

## MADETEC 2102

# MADETEC Dehumidifier User Manual

Model: 2102

## INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your MADETEC Dehumidifier. This compact and portable dehumidifier is designed to reduce excess moisture in small to medium-sized spaces, such as bedrooms, bathrooms, closets, basements, garages, and RVs, covering areas up to 350 square feet (2500 cubic feet).

The dehumidifier utilizes advanced thermoelectric Peltier technology to effectively remove up to 450ml (34oz) of moisture per day, helping to maintain a comfortable humidity level below 45% and prevent issues related to dampness.

## SAFETY INFORMATION

Please read all safety instructions carefully before using the appliance. Failure to comply with these instructions may result in electric shock, fire, or serious injury.

- Ensure the power supply voltage matches the rating label on the dehumidifier.
- 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 the air inlet or outlet. Ensure proper ventilation around the unit.
- Always place the dehumidifier on a stable, level surface to prevent water spillage.
- Unplug the unit before cleaning, moving, or performing any maintenance.
- Do not immerse the dehumidifier or its electrical components 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 that they do not play with the appliance.

## PRODUCT OVERVIEW

Familiarize yourself with the components of your MADETEC Dehumidifier.





Figure 1: Front view of the MADETEC Dehumidifier, highlighting its compact design and visible water tank.



Figure 2: Side and rear view illustrating the compact dimensions (approximately 6 inches wide by 10 inches high) and indicating a low noise level of less than 35dB.

### Key Components:

- **Air Inlet/Outlet:** Located on the top and rear of the unit for air circulation.
- **Control Panel:** Buttons for power, mode selection, and LED light control.
- **Water Tank:** Transparent, removable tank with a 1000ml (35oz) capacity for collecting condensed water.
- **Handle:** Integrated handle for easy portability.
- **Removable Filter:** Located behind the rear grille, designed to block dust.

# Small Dehumidifiers for Home



Figure 3: Diagram showing the internal air filter and the path of dry air being blown out, indicating its dust-blocking capability.

## SETUP

1. **Unpack:** Carefully remove the dehumidifier from its packaging. Retain packaging for future storage or transport.
2. **Placement:** Place the dehumidifier on a firm, level surface in the desired location. Ensure there is at least 8 inches (20 cm) of space around the unit for proper airflow. Avoid placing it directly against walls or furniture.
3. **Power Connection:** Plug the power adapter into a suitable electrical outlet.



# Easy to Use & Assemble



Figure 4: Illustration of the dehumidifier's simple setup, showing the power button and LED light control button.

## OPERATING INSTRUCTIONS

### Power On/Off:

- Press the Power button (usually indicated by a universal power symbol) on the control panel to turn the unit ON. The indicator light will illuminate.
- Press the Power button again to turn the unit OFF.

### Working Modes:

The dehumidifier supports two distinct working modes:

- **Strong Mode:** In this mode, the fan operates at a high level to maximize moisture removal, quickly reducing humidity in the area. This is the default or primary operating mode.
- **Sleep Mode:** Designed for quiet operation, the fan speed is reduced, and the noise level is less than 30dB. This mode is ideal for use in bedrooms or other areas where minimal disturbance is desired, such as during reading or sleeping.

To switch between modes, refer to the specific button on your control panel, often labeled "Mode" or integrated with the power button for sequential presses.

### 7-Color LED Lights:

The dehumidifier features integrated LED lights that can be customized.

- Press the Light button (often indicated by a light bulb or color wheel symbol) to cycle through the available light options.
- You can choose to have the lights rotate through all 7 colors, or you can fix it to a specific color.
- To turn off the LED lights while the dehumidifier continues to operate, press and hold the Light button for a few seconds.



Figure 5: Steps for controlling the LED lights: Turn On, Lock Color, and Turn Off.

### Auto Shut-off Function:

For safety and convenience, the dehumidifier is equipped with an automatic shut-off feature.

- When the 1000ml water tank is full, the unit will automatically power off to prevent overflow.
- The indicator light will turn red and flash, signaling that the water tank needs to be emptied.

## Auto Shut Off Protection



Figure 6: Visual representation of the auto shut-off protection: normal operation (blue light) versus full tank (red flashing light).

## MAINTENANCE

### Emptying the Water Tank:

1. When the water tank is full, the dehumidifier will automatically shut off, and the indicator light will flash red.
2. Carefully pull out the water tank from the bottom of the unit. The tank has a visible groove for easy pulling.
3. Remove the lid from the water tank and pour out the collected water.
4. Replace the lid securely and slide the empty water tank back into the dehumidifier until it clicks into place. The unit will resume operation automatically.

### Cleaning the Unit:



- Always unplug the dehumidifier before cleaning.
- Wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Clean the air inlet and outlet grilles regularly with a soft brush or vacuum cleaner to prevent dust buildup.

**Cleaning the Removable Filter:**

The dehumidifier is equipped with a removable filter to block dust and ensure fresh air output.

