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AC Infinity AC-CBA733

AC Infinity CLOUDLAB 733 Advance Grow Tent Instruction Manual

Model: AC-CBA733 | Brand: AC Infinity

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your AC Infinity CLOUDLAB 733 Advance Grow Tent. Designed with industry-leading materials and innovative features, this grow tent provides an optimal environment for indoor plant cultivation.



Figure 1: AC Infinity CLOUDLAB 733 Advance Grow Tent.

SAFETY INFORMATION

WARNING:

- Ensure all electrical connections are secure and comply with local regulations.
- Do not overload electrical outlets inside or outside the tent.
- Keep water and liquids away from electrical components.
- Do not hang excessive weight from the tent's frame. Refer to specifications for weight limits.
- Always unplug electrical devices before performing maintenance or adjustments.

PACKAGE CONTENTS

Verify that all components are present before beginning assembly:

- 2000D Mylar Canvas Tent Body
- 1-inch Thick Steel Poles (for frame construction)
- Corner Connectors
- Controller Mounting Plate
- Heavy-Duty Catch Tray
- Hanging Bars (2 primary, 2 extra)
- Tool Bag with Release Buckle
- Instruction Manual (this document)



Figure 2: Key components and features of the grow tent.

SETUP INSTRUCTIONS

Follow these steps to assemble your grow tent:

1. **Unpack Components:** Carefully remove all parts from the packaging. Lay them out to ensure all pieces are accounted for.
2. **Assemble the Base Frame:** Connect the steel poles using the corner connectors to form the base of the tent. Ensure all connections are secure.
3. **Construct Vertical Supports:** Attach the vertical poles to the base frame, then connect the top frame using additional corner connectors.
4. **Install Tent Canvas:** Drape the 2000D Mylar canvas over the assembled frame. Carefully pull it down, ensuring the zippers align with the frame's edges.
5. **Secure Hanging Bars:** Install the primary and extra hanging bars across the top of the tent frame. These provide support for lights, fans, and other equipment.
6. **Place Catch Tray:** Position the heavy-duty catch tray at the bottom of the tent.
7. **Mount Controller Plate:** Attach the controller mounting plate to the designated area on the tent exterior. Utilize the lightproof cable passthrough for wiring.

For a visual guide on the tent's features and construction, please watch the official product video below:

Your browser does not support the video tag.

Video 1: CLOUDLAB Series - Advance Grow Tents Overview. This video highlights the key features and design of the AC Infinity CLOUDLAB grow tents.

FUTURE READY DESIGN



Steel Mounting Plate

Secure controllers and allow cords to enter the tent without light leak.



Extra Double-Cinched Ports

More ducts than other tents for connecting humidifiers, heaters, and A/Cs.

Heavy-Duty Catch Tray

Thicker waterproof tray with reflective finish—stain-resistant and easy to clean.

Figure 3: Controller mounting plate and duct ports for external device integration.

OPERATING INSTRUCTIONS

The CLOUDLAB 733 is designed for optimal environmental control:

- **Light Control:** The 2000D Mylar canvas and reinforced zippers ensure zero light leaks, maintaining a consistent light cycle for your plants.
- **Ventilation:** Utilize the multiple duct ports (4", 6", 8") for connecting inline fans, carbon filters, and other ventilation equipment. Ensure proper airflow for temperature and humidity regulation.
- **Monitoring:** Use the controller mounting plate to securely attach your environmental controller. This allows for easy monitoring and adjustment of temperature, humidity, and fan speeds without opening the tent.
- **Access:** The large zipper window and side doors provide convenient access to your plants for watering, pruning, and inspection.

ELEVATED VIEWS

New taller windows offer a full view of your grow while preserving internal climate. All doors and windows feature smooth, jam-free SBS™ zippers.

