Operating Manual

Air Purifier

LR 50

Perfection is our aim

EC - Declaration of Conformity

according to machine directive 2006 / 42 / EEC

appendix II A

Structure of the machine

Portable air purifiers

Manufacturer: Hans Wilms GmbH & Co. KG
Erftstr. 34
D- 41238 Mönchengladbach

Description:

LR 50

is designed, constructed and manufactured in accordance with the above-mentioned Directive and the low voltage-directive 2014 /35/ EWG, and the EMC Directive 2014 /30/ EU.

The folowing harmonized standards have been used:

- DIN EN 61000-3-2 - Electromagnetic compatibility
- EN 60335-1 - Household and similar electrical appliances - Safety
- EN 60335-2-65 - Household and similar electrical appliances - Safety
- EN 62233 - Measurement methods for electromagnetic fields
- EN 55014-1/2 - Electromagnetic compatibility
- EN 61000-3-2/3 - Electromagnetic compatibility
- DIN EN 301489-1/-17 - Electromagnetic compatibility
- EN 300328 - Wideband transmission systems
- EN 62311 - Assessment of electronic and electrical equipment

Mönchengladbach,
25.04.2022

Jochen Wilms

Place - Date | Signature | Managing Director

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Safety instructions

Please read this user manual carefully before using the unit and keep it for future reference.

Danger Warning

1. To avoid electric shock or fire, keep away liquids or flammable detergent from the device.

2. Do not spray any flammable liquids around the device.

Safety Warning

1. Before connecting the device, please compare the type plate with the local supply voltage.

2. In the case of damaged supply cable, it must be replaced by a specialist.

3. Do not use the device if the supply cable, the device itself or the connecting plug are damaged.

4. Do not block the air inlet and outlet.

5. Do not insert any foreign objects into the device.

6. Persons with physical or mental disability, or without relevant experiences and skills (including children) should use it only under guiding and instructing.

Safety instructions

1. This device can not replace normal ventilation, daily dusting, or even eliminate kitchen fumes.

2. Check the correct connection to the socket.

3. Do not place any items on or above the device.

4. Be sure to place and use the device on a firm, flat and horizontal surface.

5. Keep a distance of 30 cm around the device from walls or objects and at least 50 cm above the device.

6. Do not use the device under air conditioner to prevent condensation water dropping into the device.

7. Make sure that the filter is properly installed and that the rear cover is properly closed before turning on the device.

8. Use only original filters approved for the device.

9. Do not use the filter for other purposes to avoid damage.

10. Do not hit the device with hard objects, in particular not on the air outlet and the air inlet.

11. Do not insert fingers or other objects into the air outlet/inlet to prevent physical damage or trouble.

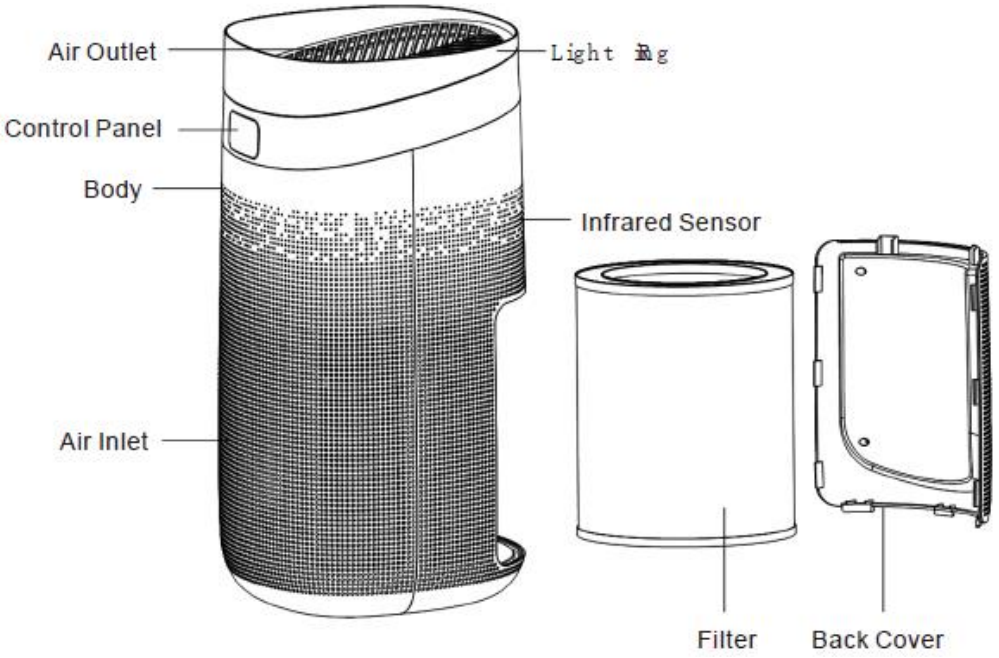
12. Do not use this device if you are using an indoor insect repellent spray, or in areas with flammable gases or chemical fumes.

