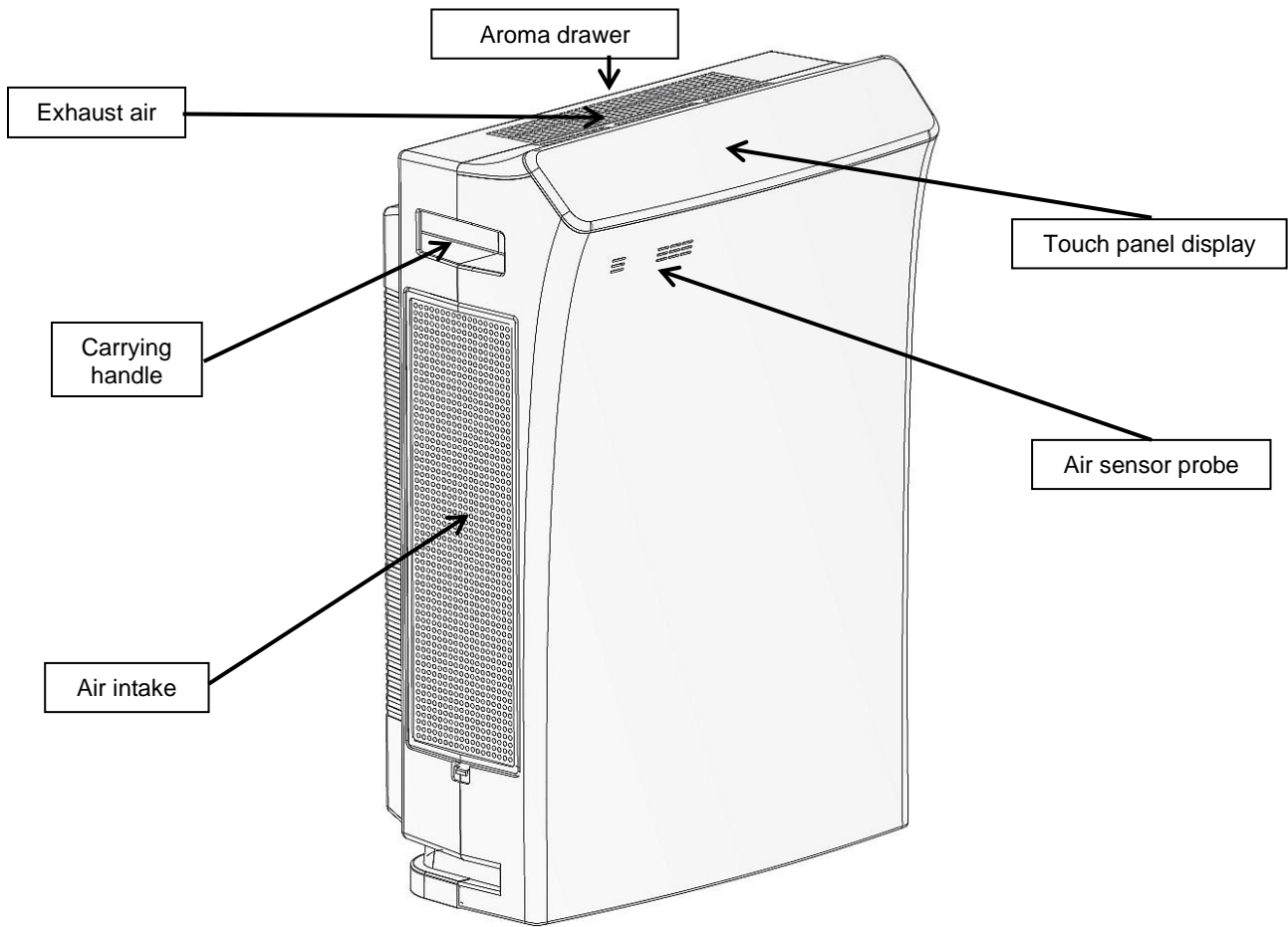
## **Important safety instructions:**

- Operate the unit only in a straight position and with a straight/level stand !
- Make sure that there is a minimum lateral distance of 30 cm and a minimum upper distance of 30 cm to inventory and walls!
- Do not place any objects on the appliance and make sure that the air intake and the exhaust air are always free!
- The appliance does not replace room ventilation and is not suitable for use as an extractor bonnet when cooking.
- Ventilate the room regularly. Especially if it is a very airtight room or there is a high oxygen consumption (e.g. fireplace, gas cooker, many people etc.).
- Supervise the air purifier when children or animals are near the unit !
- This air purifier should only be operated by persons who have the necessary physical and mental capabilities to operate this device without problems !