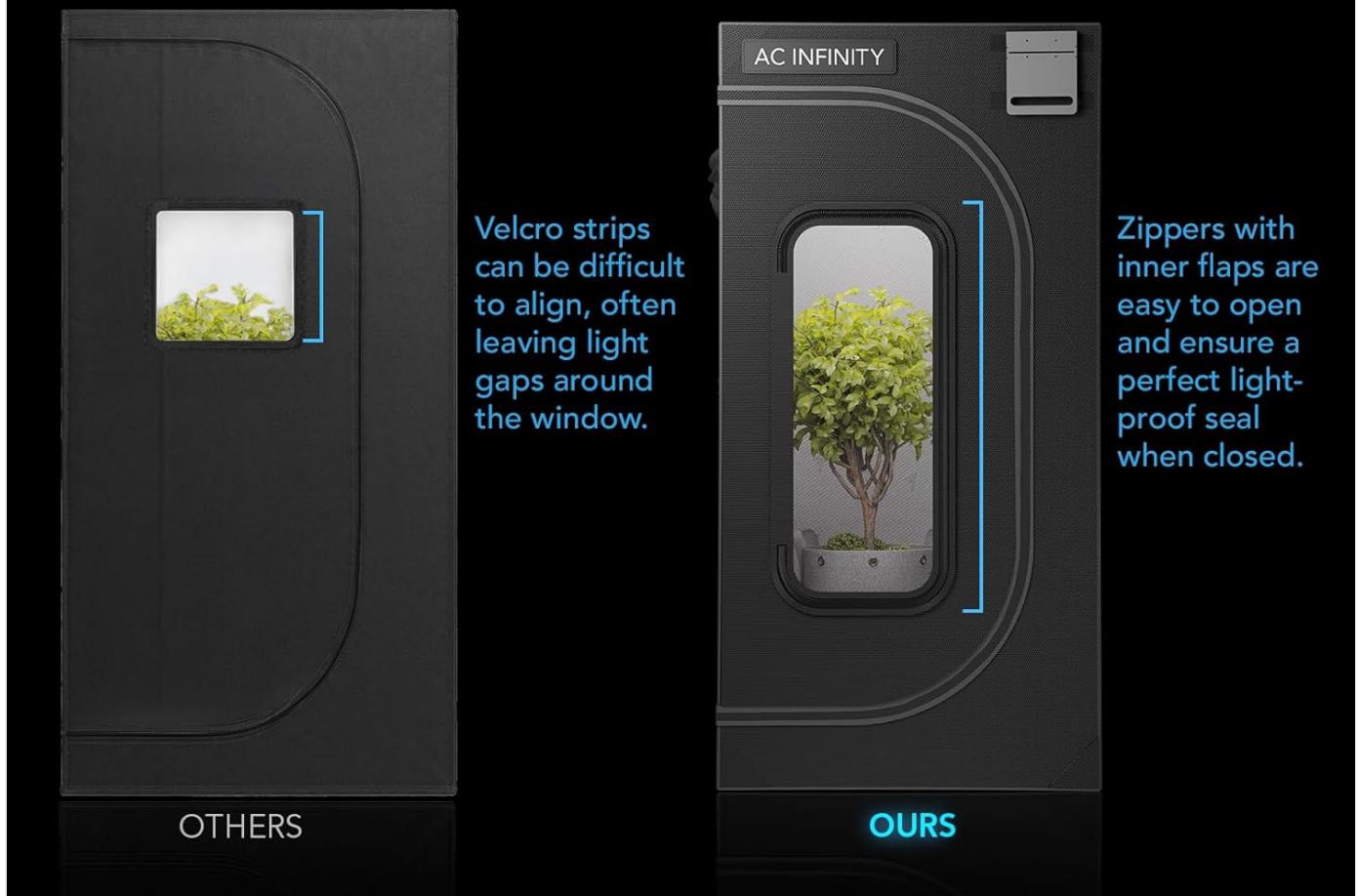


Figure 4: Taller windows with lightproof SBS zippers for easy viewing and climate control.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your grow tent:

- **Cleaning:** Wipe down the interior Mylar lining and exterior canvas with a damp cloth as needed. The white stain-resistant catch tray can be easily removed for cleaning.
- **Zipper Care:** Periodically inspect zippers for smooth operation. Apply a food-grade lubricant if they become stiff.
- **Frame Inspection:** Check all steel pole connections and corner pieces for stability. Tighten if necessary.
- **Duct Port Integrity:** Ensure all duct ports are securely cinched when not in use to prevent light leaks and maintain environmental control.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light Leaks	Zippers not fully closed, unsealed duct ports, fabric damage.	Ensure all zippers are fully closed and inner flaps are secured. Tighten duct port drawstrings. Inspect canvas for tears and repair if necessary.
Tent Instability	Loose frame connections, uneven surface, excessive weight.	Verify all poles are securely connected to corners. Place tent on a flat, level surface. Do not exceed the recommended weight capacity for hanging equipment.
Poor Airflow	Blocked duct ports, fan malfunction, incorrect fan size.	Check duct ports for obstructions. Ensure inline fan is operating correctly. Verify fan size is appropriate for tent volume.