13. Ensure the device is unplugged before moving, cleaning, maintaining and replacing filter.

14. Unplug the mains plug before moving the device. Do not pull the wire to move the machine.

Product overview

Components



Control panel

Wind Speed/Filter Button

Power Button

UV/Anion/Light Button

Timer/Wifi Button

Technical specifications

Model		LR 50
Power supply		AC 100-240 V 50/60 Hz
Power		50 W
Noise level		< 56 dB/A
Dimensions		L 275 x W 308 x H 565 mm
Weight		5,2 Kg.
Filter class		Hepa H 14
Air capacity max.		320 m^3
Typical room size		50 m^2

Function instruction

Steps of installing filter

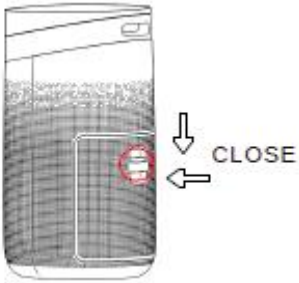
Before using, please remove the package of the filter.
Ensure the device is unplugged before removing or installing the filter.

1. Open the latch to take out the back cover.

2. Remove the filter from the machine

3. Remove packaging of the new filter.

4. Put the filter into the machine.



5. Close the back cover.

Button operation

Power on:

The buzzer rings once, all indicators light up once and then go out. The power button LED, wind speed button LED, light button LED and timing out button LED are on, indicating that the machine is now in standby mode.

Power Button

Press the power button, the machine is running in the automatic gear the corresponding indicator light is on, and enter the 30-second test run. After the test run, the corresponding color is displayed according to the air quality detected by the sensor.

Wind Speed / Filter Button

1. In the operating mode, press the fan button to adjust the fan speed in the operating mode quiet, fast or automatic, and the corresponding indicators light up.
Every time you press the button, the buzzer rings one time.
The monitoring module detects the air quality.
Range 0 - 75 excellent air quality. The control light is blue.
Range 70 - 150 moderate air quality. The display is green or yellow.
Range > 150 high pollution. Display is red.
The auto-mode cleans automatically the air according to the air quality.

2. When the machine works in auto-mode, the wind speed will be adjusted according to the air quality.

3. When the machine works in sleep mode, if no operation for 5 seconds, the machine will enter sleep mode.
Reminder of replacing filter.
If the unit detects that the filter needs to be replaced, or after 2200 operating hours, the filter marking LED flashes continuously red.
After replacing the filter, press the Wind Speed/Filter Button for seven seconds to reset the settings.

UV / Anion / Light Button

1. In the operating mode, press the UV/Anion/Light button to change the brightness of the display.

2. In the condition of working, press the UV / Anion / Light Button for three seconds to start Anion and UV function. Press ist again, the Anion and UV function will be off.

Timer / Wifi Button

1. In the condition of working, press the Timer Button to set timer among the of 2H-4H-8H. Every time you press the button, the buzzer rings one time, and the corresponding indicator will be on.

2. Press and hold the Timer / Wi-Fi button for 5 seconds to turn on the Wi-Fi function.
The Wi-Fi display shows the current Wi-Fi status.
After shutting down, the Wi-Fi must be reset.

Wi-Fi Operation

Download and registration

1. Use your mobile phone or tablet to use the following QR-Code to scan. Download the "Smart Life" App. You can also search for "Smart Life" in the APP Store or Google Play to install the app.
2. Open the "Smart Life" App, click "Register", enter your phone number or email address to create an account and to register "Smart Life". Then log in to the app.

Add device
1.) Connect the mobile phone to the wireless home network, and turn on the Bluetooth of the mobile phone.
(Please select 2,4-GHz-Wi-Fi network).
2.) Open the „Smart Life“ APP.
3.) Enter the homepage of the „Smart Life“ APP. Click "+" to add a device, the APP will display manual addition or automatic discovery.

4.) Automatic discovery: When the corresponding authorisation is turned on, the device can be automatically discovered and the device needs to be in the network configuartion state and turned on.

