

## VIVOSUN S223, AeroStream H05

# VIVOSUN S223 2x2 Grow Tent and AeroStream H05 Intelligent Wi-Fi Humidifier User Manual

Model: S223 Grow Tent, AeroStream H05 Humidifier

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## 1. PRODUCT OVERVIEW

The VIVOSUN S223 2x2 Grow Tent and AeroStream H05 Intelligent Wi-Fi Humidifier system is designed to create an optimal indoor growing environment. This comprehensive kit includes a high-quality grow tent and a smart humidifier with precise environmental control capabilities.

### Key Features:

- **Light-Blocking Grow Tent:** Constructed from durable 600D Oxford canvas with a 100% reflective Mylar interior and reinforced PE layer to prevent light leakage and maximize light efficiency. Features upgraded SBS zippers for a secure seal.
- **Sturdy Construction:** Supported by strong metal poles and tool-free corner connectors. Top hanging bars can hold up to 100 lbs for various equipment.
- **Easy Monitoring & Access:** Includes a visible transparent plastic window for plant observation and a removable floor tray for easy cleaning.
- **Intelligent Humidification:** The AeroStream H05 ultrasonic humidifier offers precise 1% humidity resolution and features a highly sensitive external temperature and humidity probe for accurate readings.
- **Plant-Friendly Humidifier Design:** Phantom mode disables the screen during operation, avoiding light interference that could disrupt plant growth; The opaque water tank prevents unwanted buildup inside, ensuring clean vapor for your plants.



Figure 1: VIVOSUN S223 2x2 Grow Tent and AeroStream H05 Intelligent Wi-Fi Humidifier.

This image displays the complete VIVOSUN S223 2x2 Grow Tent and the AeroStream H05 Intelligent Wi-Fi Humidifier, showcasing the primary components of the system.

## 2. SETUP INSTRUCTIONS

### 2.1 Grow Tent Assembly

1. **Unpack Components:** Carefully remove all parts from the packaging. Verify that all frame poles, connectors, and the tent fabric are present.
2. **Assemble Base Frame:** Connect the shortest poles to form the base square using the corner connectors. Ensure all connections are secure.
3. **Install Vertical Poles:** Attach the vertical poles to each corner of the base frame.
4. **Assemble Top Frame:** Connect the remaining short poles to form the top square, attaching them to the vertical poles.
5. **Drape Tent Fabric:** Carefully pull the tent fabric over the assembled frame. Ensure the zippers are aligned correctly.
6. **Secure Fabric:** Zip up the tent completely. Ensure all corners are properly seated within the fabric.
7. **Install Hanging Bars:** Attach the top hanging bars inside the tent for lights and other equipment.
8. **Place Floor Tray:** Insert the removable waterproof floor tray at the bottom of the tent.



# 100% Reflective Diamond Mylar



**Better**  
Light Utilization



**Even**  
Light Distribution



**High**  
Energy Efficiency



**Increased**  
Yield & Quality

VIVOSUN		Other
Thickness	> 17µm	< 10µm
Reflectivity	100%	70%-80%



Figure 2: Illustration of the grow tent frame assembly, highlighting the sturdy metal poles and connectors.

This image shows the robust metal frame of the VIVOSUN grow tent, emphasizing its stability and ease of assembly with tool-free connectors.



# Multi-Layered Fabric

Blocks all light leaks and boosts the output efficiency of your setup.