SPECIFICATIONS

Product Dimensions: 36" L x 36" W x 72" H

Plant Capacity: 4 Plants (variable based on plant size)

Frame Material: Alloy Steel (1-inch thick poles)

Outer Material: 2000D Waterproof Oxford Canvas

Inner Material: 100% Reflective Mylar (Lab-Tested Highest Reflectivity)

Duct Ports: 4" (x4), 6" (x2), 8" (x3)

Side Doors: 2

Hanging Bars: 2 primary, 2 extra)

Item Weight: 31.4 pounds (14.27 Kilograms)

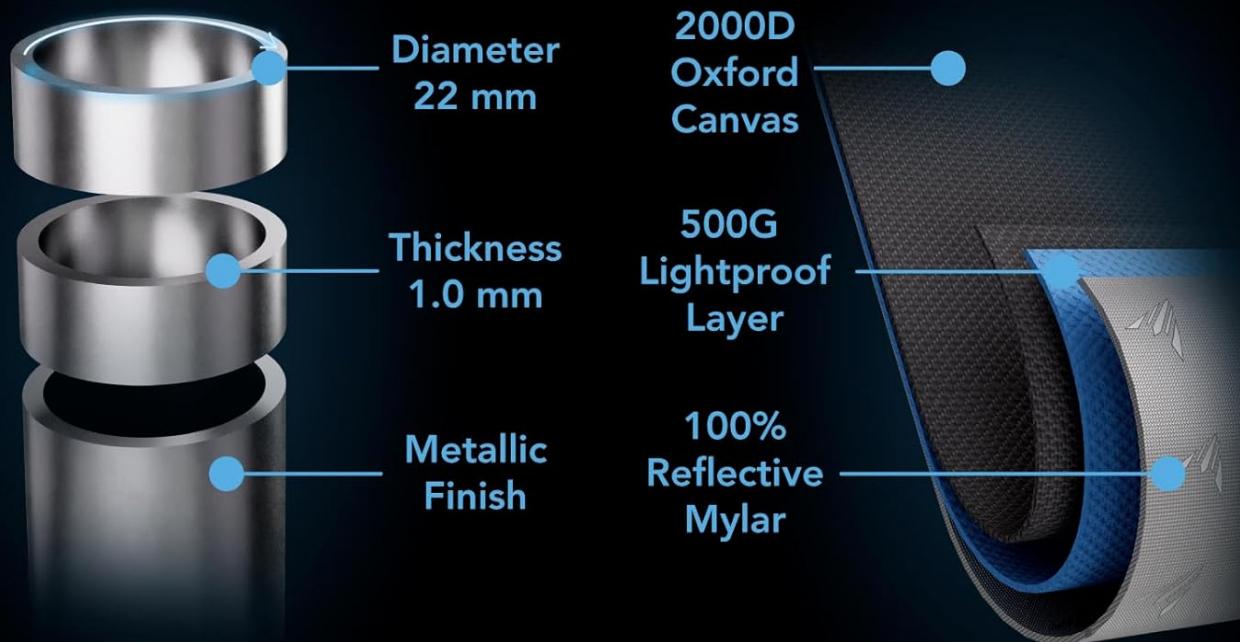
Manufacturer: AC Infinity

Model Number: AC-CBA733

UPC: 819137021563

BENCHMARK MATERIALS

Crafted with the thickest steel poles and reengineered mylar *lab-tested to have the highest light reflectance rating among leading tents.



*Tested with Agilent™ UV-Vis-NIR Spectrophotometer

Figure 5: Detailed view of the tent's benchmark materials and pole specifications.

WARRANTY AND SUPPORT

AC Infinity products are designed for durability and performance. For specific warranty details and customer support, please refer to the official AC Infinity website or the PDF user manual provided with your purchase. You can also visit the [AC Infinity Store on Amazon](#) for additional resources and contact information.

A digital version of the user manual is available at: [User Manual \(PDF\)](#)