1. Locate the removable filter behind the rear grille of the unit.
2. Gently pull out the filter.
3. Clean the filter with a soft brush or vacuum cleaner to remove accumulated dust. For heavier dirt, rinse with lukewarm water (no soap) and allow it to air dry completely before reinserting.
4. Reinsert the dry filter back into its slot.



Figure 7: Illustration of the removable filter and the process of cleaning it to maintain air quality.

**TROUBLESHOOTING**

If you encounter any issues with your dehumidifier, please refer to the following common problems and solutions before contacting customer service.

Problem	Possible Cause	Solution
Dehumidifier does not turn on.	No power supply; Water tank is full or not properly inserted.	Check if the power cord is securely plugged into the outlet. Empty and reinsert the water tank correctly.
No water collected or low dehumidification.	Room humidity is too low; Air inlet/outlet blocked; Temperature is too low; Filter is dirty.	Ensure room humidity is above 45% RH. Clear any obstructions from air vents. Operate in temperatures between 59-95°F (15-35°C). Clean the air filter.
Unit is noisy.	Unit is not on a level surface; Air filter is dirty.	Place the unit on a flat, stable surface. Clean the air filter. If noise persists, ensure no internal components are loose.
Red light flashing.	Water tank is full.	Empty the water tank and reinsert it properly.



## SPECIFICATIONS

Brand	MADETEC
Model Name	2102
Color	Black
Dehumidification Capacity	0.45 Liters per Day (approx. 450ml / 34oz)
Water Tank Capacity	1000 Milliliters (35oz)
Recommended Floor Area	Up to 350 Square Feet (2500 Cubic Feet)
Product Dimensions (D x W x H)	5.9"D x 5.04"W x 9.84"H (approx. 15 x 13 x 25 cm)
Item Weight	2.97 pounds (approx. 1.35 kg)
Noise Level	Less than 30dB (in Sleep Mode)
Operation Mode	Strong, Sleep
Special Feature	7-Color LED Lights, Auto Shut-off, Portable

## WARRANTY AND SUPPORT

Your MADETEC Dehumidifier comes with a 30-day return policy. For any issues or inquiries, please contact our professional customer service team directly.

Please refer to the contact information provided with your product packaging or visit the official MADETEC store for support details.






For more information and support, you may visit the [MADETEC Store on Amazon](#).



© 2024 MADETEC. All rights reserved.

### Related Documents - 2102

	<p><a href="#">MADETEC Household Dehumidifier User Manual</a></p> <p>Comprehensive user manual for the MADETEC household dehumidifier, detailing safety precautions, operation instructions, technical specifications, troubleshooting guide, and cleaning/storage procedures. This manual helps users effectively and safely operate their dehumidifier for optimal performance in various home environments.</p>
--	--

 <p>DEHUMIDIFIER</p> <p>(Instruction Manual) Please read this manual carefully before using the product and keep it for future inquiry.</p>	<p><a href="#">MADETEC CS3 Dehumidifier Instruction Manual</a></p> <p>Instruction manual for the MADETEC CS3 portable dehumidifier, detailing its features, specifications, parts, and usage instructions for effective home moisture control.</p>
 <p>TUFF SPORT™ INDOOR LED SCOREBOARDS SERVICE MANUAL P174711164 Version 1.0 © 2016</p>	<p><a href="#">Daktronics Tuff Sport Indoor LED Scoreboards Service Manual</a></p> <p>Service manual for Daktronics Tuff Sport Indoor LED Scoreboards, covering troubleshooting, component replacement, specifications, schematics, and warranty information.</p>
 <p>Pure Computer Series ERZ 2000-NG</p> <p>Operating Instructions Safety Information</p>	<p><a href="#">RMG ERZ 2000-NG Flow Computer: Operating Instructions and Technical Overview</a></p> <p>Detailed operating instructions for the RMG ERZ 2000-NG Flow Computer, covering its functions, applications in gas metrology, device structure, and performance features for industrial use.</p>
 <p>Pure &amp; Easy</p> <p>ASSEMBLY INSTRUCTIONS</p> <p>HZLZ-V2</p>	<p><a href="#">Yitahome HZLZ-V2 Greenhouse Assembly Instructions   Pure &amp; Easy</a></p> <p>Step-by-step assembly guide for the Yitahome Pure &amp; Easy HZLZ-V2 Greenhouse. Includes parts list, assembly instructions, and important notices.</p>
 <p>Master Materials and Equipment List</p> <p>Please refer to the list of materials and equipment required for laboratory activities in the Biology Through Inquiry curriculum by PASCO. Includes part numbers, quantities, and usage details for sensors, probes, and other scientific apparatus.</p>	<p><a href="#">Master Materials and Equipment List - Biology Through Inquiry</a></p> <p>Comprehensive list of materials and equipment required for laboratory activities in the Biology Through Inquiry curriculum by PASCO. Includes part numbers, quantities, and usage details for sensors, probes, and other scientific apparatus.</p>