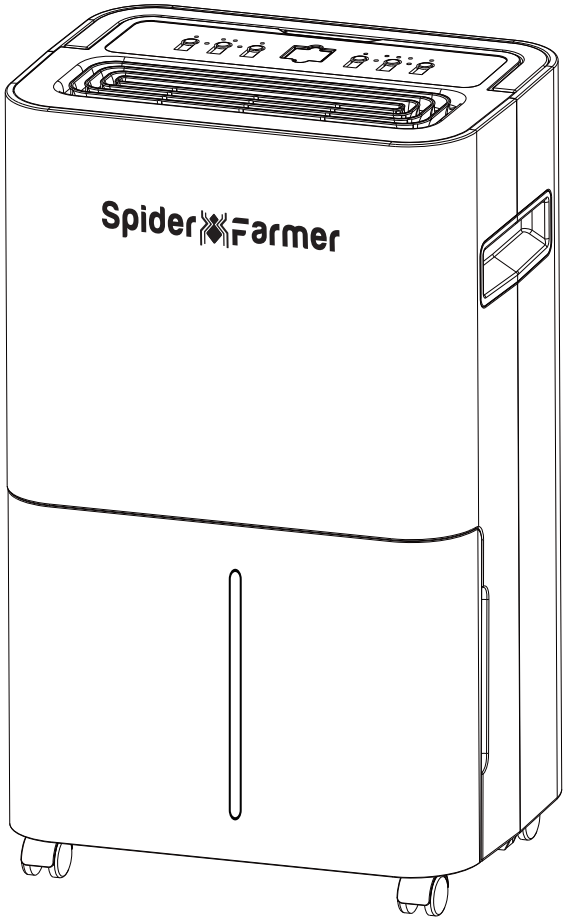
Spider Farmer

USER MANUAL

Compressor Dehumidifier

Master Humidity, Maximize Your Harvest



SF-Dehumidifier-04

PRECAUTIONS

IMPORTANT!
Do not install or use your mobile air conditioner before carefully reading this manual. Keep this instruction manual for warranty purposes and future reference.

Warning:
Do not use methods to accelerate the defrosting process or clean the unit other than those recommended by the manufacturer. The appliance must be stored in a room without continuously operating ignition sources (e.g., open flames, an active gas appliance, or an operating electric heater). Do not pierce or burn the appliance. Be aware that refrigerants may not have a detectable odor.





Warning (for R290)
Specific Information Regarding Appliances with R290 Refrigerant Gas.
- Thoroughly read all warnings.
- When defrosting and cleaning the appliance, use only tools recommended by the manufacturer.
- The appliance must be placed in an area without any continuous sources of ignition (e.g., open flames, gas, or electrical appliances in operation).
- Do not puncture or burn any part of the appliance.
- R290 is a refrigerant gas compliant with United States environmental directives. Do not puncture any part of the refrigerant circuit. If the appliance is installed, operated, or stored in an unventilated area, the room must be designed to prevent refrigerant leaks from accumulating, as this poses a fire or explosion risk due to ignition from electric heaters, stoves, or other sources.
- The appliance must be stored to prevent mechanical failure.
- Individuals working on or operating the refrigerant circuit must have appropriate certification from an accredited organization, ensuring competence in handling refrigerants based on specific industry standards.
- Repairs must be performed following the manufacturer's recommendations. Maintenance and repairs requiring external assistance must be supervised by qualified personnel experienced in handling flammable refrigerants.
- Ducts connected to the appliance must not contain potential ignition sources.

Warnings:
WARNING – Risk of Fire. Flammable refrigerant used. Repairs must only be performed by trained service personnel. Do not puncture refrigerant tubing.
WARNING – Risk of Fire. Dispose of the appliance properly, following federal or local regulations for flammable refrigerants.
WARNING – Risk of Fire. Consult the repair manual or owner's guide before servicing this product. All safety precautions must be strictly followed.
WARNING – Risk of Fire. Flammable refrigerant used. Follow handling instructions carefully, in compliance with national regulations.
WARNING – Risk of Fire. To be repaired only by trained service personnel. Do not puncture refrigerant tubing.
WARNING – Risk of Fire. Proper disposal is required according to federal or local regulations.
WARNING – Risk of Fire. Always consult the repair manual or owner's guide before servicing. Adhere to all safety precautions.
WARNING – Risk of Fire. Follow handling instructions and comply with national regulations to safely handle flammable refrigerants.
Make sure to carefully follow all manufacturer guidelines and national regulations to ensure safe and proper use of the appliance.

General Safety Instructions
1. The appliance is for indoor use only.
2. Do not use the unit on a socket that is under repair or improperly installed.
3. Do not use the unit in the following conditions:
A: Near a source of fire.
B: In an area where oil is likely to splash.
C: In an area exposed to direct sunlight.
D: In an area where water is likely to splash.
4. All air-conditioner sockets must comply with local electric safety requirements. If necessary, ensure compliance with these requirements.
5. Children should be supervised to ensure they do not play with the appliance.
6. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or a similarly qualified person to avoid hazards.
7. This appliance can be used by children aged 8 years and above and by persons with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, if they have been given proper supervision or instruction on safe use and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance must not be carried out by children without supervision.
8. 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 proper supervision or instruction by someone responsible for their safety.
9. The appliance must be installed in accordance with national wiring regulations.
10. Recycling: This marking indicates that this product should not be disposed of with other household wastes. To prevent harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of materials. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased for environmentally safe recycling.