- Watch out for electricity, never walk into or insert objects into the appliance !
- Only qualified personnel or electricians are permitted to open the unit or carry out repairs to the unit and/or the mains cable (mains plug) !
- Protect the unit from all moisture and wetness !
- Only use the recommended voltage for operating the unit !
- Make sure that the power cable is unfolded (untied) before connecting it to the socket !
- Make sure that the plug is cleanly and properly connected to the socket before using the appliance !
- Do not expose the filters to insect spray, they could later release the insect spray unintentionally !
- Avoid ashes (cigarette ash) being sucked in by the appliance, this can lead to fire in the worst case !
- Switch off the unit before unplugging it from the mains !
- Switch off the appliance and unplug the mains plug if you want to clean the appliance !
- Only clean the appliance with mild cleaning agents !
- Avoid using the unit at high room temperatures or in humid conditions !
- Do not make any independent modifications to the unit or the cables !
- Never reach near the plug or socket with wet hands !
- Make sure that highly flammable substances (e.g. gases/oils etc.) are never in the vicinity of the unit !
- If you are not going to use the unit for a long time, switch it off and disconnect the mains plug !
- Never look directly into the switched-on UV light, it can cause injuries to the eye !

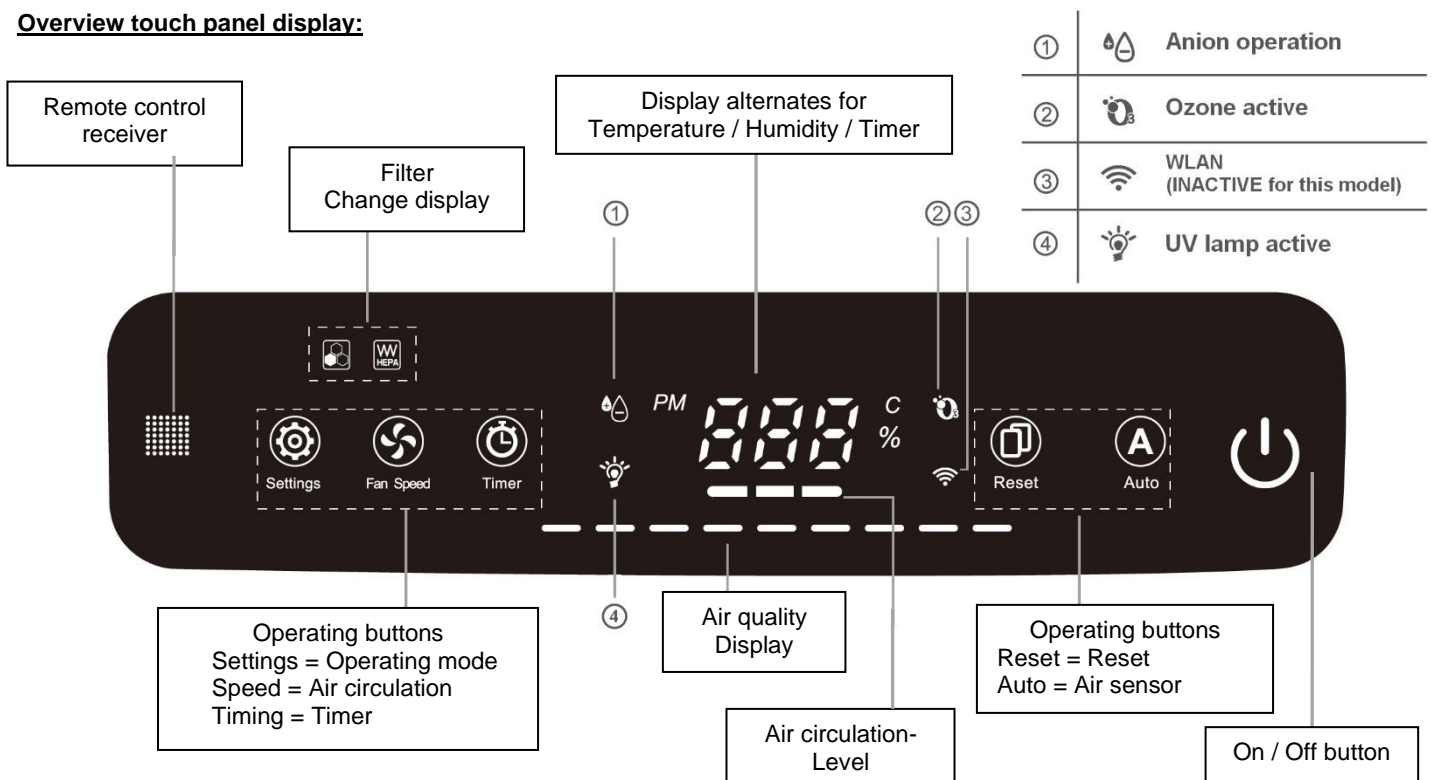
Please switch off the unit immediately and disconnect it from the mains/power supply if anything seems to be wrong !!! In this case, please contact a specialist and do not attempt to repair the unit yourself !!!

