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North Spore BUNDLE-TECH

North Spore Boomr Bin Monotub Automated Tech Kit Instruction Manual

Brand: North Spore | **Model:** BUNDLE-TECH

1. PRODUCT OVERVIEW

The North Spore Boomr Bin Monotub Automated Tech Kit is designed to upgrade your existing Boomr Bin Monotub, providing enhanced control over humidity, CO2 levels, and fresh air exchange for optimal mushroom cultivation. This kit includes essential components for automation, making the growing process more efficient and less labor-intensive.

The kit features a fresh air fan with a removable, washable screen for spore filtration, a humidifier with a hose, a monotub hose connector, and a humidity controller with a sensor. These additions allow for precise environmental management within your monotub.



Image 1.1: All components of the North Spore Boomr Bin Automated Tech Kit, including the humidifier, FAE fan, and humidity controller.

2. SETUP GUIDE

Follow these steps to properly set up your North Spore Boomr Bin Automated Tech Kit:

- 1. Clean all components:** Before assembly, spray and wipe down all components with 70% isopropyl alcohol to ensure a sterile environment.
- 2. Install the Fresh Air Exchange (FAE) Fan:**
 - Insert all four screws into the FAE Fan Mini.
 - Add the mesh filter to the fan.
 - Position the fan on one end of your monotub, aligning it with the pre-drilled holes. Secure it in place with the provided nuts.
 - Add the rubber ring to one of the small openings on the monotub lid, which will be used for the humidifier hose.



Image 2.1: Close-up view of the FAE Fan Mini.



Image 2.2: Connecting the humidifier hose to the monotub.

3. Place the Humidity Sensor:

- Locate one of the large filter holes on the opposite end of the monotub lid from the fan.
- Cut a small slit (approximately one inch) into the 2-inch filter.
- Slide the cord of the MYCOnroller Humidity Controller probe (the gray humidity sensor) through this slit.
- Adhere the filter to the hole, ensuring the sensor is inside the monotub.