11. Contact an authorized service technician for repair or maintenance of this unit.
12. Do not pull, deform, or modify the power supply cord, or immerse it in water. Misusing or pulling the power cord can damage the unit and cause electrical shock.
13. Compliance with national gas regulations must be observed.
14. Keep ventilation openings free from obstruction.
15. Any person working on or breaking into a refrigerant system must hold a current, valid certificate from an industry-accredited assessment authority, which ensures their competence to safely handle refrigerants in accordance with recognized industry specifications.
16. Servicing should only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring assistance from other skilled personnel must be carried out under the supervision of a person competent in handling flammable refrigerants.
17. Do not operate or stop the unit by inserting or pulling out the power plug, as this may cause electric shock or fire due to heat generation.
18. Unplug the unit immediately if strange sounds, smells, or smoke are detected.
19. The applicable operating temperature range for this unit is 63°F-95°F. Model specifications for the fuse: 3.15A, 250VAC.
20. Qualification of Workers: The manual must contain specific information about the required qualifications of working personnel for maintenance, service, and repair operations. All safety-related procedures, such as breaking into the refrigerating circuit or opening sealed components, should only be performed by competent individuals.
21. Information on Servicing – Checks to the Area: Before starting work on systems containing flammable refrigerants, safety checks must be conducted to minimize the risk of ignition during repairs to the refrigerating system.
22. Information on Servicing – Work Procedure: Work must be undertaken under a controlled procedure to minimize the risk of flammable gas or vapors being present during the work.
23. Information on Servicing – General Work Area: All maintenance staff and nearby workers should be informed of the nature of the work being carried out. Work in confined spaces should be avoided.
24. Information on Servicing – Checking for Presence of Refrigerant: Use an appropriate refrigerant detector to ensure the area is free from toxic or flammable atmospheres. Leak detection equipment should be non-sparking, adequately sealed, or intrinsically safe.
25. Information on Servicing – Presence of Fire Extinguisher: If hot work is required, ensure appropriate fire extinguishing equipment, such as a dry powder or CO2 fire extinguisher, is available near the charging area.
26. Information on Servicing – No Ignition Sources: Avoid all ignition sources, such as open flames and smoking, during work on refrigerating systems where pipework may be exposed. Display "No Smoking" signs and survey the area beforehand to eliminate flammable hazards or ignition risks.
27. Information on Servicing – Ventilated Area: Ensure the work area is open or adequately ventilated before breaking into the system or conducting hot work. Proper ventilation must continue throughout the work period to safely disperse released refrigerants.
28. Information on Servicing – Checks to the Refrigerating Equipment: When changing electrical components, ensure they meet the correct specifications. Always follow the manufacturer's maintenance and service guidelines. If uncertain, consult the manufacturer's technical department.
The following checks should be applied to systems using flammable refrigerants:
- Verify that the refrigerant charge complies with the room size where refrigerant-containing parts are installed.
- Ensure ventilation machinery and outlets are operating adequately and unobstructed.
- Check the secondary circuit of indirect refrigerating systems for the presence of refrigerants.
- Confirm that equipment markings remain visible and legible; correct any illegible markings or signs.
- Ensure refrigerating pipes or components are installed away from substances that may corrode refrigerant-containing parts unless adequately protected against corrosion.

29. Information on Servicing – Checks to Electrical Devices
Repair and maintenance of electrical components must include initial safety and component inspection procedures. If a fault exists that could compromise safety, do not connect the electrical supply until it has been resolved. If the fault cannot be corrected immediately but operation must continue, implement an adequate temporary solution and notify the equipment owner. Initial safety checks must include:
- Discharging capacitors safely to avoid sparking.
- Ensuring no live electrical components or wiring are exposed during charging, recovering, or purging the system.
- Verifying continuity of earth bonding.

30. Repairs to Sealed Components
Before performing repairs to sealed components:
- Disconnect all electrical supplies to the equipment.
- If it is necessary to maintain an electrical supply, a permanent leak detection system must be in place at critical -points to warn of hazardous situations.
- Ensure that repairs to electrical components do not alter the casing in a way that affects the level of protection, including damage to cables, excessive connections, incorrect fittings, or degraded seals.
- Replacement parts must meet the manufacturer's specifications.

31. Repairs to Intrinsically Safe Components
Do not apply permanent inductive or capacitance loads to the circuit without confirming it is within permissible voltage and current limits. Intrinsically safe components are the only types that can be worked on live in the presence of flammable atmospheres. Use test apparatus at the correct rating and replace components only with manufacturer-specified parts to avoid ignition risks.
32. Cabling
Ensure that cabling is protected from wear, corrosion, excessive pressure, vibration, sharp edges, or adverse environmental effects. Consider aging or continual vibration from components like compressors or fans.
33. Detection of Flammable Refrigerants
Do not use potential ignition sources to detect refrigerant leaks. Avoid halide torches or detectors with naked flames. Acceptable leak detection methods include:
- Electronic Leak Detectors: Ensure they are non-sparking and suitable for the refrigerant used, calibrated to detect leaks at a safe percentage of the refrigerant's lower flammable limit (LFL).