**600D**  
Oxford Nylon

**340G**  
Lightproof PE

**100%**  
Reflective Mylar

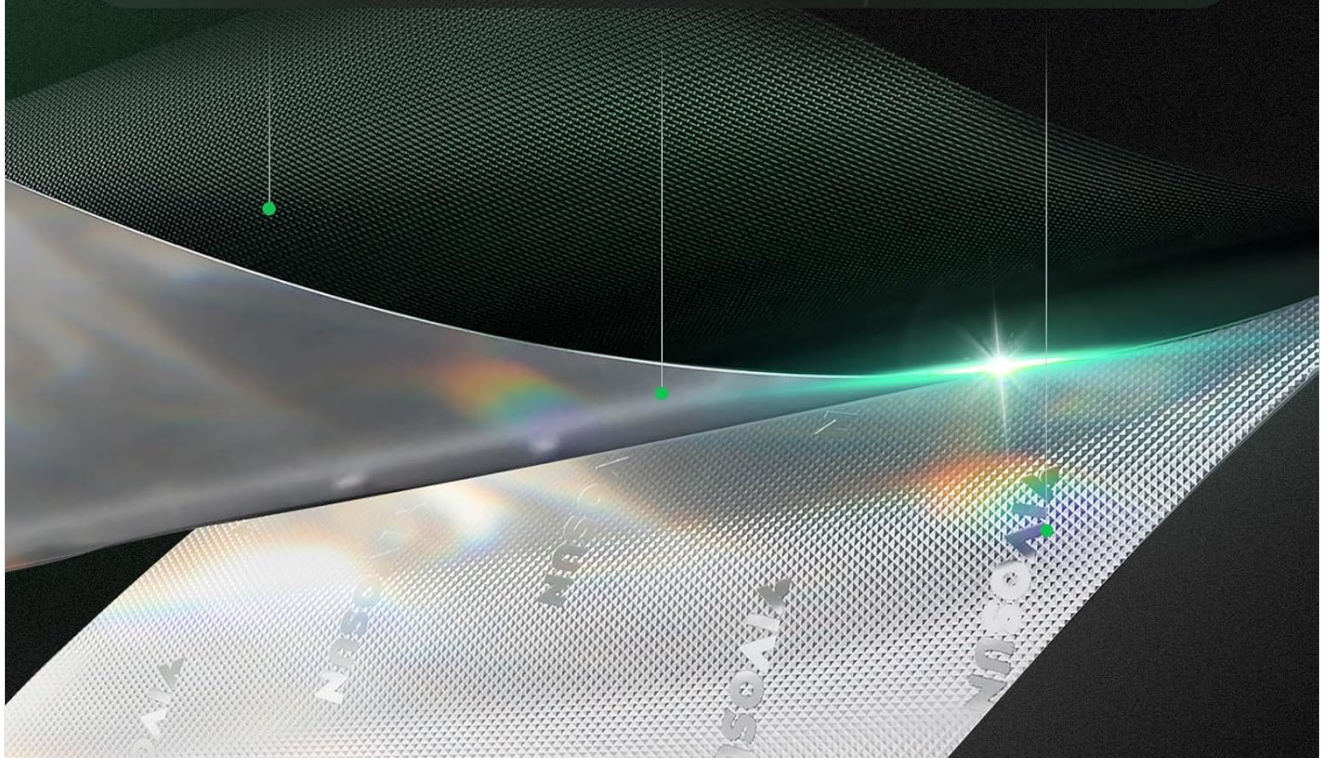


Figure 3: Cross-section view of the multi-layered grow tent fabric, detailing its 600D Oxford Nylon, 340G Lightproof PE, and 100% Reflective Mylar layers.

This image illustrates the advanced multi-layered fabric of the grow tent, designed for optimal light retention and durability, featuring 600D Oxford Nylon, 340G Lightproof PE, and 100% Reflective Mylar.



# Next-Gen Plant Humidifier



Optimizes Plant Growth



Precise Humidity Control



Smart Remote Control



Hassle-Free Operation



Figure 4: Close-up of the durable metal frame components, showing the 0.8mm thickness and 16mm pipe diameter, along with stable hanging bars capable of supporting up to 100 lbs.

This image highlights the robust construction of the grow tent's metal frame, featuring 0.8mm thick, 16mm diameter pipes and stable hanging bars designed to support significant weight, ensuring a secure environment for plant growth.

