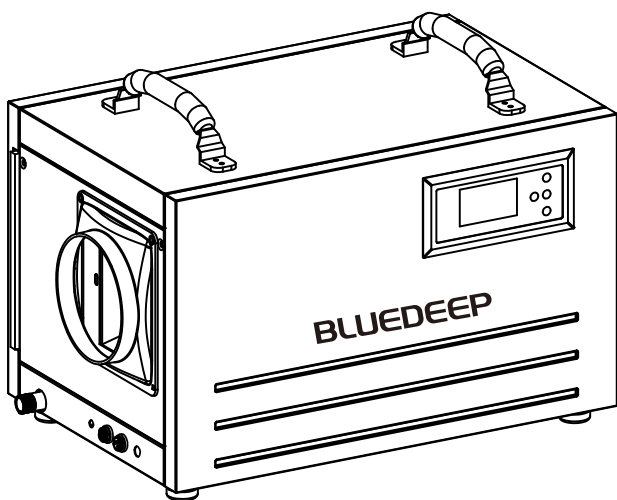


BLUEDEEP

Dehumidifier

User Manual



Model No.: DK120,DK145

Please read this user manual before operating and save for future reference.

NOTE:

To continuously improve its products, BLUEDEEP reserves the right to modify this information without prior notification. For any questions during assembly, please check the instructions on the product page for reference. Or contact our customer service with any questions, comments, or concerns, We are online 24H for you. Thank you for using BLUEDEEP products in your home!

Made in china

Welcome

Thanks for choosing BLUEDEEP dehumidifier!

BLUEDEEP is dedicated to keeping people healthy, comfortable and more enjoyable by offering quality appliances range from dehumidifiers to ice makers, and more. From breathing easier in your office to upgrading your kitchen appliances, we hope BLUEDEEP could help you every step of the way.

**READ THIS MANUAL INSTRUCTION CAREFULLY BEFORE USING THE UNIT.
PLEASE KEEP THIS FOR FUTURE REFERENCE.**

When we design this dehumidifier, we fully consider the needs of different consumers, we design compact Smaller size, a strong carrying handle for easy handling; can be used directly or through our optional remote control system lifting use, the machine outlet with flange mouth, can be connected to the duct system. Automatic defrost system, optional remote control system, and all other features make it ideal for underground spaces, basements, crawl spaces, and commercial applications. We do hope you'll enjoy the dehumidifier you purchased from us.

Before plugging in your new dehumidifier, we suggest that you read this user manual as it contains important safety information, operation instructions, troubleshooting, maintenance tips, and warranty information to ensure the reliability and longevity of your dehumidifier.

We also kindly ask you to take a few minutes to register your product at www.blvedeep.com for more efficient support .

We're always just an email away

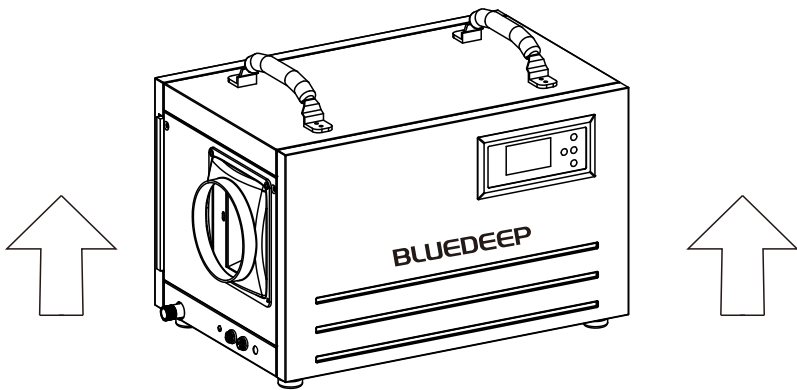
To access customer support, please email to support@blvedeep.com with your purchase order ID to help us address the problem faster and serve you better.

Thank you again!