●Leak Detection Fluids: Avoid detergents containing chlorine to prevent corrosion of copper pipework.
If a leak is suspected, extinguish all open flames. Recover refrigerants from the system before brazing, isolating them in a safe area if possible.
34. Removal and Evacuation
When breaking into the refrigerant circuit for repairs or other purposes, follow best practices for flammable refrigerants:
a) Remove refrigerant safely in compliance with local regulations.
b) Purge the circuit with inert gas.
c) Evacuate the system.
d) Purge again with inert gas.
e) Open the circuit by cutting or brazing.
Refrigerant must be recovered into appropriate cylinders unless local codes allow venting. For flammable refrigerants, use oxygen-free nitrogen for purging and repeat the process until the system is free of refrigerants. Never use compressed air or oxygen for purging. Vent the system to atmospheric pressure and ensure vacuum pump outlets are far from ignition sources, with proper ventilation.
35. Charging Procedures
Follow these additional requirements during refrigerant charging:
●Prevent contamination of different refrigerants when using charging equipment.
●Use short hoses to minimize refrigerant volume.
●Position cylinders as instructed.
●Ensure the refrigerating system is earthed before charging.
●Label the system after charging.
●Take extreme care to avoid overfilling the system.
Before recharging, pressure-test the system with purging gas. Conduct leak tests before and after commissioning and perform a follow-up test before leaving the site.
36. Decommissioning
Before starting the decommissioning process, ensure the technician is thoroughly familiar with the equipment and its details. It is recommended as good practice to recover all refrigerants safely. Prior to performing this task, take samples of oil and refrigerant in case analysis is required before reusing the recovered refrigerant. Electrical power must be available before beginning the task.
a) Familiarize yourself with the equipment and its operation.
b) Electrically isolate the system.
c) Before proceeding, ensure that:
●Mechanical handling equipment is available, if needed, for refrigerant cylinders.
●All personal protective equipment is ready and being used properly.
●A competent person supervises the recovery process at all times.
●Recovery equipment and cylinders comply with applicable standards.
d) Pump down the refrigerant system, if possible.
e) If a vacuum is not possible, create a manifold to remove refrigerant from various parts of the system.
f) Place the cylinder on scales before beginning recovery.
g) Start the recovery machine and operate it according to the instructions.
h) Do not overfill cylinders (no more than 80% of the liquid charge volume).
i) Do not exceed the maximum working pressure of the cylinder, even temporarily.
j) Once the cylinders are properly filled and the process is complete, remove the cylinders and equipment from the site promptly, ensuring all isolation valves on the equipment are closed.
k) Recovered refrigerant must not be charged into another refrigerating system unless it has been cleaned and checked.
37. Labelling
Equipment that has been decommissioned and emptied of refrigerant must be labelled accordingly. The label must include the date and signature of the person performing the decommissioning. For appliances containing FLAMMABLE REFRIGERANTS, labels must clearly indicate that the equipment contains flammable refrigerant.
38. Recovery
When removing refrigerant from a system for servicing or decommissioning, ensure all refrigerants are safely removed.
●Use appropriate refrigerant recovery cylinders for transferring refrigerant.
●Verify that an adequate number of cylinders are available to accommodate the total system charge.
●Ensure cylinders are designated and labelled for the specific refrigerant.
●Cylinders must include a pressure-relief valve and functioning shut-off valves.
●Empty recovery cylinders should be evacuated and, if possible, cooled prior to recovery.
●Recovery equipment must be in good working order, accompanied by instructions, and suitable for recovering all refrigerants, including FLAMMABLE REFRIGERANTS.
●Calibrated weighing scales must be available and in good condition.
●Hoses must be leak-free, fitted with disconnect couplings, and in good condition.
●Before using recovery machines, verify they are properly maintained, sealed to prevent ignition, and in satisfactory working condition. Consult the manufacturer if uncertain.
Recovered refrigerant must be returned to the supplier in the correct recovery cylinder, with the appropriate waste transfer documentation. Do not mix refrigerants in recovery units or cylinders.
●If compressors or compressor oils are removed, ensure they are evacuated to an acceptable level to eliminate flammable refrigerants from the lubricant. Use only electric heating to accelerate the process of draining oil safely.
Important Safety Notes
●If any components are damaged, contact customer service for assistance.
●In the event of damage, turn off the air switch, disconnect the power supply, and contact customer service.
●Ensure the power cord is firmly grounded at all times.
●If the power cord is damaged, turn off the air switch, disconnect the power supply, and contact customer service to avoid potential hazards.

INSTRUCTIONS FOR REPAIRING APPLIANCES CONTAINING R290

General Instructions:

1. Checks to the Area: Before beginning work on systems containing flammable refrigerants, safety checks are necessary to minimize the risk of ignition. For repairs to the refrigerating system, comply with the following precautions:

●Ventilated Area: Ensure the work area is either open or adequately ventilated before breaking into the system or conducting hot work. Maintain ventilation during the entire process to safely disperse any flammable gases.

Detection of Flammable Refrigerants:

1. No Ignition Sources: Under no circumstances should potential sources of ignition be used when searching for or detecting refrigerant leaks. Halide torches or any other detectors using a naked flame must not be used.

2. Acceptable Leak Detection Methods:

●Electronic leak detectors may be used to detect refrigerant leaks. However, for flammable refrigerants, ensure the sensitivity of the detector is adequate or recalibrated as needed in a refrigerant-free area.

●Verify that the detection equipment is not a potential ignition source and is suitable for the refrigerant being used.

Leak detection equipment must be set at a percentage of the refrigerant's Lower Flammability Limit (LFL), with a maximum of 25%.

●Leak Detection Fluids: These are suitable for most refrigerants. Avoid detergents containing chlorine as they can react with refrigerants and corrode copper pipework.

