

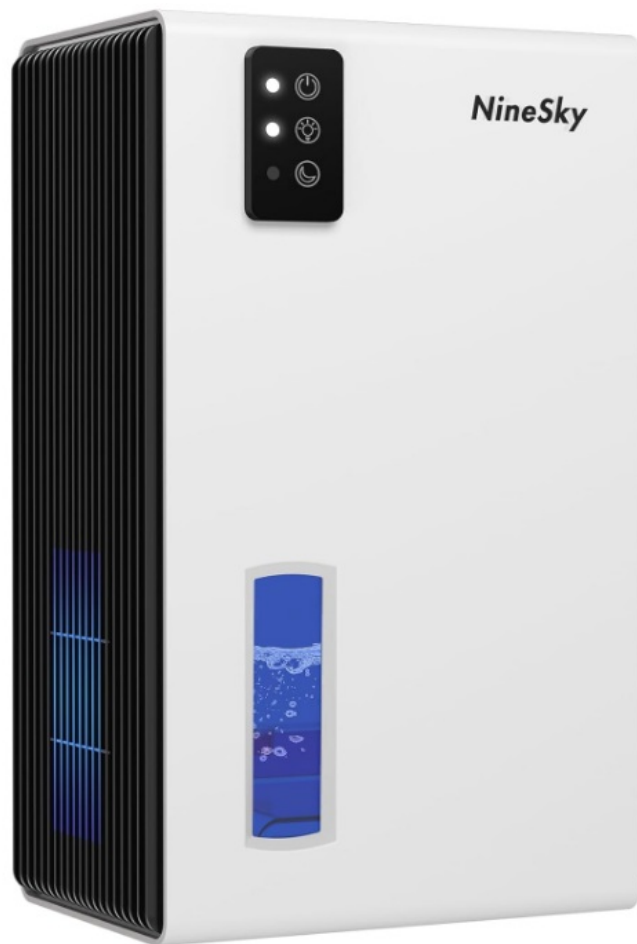


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NineSky

NineSky CT2 High-Performance Dehumidifier



Technical Specifications

Specification	Details
Moisture Removal Capacity	50 pints per day (at 80°F, 60% RH)
Coverage Area	Up to 4,500 square feet
Water Tank Capacity	1.8 gallons (6.8 liters)
Operating Temperature Range	41°F – 95°F (5°C – 35°C)
Operating Humidity Range	35% – 85% RH
Power Consumption	590 watts
Electrical Requirements	115V, 60Hz, 6.5A
Refrigerant Type	R-410A
Noise Level	≤ 48 dB

Dimensions (W×D×H)	15.4" × 11.1" × 24.3"
Weight	41.9 lbs (19 kg)

Safety Instructions

IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before operating your NineSky dehumidifier. Keep this manual for future reference.

Before You Begin

- Ensure the unit is unplugged before cleaning or performing maintenance
- Do not operate the unit with a damaged power cord or plug
- Keep the unit away from heat sources and direct sunlight
- Do not use the unit in temperatures below 41°F (5°C) or above 95°F (35°C)
- Ensure adequate ventilation around the unit (minimum 12 inches on all sides). Do not block air intake or exhaust vents
- Keep the unit level during operation
- Do not insert objects into the unit

Electrical Safety

- Use only a grounded electrical outlet
- Do not use extension cords
- Ensure the electrical supply matches the unit's requirements. Unplug the unit during electrical storage.
- If the unit gets wet, unplug immediately and contact customer service

Product Overview

What's Included

- NineSky Dehumidifier Unit
- Removable Water Tank
- Drainage Hose (6 feet)

- User Manual
- Warranty Card

Key Features

- Energy-efficient compressor technology
- Digital humidity control with LED display
- Auto-shutoff when tank is full
- Continuous drainage option on the Washable air filter
- Timer function (1-24 hours)
- Low-noise operation
- Automatic defrost function

Control Panel Components

- **Power Button:** Turns unit on/off
- **Humidity Setting:** Adjusts target humidity (30-80%)
- **Timer Button:** Sets auto-shutoff timer
- **Fan Speed:** Adjusts fan speed (Low/High)
- **LED Display:** Shows current humidity and settings
- **Filter Indicator:** Alerts when the filter needs cleaning
- **Tank Full Indicator:** Lights when the tank needs emptying

Installation Guide

Unpacking Your Dehumidifier

1. Carefully remove the unit from the packaging
2. Remove all protective materials and tape
3. Check for any visible damage during shipping
4. Ensure all components are included
5. Keep packaging materials until you confirm the unit works properly

