OMISOON DH-JHD04

OMISOON DH-JHD04 Air Purifier User Manual

Model: DH-JHD04 | Brand: OMISOON

Introduction Safety Instructions Product Overview Setup Operation Maintenance Troubleshooting Specifications Warranty & Support

1. Introduction

This manual provides comprehensive instructions for the OMISOON DH-JHD04 Air Purifier. This device is designed to improve indoor air quality by effectively filtering airborne particles. It features an H13 HEPA filter, a Clean Air Delivery Rate (CADR) of 170 m^3/h, and intelligent PM2.5 detection, making it suitable for rooms ranging from 25 to 50 m^2.
Please read this manual thoroughly before operating the air purifier to ensure safe and efficient use. Keep this manual for future reference.

2. Important Safety Instructions

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

- Read all instructions before operating the appliance.
- Always place the air purifier on a firm, level surface.
- Keep the power cord away from heated surfaces.
- Do not operate the appliance if the cord or plug is damaged, or if the appliance malfunctions or has been dropped or damaged in any manner.
- Do not use the appliance outdoors.
- Do not block air openings or place on a soft surface, such as a bed or sofa, where openings may become blocked.
- Do not insert foreign objects into any ventilation or exhaust opening.
- Unplug the air purifier from the power outlet when not in use, when moving it from one location to another, and before cleaning.
- This appliance has a child lock feature to prevent accidental operation by children.
- Do not use this appliance with any solid-state speed control device.
- Do not attempt to repair or adjust any electrical or mechanical functions on this unit. Doing so will void your warranty.

3. Product Overview

3.1 Components

The OMISOON DH-JHD04 Air Purifier features a compact, cylindrical design with a top-mounted control panel and 360° air intake. The main components include:

- **Main Unit:** Houses the fan, motor, and filter compartment.
- **Control Panel:** Touch-sensitive buttons for power, fan speed, mode selection, timer, and child lock.
- **Air Quality Indicator:** LED light that changes color based on detected air quality.
- **Composite Filter:** A multi-layer filter system including a pre-filter, H13 HEPA filter, and activated carbon filter.
- **Power Cord:** For connecting to an electrical outlet.





Figure 3.1: The OMISOON DH-JHD04 Air Purifier, showcasing its sleek design and top control panel.

3.2 Key Features

- **Efficient Air Circulation:** With a CADR of 170 m^3/h, the purifier can refresh the air in a 20 m^2 room every 17 minutes, achieving 3-4 air changes per hour.
- **Smart Air Quality Monitoring:** An integrated PM2.5 sensor detects airborne particles in real-time. In Auto Mode, the purification intensity adjusts automatically based on air quality.
- **Triple Filtration System:**
    1. **Pre-Filter:** Captures large particles like dust, lint, and pet hair.
    2. **H13 HEPA Filter:** Traps 99.97% of airborne particles as small as 0.3 microns, including pollen, pet dander, and fine dust.
    3. **Activated Carbon Filter:** Absorbs odors, smoke, and harmful gases.
- **User-Friendly Touch Control Panel:** Intuitive interface for easy operation, including power, fan speed, mode, timer, and child lock settings.
- **360° Air Intake:** Ensures comprehensive air purification from all directions, covering the entire room effectively.
- **Ultra-Quiet Operation:** Operates at a low noise level of 25 dB in sleep mode, ensuring minimal disturbance during rest.
- **Child Lock Function:** Prevents accidental changes to settings by children.
- **Filter Replacement Reminder:** An indicator light signals when the filter needs replacement (approximately every 2000 hours or 3-6 months).



Figure 3.2: Illustration of the triple filtration system, detailing the pre-filter, H13 HEPA filter, and activated carbon filter layers.



Figure 3.3: Close-up view of the simple touch control panel, showing buttons for fan modes, auto mode, timer, child lock, and power.

4. Setup

Follow these steps to set up your OMISOON DH-JHD04 Air Purifier:

1. **Unpack the Unit:** Carefully remove the air purifier from its packaging.
2. **Remove Filter Packaging:** Before first use, the filter must be removed from its protective plastic packaging.
    - Turn the unit upside down.
    - Twist the base cover counter-clockwise to unlock and remove it.
    - Take out the cylindrical filter.
    - Remove all plastic packaging from the filter.
    - Place the filter back into the unit.
    - Replace the base cover and twist clockwise to lock it securely.
3. **Position the Purifier:** Place the air purifier on a firm, level surface. Ensure there is at least 30 cm (12 inches) of clear space

around all sides for optimal air circulation. Avoid placing it directly against walls or furniture.

4. **Connect to Power:** Plug the power cord into a standard electrical outlet.



Figure 4.1: The air purifier positioned in a room, demonstrating its effective air circulation for purification.