Note: Examples of acceptable leak detection fluids include:

●Bubble method

●Fluorescent agents

3. Handling Leaks:

●If a leak is suspected, remove or extinguish all naked flames immediately.

●For brazing leaks, recover all refrigerants from the system, or isolate them using shut-off valves in a remote part of the system.

Safety Information:

1. Install the machine on a flat surface to minimize vibration or noise.
2. Inspect the power cord before use. Never operate the machine if the power cord or plug is damaged.
3. Insert the three-prong plug on the power cord into a properly grounded outlet (120V/60Hz).

Do Not Use:

●Adapters

●Extension cords

●A cut or altered third prong.

●Do not operate the machine in standing water. Keep the motor and wiring dry.

●Never immerse the machine in water or other liquids.

●Keep the machine away from heat-generating devices, flammable materials, or dangerous substances.

●Always unplug the power supply before cleaning or storing the machine. Grasp the plug, not the cord, when unplugging.

●Do not put fingers or objects into the air inlet or outlet.

●Never insert any foreign objects into the machine body.

●Do not sit, stand, or place heavy objects on the machine.

Never repair or remove the plug or power cord. Any repairs should be performed by a qualified electrician or distributor.

Safety Notes:

For your safety, please read this manual carefully and keep it for future reference. This product is for home use only. Please install and use the product according to the instructions in this manual.

●Before cleaning the dehumidifier, ensure the machine is turned off and unplugged from the power source.

●Do not place the machine near heat sources or flammable goods.

●Avoid inserting sticks or fingers into the air inlet or outlet.

●Always place the machine on a flat, even surface; do not use on uneven or sloping ground.

●Do not spray water, insecticides, or flammable liquids on the machine.

●Avoid placing the machine in confined or narrow spaces.

●If the power cord is damaged, contact a technician approved by the company to replace it.

●In Dry Mode, keep clothing at least 15.7 inches (40 cm) away from the air outlet to prevent water damage to the machine.

●Ensure the machine's power wiring is installed according to national wiring regulations. The power cord must be connected to a reliable external neutral wire.

●The fixed wiring connected to the machine must include a double-pole disconnect device (air switch) with a contact distance of at least 0.118 inches (3 mm).

●Fuse specification: 3.15A.

●Use the dehumidifier in environments with temperatures between 41°F (5°C) and 95°F (35°C).

WARNING

1. Keep the equipment out of reach of infants, children, and the elderly.
2. Store the equipment in a room free from ignition sources, such as open flames, working gas appliances, or operating electric heaters.
3. Ensure the equipment is installed in accordance with national wiring regulations.
4. If the power cord is damaged, it must be replaced by the manufacturer, an authorized agent, or a qualified professional.
5. The device should only be operated by workers under the guidance of a professional.
6. Do not puncture or burn the equipment.
7. Be aware that refrigerants may not emit any odor.
8. Refrigerant must only be added at the specified location.
9. This product cannot be disposed of with household garbage. Properly sort and recycle it to promote the sustainable use of resources.
10. Do not use methods to accelerate the defrosting process or cleaning procedures other than those recommended by the manufacturer.

CAUTION

1. Do not place the dehumidifier near a heater or use it near flammable gases or combustibles such as gasoline, benzene, or thinner.
2. Do not use the product if the power cord is broken or damaged.
3. Do not use a socket that is loose or damaged.
4. Do not modify the length of the power cord or share the outlet with other dehumidifiers. Never attempt to disassemble or repair the dehumidifier yourself.
5. Do not place heavy objects on the power cord, and ensure the cord is not compressed.
6. Do not place flower vases or other water containers on top of the dehumidifier.
7. Do not operate or turn off the dehumidifier by plugging it in or unplugging it. Always use the control panel instead.
8. Always turn off and unplug the dehumidifier before cleaning. Disconnect the power when the dehumidifier is not in use for an extended period.
9. Use a soft cloth for cleaning. Avoid using wax, thinner, or strong detergents.
10. Do not climb or sit on the dehumidifier.

SAFETY NOTE

1. Avoid placing the machine on soft or uneven ground during use to prevent vibration and movement.
2. Do not insert thin rods or hard objects into the unit to prevent malfunction or potential danger.
3. Keep the machine away from heating sources such as furnaces, electric kettles, and other heat-emitting devices.
4. Do not obstruct the air inlet or outlet or place objects around them. Blocked ventilation can hinder the dehumidification process.
5. If the product will not be used for an extended period, ensure you unplug the power cord.
6. Use a damp cloth or fabric to gently clean the unit's surface. Avoid directly splashing water onto the unit.
7. Do not place any objects on top of the dehumidifier.
8. Clean the filter every two weeks. Avoid using hot water above 104°F (40°C), gasoline, toluene, or other harsh substances.
9. When using continuous drainage, ensure the drainage pipe is positioned horizontally on the ground. Avoid placing the pipe on uneven surfaces or in an arched position.
10. After cleaning the filter, do not dry it under direct sunlight to prevent deformation.
11. Before moving or carrying the machine, ensure the water in the tank is completely emptied.