BEFORE FIRST USE:

Please leave the dehumidifier sitting outside the box for **24 HOURS** before plugging it in.

The dehumidifiers may have been tilted or placed upside down during shipping. Leave the dehumidifier sitting for 24 hours so the oil in the compressor can settle from the move, not doing so can affect the performance or lifespan of the dehumidifier.



CONTENTS

SAFETY INFORMATION..... 1

PARTS IDENTIFICATION..... 2

OPERATION INSTRUCTIONS..... 3

 1. Position Your Dehumidifier..... 3

 2. Plug in..... 3

 3. Turn the Dehumidifier On 4

 4. Understand the Control Panel 4

 5. General Operation Quick Guide 5

 6. Timer Setting 6

 7. Drain Collected Water 7

 8. Smart Functions 9

MAINTENANCE 10

 1. Cleaning the Dehumidifier 10

 2. Clean the Air Filter 10

TROUBLE SHOOTING..... 11

 1. Error Codes..... 11

 2. System malfunction and protection 12

WARRANTY..... 13

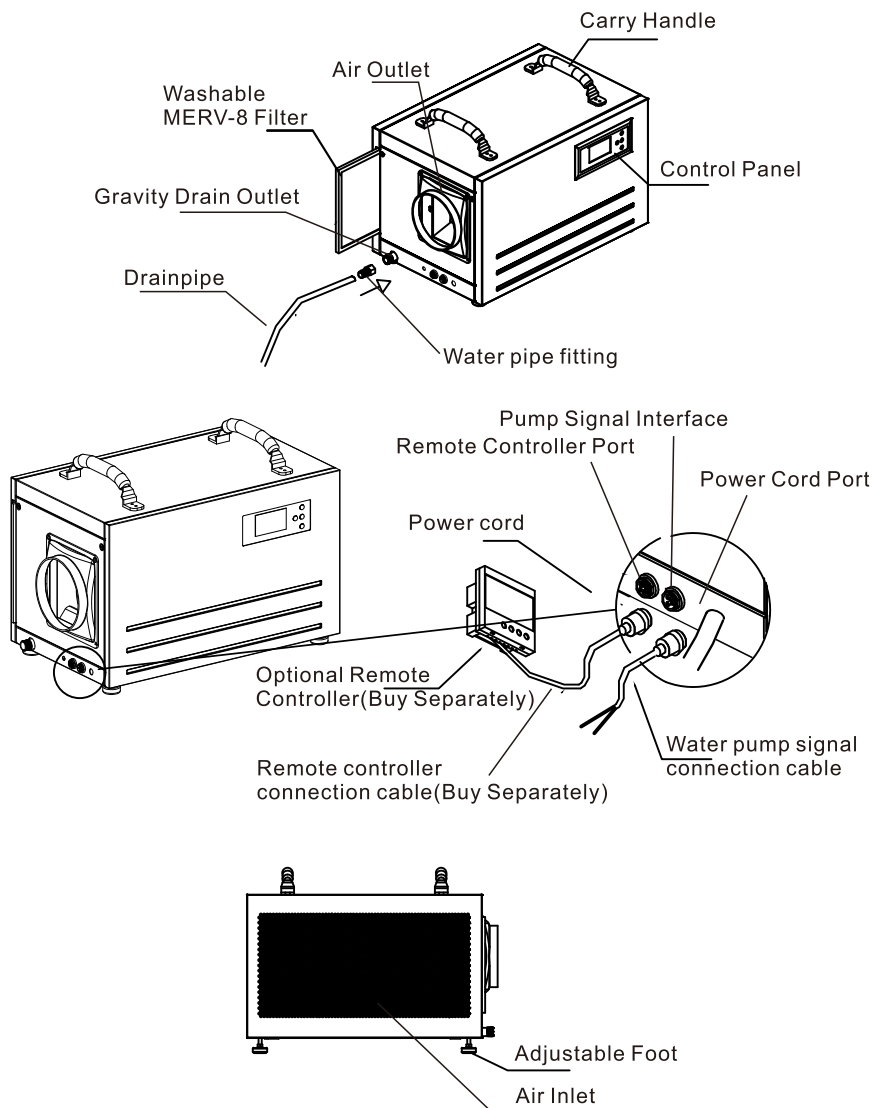
Product Warranty Card ----- 14

SAFETY INFORMATION

To prevent injury and property damage, the following instructions must be followed when using the dehumidifier.