Choosing the Right Location

- Place on a flat, stable surface
- Ensure a minimum of 12 inches of clearance on all sides
- Keep away from heat sources and direct sunlight. Ensure easy access to a power outlet.
- Position for easy water tank removal
- Avoid areas with excessive dust or debris

Initial Setup

1. Allow the unit to sit upright for at least 2 hours before first use
2. Remove the water tank and wash with warm, soapy water
3. Dry the tank completely before reinstalling
4. Install the washable air filter
5. Plug the unit into a grounded electrical outlet

Note: If you plan to use continuous drainage, connect the drainage hose to the rear drain port before positioning the unit.

Operation Instructions

First Time Operation

1. Press the Power button to turn on the unit
2. The LED display will show the current room humidity
3. Set your desired humidity level using the Humidity buttons
4. Select fan speed (Low for quiet operation, High for faster dehumidification)
5. The unit will automatically start when the room humidity exceeds the set level

Setting Target Humidity

- **Recommended Settings:**
 - Basements: 50-60% RH
 - Living areas: 40-50% RH
 - Storage areas: 40-50% RH
 - Laundry rooms: 50-60% RH

- Use the up/down arrows to adjust humidity in 5% increments
- The unit will cycle on/off to maintain the set humidity level

Timer Function

1. Press the Timer button to activate
2. Use the up/down arrows to set hours (1-24)
3. The unit will automatically shut off after the set time
4. Press Timer again to cancel the timer function

Water Removal Options

Option 1: Water Tank

- The unit will automatically shut off when the tank is full
- The “Tank Full” indicator will light up
- Remove the tank by pulling it straight out
- Empty the water and reinstall the tank
- Press Power to resume operation

Option 2: Continuous Drainage

- Connect the provided drain hose to the rear drain port
- Route the hose to a floor drain or sink
- Ensure the drain end is lower than the unit
- Remove the water tank or leave it in place as backup

Maintenance & Care

Regular Maintenance Schedule

Weekly

- Empty and clean the water tank
- Check and clean the air filter if needed
- Wipe down the exterior with a damp cloth

Monthly

- Deep clean the water tank with mild detergent
- Clean the air intake and exhaust vents
- Check the drainage hose for blockages (if used)

Seasonally

- Vacuum the coils and internal components
- Inspect the power cord for damage
- Check all connections and fittings

Cleaning Instructions

Water Tank

1. Remove the tank from the unit
2. Wash with warm water and mild detergent
3. For deeper cleaning, use a solution of 1 tsp bleach per gallon of water
4. Rinse thoroughly and dry completely
5. Reinstall, ensuring proper alignment

Air Filter

1. Remove the filter from the front panel
2. Vacuum off loose debris
3. Wash with warm water and mild detergent
4. Allow to air dry completely before reinstalling
5. Replace the filter every 12 months or as needed

Warning: Always unplug the unit before cleaning. Never immerse the unit in water or use harsh chemicals.

Troubleshooting

Common Issues and Solutions

Unit Won't Start

- Check that the unit is plugged in securely
- Ensure the power outlet is working
- Verify the water tank is properly installed
- Check that the filter is installed correctly
- Make sure the room temperature is within the operating range

Not Removing Enough Moisture

- Check that doors and windows are closed
- Clean or replace the air filter
- Ensure adequate airflow around the unit
- Verify the humidity setting is appropriate
- Check for air leaks in the room

Unit Cycles On and Off Frequently

- This is normal operation when the target humidity is reached
- Check that the humidity sensor isn't blocked
- Ensure the unit isn't near heat sources
- Verify the room size is within the unit's capacity

Unusual Noise

- Ensure the unit is level and stable
- Check that nothing is blocking the fan
- Clean the air filter
- Verify all panels are securely attached

Ice Formation

- Check that the room temperature is above 65°F (18°C)
- Clean the air filter
- Ensure adequate airflow around the unit

- The unit has an automatic defrost – allow it to complete the cycle

Water Leakage

- Check that the water tank is properly seated
- Inspect the tank for cracks or damage
- Ensure the drainage hose is properly connected (if used)
- Verify the unit is level

Error Codes

Error Code	Meaning	Solution
E1	Temperature sensor error	Unplug for 30 minutes, then restart. Contact the service if the problem persists.
E2	Humidity sensor error	Check for blockages around the sensor. Contact the service if needed.
E3	Tank not detected	Ensure the water tank is properly installed and seated.
E4	System error	Unplug the unit for 1 hour, then restart. Contact the service if the problem continues.