DEHUMIDIFIER PRECAUTIONS

For optimal performance and safety, adhere to the following guidelines:
After unboxing, allow the dehumidifier to rest upright for 24 hours before plugging it in to prevent potential internal damage. During operation, ensure the product remains in an upright position to avoid internal damage. Always prioritize safety by reading and retaining the instruction manual, and restrict usage to indoor environments only. Follow the provided instructions meticulously for both installation and operation.
1. Turn off the power and unplug the dehumidifier from the outlet before cleaning.
2. Do not place the machine near heat sources or flammable materials.
3. Avoid inserting fingers or objects into the air inlet or outlet.
4. Always place the machine on level surfaces; do not use it on uneven or sloping ground.
5. Do not spray water, insecticides, or flammable liquids on the unit.
6. Avoid placing the machine in confined or narrow spaces.
7. When using the dry clothes function, ensure clothes are at least 15.7 inches away from the air outlet to prevent water from entering the machine and causing damage.
8. The machine's power wiring must comply with national wiring regulations, and the power cord should be connected to a reliable external ground wire.
9. The model specification for the safety fuse is 3.15A. This dehumidifier is designed to operate in an environment between 41°F (5°C) and 95°F (35°C).
10. Ensure that objects surrounding the machine are at least 7.9 inches (20 cm) away, as shown in the instruction manual.
11. Children should be supervised to ensure they do not play with the appliance.
12. This appliance is not intended for use by individuals (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction regarding its use by a person responsible for their safety.

WARRANTY INFORMATION

Spider Farmer offers warranty services in the United States, Canada, United Kingdom, European Union, and Australia.

30-Day Return Policy:

Returns or exchanges are accepted within 30 days of delivery if the product is in its original condition.Shipping costs are covered by Spider Farmer.

2-Year Warranty:

Within 1 Year: Free repair or replacement for product defects. Customers cover all shipping costs.

1 to 2 Years: Customers are eligible for free accessories or trade-in allowances. Repair services are available, and all costs, including parts and shipping, are borne by the customer.

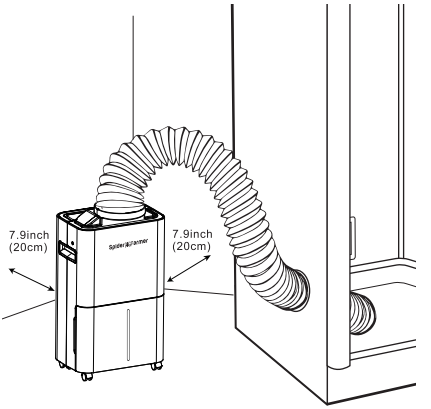
Note: Unauthorized repairs, modifications, or improper use will void the warranty.

Exclusions:

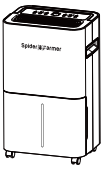
The warranty does not cover misuse, abuse, or normal wear and tear, such as scratches.

Limitation of Liability:

Spider Farmer is not responsible for consequential or incidental damages.

