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› Creality Filament Dryer Box 2.0 Instruction Manual

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Model: Filament Dryer Box 2.0

1. PRODUCT OVERVIEW

The Creality Filament Dryer Box 2.0 is designed to effectively dry 3D printer filaments, removing moisture to improve print quality and prevent common issues such as stringing, clogging, and poor adhesion. It features a 360° hot-air circulation system, adjustable temperature and time settings, and real-time monitoring of humidity and temperature.



Image 1: Creality Filament Dryer Box 2.0

2. SETUP INSTRUCTIONS

Follow these steps to set up your Creality Filament Dryer Box 2.0 for first use:

1. **Load the Filament:** Open the top cover of the dryer box and place your filament spool inside. Ensure the spool fits securely on the internal rollers.
2. **Route the Filament:** Close the top cover. Guide the filament end through the designated hole on the top cover.
3. **Connect Power:** Plug the power cord into the dryer box and then into a suitable power outlet.
4. **Power On:** Locate the power switch, typically on the back or side, and turn the unit on.

Easy to Use

1



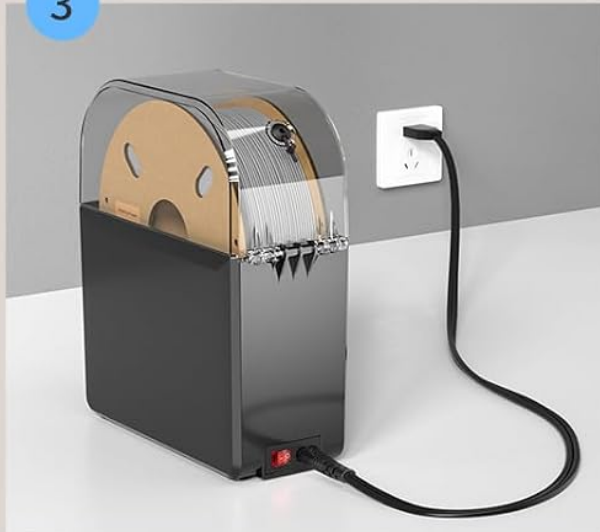
Load the filament

2



Pass the filament through a hole and cover the lid

3



Connect to a power supply

4



Power on and set the appropriate temperature&time

Image 2: Easy Setup Steps

3. OPERATING INSTRUCTIONS

3.1 Temperature and Time Settings

The dryer box allows for customizable drying parameters:

- **Adjustable Temperature:** Set the temperature between 45°C and 65°C. This range accommodates various filament types.
- **Adjustable Timer:** Set the drying duration from 0 to 24 hours.

Use the control knob on the front panel to navigate and adjust these settings. The display will show the current temperature, humidity, and remaining drying time.

Adjustable Temperature Range

The heating temperature range is 45°C-65°C, suitable for multiple filaments such as PLA, ABS, ASA, PETG, TPU, PP, PC, PA, etc.



Recommended drying temperature for consumables

PLA	50°C	≥4h	ASA	60°C	≥4h
TPU	55 °C	≥4h	PETG	65°C	≥2h
PP	55°C	≥6h	PC	65°C	≥8h
ABS	60°C	≥2h	PA	65°C	≥12h

Image 3: Adjustable Temperature Range and Recommended Settings

3.2 Real-Time Monitoring

The integrated display provides real-time updates on the internal temperature, humidity, and a countdown timer for the drying process. This allows you to monitor the drying conditions effectively.

Real-time Monitoring

Real-time humidity monitoring and drying hours are displayed via a countdown timer, allowing you to track drying conditions.



Image 4: Real-Time Monitoring Display

3.3 Filament Compatibility

The dryer box is compatible with various filament types and diameters:

- **Filament Types:** PLA, ABS, ASA, PETG, TPU, PP, PC, PA, etc.
- **Filament Diameters:** 1.75mm and 2.85mm.