**Examples:** Fuse has blown or the appliance is making unusual noises and/or it smells burnt.

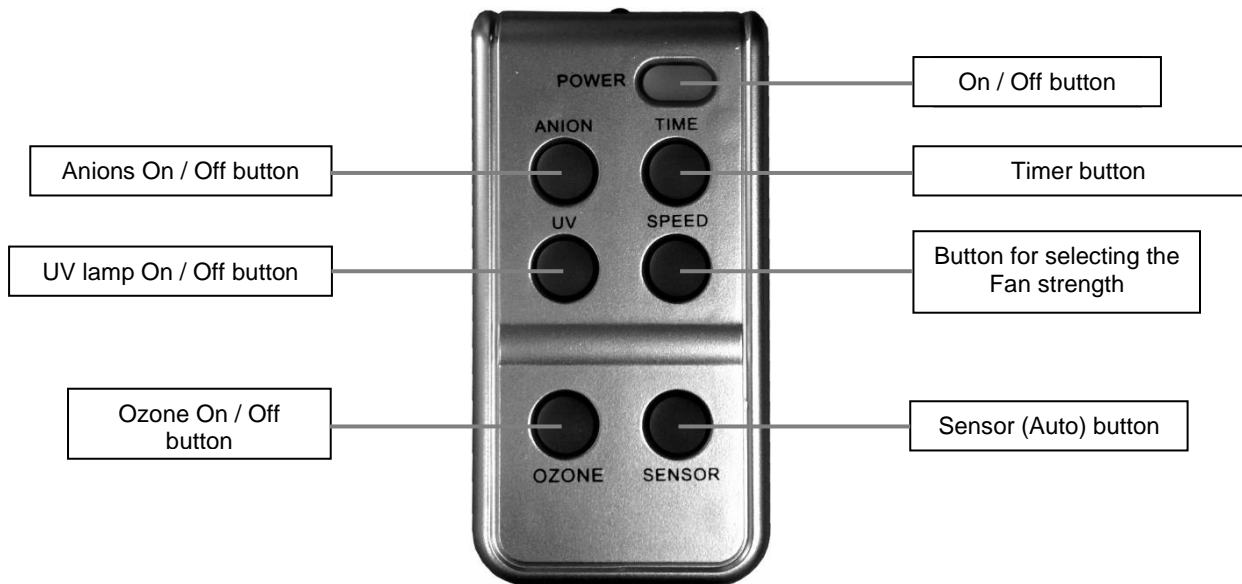
**Device description:**



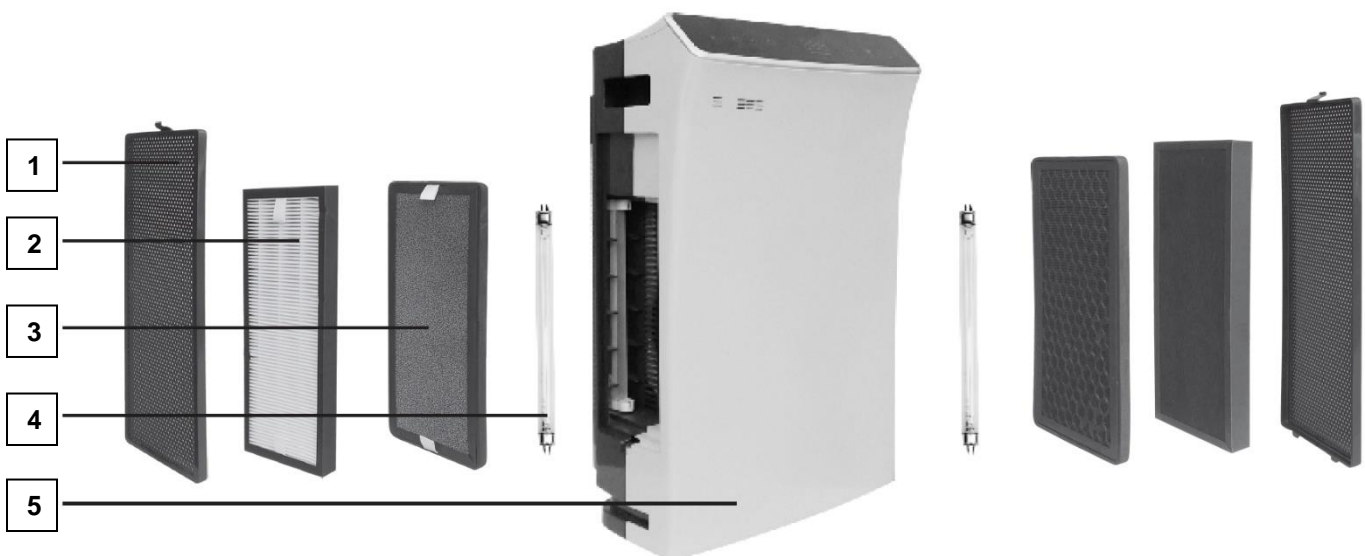
**Overview touch panel display:**



## Overview remote control:



## The filter compartment (diagram):



1. Prefilter
2. HEPA (ULPA) filter
3. Combi-filter (active carbon / catalyst)
4. UV lamp
5. Air purifier body

## Instructions for use:

### 1.) Inserting the filters



1. Open the side filter compartment cover.

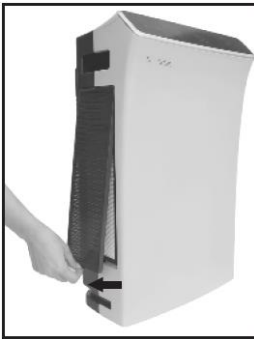


2. First remove the clear protective film from the filters. Afterwards, first place the combi-filter and secondly the HEPA (ULPA) filter.