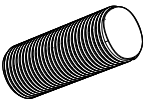


PACKAGE CONTENTS



Dehumidifier
(With Power Cord) x 1

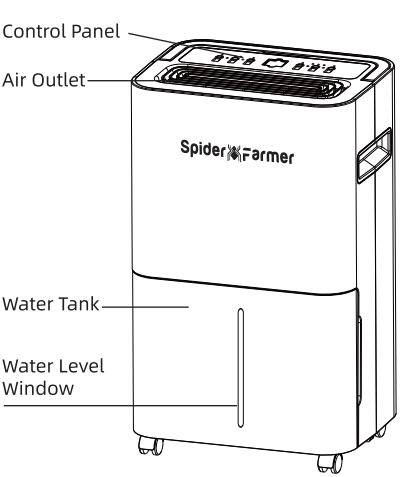
Connecting
Component x 1

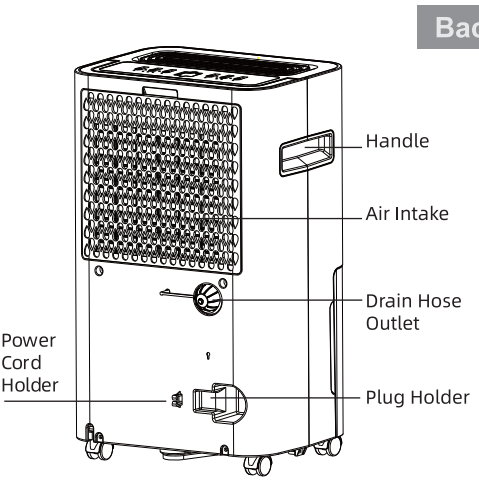


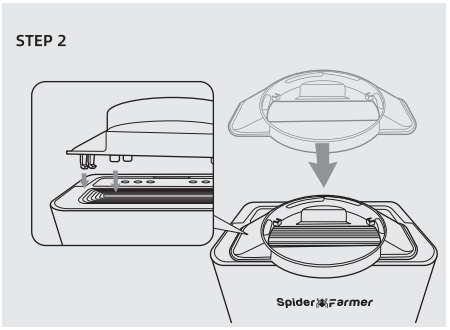
Air Duct x 1

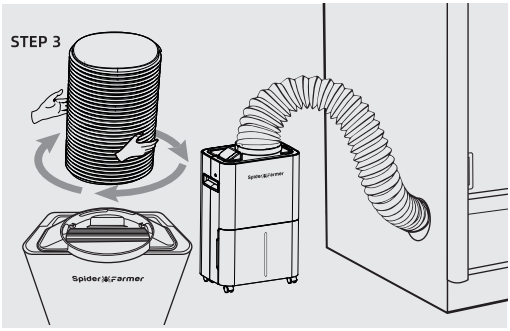
Temperature/Humidity
Sensor Wire x 1

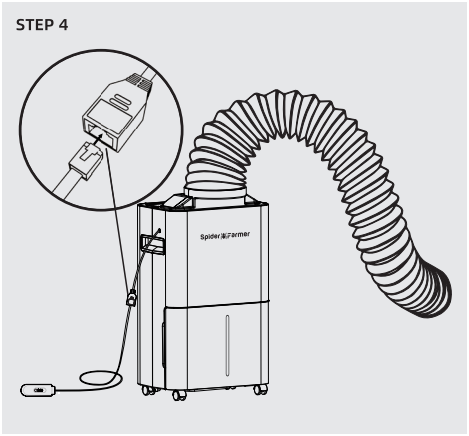
Drain Hose x 1

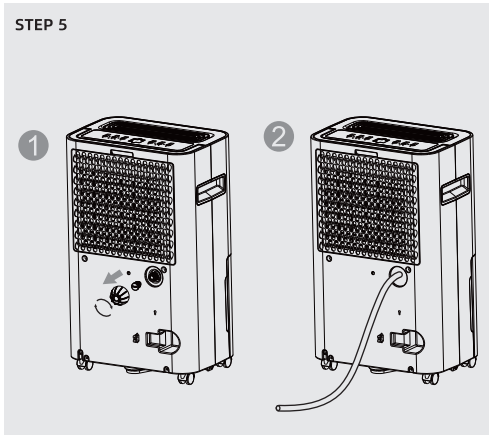












HOW TO INSTALL

NOTE: Before installation, it's important to understand the two typical drainage modes: Intermittent Drainage Mode and Continuous Drainage Mode.
Intermittent Drainage Mode: The water tank must be manually emptied when full, as indicated by an alarm. This mode does not require a drainage pipe.
Continuous Drainage Mode: Water is directed through a drain pipe inserted into the dehumidifier's outlet. Refer to Step 5 for setup.

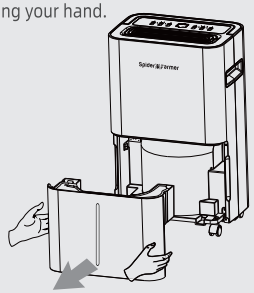
STEP 1: Carefully remove the dehumidifier from its packaging. Ensure all shipping materials are completely removed from the unit.
WARNING: Always keep the product upright.
STEP 2: Install the connecting component onto the dehumidifier.
STEP 3: Attach one end of the air duct to the connecting component, and connect the other end to your grow tent.
WARNING:
Do not direct the air duct toward the plants; avoid blowing air directly onto them.
Do not block the product's air intake or exhaust ports.
STEP 4: Insert the external cable of the humidity sensor into the connector. Position the humidity sensor probe where it best represents the humidity levels experienced by the plants.
STEP 5: Open the drain cover, remove the soft rubber plug, and store it safely. Insert the water pipe into the continuous drainage port. Position the end of the water pipe at the drainage location you have arranged. Ensure the water outlet of the pipe is at least 3.9 inches (9.9 cm) lower than the continuous drainage port. Additionally, ensure the water pipe remains straight and free of bends.

NOTE: The diameter of the continuous drain port is 16 mm (0.63 inches).

HOW TO EMPTY THE TANK

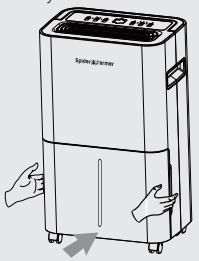
When the water tank is full, the full tank indicator light will illuminate. The dehumidifier will automatically shut off until the water tank is emptied and replaced. (In Continuous Drainage Mode, the collected water will be drained through the pipe, bypassing the need to empty the tank.)

Step 1
Pull the water tank out from the bottom using your hand.

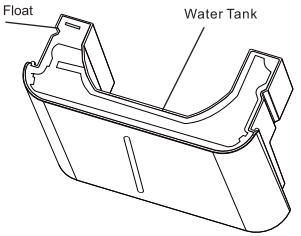


Step 2
Pour the water out through the holes on the side of the water tank lid.

Step 3
Place the water tank back into position. The full tank indicator will turn off once it is correctly reinstalled.



Note:
Float in the Water Tank:
Do not remove the float from the water tank. If the float is removed, the sensor may fail to detect the water level accurately, potentially causing water to overflow.
Cleaning the Water Tank:
1. If the water tank is dirty, use cold or warm water to clean it.
2. Avoid using detergent, steel wool, chemically treated dust cloths, gasoline, benzene, thinner, or other solvents to prevent damage or leakage.
Placing the Water Tank:
When replacing the water tank, press it firmly into position. Improper placement may affect sensor operation or compromise overflow protection.



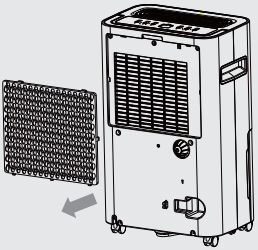
HOW TO CLEAN AND MAINTAIN

Warning:
1. Before cleaning, turn off the dehumidifier.
2. Unplug the unit from the wall outlet to ensure safety during cleaning.

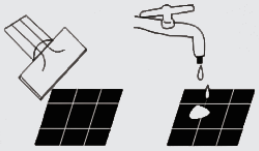
A: Cleaning the Dehumidifier Body
Use only a soft, slightly damp cloth or textile for cleaning purposes. Avoid abrasive materials or harsh chemicals.

B: Cleaning the Filter

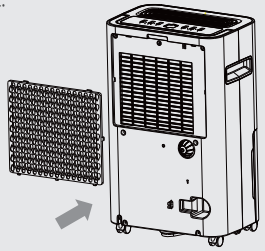
Step 1
Pull out the filter.