Compatible with Multiple Diameter Filaments

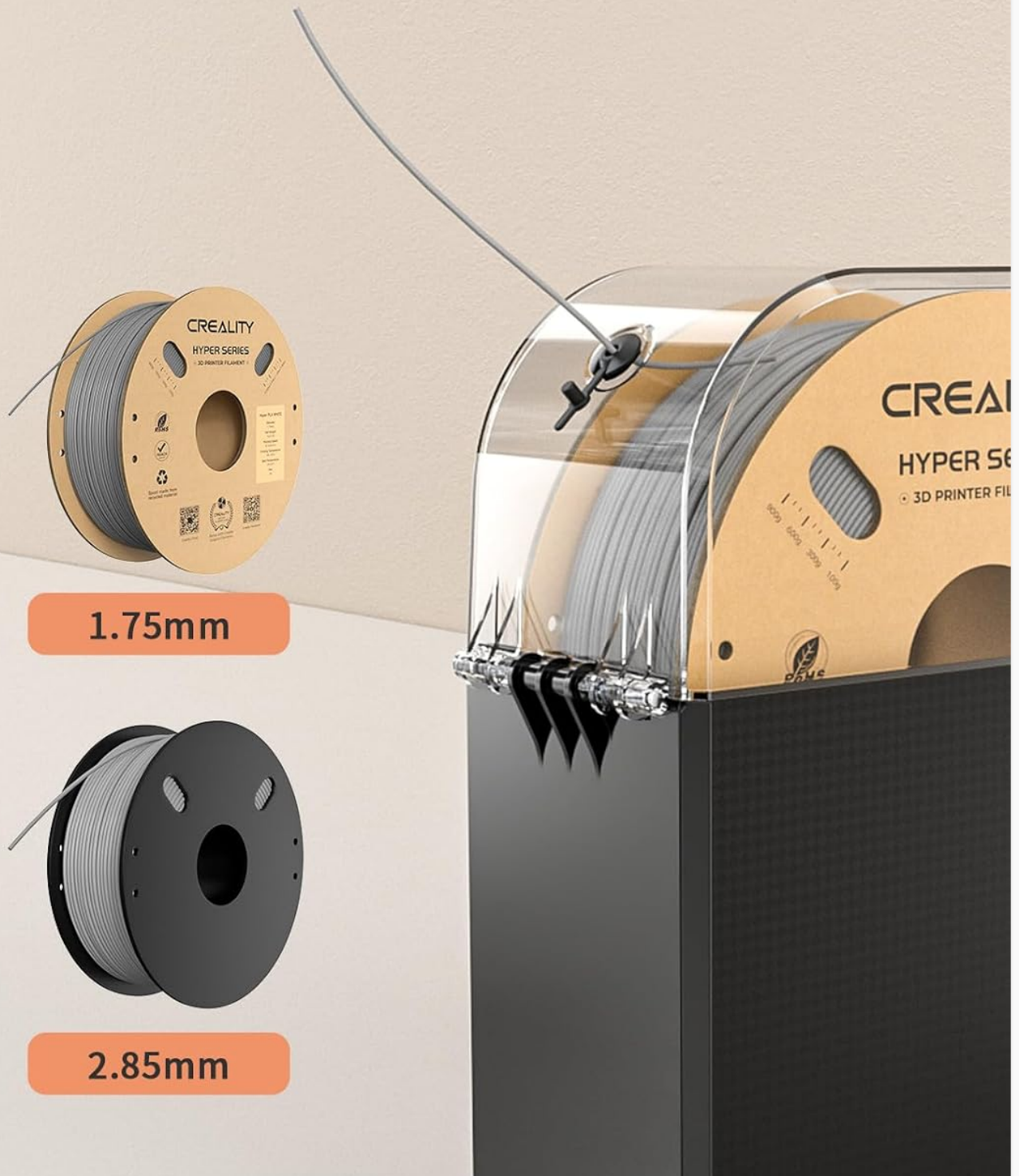


Image 5: Filament Diameter Compatibility

3.4 Recommended Drying Temperatures and Times

The following table provides recommended drying settings for common filament types:

Filament Type	Temperature	Minimum Duration
PLA	50°C	≥ 4h
TPU	55°C	≥ 4h
PP	55°C	≥ 6h
ABS	60°C	≥ 2h
ASA	60°C	≥ 4h
PETG	65°C	≥ 2h
PC	65°C	≥ 8h
PA	65°C	≥ 12h

Note: These are general recommendations. Optimal drying times may vary based on filament brand, initial moisture content, and environmental conditions.

4. MAINTENANCE

To ensure the longevity and optimal performance of your Creality Filament Dryer Box 2.0, consider the following maintenance guidelines:

- **Cleaning:** Periodically wipe the exterior with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Internal Cleaning:** Ensure the inside of the box is free from dust or filament debris. Unplug the device before cleaning the interior.
- **Storage:** When not in use, store the dryer box in a cool, dry place away from direct sunlight.

5. TROUBLESHOOTING

If you encounter issues with your filament dryer, refer to these common troubleshooting tips:

- **Device Not Powering On:**
 - Ensure the power cord is securely connected to both the device and the power outlet.
 - Check if the power switch is in the 'ON' position.
 - Verify the power outlet is functional by plugging in another device.
- **Filament Not Drying Effectively:**
 - Confirm that the correct temperature and duration settings are applied for your specific filament type (refer to Section 3.4).
 - Ensure the lid is properly closed to maintain internal temperature and humidity.
 - For heavily saturated filaments, a longer drying time may be required.
- **Unusual Noises:**
 - Check for any obstructions inside the dryer box that might be interfering with the fan or rollers.

- If persistent, contact customer support.

6. SPECIFICATIONS

Feature	Detail
Product Name	Filament Dry Box 2.0
Model	DB-02
Product Dimensions	237 x 266 x 99 mm
Net Weight	1060g (2.34 lbs)
Rated Power	145W
Temperature Control Range	45°C - 65°C
Heating Duration	0 - 24 hours
Filament Diameter Compatibility	1.75mm / 2.85mm
Input Voltage	US 110V 50/60Hz, GB/UK/EUR/ 220V 50/60Hz

7. WARRANTY AND SUPPORT

Creality provides professional after-sales service for its products. If you have any questions or require support regarding the Creality Filament Dryer Box 2.0, please contact Creality customer service via Amazon. They aim to respond within 24 hours.

For specific warranty details, please refer to the documentation included with your product or visit the official Creality website.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question