1. Install the dehumidifier properly on a floor, table, or shelf that is level and strong enough to support it when the water bucket is full.
2. Do not place the dehumidifier near a heater.
3. Do not use the dehumidifier near flammable gas or combustibles, such as gasoline, benzene, thinner, etc.
4. Always plug into a grounded outlet properly.
5. Do not use if the power cord is broken or damaged.
6. Do not use the socket if it is loose or damaged.
7. Do not place a heavy object on the power cord and make sure that the cord is not compressed.
8. Do not modify power cord length.
9. Do not operate the dehumidifier with wet hands.
10. Do not place flower vases or other water containers on top of the dehumidifier.
11. Do not climb on or sit on the dehumidifier.
12. Do not operate or turn off the dehumidifier by plugging in or unplugging the dehumidifier.
Use the control panel instead.
13. Disconnect the power if strange sounds, odors, or smoke come from the dehumidifier.
14. Hold the plug by the head when taking it out.
15. Make sure to turn off and unplug the dehumidifier before cleaning.
16. Use a soft cloth to clean. Do not use wax, thinner, or a strong detergent.
17. Do not clean the dehumidifier with water. If water enters the dehumidifier, turn off the dehumidifier immediately.
18. Care should be taken when using the dehumidifier in a room with the following persons:
infants, children, the elderly and people not sensitive to humidity
19. Never insert your finger or other foreign objects into grills or openings. Take special care to warn children of these dangers.
20. Turn off and disconnect the power when not using the dehumidifier for a long time.

PARTS IDENTIFICATION



NOTE: DO NOT OBSTRUCT THE AIR INLET AND/OR OUTLET.

OPERATION INSTRUCTIONS

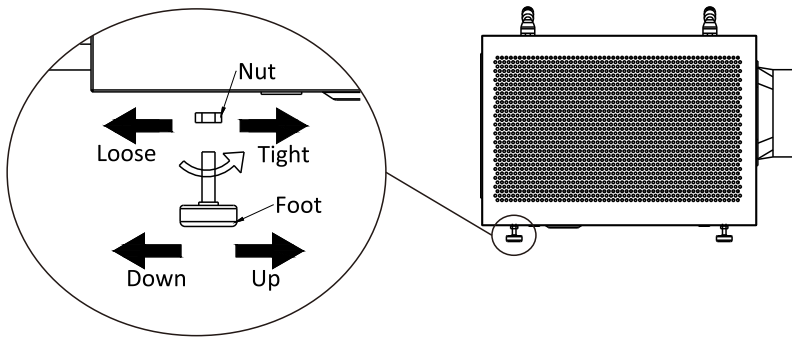
1. Position Your Dehumidifier

Install the dehumidifier horizontally to minimize vibration and or noise.

You can adjust the feet to level the dehumidifier.

To adjust the feet,

- Turn the nut in a clockwise direction to get the nut loosen;
- Turn the foot in a clockwise direction to get the foot down or turn the foot in a counterclockwise direction to get the foot up;
- Turn the nut in a counterclockwise direction to fix the foot.



For best results, operate your dehumidifiers in an enclosed area.

Close all doors and windows that open to the outside to maximize water removal efficiency.

Place your dehumidifier away from obstructions, and keep it away from anything that could block airflow into and out of the unit.

2.Plug in

IMPORTANT

Please let the dehumidifier sit outside the box for **24 hours** before initial plugging in.