Step 2
Clean the filter:Use a vacuum cleaner to gently remove dust from the surface of the filter.
If the filter is very dirty, rinse it with warm water and a mild detergent. Allow it to dry completely before reinstalling.



Step 3
Slowly reinsert the filter back into the unit.

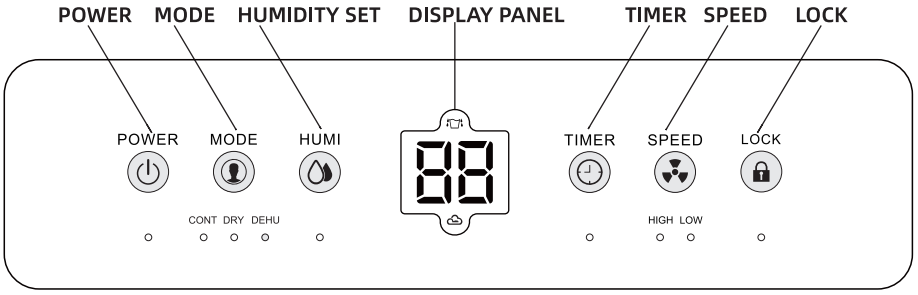


C: Storing the Dehumidifier
1. Empty the water tank.
2. Roll up the power cord and secure it with a tie to prevent tangling.
3. Clean the filter as described above.
4. Place the dehumidifier in a cool and dry environment for storage.

PROGRAM SETTINGS

SETTING	DESCRIPTION
Mode Setting	- Three modes are available: Dry Clothes Mode, Dehumidify Mode, and Continuous Dehumidify Mode. - Press the [Mode] button to cycle through the modes: drying, dehumidifying, and continuous dehumidifying. - Dry Clothes Mode: Humidity and fan speed cannot be adjusted. - Dehumidify Mode: Humidity and fan speed can be adjusted. - Continuous Dehumidify Mode: Humidity cannot be adjusted, but fan speed can.
Humidity Setting	- Humidity levels are adjustable from 30% RH to 80% RH in 5% increments. - Upon startup, the device automatically detects and displays room humidity. - In Dehumidify Mode, press the Dehumidify button to adjust the humidity in 5% increments. - The display flashes to indicate the setting mode and shows the selected humidity once set. If no operation occurs for 5 seconds, the display returns to showing the actual room humidity. - The dehumidifier starts or stops automatically based on the set humidity level. - At 30% RH, the dehumidifier operates in continuous dehumidifying mode.
Timer Setting	- Allows setting a timer for automatic machine operation. - Press the [TIMER] button to set a timer in 1-hour increments, up to 24 hours. The timer countdown starts upon activation. - Press and hold the [TIMER] button for faster timer selection. - Invalid Time: If the timer is set to "00," it is considered invalid. - Upon successful timer setting, the "o" indicator light illuminates. The LED screen displays the set time for several seconds before showing the current humidity.
Lock	-Press and hold the [LOCK] button for 3 seconds while the unit is turned on to lock the control panel and buttons. -Repeat the process to unlock the control panel.
Speed Button	Controls fan speed, offering High or Low options: High: Enhances moisture removal and is ideal for maximum dehumidification. Low: Provides quieter operation once the desired humidity level is reached.
Power -Off Memory Function	Upon powering on, the device automatically restores its previous working state. In case of a power interruption: - If the device was ON, the parameters and settings are retained when power resumes. - If the device was OFF, it remains off when power resumes.
Overflow Protection	- Automatically shuts off the machine when the water bucket is full. - The "!" indicator light flashes, and the buzzer alarms briefly. - After emptying the water bucket, the indicator light turns off, and the machine resumes operation.
Auto Defrost Function	- The system automatically detects frost when operating at lower temperatures. - If frost is detected, the machine initiates an automatic defrosting process: Defrost Action: The compressor stops, and the fan operates at high speed to aid in defrosting. Defrost Status Display: During defrosting, the "o" power button flashes to indicate the process.

STATUS DESCRIPTIONS DISPLAY



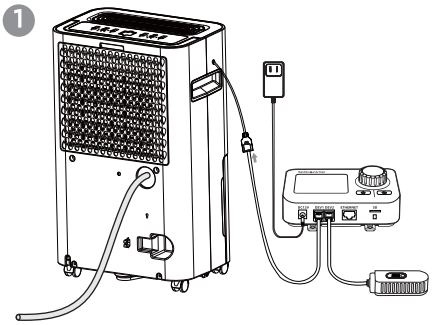
STATUS DESCRIPTION	INDICATOR	DESCRIPTION
Power	"POWER" Button	Lights up when the device is in standby (power off) status.
Timer	Timer Indicator ("o")	Lights up when the timer is properly set; turns off when the timer is not set.
Lighting	Lighting Button ("o")	Lights up when the light function is activated; turns off when not in use.
High-speed	High-Speed Indicator ("o")	Lights up when the unit is set to high-speed fan mode.
Low-speed	Low-Speed Indicator ("o")	Lights up when the unit is set to low-speed fan mode.
Dry Mode	Dry Mode Indicator ("o")	Lights up when Dry Clothes Mode is selected; turns off otherwise.
Dehumidify Mode	Dehu Mode Indicator ("o")	Lights up when the unit is set to dehumidifiy mode; turns off otherwise.
Continuous Dehumidification Mode	Con Mode Indicator ("o")	Lights up when Continuous Dehumidification Mode is selected; turns off otherwise.
Water Full	Water Full Light Indicator (" ")	Flashes when the water tank or bucket is full.
Working Data Display	88	Displays the humidity value when the device is operating.

