

North Spore BUNDLE-BINTECH

North Spore Automated 'Boomr Bin' Mushroom Monotub Kit User Manual

Model: BUNDLE-BINTECH

INTRODUCTION

Thank you for choosing the North Spore Automated 'Boomr Bin' Mushroom Monotub Kit. This comprehensive system is designed to simplify the mushroom cultivation process by providing an automated environment for optimal growth. Please read this manual thoroughly before setup and operation to ensure proper use and maximize the performance of your kit.



Figure 1: Overview of the North Spore Automated 'Boomr Bin' Mushroom Monotub Kit, showing the monotub, FAE Fan Mini, Myco-Mister Mini humidifier, Monotub hose connector, Mycontroller humidity controller, and sheets of 1" and 2" monotub filters.

Kit Contents

Verify that all components listed below are present in your kit:

- (1) Boomr Bin monotub
- (1) FAE Fan Mini with power control
- (1) Myco-Mister Mini humidifier with hose
- (1) Monotub hose connector
- (1) Mycontroller humidity controller (hygrometer)
- (1) Sheet of 1" monotub filters
- (1) Sheet of 2" monotub filters



Figure 2: The Myco-Mister Mini humidifier, Mycontroller humidity controller, and FAE Fan Mini, which are key automated components of the kit.

SETUP INSTRUCTIONS

1. **Prepare the Monotub:** Ensure the Boomr Bin monotub is clean and free of debris. The black base is designed to block light, aiding in colonization and preventing side pinning.
2. **Apply Filters:** Attach the provided 1" and 2" monotub filters to the designated holes on the clear lid. These filters allow for gas exchange while maintaining a sterile environment.



Figure 3: Close-up of the monotub lid showing the circular filter patches applied over the air exchange holes.

3. **Install FAE Fan Mini:** Secure the FAE Fan Mini to the designated opening on the monotub lid. Connect its power control. This fan facilitates fresh air exchange (FAE).



Figure 4: The FAE Fan Mini mounted on the monotub lid, responsible for circulating fresh air within the growing environment.

4. **Connect Myco-Mister Mini:** Fill the Myco-Mister Mini humidifier with distilled water. Attach the hose to the humidifier and connect the other end to the monotub hose connector, ensuring a secure fit. Position the humidifier lower than the tub to prevent water dripping into the substrate.
5. **Set up Mycontroller Humidity Controller:** Plug the Myco-Mister Mini humidifier into the Mycontroller humidity controller. Insert the humidity sensor probe into the monotub through a small opening or a dedicated port, ensuring it is suspended above the substrate.



Figure 5: The humidity sensor probe positioned inside the monotub, providing real-time humidity readings to the Mycontroller.

6. **Add Substrate:** Once the hardware is set up, carefully add your prepared mushroom substrate to the Boomr Bin. The bin's compact and durable design can hold up to 25 pounds of substrate.



Figure 6: A view of the prepared substrate within the black base of the Boomr Bin, ready for inoculation.

7. **Secure Lid:** Place the lid firmly onto the monotub. The extra-large latches with recessed grips will secure the lid, preventing it from popping off during transport or handling.

OPERATING INSTRUCTIONS

Humidity Control with Mycontroller

The Mycontroller humidity controller allows you to set and maintain optimal humidity levels within the monotub.

1. **Power On:** Plug the Mycontroller into a power outlet. The current humidity reading will be displayed.
2. **Set Desired Humidity:** Refer to the Mycontroller's specific instructions for setting the desired humidity percentage. The humidifier will activate automatically when the humidity drops below your set point and deactivate when it reaches the target.
3. **Monitor:** Regularly check the Mycontroller display to ensure humidity levels are stable.

Fresh Air Exchange (FAE) with FAE Fan Mini

Proper FAE is crucial for mushroom development. The FAE Fan Mini provides controlled air circulation.

1. **Power On:** Connect the FAE Fan Mini to its power source.
2. **Adjust Fan Speed/Timer:** Use the power control to adjust the fan speed or set a timer for intermittent operation, depending on your cultivation needs. Consult mushroom-specific cultivation guides for optimal FAE schedules.



Figure 7: The Automated Boomr Bin in active use, demonstrating the humidifier hose and humidity controller connected, with mushrooms fruiting inside.

MAINTENANCE

- **Humidifier Water Refill:** Regularly check the water level in the Myco-Mister Mini humidifier and refill with distilled water as needed.
- **Cleaning:** After each cultivation cycle, thoroughly clean the Boomr Bin, lid, and all components. The large rounded corners of the bin facilitate easy cleaning. Use a mild, non-abrasive disinfectant suitable for cultivation equipment.
- **Filter Replacement:** Replace the monotub filters as necessary, especially if they become clogged or damaged, to ensure proper air exchange.
- **Component Inspection:** Periodically inspect all electrical components (FAE Fan Mini, Myco-Mister Mini,

Mycontroller) for any signs of wear or damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Humidity not reaching set point	Humidifier out of water; hose kinked or disconnected; Mycontroller sensor faulty; humidifier malfunction.	Refill humidifier; check hose connections; verify Mycontroller sensor placement and function; test humidifier independently.
Excessive humidity/condensation	FAE Fan Mini not operating; FAE filters blocked; humidity set point too high.	Ensure FAE Fan Mini is powered and operating; check and replace filters if necessary; lower humidity set point on Mycontroller.
Fan not running	Power cable disconnected; fan malfunction.	Check power connections; test fan with a different power source if possible.
Substrate drying out	Humidity too low; excessive FAE.	Increase humidity set point; reduce FAE fan operation time or speed.

SPECIFICATIONS

- **Product Dimensions:** 22 x 15 x 11 inches
- **Item Weight:** 11 pounds
- **Manufacturer:** North Spore
- **Model Number:** BUNDLE-BINTECH
- **Monotub Capacity:** Up to 25 pounds of substrate
- **Features:** Recessed base for stacking, extra-large latches, large rounded corners for cleaning, black light-blocking base.

WARRANTY AND SUPPORT

For warranty information and technical support, please contact North Spore directly through their official website or the contact information provided with your purchase. Keep your proof of purchase for any warranty claims.



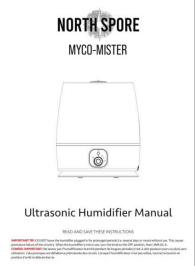


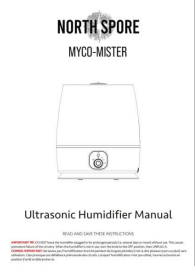
North Spore Mushroom Company

Seller ID: A2TRRHGHB7V044

For additional resources and cultivation tips, visit the[North Spore Store on Amazon](#).

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