5.) Add manually: Select the name corresponding to the product.
(Wi-Fi + Bluetooth mode.)
Bluetooth configuration (automatically):
Make sure that the WiFi indicator of the device is flashing quickly, click OK, and then wait for the connection. When successfully „add 1 device“ appears, it means the connection has been completed and your device will now be listed in your APP list.

6.) Add manually: Like Pos. 1-3.
Select "Small household appliance" on the left-hand side.
Then select "Air Purifier (Wi-Fi)".
Select the 2.4 GHz. Wi-Fi network.
Enter the name of your network and your network password.
Click on "Continue".
Confirm that the Wi-Fi indicator on your unit is flashing quickly.
Choose the name that corresponds to your product.
Press "+". Now "Add successful" appears. Press "Finish".
Now you can set all individual settings such as operating mode, on/off, countdown (fixed hour selection), and in the settings personal or daily or weekly timer settings and so on.

Your device will be listed in your APP list. Now, you can control your smart device through the mobile APP anytime and anywhere (make sure your mobile phone and smart device are connected to the network).

Maintenance

Ensure the machine is unplugged before maintenance.

Do not immerse the air purifier into water or any liquid.

Do not use abrasive, corrosive or flammable detergents (such as bleach or alcohol) to clean any part of the unit.

Clean or replace the filter regularly. Do not wash the filter.

Ensure the machine is unplugged before replacing the filter.

Please sterilize the filter under sunlight regularly.
Do not use a vacuum cleaner to clean the filter or wash it directly.

Cleaning and storage

① Ensure the machine is power-off and unplugged.

② Remove the filter to clean any dust from the surface of it.

③ Use a soft cloth with neutral detergent to clean away dust or debris from the surface of the machine.

④ After the filter has dried, install it into the air purifier to restart.

⑤ If you do not use the machine for a long time, ensure that the machine is dry and cover it with a dust bag.
Store the machine in a cool and well-ventilated place.

⑥ To ensure a good performance of the machine, please turn on the machine from time to time for a few minutes.

Notice:

Make sure that no liquids can get into the machine.

Malfunctions / Troubleshooting

Fault	Cause
The device does not work	Is the electrical power supply o.k.? Is the house fuse o.k. ? Is the red filter indicator flashing?
Poor performance	Is there any dust in the surface of primary filter? Is there any obstacle blocking the air inlet/outlet?
Significant noise	Is there anything stuck on the fan or in the air outlet? Is the machine tilted? Please set a lower grade of wind speed if the noise is too loud, or set sleep mode of wind speed when using at night.
Coming out nasty smell	It is the normal phenomenon that the machine emits the smell of plastic for the first time. The machine will emit nasty smell if the filter is dusty, so in this case, please clean or replace the filter. If the burning smell emits from the machine, please unplug the power socket and contact with buyer or customer service.
The filter change indicator lights up after the filter has been replaced.	Please press the Wind Speed/Filter button for 7 seconds to reset the machine and the life counter of the filter will start.

Notice: If the above instructions can not solve your problems and you need maintenance, please contact the supplier or after sales service center. Please do not disassemble the machine to maintain by yourself.

Environmental protection and recycling

The air purifier is made exclusively from high quality materials, most of which are recyclable.

Dispose of packaging material
Dispose of the packaging material in accordance with the locally applicalbe environmental regulations.

Disposal of waste electrical and electronic equipment

The device is marked with the symbol with a crossed out waste bin. This means that you must not dispose of it in normal household waste, but rather dispose of it in an environmentally friendly manner in a separate collection.

Proper disposal of this device avoids negative effects on people and the environment, serves the targeted treatment of pollutants and enables the reuse of valuable raw materials.

The electronic components are subject to special regulations for disposal.

Help protect the environment by ensuring that your old device is only disposed off in an environmental-acceptable way!

SPARE-PARTS-LIST LR 50

Position	Part-No.	Description	Qty.
1	8050065	Air outlet grille	1
2	8050066	Self tapping screw 3x10	6
3	8050067	Light gide	1
4	8050066	Self tapping screw 3x10	2
5	8050068	Handle	1
6	8050069	Upper housing	1
7	8050070	Rear housing	1
8	8050066	Self tapping screw 3x10	4
9	8050071	Slide cover	1
10	8050072	Slider	1
11	8050073	Spring	2
12	8050074	Back cover	1
13	8050075	Control box	1
14	8050080	Control board	1
15	8050081	Lens hood	1
16	8050082	Control foil	1
17	8050083	Control surface cover	1
18	8050084	Self tapping screw 4x15	6
19	8050085	Air passage top	1
20	8050086	Motor bracket cover	1
21	8050087	Control	1
22	8050088	Self tapping screw 3x8	5
23	8050089	Anion	1
24	8050090	Motor	1
25	8050088	Self tapping screw 3x8	4
26	8050096	Motor bracket top	1
27	8050097	Damping rubber	1
28	8050098	Combination screw with gasket	3
29	8050099	Motor bracket bottom	1
30	8050100	UV lamp board	1
31	8050101	Centrifugal wind wheel	1
32	8050102	Flat gasket	1
33	8050103	Hexagon nut	1