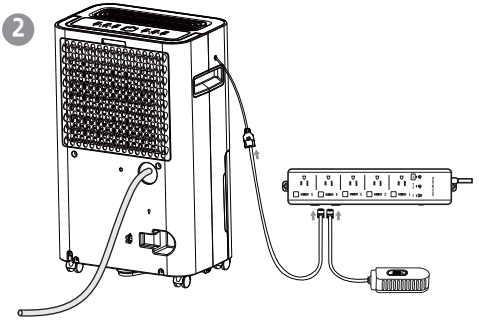
TROUBLESHOOTING

NOTE:Before starting the machine, ensure the air outlet is open to prevent overheating. Do not unplug the power cord directly to stop the machine.
Refer to the information below for troubleshooting steps to quickly resolve potential issues with the unit. This list includes the most common problems that are not due to defects in the unit, craftsmanship, or materials. If you've exhausted all troubleshooting steps and the issue persists, please contact Spider Farmer Customer Service for further assistance.

FAULT	POSSIBLE CAUSE	SOLUTION
Humidity Shows "25%RH"	Humidity sensor failure.	Set the humidity to 30%RH. Repair or replace the humidity sensor.
Humidity Shows "99%RH"	Water on the surface of the humidity sensor. Possible humidity sensor failure.	Remove water from the humidity sensor. Repair or replace the humidity sensor.
Dehumidifier Does Not Work	Power Cord Unplugged	Ensure the unit's plug is properly inserted into the power outlet.
	Full Tank Indicator Blinking	Empty the water tank and reposition it correctly.
	Room Temperature Out of Range	Ensure the room temperature is within the specified range (41°F/5°C to 68°F/20°C). - At lower ambient temperatures, the machine will defrost automatically. Wait until the process finishes, and the unit will resume dehumidifying.
	Defrosting Process Active	It is normal for the compressor to stop during defrosting. Wait for the process to complete, and the dehumidifier will restart.
	Room Humidity at Preset Level	Adjust the humidity setting to 5% lower than the room humidity or set it to 30%RH. Once the room humidity matches the preset level, the dehumidifier enters Standby Mode.
	Prevention of Frequent Start Function	If the machine just stopped, wait at least 3 minutes before restarting.
	Low Room Humidity	The dehumidifier is designed to work in a humidity range of 30%-80%.
Dehumidifier Does Not Dry the Air	Dirty Air Filter	Clean the air filter.
	Obstructed Air Inlet or Outlet	Remove any obstruction.
	Dehumidifier Size Too Small	Use additional dehumidifiers or upgrade to a higher-capacity unit.
	Poor Air Circulation	Ensure at least 7.9 inches (20 cm) of space around the unit for proper airflow.
	Insufficient Time to Remove Moisture	Allow the unit at least 3-4 days to maintain the desired relative humidity (RH), especially when first installed.
	Improperly Sealed Room	Ensure all doors, windows, and openings are securely closed.
	Clogged Air Filter	Wash and clean the filter.
	Low Room Temperature (Below 41°F/5°C)	Wait until the temperature rises above 5°C for optimal operation.
Loud Noise During Operation	Unit Not Positioned Level	Move the dehumidifier to a flat, horizontal surface.
	Blocked Air Inlet or Outlet	Clear any obstructions.
	Clogged Air Filter	Ensure the air filter is clean and correctly installed.
	Improper Filter Installation	Remove the filter's packaging and ensure it is installed correctly.
Continuous Operation	Set to Continuous Mode	Avoid setting the humidity too low. A range of 40%-50% is typically sufficient.
	High Room Humidity	Adjust the humidity settings or switch to a higher-capacity dehumidifier.
	Open Grow Tent Doors or Windows	Ensure all openings are securely closed.
Water Overflow on the Floor	Stuck Float in Water Tank	Adjust the float to allow free movement.
	Dislodged Magnet on Float	Reposition the magnet correctly.
	Loose Hose Connection	Tighten the hose connection at the drain outlet.
	Improper Water Tank Installation	Reinstall the water tank securely.

DEHUMIDIFIER AND SMART CONTROL SYSTEM INTEGRATION





1 HOW TO USE WITH GGS CONTROLLER KITS

1. Connect the dehumidifier to the DEV1 or DEV2 port of the GGS Smart Controller using an RJ12 cable. Once successfully connected, you can control the fan speed and running time of the dehumidifier through the GGS Controller.
2. Switch the GGS Controller to the equipment control interface.
3. Locate the dehumidifier and click the knob to enter its control interface.

Available Modes:
Manual Mode
Time Period Mode
Cycle Mode
Environment Mode (Humidity Mode)

Note: Once the dehumidifier is controlled by the GGS Controller, pressing buttons on the dehumidifier itself will be disabled, except for waking up the indicator and screen. The cloud icon on the display will light up.

2 HOW TO USE WITH POWER STRIP KITS (AC5/AC10)

1. Connect the dehumidifier to the DEVICE port of the Power Strip using an RJ12 cable. Once successfully connected, you can control the fan speed and running time of the dehumidifier through the Spider Farmer APP.

Available Modes:
Manual Mode
Time Period Mode
Cyclic Mode
Ambient Mode (Humidity Mode)

SPIDER FARMER APP

Android

IOS

YOUR RELIABLE INDOOR GROW PARTNER

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