3. Now close the lateral Filter compartment cover again

### 2.) Installation of the UV lamp



1. Open the side filter compartment cover. Then remove all filters



2. Grasp the UV lamp and turn them by 90°. Now it can be pulled out.



3. Now build the new UV lamp in the same way and way again.

### 3.) The aroma diffuser



1. Press lightly from the outside on the aroma drawer. This solves click to release the lock and You can use the aroma drawer pull out.



2. Open the aroma can and put them back in the Aroma drawer.




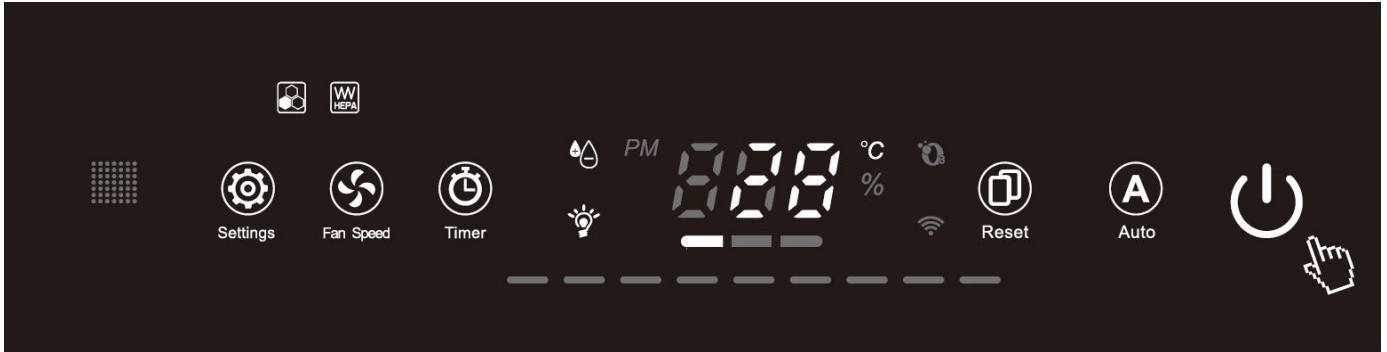
3. Now slide the aroma Drawer back again, as long as until you click the Listen to the lock again.

#### 4.) Power connection

Insert the plug into the socket and wait until you hear a short acknowledgement tone.




#### 5.) Switching on the air purifier

Press the right **ON button** . The air filter starts its operation and the display switches on:




#### 6.) Setting the various operating modes (functions)

Press the **Settings button**  in succession for the desired setting:

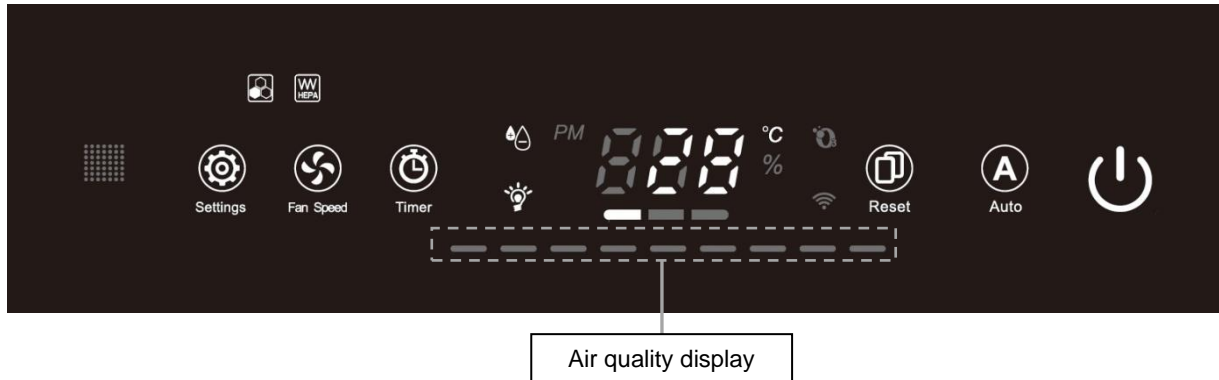
①	 <b>Anion operation</b>	This function generates more than 5 million anions per second, which proactively combat smoke and other particles in the room.
②	 <b>Ozone active</b>	This function combats odours, bacteria, mould spores, chemicals and many other dirt and pollutants in the air. If the ozone function has been selected, the unit automatically switches ozone operation off again after approx. 60 - 70 minutes (standard).
③	 <b>UV lamp active</b>	Eliminates many of the most common types of bacteria and viruses. It also ensures that the filters themselves can never become a breeding ground for germs ! (Two 6W UV lamps are installed on each side of the air intake shaft).