Uncoil the power cord and plug it firmly into a properly grounded 110-120 volt AC outlet.

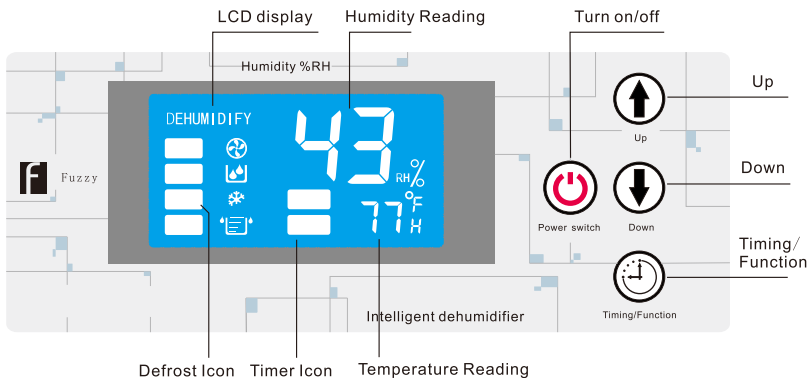
After plugged in, the control panel will light up for 1-2 seconds and then goes off, which is the normal self-diagnose process and does not require any user intervention.

3. Turn the Dehumidifier On

Press the **POWER** button to turn the dehumidifier on. Typically, the dehumidifier will run in the default setting with set humidity 30% at low fan speed .

4. Understand the Control Panel

The control panel on the dehumidifier has an LCD screen and 4 buttons. Press the POWER Button to turn the dehumidifier on. The LCD screen will light up and display the readouts as below.



(1)What is on the LCD Screen?

Big Font Digital Number (43 RH% on the above illustration) is humidity percentage reading of the inlet air that the dehumidifier detects which is similar to the room humidity level. When you are pressing the ↑ or ↓ button to set a desired humidity percentage value, the big font digital number will turn to display the setting value and flash.

Small Font Digital Number (77°F on the above illustration) is temperature reading of the inlet air which is similar to the room temperature. However, if the timer function is being set or has been activated, the small font digital number will turn to display the timer setting value or time remaining.

Running **Running Icon:** Running icon flickers typically because the compressor has not kicked in. It usually happens 1) when the dehumidifier is under the 3-minute compressor delay status; 2) when the dehumidifier is programmed to delay-start (AUTO ON TIMER).



Wet Controller Icon: Wet Controller Icon flickers when the room humidity level (inlet humidity reading) is 3% lower than the set humidity.

1) When you see the “wet controller” icon illuminating while setting up, it typically means the set humidity level is not 3% lower than the inlet humidity reading. Please make sure the set humidity value is at least 3% (10% recommended) lower than the inlet humidity reading.

2) In Humidistat Mode, if you see “wet controller” icon illuminating after running the dehumidifier for a while, it means the dehumidifier has got the room humidity down to the set point and the dehumidifier enters into standby mode.



Defrosting Icon: The dehumidifier begins to defrost when the frost has accumulated on the interior of the dehumidifier. When the dehumidifier is defrosting, the fan is running, but the compressor is not, the defrost icon is flashing. The dehumidifying function will cease until the frost has melted. When defrosting is complete, the defrosting icon will disappear and the dehumidifier begins to dehumidify again automatically.

Note: The frequent defrost process indicates that the room temperature is too cold.

Therefore, if the room temperature is lower than 60°F, please consider adding heat to promote proper drying.



Fan Icon: The fan icon illuminates when the fan is running.



Water Droplets Icon: The water droplets icon illuminates when the compressor kicks in, which means the dehumidifier is dehumidifying. When the compressor delays to start due to the 3-minutes delay system, this icon flickers.



Timer Icon: Timer icon illuminates when the timer function is enabled.

(2) Understand the Control Buttons

Power Button: Press to turn the dehumidifier ON or OFF.

Up Button: Press ↑ to increase the set-point of humidity level or timer.

