

LEXENT Mevagissey 24L-UV

LEXENT 24L UVC Dehumidifier and Air Purifier User Manual

Model: Mevagissey 24L-UV

1. INTRODUCTION

Thank you for choosing the LEXENT 24L UVC Dehumidifier and Air Purifier. This appliance is designed to improve your indoor air quality by effectively removing excess moisture and purifying the air. It combines the functions of a powerful dehumidifier with a multi-stage air purification system, including UVC sterilization, to create a healthier and more comfortable living environment.

Please read this manual thoroughly before operating the unit to ensure safe and efficient use. Keep this manual for future reference.

2. SAFETY INFORMATION

To prevent injury to the user or others and property damage, the following instructions must be followed. Incorrect operation due to ignoring instructions may cause harm or damage.

- Always connect the unit to a properly grounded power outlet.
- Do not operate the unit with a damaged power cord or plug.
- Ensure the unit is placed on a stable, level surface to prevent tipping.
- Maintain a minimum distance of 20 cm (8 inches) from walls and furniture to allow for proper airflow.
- Do not block the air inlet or outlet.
- The UVC lamp is for internal sterilization. Do not attempt to open the unit or expose skin/eyes to direct UVC light.
- The unit uses R-290 refrigerant, which has a low environmental impact. Do not attempt to service the refrigerant system yourself.
- The appliance features an automatic shut-off function when the water tank is full to prevent overflow.
- Unplug the unit before cleaning or performing any maintenance.

3. PRODUCT OVERVIEW

3.1 Components



Front view of the LEXENT 24L UVC Dehumidifier and Air Purifier. The unit is white with the 'LEXENT' logo on the front, featuring air vents on the side and casters at the base for mobility.

- **Control Panel:** Located on the top of the unit for easy access to all functions.
- **Air Inlet/Outlet:** Vents for air circulation.
- **Water Tank:** A 3-liter capacity tank for collecting condensed moisture.
- **Washable Pre-dust Filter:** Located behind the air inlet, designed to capture larger particles.
- **Permanent Drainage Outlet:** Allows for continuous drainage using a hose (not included).
- **Convenient Handle:** Integrated for easy portability.
- **Plug Holder:** For neat storage of the power cord.
- **360° Detachable Casters:** Wheels at the base for effortless movement.



Washable
pre-dust filter



Convenient
handle



Plug holder



Permanent
drainage outlet



360°
Detachable
casters



Detailed view of the LEXENT dehumidifier highlighting key components such as the washable pre-dust filter, convenient handle, plug holder, permanent drainage outlet, and 360° detachable casters. Dimensions are shown as 51.7 cm height, 25 cm width, and 34.8 cm depth.

3.2 Key Features

- **2-in-1 Dehumidifier & Air Purifier:** Combines moisture removal with air purification in a single unit.
- **UVC Sterilization:** Utilizes UVC light to eliminate germs, fungi, and bacteria for a healthier atmosphere.
- **4-Stage Purification System:** Includes a pre-dust filter, silver ion filter, anion filter, and catechin filter to effectively remove dust, pollen, bacteria, and other harmful airborne substances.
- **24-Liter Extraction Rate:** Capable of removing up to 24 liters of moisture per day.
- **3L Water Tank with Auto Shut-off:** Automatically stops operation when the tank is full to prevent spills.
- **Digital Humidity Sensor:** Displays real-time humidity levels in the room.
- **24-Hour Timer:** Allows for precise scheduling of operation to save energy.
- **Quiet Operation:** Operates at a low noise level of approximately 41 dB.
- **Energy Efficient:** Low power consumption of 355 Watts.
- **R-290 Refrigerant:** Environmentally friendly refrigerant with low global warming potential.
- **Suitable Area:** Effective for spaces up to 55 m² (600 sq. ft.).