Furthermore, combinations can be set that allow the individual functions to be operated together !

## 7.) Activating the automatic air sensor

Press the Auto button  on your air purifier. The air sensor switches on and automatically starts measuring the air quality. There are 4 possible results of the detected air quality (see diagram below):

Please note that the proper air sensor function is only available after approx. 3 minutes !



No bar (PM value 0-30) = Very good air quality > Air circulation goes out



3 bars (PM value 30-75) = Light air pollution > Air circulation jumps to level 1 (weak)



6 bars (PM value 75-150) = medium air quality > Air circulation jumps to level 2 (medium)



9 bars (PM value above 150) = Poor air quality > air circulation jumps to level 3 (strong)

In addition to the air quality display shown above, a PM value is also shown in the display. You can read at the top which air quality category the respective PM value falls into.

Note: The air sensor is located at the front left of the unit and reacts mainly to odours and slightly to particles in the air and thus always gives only a tendency of the air quality. Since it is a tendency (similar to a weather station), this function cannot provide a 100% reliable statement about pollutants in the room air or about the entire area of a room.

From a humidity of approx. 80% r.l. upwards, the air sensor probe may malfunction. In this case, please disable the air sensor function (Auto).

Furthermore, stronger operating fluctuations may occur from time to time because the air sensor probe is exposed to the draught.




## **Reset of the PM value / air sensor:**




After prolonged use of the air sensor, traces of particles will stick to the inductive head of the sensor, which may cause the numerical PM display to be abnormal. Only perform a reset if such an abnormal display is likely to occur!

If you find that the numerical PM reading deviates greatly from the normal range, we recommend that you record it in the following steps based on the numerical PM reading of the weather forecast in your city.


1. First blow hard into the "compartment" of the air sensor (front left of the unit). Then open a window for 5 minutes and place the air purifier near the window (the air sensor records the current ambient data again).
2. Then press and hold the Settings icon until you hear a click. Now you are automatically in PM correction mode.
3. Each time you now press the "Settings" key, the PM number of the unit increases by 2ug/m<sup>3</sup>. Each time you press the "Auto" key, you decrease the numerical PM value by 2ug/m<sup>3</sup>.
4. If you have adjusted the numerical PM values in the display to the numerical PM values of the weather forecast of your city (check on the Internet), please wait 5 seconds and the value will be overwritten and stored.

## **8.) Setting the fan strength (air circulation)**

Press the Speed button  in succession for the desired setting. The unit has three fan speeds:


	Level 1	= Weak fan strength (air circulation)
	Level 2	= Medium fan strength (air circulation)
	Level 3	= Strong fan power (air circulation)

## **9.) Night operation / night mode**

Press the speed button  permanently for approx. 3-5 seconds. This switches off the touch panel display and the unit jumps to an extremely low-noise fan strength !

To cancel the night mode again, simply press the button area of the touch panel display again.

## **10.) Timer (timer)**

Press the timing button  for approx. 3 seconds until zero (0) starts flashing in the display field. Now you can select a value between 0 - 12 hours by pressing repeatedly. After you have selected your desired value, wait for approx. 5 seconds until you hear an acknowledgement tone and the display field shows the current temperature and humidity value again. Now the remaining time is stored and the air purifier switches off automatically after this time has elapsed.