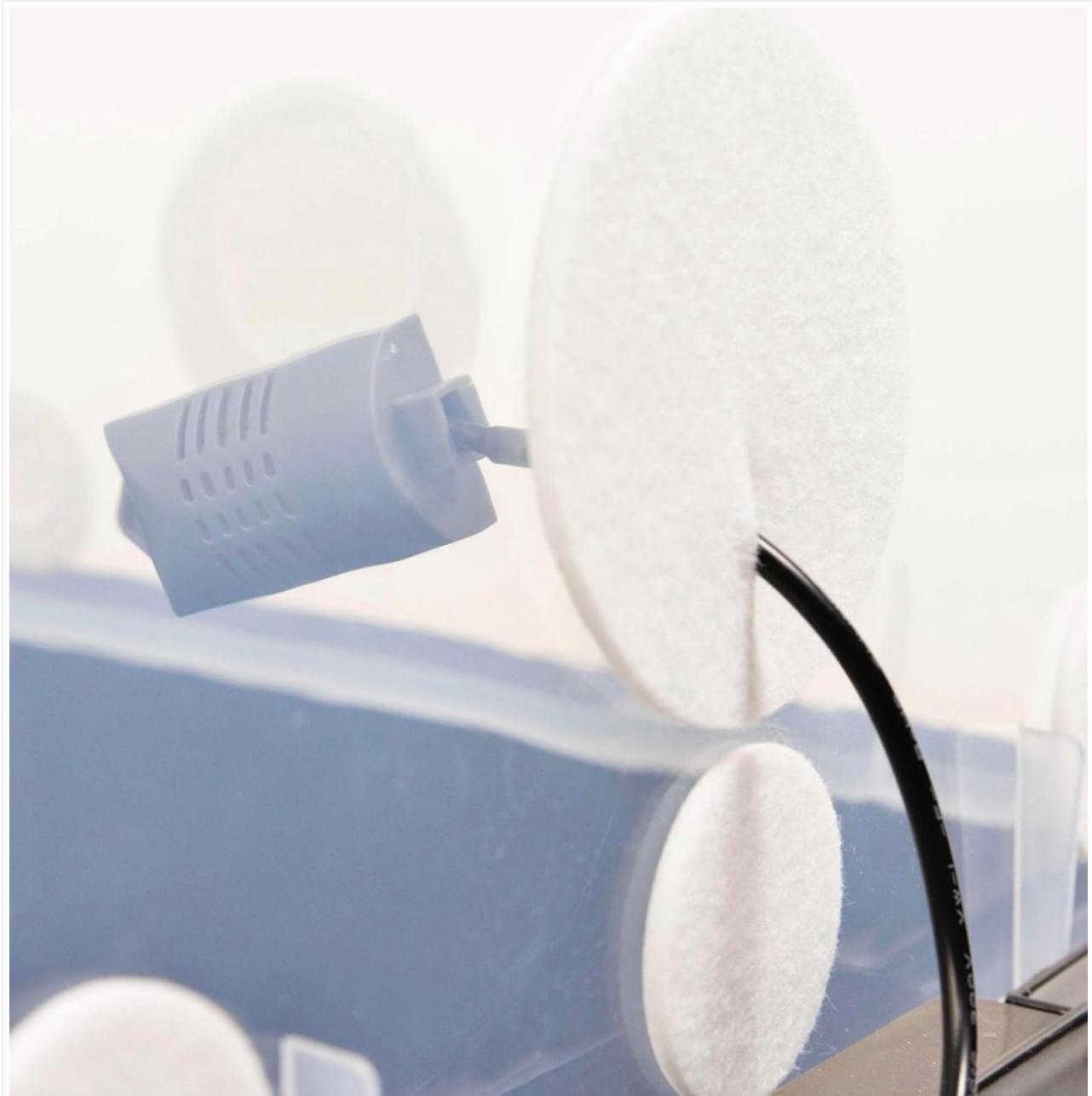


Image 2.3: The gray humidity sensor being inserted into a filter on the monotub.

4. Prepare the Humidifier:

- Fill the Myco-Mister Mini Humidifier with distilled water. While tap water can be used, distilled water is recommended to prevent mineral buildup.
- Plug the humidifier into the MYCOntroller Humidity Controller.



Image 2.4: The Myco-Mister Mini Humidifier.

5. Connect Hoses and Power:

- Connect the humidifier hose to the monotub connector and the top of the humidifier.
- Plug in the FAE Fan Mini and the MYCOnroller Humidity Controller into separate power outlets. Note that two power outlets are required for the full setup.



Image 2.5: The complete setup with the monotub, humidifier, FAE fan, and humidity controller connected.

6. Program the Humidity Controller:

- To set the lower humidity threshold, hold down the first arrow button on the MYCOnroller until the display begins flashing. Use the arrow buttons to adjust the value to 80 (for 80% humidity). Wait for it to stop flashing to lock in the setting.
- To set the upper humidity threshold, hold down the second arrow button until the display flashes. Set this value to 85 (for 85% humidity).
- This programming ensures that the humidifier will turn on when humidity drops below 80% and turn off when it reaches 85%, maintaining an optimal range.



Image 2.6: The MYCOnroller Humidity Controller.

3. OPERATING INSTRUCTIONS

Once your kit is set up, you can begin the cultivation process:

1. **Turn on the FAE Fan:** Adjust the FAE Fan Mini to your desired speed. This fan facilitates fresh air exchange, which is crucial for mushroom growth and CO2 regulation.
2. **Add Fruiting Blocks:** Carefully place your fully colonized fruiting blocks into the Boomr Bin Monotub. The monotub can typically hold 2 to 3 fruiting blocks. Alternatively, you can mix your own substrate directly within the tub.
3. **Monitor and Optimize:** The automated system will maintain the set humidity levels. Regularly observe your mushrooms and adjust fan speed or humidity settings as needed to optimize conditions for your specific species.