## 2.2 Humidifier Initial Setup

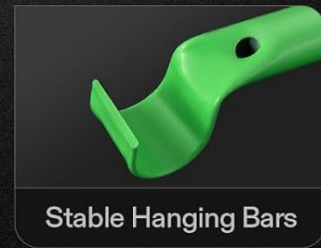
1. **Placement:** Position the AeroStream H05 humidifier on a flat, stable surface inside or near the grow tent.
2. **Fill Water Tank:** Open the top-fill access and pour distilled or purified water into the tank. Observe the clear water level indicator to avoid overfilling.
3. **Connect Probe:** Insert the external temperature and humidity probe into the designated port on the humidifier. Place the probe inside the grow tent for accurate environmental readings.
4. **Power On:** Plug the humidifier into a power outlet. Press the power button to turn it on.
5. **Wi-Fi Configuration:** Download the VIVOSUN App. Follow the in-app instructions to connect the AeroStream H05 to your Wi-Fi network for smart remote control.

# Durable Metal Frame

Provide a secure and stable environment for optimal plant growth.

**0.8mm**  
Thickness

**16mm**  
Pipe Diameter



Stable Hanging Bars

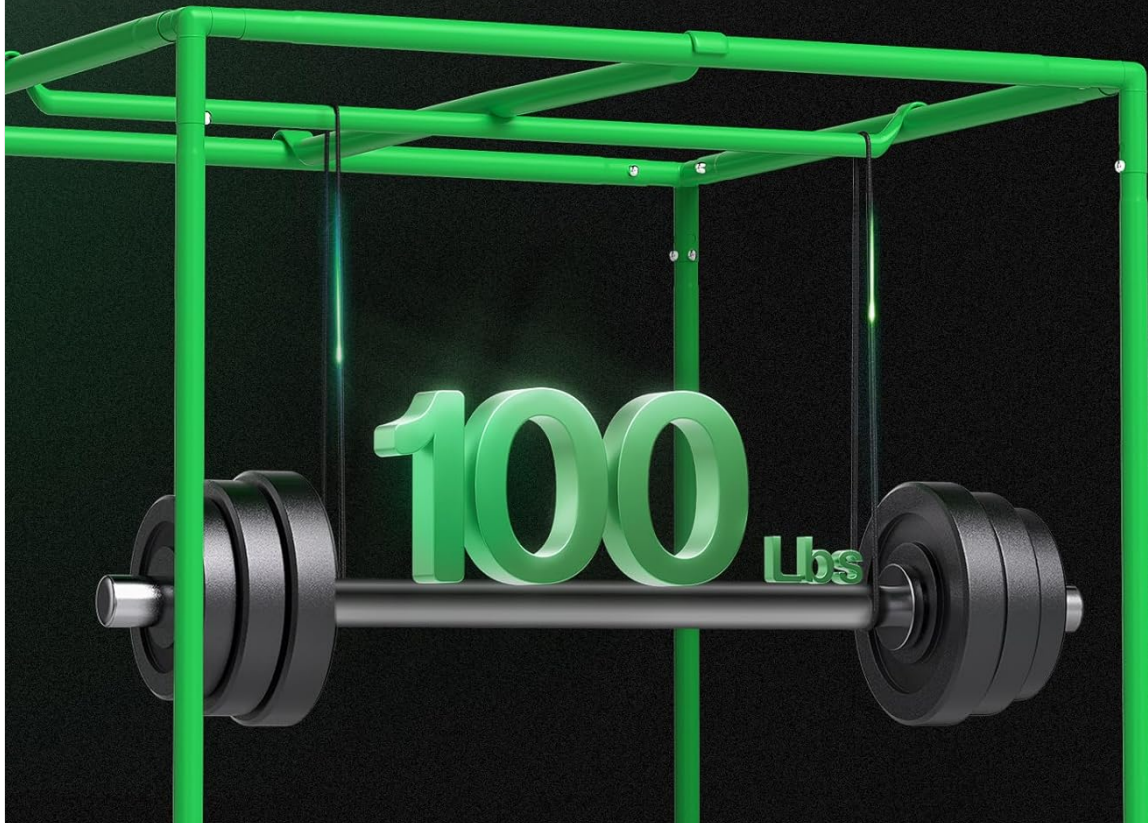


Figure 5: The AeroStream H05 Humidifier with its external temperature and humidity probe, demonstrating precision monitoring capabilities.