24L Dehumidifier & Air Purifier 2 in 1

Bringing you a comfortable living experience



Efficient
Dehumidification



Fan Mode



Air Purification



UVC Sterilisation



3L Water Tank



24-Hour Timer



Clean Refrigerant



R290 Refrigerant



Low Cost Energy

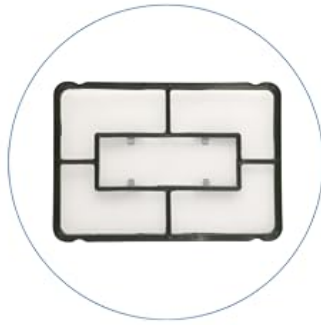
10p/hr to run *based 27p kWh

Visual representation of the LEXENT dehumidifier's key features, including efficient dehumidification, fan mode, air purification, UVC

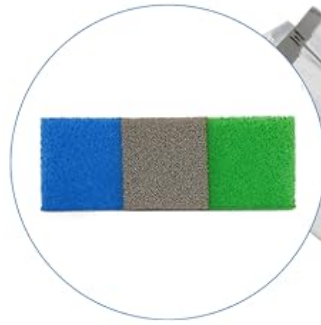
ADVANCED 4 STAGE PURIFICATION SYSTEM



AIR-IN FILTER



PRE-DUST FILTER



SILVER ION / ANION / CATECHIN FILTER IN-ONE

SILVER ION: Strongly attracts bacteria and microorganisms, goes through its cell membrane and makes the proteinase of bacteria loss activity. It can also disturb the composing of DNA of bacteria and microorganism, so that they would die for losing the capacity of division and breed.

ANION: Generate negative ions to bond with pollutant particles in the air and weigh them down, effectively diluting pollutant concentration and improving indoor air quality.

CATECHIN: Deactivate captured bacteria & unpleasant Odors .Catch dust mites, cigarette smoke & other common pollutants.

PRE-DUST FILTER: Remove dust, hair , pet dander and other large particles.

Diagram illustrating the advanced 4-stage purification system, which includes an air-in filter, pre-dust filter, and a combined silver ion/anion/catechin filter. This system effectively removes dust, pollen, bacteria, microorganisms, and other harmful substances from the air.

4. SETUP

4.1 Unpacking

1. Carefully remove the unit from its packaging.
2. Remove all packing materials and ensure no components are missing or damaged.
3. Keep the packaging for future storage or transportation.

4.2 Placement

- Place the dehumidifier on a firm, level surface in a location where the humidity is highest.
- Ensure there is at least 20 cm (8 inches) of space around the unit for proper air circulation.
- Avoid placing the unit near heat sources, in direct sunlight, or in areas exposed to splashing water.
- For optimal performance, close all doors and windows in the room where the unit is operating.

Suitable for Bedroom & Living room & Storage room & Office etc.



10L: 30m²/330sq. ft 16L: 45m²/500sq. ft 24L: 55m²/600sq. ft

An overhead view of a house layout showing the recommended placement of the LEXENT dehumidifier in a bedroom, indicating its effective coverage area and quiet operation at 39dB.

4.3 Caster Installation

If the casters are not pre-installed, gently tilt the unit and insert the casters into the designated slots at the bottom of the unit until they click into place.