Down Button: Press ↓ to decrease the set-point of humidity level or timer.

Timing/Function Button: Press once to check the settings. Press and hold for 3 seconds to enter Timer setting system.

5. General Operation Quick Guide

(1) Turn the dehumidifier on

Press the Power Switch to turn the dehumidifier on.

(2) Set a desired humidity percentage value

Press ↑ or ↓ button to set your desired humidity percentage value between 10%-98% in increment of 1%. 40%-60% is a general humidity setting guide. After selected the target value, press Timing/Function Button to confirm your setting, or let the setting be registered automatically after 5 seconds of no operations on the control panel.

Note:

- The dehumidifier with a humidistat will stop and start automatically to maintain room humidity level within a range of $\pm 3\%$ of the set point.

For example, if the set humidity is 50%,

- when the inlet humidity level the dehumidifier detects is 47%, 3% lower than the set humidity, the dehumidifier will automatically stop and enter into "wet controller" mode.
- when the inlet humidity level the dehumidifier detects raises to 53%, 3% higher than the set humidity, it will automatically restart.
- However, if the set humidity level is equal to or lower than 30, the dehumidifier will enter CONTINUOUS MODE where the dehumidifier will run continuously.

(1) Turn the dehumidifier off

Press the Power Switch to turn the dehumidifier off.

Note: To protect the compressor, the fan will continue to operate for 5 seconds after the dehumidifier has shut off. So please do not disconnect the power cord to force the dehumidifier to stop. Always use the power button.

6. Timer Setting

The TIMER function enables you to either delay AUTO-ON or delay AUTO-OFF the dehumidifier in the choice from 1 hour to 24 hours.

- **Setting an AUTO-ON timer:** When the dehumidifier is off, selecting Timer will turn the dehumidifier on in the hours that will be set.
- **Setting an AUTO-OFF timer:** When the dehumidifier is on, selecting Timer will turn the dehumidifier off in the hours that will be set.

Follow the below steps to set the TIMER:

- 1) Press and hold the Timing/Function Button for about 3 seconds, until you see the TIMER icon lights up and the small font digital number changes into **00** _H and flashes;
- 2) Adjust the timer setting by pressing ↑ or ↓ button repeatedly to change the delay timer at 1-hour increments, up to 24 hours.
- 3) After selected the target timer value, press Timing/Function Button to confirm your setting, or let the setting be registered automatically after 5 seconds of no operations on the control panel.

- 4)The small font readout will count down the time remaining (8,7,6, etc.) until the dehumidifier either starts or stops.
- 5)To disable the timer function, manually turn ON/OFF the dehumidifier, or set the timer to **00** _H.

Note:

- Before entering the AUTO ON TIMER setting, make sure power is being supplied to the dehumidifier.
- For the AUTO ON setting, please turn on the dehumidifier to select a desired humidity level. Otherwise, the humidity maintained will be the same as the previous setting.
- You can only set AUTO ON timer when the dehumidifier is off or set AUTO OFF timer when the dehumidifier is on, but not be able to set both AUTO ON and AUTO OFF timer at the same time.
- The TIMER will ONLY function one time instead of cycling the dehumidifier on or off indefinitely.
- The TIMER function will be disabled when the dehumidifier has been powered on/off manually.
- Set the timer as 00, the timer function will not be activated.