This image showcases the AeroStream H05 humidifier's precision monitoring feature, highlighting the external temperature and humidity probe that provides accurate environmental data for optimal plant conditions.



# Smart Remote Control

WiFi-enabled for remote control and real-time notifications.



Figure 6: A smartphone displaying the VIVOSUN app interface for smart remote control of the AeroStream H05 Humidifier, showing mist level and target humidity settings.

This image demonstrates the smart remote control functionality of the AeroStream H05 humidifier via the VIVOSUN app, allowing users to adjust settings like mist level and target humidity from their smartphone.

## 2.3 Setup Videos

### VIVOSUN AeroStream H05 Operating Guide

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This video provides a comprehensive guide on operating the VIVOSUN AeroStream H05 humidifier, including button functions, mode selection (Manual, Cycle, Auto, Timer), and Wi-Fi configuration steps.

### VIVOSUN AeroStream H05 Intelligent Wi-Fi Humidifier

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This video demonstrates the key features of the VIVOSUN AeroStream H05 Intelligent Wi-Fi Humidifier, including its easy top-fill access, clear water level indicator, smart remote control, and various operating modes.

## 3. OPERATING INSTRUCTIONS

### 3.1 Humidifier Control Panel

The AeroStream H05 humidifier features an intuitive control panel for direct adjustments. Use the On/Off button to power the device. The Menu/Confirm button allows you to switch between Manual, Cycle, Auto, and Timer modes. The Up/Down buttons adjust values such as mist level, time, and target humidity.

## Adaptable for Any Environment

Ensure the vapor outlet is always directed upwards for optimal performance.



Flexible Hose

Mist Outlet

Figure 7: The AeroStream H05 Humidifier demonstrating its adaptability with both flexible hose and direct mist outlet options for various grow tent setups.

This image illustrates the versatile design of the AeroStream H05 humidifier, showing how it can be configured with a flexible hose to direct mist or used with its standard mist outlet, adapting to different grow tent environments.

### 3.2 Operating Modes

- **Manual Mode:** Manually set the desired mist level.
- **Cycle Mode:** Program the humidifier to run for a set period and then pause for another set period, repeating the cycle.
- **Auto Mode:** Set a target humidity level, and the humidifier will automatically adjust its output to maintain it,



using readings from the external probe.

- **Timer Mode:** Schedule specific runtimes and mist levels for different periods throughout the day.

### 3.3 Smart Control via VIVOSUN App

Once connected to Wi-Fi, the VIVOSUN App allows for comprehensive remote control and monitoring of the AeroStream H05 humidifier. You can adjust mist levels, switch operating modes, set schedules, and receive real-time notifications about your grow tent's environment.

#### How to Set Up Auto Mode (for fan, but principles apply to humidifier)

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This video, while demonstrating a smart ventilation system, illustrates the general principles of setting up Auto Mode via an app, including fan speed, temperature/humidity settings, and dead zones. These concepts are applicable to controlling the AeroStream H05 humidifier's automatic functions.

#### How to Set Up Cycle Mode (for fan, but principles apply to humidifier)

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This video, demonstrating a smart ventilation system, shows how to configure Cycle Mode through an app, setting run durations, shutdown durations, and the number of cycles. These principles can be adapted for scheduling the AeroStream H05 humidifier's operation.

#### How to Set Up Timer Mode (for fan, but principles apply to humidifier)

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This video, demonstrating a smart ventilation system, explains how to set up Timer Mode via an app, allowing for customized fan behavior across multiple stages. The concepts are transferable to programming the AeroStream H05 humidifier for specific time-based operations.