4.4 Power Connection

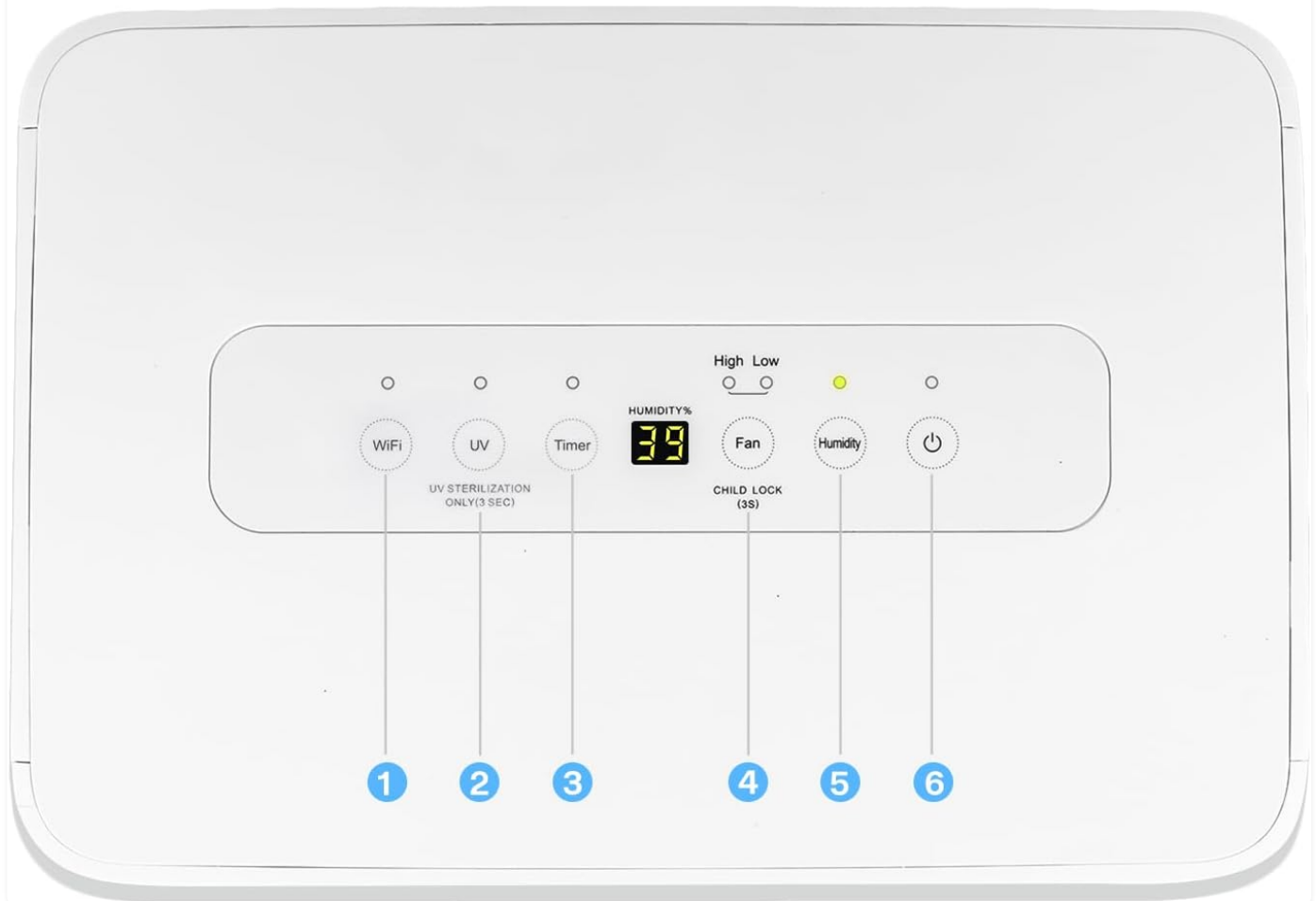
Plug the power cord into a grounded 220V-240V / 50Hz electrical outlet. Ensure the plug is fully inserted.

5. OPERATING INSTRUCTIONS

5.1 Control Panel Overview

Control Panel Description

- | | |
|------------------------|------------------------|
| 1 Show Wifi link state | 4 Fan mode (Two Speed) |
| 2 UVC Sterilisation | 5 Humidity(%) control |
| 3 Timer set | 6 On/Off |



Close-up view of the LEXENT dehumidifier's control panel, detailing each button and indicator: 1. WiFi link state, 2. UVC Sterilisation, 3. Timer set, 4. Fan mode (Two Speed), 5. Humidity (%) control, 6. On/Off.

1. **WiFi Link State:** Indicator for WiFi connectivity.
2. **UVC Sterilisation:** Button to activate/deactivate the UVC lamp.
3. **Timer Set:** Button to program the unit's operating time.
4. **Fan Mode (Two Speed):** Button to select between high and low fan speeds.
5. **Humidity (%):** Button to adjust the desired humidity level.
6. **On/Off:** Power button to turn the unit on or off.

5.2 Basic Operation

1. **Power On/Off:** Press the **On/Off** button to turn the unit on or off. The digital display will show the current room humidity.