7. Drain Collected Water

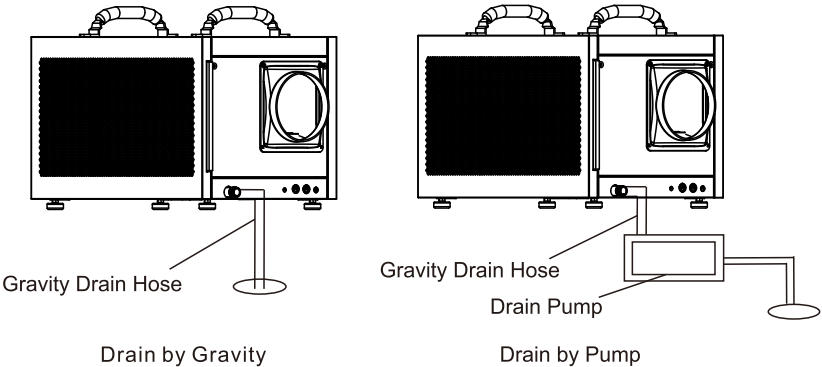
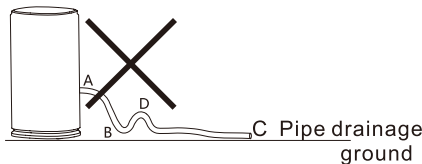
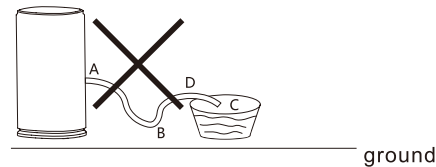


Image One: Error Connection example



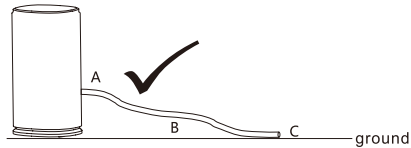
- The water pipe upward arch position D above position B, the inside of the water pipe is prone to air and accumulation, which leads to a smooth discharge through the Pipe.

Image Two: Error Connection example



- The water pipe and the water container contact point D is lower than the continuous drain A, but higher than the water pipe at the lowest point B, the inside of the pipe prone to air and water, leading to a smooth discharge of waters through the Pipe. Do not insert pipe outlet C into water.

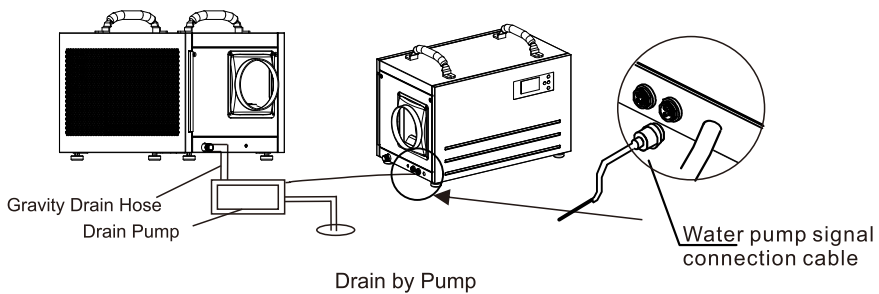
Image Three: Correct Connection example



- Water through the continuous drainage port A, from high to low through the B and outlet C smooth discharge, can be used to water containers or discharged into the sewer (outlet C is below the continuous drainage port of 10 cm above, do not recommend the addition of the original drainage pipe).
- Pipes can be bent and not folded on the ground, but cannot be partially arched.

Tips: The machine has no water full prompting function. When the container is used to receive drainage, attention should be paid to water level.

Machine product images for reference only, in kind to prevail



Drain by Pump:

(Before operating the following steps, the power cord must be unplugged)

When using an external water pump, the gravity drain hose must be connected to the water inlet of the water pump according to the correct installation method mentioned above. If the water pump has a water full fault signal output, you can connect the reserved water pump connection terminal of this product.

The connection method is as follows:

Pay attention to safety, do not touch directly when the power is turned on the pump rather full signal output (after connecting the line, follow the instructions of the chased water pump to simulate a water full failure. If the dehumidifier receives water full failure, the compressor will stop and the water full symbol will flash)

Note:

Not all external pump full signal is suitable for a dehumidifier, please follow the pump instructions for the operation method of the pump to test: the water full signal of the extremal pump is connected to the dehumidifier.

If the pump feedback water full signal and output to the dehumidifier, the dehumidifier displays a water full symbol, the compressor stops working.