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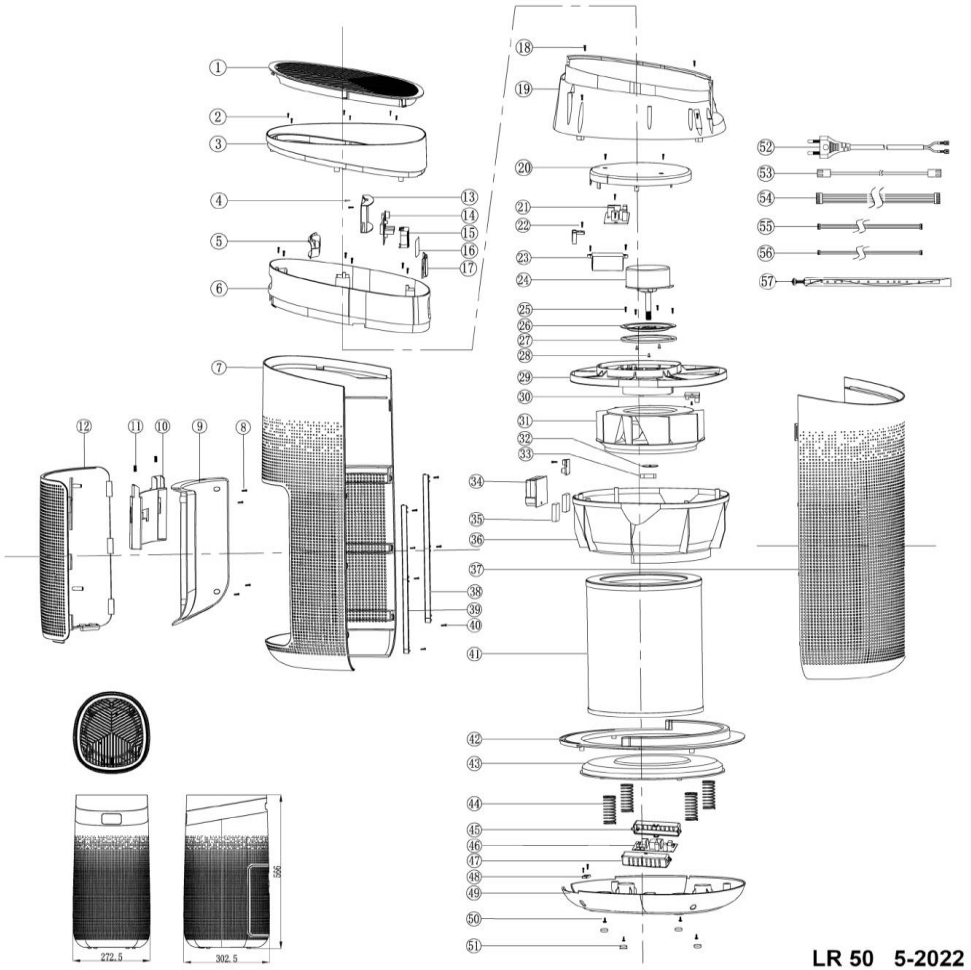
Position	Part-No.	Description	Qty.
34	8050104	Infrared sensor	1
35	8050105	Gasket	2
36	8050106	Air passage bottom	1
37	8050107	Front housing	1
38	8050108	Crimping cover right	1
39	8050109	Crimping cover left	1
40	8050066	Self tapping screw 3x10	6
41	8050051	HEPA filter H 14	4
42	8050110	Tray support	1
43	8050111	Tray	1
44	8050112	Max tray spring	4
45	8050113	Electric control box right	1
46	8050114	AC power board	1
47	8050115	Electric control box left	1
48	8050120	Strain relief bushing	1
49	8050121	Base	1
50	8050122	Self tapping screw 4x8	4
51	8050123	Door mat	4
52	8050124	Power cord	1
53	8050125	DC connection line	1
54	8050126	Control panel connector	1
55	8050127	Infrared connector	1
56	8050128	UV lamp connector	1
57	8050129	Light belt	1

EXPLODED VIEW LR 50