2. **Set Desired Humidity:** Press the **Humidity (%)** button repeatedly to cycle through desired humidity levels (e.g., 40%, 50%, 60%). The unit will operate until the set humidity is reached, then pause.
3. **Fan Speed:** Press the **Fan Mode** button to switch between high and low fan speeds.
4. **UVC Sterilization:** Press the **UVC Sterilisation** button to activate the UVC lamp for air purification. Press again to deactivate.
5. **Timer Function:** Press the **Timer Set** button to set the desired operating duration (e.g., 1-24 hours). The unit will automatically turn off after the set time.

5.3 Continuous Drainage

For continuous operation without needing to empty the water tank, connect a suitable drainage hose (not included) to the permanent drainage outlet at the back of the unit. Ensure the hose is sloped downwards to allow water to flow out by gravity into a drain or larger container.

6. MAINTENANCE

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

6.1 Emptying the Water Tank

- When the water tank is full, the unit will automatically stop operating and an indicator light may illuminate.
- Carefully pull out the water tank from the back of the unit.
- Empty the collected water.
- Slide the empty tank back into the unit until it clicks into place. The unit will resume operation.

Dehumidification Capacity 10L/16L/24L per day

When the water tank is full, the sensor inside will shut off the unit automatically to avoid any spillages.



Water Tank Volume: 1.8L(10L / 16L)
3.0L(24L)

An image showing the water tank being removed from the dehumidifier, illustrating the 3.0L water tank volume for the 24L model. It also states that the unit automatically shuts off when the tank is full to prevent spillage.

6.2 Cleaning the Air Filter

- The washable pre-dust filter should be cleaned regularly, approximately every 78 hours of operation, or more frequently depending on air quality.
- Unplug the unit before cleaning.
- Remove the filter from the back of the unit.
- Wash the filter with clean, cold water. Do not use hot water or harsh detergents.
- Allow the filter to air dry completely before reinstalling it.
- For the internal 4-stage purification filters (Silver Ion, Anion, Catechin), refer to the product packaging or contact customer support for replacement schedules.

6.3 Cleaning the Unit Exterior

- Wipe the exterior of the unit with a soft, damp cloth.
- Do not use abrasive cleaners or solvents, as these may damage the surface.

7. TROUBLESHOOTING

Before contacting customer support, please refer to the following troubleshooting guide.

Problem	Possible Cause	Solution
Unit does not turn on	No power supply Power cord not properly connected Water tank full	Check power outlet and circuit breaker Ensure power cord is securely plugged in Empty the water tank and reinsert it correctly
No dehumidification or low efficiency	Humidity setting too high Air filter clogged Doors/windows open Room size too large	Lower the desired humidity setting Clean the air filter Close all doors and windows Ensure unit is suitable for room size
Water tank full indicator remains on after emptying	Water tank not properly reinserted Float switch malfunction	Push the water tank firmly into place Contact customer support
Unusual noise during operation	Unit not on a level surface Obstruction in fan area	Place unit on a flat, stable surface Check for and remove any obstructions
WiFi connection issues	Router too far Incorrect network settings	Move unit closer to router Refer to the separate WiFi setup guide or contact support

8. SPECIFICATIONS

Feature	Specification
Brand	LEXENT
Model Number	Mevagissey 24L-UV

Feature	Specification
Dehumidification Capacity	24 Liters/day
Water Tank Volume	3 Liters
Power	355 Watts
Voltage	220 Volts
Noise Level	41 Decibels
Fan Speeds	2
Dimensions (L x W x H)	24 x 39.2 x 53.7 cm
Weight	16.6 Kilograms
Refrigerant	R-290
Recommended Coverage Area	Up to 55 m² / 600 sq. ft.
Special Features	UVC Dehumidifier/Air Purifier combined, Low energy consumption, Powerful airflow, Automatic shut-off

9. WARRANTY AND SUPPORT

9.1 Warranty Information

LEXENT offers a five-year warranty on this product, with the exception of core components such as compressors, which carry a two-year warranty. During this period, LEXENT will provide repair, replacement, and other services for damaged machines in accordance with the warranty terms.
Please retain your proof of purchase for warranty claims.

9.2 Customer Support

If you encounter any issues not covered in the troubleshooting section or require further assistance, please contact LEXENT customer support. For the most up-to-date contact information, please refer to the official LEXENT website or your purchase documentation.
When contacting support, please have your model number (Mevagissey 24L-UV) and purchase date ready.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question