Warranty Information

Limited Warranty Coverage

NineSky provides a comprehensive warranty for your dehumidifier:

- **Parts & Labor:** 2 years from date of purchase
- **Compressor:** 5 years from date of purchase
- **Coverage:** Manufacturing defects and component failures under normal use

What's Not Covered

- Damage due to misuse, abuse, or negligence
- Damage from power surges or electrical issues
- Normal wear and tear items (filters, etc.) Damage from freezing or extreme temperatures
- Units with removed or altered serial numbers
- Damage from unauthorized repairs

Important: Keep your original purchase receipt as proof of purchase date. Register your product online at <https://theninesky.com/within> 30 days of purchase for full warranty coverage.

Warranty Service

To obtain warranty service:

1. Contact NineSky customer service
2. Provide your model number, serial number, and purchase date
3. Describe the problem you're experiencing
4. Follow the technician's troubleshooting guidance
5. If repair is needed, service will be arranged

Contact Information

NineSky Customer Support

Technical Support

- **Phone:** 1-800-NINESKY (1-[800-646-3759](tel:800-646-3759))
- **Hours:** Monday – Friday, 8:00 AM – 6:00 PM EST
- **Email:** support@theninesky.com

Warranty & Parts

- Phone: 1-800-NINESKY (1-[800-646-3759](tel:800-646-3759))
- Email: warranty@theninesky.com

Online Resources

- **Website:** <https://theninesky.com/>
- **Support Portal:** <https://theninesky.com/support>
- **Product Registration:** <https://theninesky.com/register>

Social Media

- Facebook: @NineSkyOfficial
- Twitter: @NineSky
- Instagram: @ninesky_official

Before Calling: Have your model number, serial number, and purchase date ready. Try the troubleshooting steps in this manual first.

- NineSky Dehumidifier User Manual
- Model: NS-DH50 | Version 2.1 | © 2025 NineSky Corporation
- Downloaded from <https://theninesky.com/>
- Specifications subject to change without notice.
- For the most current information, visit <https://theninesky.com/>

FREQUENTLY ASKED QUESTIONS

How many operating modes does the NineSky CT2 High-Performance Dehumidifier have?

The NineSky CT2 High-Performance Dehumidifier has two modes: High Speed for rapid dehumidification and Night Mode for quiet, light-free operation during sleep.

What should I do if the NineSky CT2 High-Performance Dehumidifier does not start?

Ensure the water tank is properly positioned, check that the unit is plugged in, and verify that the power outlet is working. If it still doesn't start, try resetting the device.

What should I do if the NineSky CT2 High-Performance Dehumidifier stops mid-operation?

Check if the water tank is full or incorrectly placed, as the automatic shutoff will trigger. Empty and correctly reinstall the tank to resume operation.

What is the dehumidification capacity of the NineSky CT2 High-Performance Dehumidifier?

The NineSky CT2 High-Performance Dehumidifier can remove up to 1 liter of moisture per day, keeping indoor air comfortable and dry.

What should I do if the LED lights on the NineSky CT2 High-Performance Dehumidifier are not working?

Ensure the device is powered on and the LED mode is selected. If the lights still do not function, unplug the unit, wait a few minutes, then restart. Contact NineSky support if the issue persists.

What should I do if the NineSky CT2 High-Performance Dehumidifier produces insufficient dehumidification?

Verify that the room is within the 1000 sq.ft. coverage area, ensure doors and windows are closed, and clean the unit as needed. Using High Speed mode may improve performance.

What makes the NineSky CT2 High-Performance Dehumidifier ideal for home use?

The NineSky CT2 High-Performance Dehumidifier uses semiconductor condensation technology with quiet operation, efficiently removing moisture from areas up to 1000 sq.ft. for comfortable residential living.



VIDEO – PRODUCT OVERVIEW

<https://manuals.plus/wp-content/uploads/2025/08/NineSky-CT2-High-Performance-Dehumidifier-Operating-Manual.mp4>

DOWNLOAD THE PDF LINK: [NineSky CT2 High-Performance Dehumidifier Operating Manual](#)

References

- [User Manual](#)

 B0B1TMX3B6, CT2, High-Performance Dehumidifier, NineSky, NineSky CT2, Operating
 NineSky Manual

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