

H.Koenig DSH520

H.Koenig DSH520 Portable Dehumidifier User Manual

Model: DSH520

INTRODUCTION

Thank you for choosing the H.Koenig DSH520 Portable Dehumidifier. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your appliance. Please read these instructions thoroughly before use and retain them for future reference.

SAFETY INSTRUCTIONS

To reduce the risk of fire, electric shock, or injury, always follow these basic safety precautions:

- Ensure the power supply matches the voltage specified on the rating label.
- Do not operate the dehumidifier with a damaged cord or plug.
- Keep the appliance away from heat sources, direct sunlight, and flammable materials.
- Do not block air inlets or outlets. Maintain at least 20 cm clearance around the unit.
- Always unplug the unit before cleaning, moving, or performing any maintenance.
- Do not immerse the unit, power cord, or plug in water or other liquids.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure they do not play with the appliance.
- Use only manufacturer-recommended accessories.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons to avoid a hazard.

PRODUCT OVERVIEW

Familiarize yourself with the components of your H.Koenig DSH520 dehumidifier.

Main Components



Figure 1: Front view of the H.Koenig DSH520 portable dehumidifier, showing its sleek white design and water level indicator.



Figure 2: Angled front view of the dehumidifier, highlighting its compact form factor.





Figure 3: Side view of the dehumidifier, showing the integrated handle for portability and the continuous drainage outlet.



Figure 4: The dehumidifier with its 5-liter water tank removed, illustrating the internal compartment.



Figure 5: Close-up of the 5-liter water tank, indicating its capacity.

Control Panel



Figure 6: Detailed view of the control panel, showing various buttons and the digital display.



Figure 7: A hand pressing a button on the control panel, demonstrating user interaction.



Figure 8: Top view of the dehumidifier, showing the air outlet grille and the control panel. The control panel features a digital display and several buttons for various functions:

- **Power Button:** Turns the unit on or off.
- **Mode Button (M):** Cycles through operating modes (e.g., Auto, Continuous, Inside Drying).
- **Humidity Setting (%):** Adjusts the desired humidity level.
- **Fan Speed Button:** Selects High or Low fan speed.
- **Timer Button:** Sets the 24-hour timer for automatic on/off.
- **WiFi Indicator:** Shows the status of the WiFi connection.

SETUP

1. **Unpacking:** Carefully remove the dehumidifier from its packaging. Retain packaging materials for future storage or transport.
2. **Placement:** Place the unit on a firm, level surface. Ensure there is at least 20 cm of clear space around the air inlets and outlets for proper airflow. Avoid placing it near heat sources or in direct sunlight.
3. **Power Connection:** Plug the power cord into a grounded electrical outlet.
4. **Initial Check:** Ensure the water tank is correctly inserted. The unit will not operate if the tank is full or improperly placed.



Figure 9: The dehumidifier positioned in a room, demonstrating appropriate placement for effective operation.

OPERATING INSTRUCTIONS

Basic Operation

1. **Power On/Off:** Press the Power button to turn the unit on or off.
2. **Setting Desired Humidity:** Press the '%' button to cycle through desired humidity levels (e.g., 40%, 50%, 60%, Continuous). The unit will operate until the room humidity reaches the set level.
3. **Fan Speed:** Press the Fan Speed button to select between High and Low fan speeds.
4. **Operating Modes:** Press the 'M' (Mode) button to select different operating modes:
 - **Auto Mode:** The unit automatically adjusts operation based on the ambient humidity.
 - **Continuous Mode:** The unit runs continuously regardless of humidity level, ideal for very damp conditions.
 - **Inside Drying Mode:** Optimized for drying clothes indoors.
5. **Timer Function:** Press the Timer button to set a 24-hour timer for automatic power on or off. Each press increases the timer by one hour.

WiFi Connectivity (Tuya App)

The H.Koenig DSH520 features WiFi connectivity, allowing remote control via the Tuya Smart app.