The remaining time is displayed alternately with the current temperature and the humidity value. In addition, you can also display the remaining time by briefly pressing the timing button.

To reset the remaining running time, simply press the timing button continuously for approx. 3 seconds until the acknowledgement tone sounds. This switches off (zeroes) the remaining running time and the air purifier works in continuous operation again.

## **11.) Filter change indicator**

The air purifier has a filter change indicator.



The display is always lit by default, after an active runtime (operating time) of 1,440 hours, the left symbol starts flashing and recommends that you now change the combi-filter (activated carbon and catalyst filter).

After an active runtime (operating time) of 2,880 hours, the right-hand symbol starts flashing and recommends that you now change the HEPA/ULPA filter.

**Note:** The filter change indicator is time-controlled and depending on the type of use of the air purifier, it may be necessary to replace the filters earlier (before the filter change indicator is triggered) !

After you have replaced the filters, press the reset button  permanently until you hear a long acknowledgement tone. Now the flashing filter change indicator is reset and the internal filter runtime count starts again.

## 12.) Cleaning & Storage

Please always disconnect the mains plug first and allow the air purifier to drain completely before carrying out any cleaning activities on your unit !

### 12.1 Cleaning:

- Use a soft and damp cloth to clean the outside of the unit.
- Only use mild cleaning agents to clean your air purifier.
- Please make sure that water does not get inside the unit or the electric touch panel display at any time !

### 12.2 Storage:

- We recommend covering the unit for storage or ideally packing it in its original box.
- Store the unit in a dry and sufficiently ventilated place/space.

## 13.) Other

The air purifier has a so-called MEMORY function. This means that the unit retains the last settings made after an on/off. However, for safety reasons, this is not the case in the event of a power failure or if the mains plug is pulled out!

The air purifier can be controlled and adjusted via the touch panel display as well as via the supplied remote control. A button cell CR2032 (3V) is required to operate the remote control.

### Notes on UV light:

1. The UV lamp normally has a service life of approx. 4,000 - 8,000 hours, depending on the on/off interval.
2. The wavelength is 254 nm.
3. The socket is T5 and the UV lamp has a 6 watt lead.
4. Replace the UV light only when the unit is switched off.

### Notes for the filters:

1. With an average use of approx. 8 hours daily, the filters last up to one year! In more polluted rooms, e.g. smokers' households, the filters may have to be replaced after approx. 4 - 6 months (see colour scale on the side of the HEPA/ULPA filter) !
2. Change the HEPA/ULPA filter when it is dirty.
3. Never wash the fine filters.

## Technical data:

<b>Model name:</b>	WDH-660B
<b>Voltage:</b>	220-240 V / 50 Hz
<b>Max. Power consumption:</b>	51 W (0.2 A)
<b>Max. Air circulation:</b>	330 m <sup>3</sup> /h
<b>Recommended max. room size:</b>	45 m <sup>2</sup> (112 m <sup>3</sup> )
<b>Max. Noise emission:</b>	44 dB(A)
<b>Dimension (H/W/D):</b>	536 x 360 x 206 mm
<b>Weight:</b>	6,5 kg

*For the technical data, deviations are reserved !!!*

## Troubleshooting:

### The unit itself emits an unpleasant odour:

The operating mode "ozone" and also the UV lamps produce a certain odour. This odour is typical of their function and generally arises during their operation.

The operating mode "anions" is not smellable for most people. However, sensitive people perceive a certain "smell". This is because the anions slightly electrostatically charge the air (similar to after a thunderstorm).

after all, a new air cleaner still has a slight odour of its own (fresh plastic, new engine, new paint etc.)... but this new smell fades within a short period of time (1-2 weeks) !!!

