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Comgrow AK36WG-1200400J

Comgrow 3D Printer Filament Dryer Box Instruction Manual

Model: AK36WG-1200400J | Brand: Comgrow

INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your Comgrow 3D Printer Filament Dryer Box. Designed to keep your 3D printing filaments dry and free from moisture, this device ensures optimal print quality and extends the lifespan of your materials. Please read this manual thoroughly before using the product.

PRODUCT OVERVIEW

The Comgrow Filament Dryer Box is an essential accessory for any 3D printing enthusiast, designed to combat the common issue of moisture absorption in filaments. It features internal heating and real-time monitoring to provide a stable, dry environment for your materials.

Key Features:

- **Large Storage Volume:** Accommodates 2 rolls of 1kg spools, compatible with 1.75mm/2.85mm PLA, ABS, and SILK filaments. Inner size: 9.29*6.49*9.13 inches (236*165*232mm).
- **Moisture Removal:** Actively dries and removes moisture from filaments, preventing common printing issues like entanglement, clogging, poor adhesion, and layer migration.
- **Real-time Monitoring:** Features a 2-inch LCD screen displaying temperature and humidity.
- **Adjustable Settings:** Temperature range of 40°C to 50°C, with a drying time setting from 6 to 12 hours.
- **Sealed Design:** Equipped with a silicone cable sheath and Teflon tube for smooth filament output, and a snap-button top cover for good sealing performance.



Figure 1: Comgrow 3D Printer Filament Dryer Box.

Use precautions

Does the drying box automatically shut down/stop working?

Set the temperature and duration after turning on the machine. The filament dryer box will work only when the work state is displayed on the screen. If the work mode is not displayed, the motherboard will automatically shut down after 3 minutes.



High humidity inside the box?

If the humidity gets trapped in the dryer, it's recommended to open the lid several times over the course of a few hours to vent the humidity, or you also can put 2 small bags of desiccant into the dryer.

Fan noise?

It may be caused by the interference between the cable in the drying box and the fan blades. Open the drying box to fine-tune the position of the fan, and check whether the fan blades are interfered with by the circuit lines, and comb if any. If the noise still occurs after eliminating this problem, please contact us in time.

Figure 2: Large Capacity of the Filament Dryer Box.

Compatible with 99% of 3D Filament Spools



Figure 3: Multiple Functions of the Filament Dryer.

SETUP

Follow these steps for the initial setup of your Comgrow Filament Dryer Box:

- 1. Install the Upper Cover:** If the upper cover is not already installed, align it with the base and gently push the pins into place. Ensure it is securely attached.
- 2. Place Filaments:** Unlock the snap button on the side, open the upper cover, and place your filament spools inside. The dryer can accommodate two spools with a diameter of $\leq 70\text{mm}$ or one bobbin with a width of $\leq 150\text{mm}$.
- 3. Connect Power:** Open the sealing cap of the power jack located on the side of the unit and connect the provided power adapter.
- 4. Feed Filament (if printing directly):** If you intend to print directly from the dryer, open the plug on the upper cover and pull the filament out through the outlet. Ensure the filament is placed counter-clockwise for better feeding. Close the upper cover securely.

Sealed Mute Function, Sleep Peacefully at Night



Figure 4: Setup and Operation Steps.

Video 1: Official Comgrow guide on how to install the filament dryer box.

OPERATING INSTRUCTIONS

Once set up, operating the Comgrow Filament Dryer Box is straightforward:

1. **Power On:** Press the power button (**U** symbol) to turn on the device. The screen will display the current temperature and humidity inside the box.
2. **Set Temperature:** Press the function button (**M**) to enter temperature setting mode. Use the adjust button (**three vertical lines**) to cycle through temperature options (40°C, 45°C, 50°C).
3. **Set Drying Time:** Press the function button (**M**) again to enter time setting mode. Use the adjust button to set the desired drying duration (from 6 to 12 hours).
4. **Start Drying:** After setting both temperature and time, press the function button (**M**) one more time to confirm and enter the