1. **Download App:** Download the "Tuya Smart" app from your smartphone's app store.
2. **Register/Login:** Create an account or log in to the Tuya Smart app.
3. **Enable Pairing Mode:** With the dehumidifier powered on, press and hold the Humidity Setting (%) button for approximately 3 seconds until the WiFi indicator light flashes rapidly. This indicates pairing mode.
4. **Add Device in App:** In the Tuya Smart app, tap "Add Device" or the "+" icon. Select "Dehumidifier" or "Small Home Appliance" and follow the on-screen instructions to connect to your home WiFi network (2.4GHz only).
5. **Control:** Once connected, you can control the dehumidifier's functions (power, mode, humidity, fan speed, timer) remotely via the app.

Note: If you experience difficulty connecting to WiFi, ensure your router is broadcasting a 2.4GHz signal and that the dehumidifier is within range. Some user feedback suggests pressing the humidity button for 3 seconds while the unit is in standby might also initiate pairing mode.

Continuous Drainage

For extended operation without needing to empty the water tank, you can set up continuous drainage.

- Locate the continuous drainage outlet on the side of the unit (refer to Figure 3).
- Connect a suitable drainage hose (not included) to this outlet.
- Ensure the hose is sloped downwards to allow gravity drainage into a floor drain or larger container.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your dehumidifier.

Emptying the Water Tank

1. When the water tank is full, the unit will automatically stop operating and an indicator light will illuminate.
2. Carefully pull out the water tank from the front of the unit (refer to Figure 4).
3. Empty the collected water.
4. Reinsert the water tank firmly into the unit. Ensure it clicks into place. The unit will resume operation.

Cleaning the Air Filter

A clogged filter reduces efficiency. Clean the filter every two weeks or more frequently if used in dusty environments.

1. Turn off and unplug the dehumidifier.
2. Locate the air filter (usually at the back or side, behind a removable grille).
3. Remove the filter.
4. Clean the filter with a vacuum cleaner or wash it gently with warm, soapy water. Rinse thoroughly and allow it to air dry completely before reinserting.
5. Reinstall the dry filter and close the grille.

Cleaning the Unit Exterior

- Wipe the exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Ensure no water enters the electrical components.

Storage

If storing the unit for an extended period:

- Empty and clean the water tank.
- Clean the air filter.
- Unplug the unit and coil the power cord neatly.
- Store the unit upright in a cool, dry place, preferably in its original packaging.

TROUBLESHOOTING

Before contacting customer support, please refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Unit does not turn on.	No power; Water tank full or incorrectly inserted; Power outage.	Check power connection; Empty and reinsert water tank correctly; Check circuit breaker.
No water collected.	Room humidity too low; Temperature too low; Air filter clogged; Unit in continuous drainage mode.	Increase desired humidity setting; Ensure room temperature is above 5°C; Clean air filter; Check if continuous drainage hose is properly connected and draining.
Unit is noisy.	Fan speed set to High; Unit not on a level surface; Obstruction in fan.	Switch to Low fan speed; Place unit on a flat, stable surface; Check for and remove any obstructions.
WiFi connection fails.	Incorrect pairing procedure; Router not 2.4GHz; Dehumidifier out of range; App issues.	Ensure correct pairing (press '%' button for 3 seconds); Verify 2.4GHz WiFi; Move unit closer to router; Restart app/phone.
Water leaks from unit.	Water tank improperly seated; Continuous drainage hose loose or blocked.	Reinsert water tank firmly; Check continuous drainage hose connection and ensure it's not blocked.

SPECIFICATIONS

Brand	H.Koenig
Model Number	DSH520
Dehumidification Capacity	20 Liters/day
Water Tank Capacity	5 Liters
Power	400 Watts
Noise Level	43 dB
Recommended Room Size	Up to 25 m²
Dimensions (L x W x H)	34 x 49.5 x 25.5 cm
Weight	14.6 Kilograms
Special Features	WiFi Function, Remote control via Tuya App, 24-hour Timer
Number of Speeds	2 (High/Low)

WARRANTY AND SUPPORT

The H.Koenig DSH520 Dehumidifier comes with a **2-year extended warranty**. This warranty covers manufacturing defects and ensures reliable operation under normal use conditions.

For warranty claims, technical assistance, or spare parts availability, please contact H.Koenig customer service.

After-sales service is supported by workshops in Spain and Portugal.

Please retain your proof of purchase for warranty validation.