5. Operation

The OMISOON DH-JHD04 Air Purifier is operated via its touch control panel located on the top of the unit.

5.1 Control Panel Functions

- **Power Button ( ):** Touch to turn the unit ON or OFF.
- **Fan Speed Button ( ):** Cycles through fan speeds: Low, Medium, High.
- **Mode Button (A):** Selects operating modes:
  - **Auto Mode:** The purifier automatically adjusts fan speed based on detected air quality.
  - **Sleep Mode:** Operates at the lowest fan speed (25 dB) and dims/turns off indicator lights for quiet operation.

- **Timer Button (◷):** Sets the operating time for 2, 4, or 8 hours. The unit will automatically turn off after the selected time.
- **Child Lock Button ( ):** Press and hold for 3 seconds to activate or deactivate the child lock. When active, other buttons will not respond.

5.2 Air Quality Indicator

The LED indicator on the front of the unit provides real-time feedback on air quality:

- **Blue:** Very Good Air Quality
- **Green:** Good Air Quality
- **Yellow:** Moderate Air Quality
- **Red:** Poor Air Quality



Figure 5.1: The smart sensor and air quality indicator, displaying different colors to represent air quality levels.



Figure 5.2: The air purifier operating in a quiet environment, highlighting its low noise level suitable for peaceful nights.

6. Maintenance

Regular maintenance ensures the optimal performance and longevity of your air purifier.

6.1 Filter Replacement

The filter should be replaced approximately every 2000 hours of operation, or every 3-6 months, depending on air quality and usage. The filter replacement indicator light will flash red when a replacement is needed.

1. **Power Off and Unplug:** Always turn off and unplug the air purifier before replacing the filter.
2. **Remove Base Cover:** Turn the unit upside down and twist the base cover counter-clockwise to unlock and remove it.
3. **Remove Old Filter:** Carefully pull out the used cylindrical filter. Dispose of the old filter responsibly.
4. **Install New Filter:** Remove the new filter from its protective plastic packaging. Insert the new filter into the unit, ensuring it is seated correctly.

5. **Replace Base Cover:** Place the base cover back onto the unit and twist clockwise to lock it securely.
6. **Reset Filter Indicator:** Plug in the air purifier and turn it on. Press and hold the "Reset" button (often integrated with the filter icon) on the control panel for 3 seconds until the indicator light turns off.



Figure 6.1: The air purifier with a new filter, illustrating the filter replacement process and the indicator light.

6.2 Cleaning the Unit

- **Exterior:** Wipe the exterior surface of the air purifier with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Air Inlet/Outlet:** Use a soft brush or vacuum cleaner with a brush attachment to gently clean dust from the air inlet and outlet grilles.
- **Internal Sensor:** Periodically clean the PM2.5 sensor opening with a dry cotton swab to ensure accurate readings.

7. Troubleshooting

Refer to the table below for common issues and their solutions.

Problem	Possible Cause	Solution
Unit does not turn on.	No power supply. Power cord not properly connected.	Check if the unit is plugged into a working outlet. Ensure the power cord is securely connected to both the unit and the outlet.
Airflow is weak.	Filter is dirty or clogged. Air inlets/outlets are blocked.	Replace the filter if the indicator light is on or if it appears visibly dirty. Ensure no objects are blocking the air inlets or outlets.
Unusual noise.	Filter not installed correctly. Foreign object inside the unit.	Check if the filter is properly seated and the base cover is locked. Unplug the unit and inspect for any foreign objects.
Air quality indicator always red/yellow.	High level of pollutants. Sensor is dirty.	Increase fan speed or run in Auto Mode. Clean the PM2.5 sensor opening with a dry cotton swab.
Control panel unresponsive.	Child lock is activated.	Press and hold the Child Lock button for 3 seconds to deactivate it.

8. Specifications

Feature	Detail
Brand	OMISOON
Model Number	DH-JHD04
Color	White
Dimensions (L x W x H)	20.5 x 31.2 x 20.5 cm
Item Weight	2.16 Kilograms
CADR (Clean Air Delivery Rate)	170 m^3/h
Recommended Room Size	Up to 30 m^2 (323 sq ft)
Filtration Efficiency	99.97% for 0.3 micron particles
Filter Type	H13 HEPA, Activated Carbon, Pre-filter
Noise Level	25 Decibels (in Sleep Mode)
Control Method	Touch Control Panel
Power Source	Wired Electric
Automatic Shutoff	Yes
UPC	198715872507

9. Warranty and Support

Specific warranty information for the OMISOON DH-JHD04 Air Purifier is not provided in the product data. Please refer to the warranty card included with your purchase or contact the retailer for details regarding warranty coverage.
For technical support, replacement parts, or further assistance, please contact OMISOON customer service through the contact information provided on the product packaging or the official OMISOON website.

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