When the water in the pump tank is empty, after canceling the feedback signal to the dehumidifier, the water full symbol will disappear and the compressor will start working again. This means that the external pump is full of water signals and the dehumidifier is adapted.

Troubleshooting:

If the water full signal of the external pump needs to be connected to the equipment, the compressor of the dehumidifier stops and displays the water full symbol, the pump does not work or the pump tank has no water, which means that the output signal of this pump does not match the dehumidifier.

Please cancel the connection between the pump and the dehumidifier, please turn off the power supply to restart the dehumidifier, the dehumidifier automatically eliminates the water full fault code of this equipment, and the compressor will start working again.

8. Smart Functions

(1)3 Minutes Compressor Delay Mechanism

To avoid any damage to the dehumidifier, the dehumidifier will not start operation following a complete cycle until after 3 minutes. Operation will automatically start after 3 minutes. In other word, if you turn the dehumidifier off and then restart it immediately, the compressor will not kick in until 3 minutes later. During this period, you can see the RUNNING icon flashing on the LCD screen until the compressor kicks in.

(2)Auto Defrost

When the frost builds up on the evaporator coils, the compressor will cycle off and the fan will continue to run until the frost disappears. When the dehumidifier is defrosting, you can see the DEFROSTING icon light up on the LCD screen.

(3)Auto-Restart

If the dehumidifier shuts off unexpectedly due to power outage, the dehumidifier will restart with the previous function settings automatically when the power resumes.

(4)Temperature Protection Function

When the room temperature is higher than 113°F, the dehumidifier will automatically enter into HIGH-TEMPERATURE PROTECTION SYSTEM where the LCD screen displays an "HH" message and the compressor stops.

When the room temperature is lower than 40°F, the dehumidifier will automatically enter into LOW-TEMPERATURE PROTECTION SYSTEM where the LCD screen displays an "LL" message and the dehumidifier stops working.

Note: When you see HH or LL message under normal circumstances, please contact the customer service at support@blvedeep.com to get technical support.

MAINTENANCE



To avoid possible electric shock, ensure to turn the dehumidifier off and disconnect the plug from the power source before performing any cleaning or maintenance.

(1)Cleaning the Dehumidifier

Clean the dehumidifier housing with a soft damp cloth. Do not submerge or place water on the dehumidifier or control panel. Water may damage the electronic components of the dehumidifier. Do not use chemical solvents such as benzene, alcohol, gasoline or other heavy-duty cleaners. The surface may become damaged or deformed.

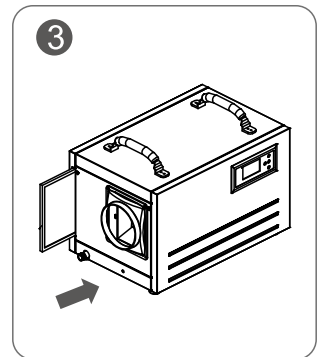
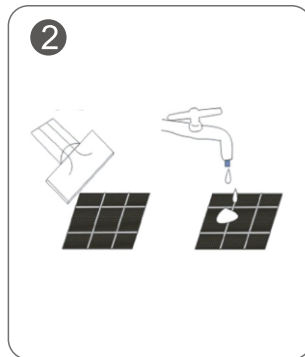
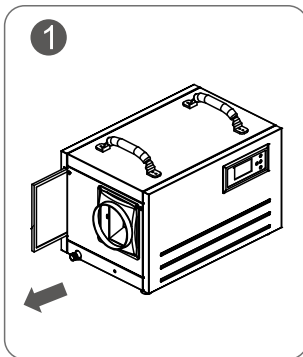
(2)Cleaning the Air Filter

The working performance of the dehumidifier will be greatly reduced if the filter becomes blocked. The air filter should be cleaned approximately every 2 weeks and may require more frequent cleaning if there is significant dander or fur in the air. The air filter is located behind the inlet grill.