### The air sensor causes problems

Please read the instructions under point 7 (activating the automatic air sensor) and in case of 9 x active light bars (poor air quality) the instructions \* listed below. If the explanations given there do not apply and the air sensor clearly indicates a wrong tendency, please check that the small openings at the front left of the air sensor are not dirty. If necessary, blow hard into the air sensor; this should solve the problem.

### The air sensor remains permanently on 9 x active light bars (poor air quality).

1. Have you ever given the air purifier "free rein" in the automatic air sensor function (Auto) for 12 hours or have you let it run continuously ? Especially at the beginning and especially with smokers, 12 hours of continuous operation and more are quite normal, because often particles/odour patterns sit in the entire inventory (curtains, upholstery, carpet, etc.) and depending on the nature of the material, it can take a considerable time until this inventory releases the odours again.
2. Please make sure that the air sensor function (Auto) is not used when the air purifier is in a draught (e.g. between two open windows and/or doors).
3. From a humidity of approx. 80% r.l. upwards, the air sensor probe may malfunction. In this case, please disable the air sensor function (Auto).
4. In very rare cases, the air sensor may react negatively to certain substances (e.g. furniture polish, perfume, etc.) in your room. In these cases, we ask you to dispense with this special operating mode (automatic air sensor function).

### It takes too long for smoke and/or odours to be neutralised

In general, our air purifier is very well suited for odour and smoke neutralisation. But please note that the result/end result of our air purifier always depends on how much odour particles are flowing in and how the air circulation is at your place !

This is because the inserted odour filter always absorbs/removes only a part of all odour particles in one pass. Therefore, a general rule is three filter cycles until all odour particles have been absorbed.

(Note: When filtering dust and particles, one filter pass is sufficient to clean the air, as all particles are retained in the fine filter = 99% effectiveness. For odours, the carbon & catalyst filter is mainly used and here the filter medium needs approx. three filter cycles per sqm<sup>3</sup> of air until one can speak of clean air = 33% effectiveness !!!).

Furthermore, it is important to consider that odour patterns may already be present in the inventory (furniture) - and depending on the nature of the individual materials, it may take a considerable amount of time until they have released the odours again.

(Apart from the "ozone" function, our air purifier almost only eliminates odours that are circulated or filtered through it. )

## Other:

### **Warranty statement:**

Notwithstanding the statutory warranty claims, the manufacturer grants a warranty in accordance with the laws of your country, but at least 1 year (in Germany 2 years for private individuals). The warranty begins on the date of sale of the appliance to the end user.

The guarantee only covers defects that are due to material or manufacturing faults.

Warranty repairs may only be carried out by an authorised customer service. To make a warranty claim, please enclose the original sales receipt (with date of sale).

Excluded from the guarantee are:

- Normal wear
- Improper applications, such as overloading the appliance or non-approved accessories.
- Damage due to external influences, use of force or foreign objects
- Damage caused by non-observance of the operating instructions, e.g. connection to an incorrect mains voltage or non-observance of the assembly instructions.
- Completely or partially dismantled units

### **Conformity:**

The air purifier has been tested and itself and/or parts thereof have been manufactured under the following (safety) standards:

#### **Of course with CE (EMC + LVD) conformity.**

CE (EMC) conformity tested according to:

- EN 55014-1:2017
- EN 55014-2:2015
- EN 61000-3-2:2014
- EN 61000-3-3:2013

CE (LVD) conformity tested according to:

- EN 60335-2-65:2003+A1:2008+A11:2012
- EN 60335-1:2012+A11:2014+A13:2017
- EN 62233:2008

### **Correct disposal of this product:**



Within the EU, this symbol indicates that this product should not be disposed of with household waste. Waste equipment contains valuable recyclable materials that should be recycled. Furthermore, the environment or human health should not be polluted by uncontrolled waste disposal. Therefore, please dispose of old appliances via suitable collection systems or send the appliance for disposal to the place where you purchased it. They will then recycle the appliance.



I wish you much pleasure with this appliance.

***Your Aktobis AG***

***Keep these instructions for use in a safe place !***