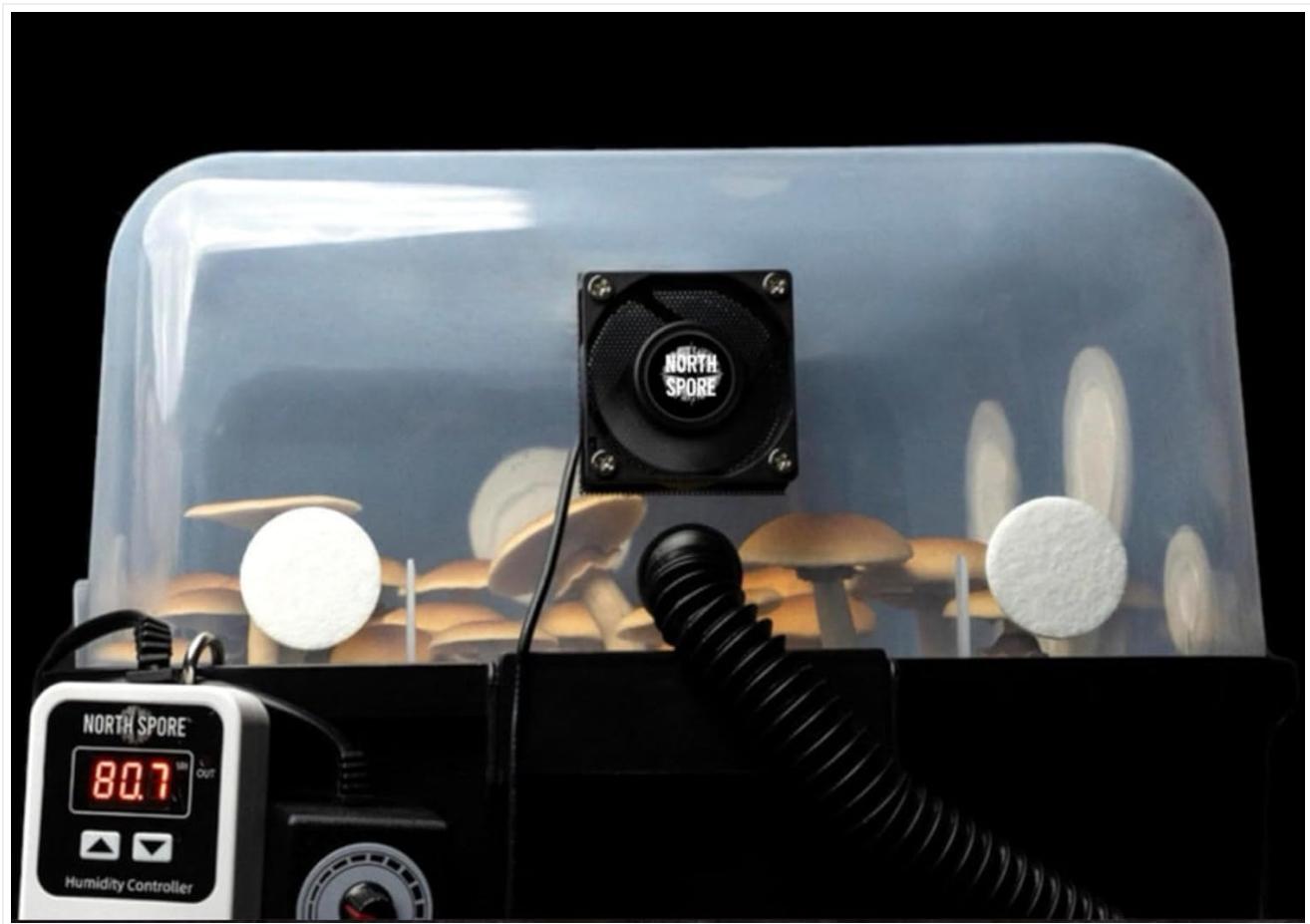


Image 3.1: Mushrooms growing inside the Boomr Bin Monotub with the automated tech kit.

4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your kit:

- **Humidifier Water Refill:** Regularly check the water level in the Myco-Mister Mini Humidifier and refill with distilled water as needed.
- **Fan Filter Cleaning:** The FAE fan includes a removable, washable screen. Periodically remove and clean this filter to ensure proper air circulation and spore filtration.
- **General Cleaning:** After each grow cycle, or as needed, clean the monotub and all components with 70% isopropyl alcohol to prevent contamination.

5. TROUBLESHOOTING

If you encounter issues with your kit, consider the following common solutions:

- **Humidity not stable:**
 - Ensure the humidifier has sufficient distilled water.
 - Verify the humidity controller settings are correct (e.g., 80% lower, 85% upper).
 - Check that the humidity sensor is properly placed inside the monotub and not obstructed.
 - Ensure all connections (humidifier hose, power) are secure.
- **Fan not operating:**
 - Check if the FAE Fan Mini is properly plugged into a working power outlet.
 - Ensure the power control knob on the fan is turned on and set to a desired speed.
 - Inspect the fan for any physical obstructions.
- **Excessive condensation:**
 - Increase the fan speed to improve air circulation and reduce condensation.
 - Slightly lower the upper humidity threshold on the controller if persistent.

6. SPECIFICATIONS

Brand	North Spore
Model Number	BUNDLE-TECH
Special Feature	Humidistat, Portable
Color	Black/Clear
Filter Type	Screen/Mesh
Item Weight	5 pounds
Product Dimensions (LxWxH)	20 x 12 x 7 inches
UPC	810107471586

7. WARRANTY AND SUPPORT

For product support, inquiries, or to address any issues not covered in this manual, please contact North Spore Mushroom Company directly through their Amazon store or official website.

Extended protection plans are available for this product, offering additional coverage beyond the standard manufacturer's warranty. These plans include:

- 3-Year Protection Plan
- 4-Year Protection Plan
- Complete Protect (monthly subscription)

Please refer to the specific terms and conditions of each protection plan for full details on coverage and claims.

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Related Documents - BUNDLE-TECH

	<p><u>North Spore Mushroom Grow Kit Instructions and Recipe</u></p> <p>Comprehensive guide to using North Spore's Spray & Grow mushroom kits, including activation, care, harvesting, troubleshooting, and a simple sautéed mushroom recipe. Learn to grow edible mushrooms at home.</p>
	<p><u>North Spore Spray & Grow Kit: Cultivation and Recipe Guide</u></p> <p>Learn how to easily grow your own gourmet mushrooms with the North Spore Spray & Grow Kit. This guide provides step-by-step instructions for activation, upkeep, harvesting, and troubleshooting, along with a simple sautéed mushroom recipe and tips for outdoor cultivation.</p>
	<p><u>North Spore Myco-Mister Ultrasonic Humidifier Manual - Operation, Safety, and Maintenance</u></p> <p>Comprehensive user manual for the North Spore Myco-Mister Ultrasonic Humidifier (Model HTJ-2295B). Learn about its components, operation, safety precautions, troubleshooting, specifications, and maintenance for optimal performance in mushroom cultivation environments.</p>