Follow the steps below to clean the filter:

- Use a vacuum cleaner with a soft brush attachment to remove any large debris or dust build-up from the filter.
- Wash the filter in lukewarm, soapy water, below 40°C (104°F), or use a neutral cleaning agent.
- Rinse the filter with clean water and dry thoroughly.
- Re-install the filter.

NOTE: DO NOT operate the dehumidifier without a filter because dirt and lint will clog it, hence reducing performance.



TROUBLE SHOOTING

1. Error Codes

Error Code	Error Description
E3	Malfunction of phase sequence (not applicable for this model)
E5	Malfunction of system high pressure
E6	Malfunction of system low pressure
Ec (Ec)	Display information transmission abnormal

(Whether the above fault code exists depends on whether the actual model has this function.)

Note:

1. If E3 occurs, the compressor and fan still work, and can be restarted when power supplied (press any button can release the alarm).
2. If E3, E5, E6, E8 or E9 alarms, the machine needs to be cut off the power supply to restart after troubleshooting.
3. When Ec error occurs, the machine will not be controlled by the control panel.

If the ERROR message does not disappear after the restart, immediately contact BLUEDEEP customer service at support@blvedeep.com.

2. System malfunction and protection

1) When open circuit or malfunction happen in the humidity, the system will do not halt, the indication of malfunction will be displayed, after malfunction is removed, the indicator will be cancelled.

2) When the open circuit or short circuit happen in the temperature sensor.

i. When malfunction of open circuit and short circuit happened in either temperature sensor A and B, the system will not stop operation, malfunction warning will occur; when the malfunction is eliminated, the warning will be cancelled;

ii. When malfunction of open circuit and short circuit happened in both sensor A and B, the system will stop operation, malfunction warning will occur; when the malfunction is eliminated, the warning will be cancelled;

WARRANTY

BLUEDEEP offers a 12-month warranty to all of our products together with the original proof of purchase when a defect occurred, including those newly purchased and unused, from BLUEDEEP or through an authorized reseller, wholly or substantially, or as a result of faulty manufacturing parts, or workmanship during the Warranty Period. The warranty does not apply if damage is caused by other factors, including but without limitation of: Please fill out all required fields and include your Order ID, Date of Purchased if applicable.

- (a) Normal wear and tear;
- (b) Abuse, mishandling, accident, or failure to follow operating instructions;
- (c) Exposure to liquid or infiltration of foreign particles;
- (d) Servicing or modifications of the product other than by BLUEDEEP.

The BLUEDEEP warranty covers all costs related to restoring the proven defective product through repair or replacement of any defective part and necessary labor so that it conforms to its original specifications. A replacement product may be provided instead of repairing a defective product. BLUEDEEP's exclusive obligation under this warranty is limited to such repair or replacement.

We recommend that you register your product on our website www.blvedeep.com .

Although greatly appreciated, the product registration is not required to activate any warranty and product registration does not eliminate the need for the original proof of purchase.

These are our general terms for warranty service, but we always urge our customers to reach out to us with any issue, regardless of warranty terms. If you have an issue with a BLUEDEEP product, please contact us at support@blvedeep.com , and we will do our best to resolve it for you.

Extend Your Warranty by 1 Year

Register your product at www.blvedeep.com to extend your 1-year warranty by an additional year.

Please fill out all required fields and include your Order ID, Date of Purchased if applicable.

Website
www.blvedeep.com

Email
support@blvedeep.com

Product Warranty Card

Product name		Model
Dealer information	Dealer name	
	Dealer address	
	Phone	Purchase date
User information	User name	
	User address	
	Phone	Body number

Date	Fault phenomenon	Damaged component	Repairman

Product Certification

The product is approved to leave the factory after passing the inspection.
Production date: see the nameplate or barcode of the fuselage

Pass

QC

Remark: all the product drawings involved in this manual shall be subject to the object.

All the contents of this manual have been strictly checked and proofread, but there is possibility of incorrect typesetting or printing. Please feel free to understand