## 4. MAINTENANCE

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### 4.1 Grow Tent Cleaning

- **Removable Floor Tray:** The grow tent includes a removable floor tray designed for easy cleaning. Regularly remove and clean the tray to prevent water buildup and maintain hygiene.
- **Interior Cleaning:** Wipe down the Mylar interior with a damp cloth and mild, plant-safe cleaning solution as needed to maintain reflectivity and prevent mold or mildew growth.
- **Exterior Cleaning:** Clean the exterior Oxford canvas with a damp cloth to remove dust and debris.

### 4.2 Humidifier Cleaning

- **Water Tank:** Regularly clean the opaque water tank to prevent mineral buildup and ensure clean vapor production. Use a soft brush and mild detergent, then rinse thoroughly.
- **Ultrasonic Atomizer:** Clean the ultrasonic atomizer plate with a soft brush or cotton swab to remove any mineral deposits.
- **Air Filter:** Check and clean or replace the air filter as per the humidifier's specific instructions to maintain optimal performance.

## 5. TROUBLESHOOTING

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## 5.1 Common Issues & Solutions

- **No Mist Production:**

- Check if the water tank is filled.
- Ensure the humidifier is properly plugged in and powered on.
- Verify the ultrasonic atomizer is clean and free of mineral buildup.

- **Inaccurate Humidity Readings:**

- Ensure the external temperature and humidity probe is correctly connected and positioned within the grow tent, away from direct mist.
- Clean the probe if it appears dirty or obstructed.

- **Wi-Fi Connection Issues:**

- Confirm your Wi-Fi network is 2.4GHz (the humidifier is only compatible with 2.4GHz networks).
- Restart the humidifier and your Wi-Fi router.
- Follow the in-app instructions for re-pairing the device.

- **Light Leakage from Tent:**

- Ensure all zippers are fully closed and the inner lining is properly sealed.
- Check for any gaps around ducting ports and tighten drawstrings.

## 6. SPECIFICATIONS

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### 6.1 Grow Tent (Model S223)

- **Dimensions:** 2x2 ft (approx. 24x24 inches)
- **Outer Material:** 600D Oxford Canvas
- **Inner Material:** 100% Reflective Mylar, Polyethylene (PE)
- **Frame Material:** Metal (0.8mm thickness, 16mm pipe diameter)
- **Color:** Black with Green accents
- **Hanging Bar Capacity:** Up to 100 lbs per bar

### 6.2 Humidifier (Model AeroStream H05)

- **Capacity:** 1.32 Gallons / 5 Liters
- **Humidification Type:** Ultrasonic
- **Humidity Resolution:** 1%
- **Control:** Smart Remote Control (Wi-Fi enabled), On-device buttons
- **Features:** External Temp & Humidity Probe, Phantom Mode, Adjustable Mist Direction, Opaque Water Tank

## 7. WARRANTY & SUPPORT

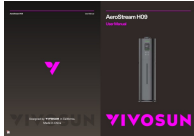


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For warranty information, product support, or to purchase replacement parts, please visit the official VIVOSUN website or contact VIVOSUN customer service. Keep your purchase receipt for warranty claims.

**VIVOSUN Official Website:** [VIVOSUN Store on Amazon](#)



## Related Documents - S223, AeroStream H05

	<p><a href="#">VIVOSUN AeroStream H09 Intelligent Environmental Humidifier User Manual</a></p> <p>User manual for the VIVOSUN AeroStream H09 Intelligent Environmental Humidifier, detailing features, specifications, installation, operation modes, maintenance, Wi-Fi configuration, and warranty information.</p>
	<p><a href="#">VIVOSUN AeroStream H05 Intelligent Humidifier User Manual</a></p> <p>Comprehensive user manual for the VIVOSUN AeroStream H05 intelligent humidifier, detailing setup, operation modes, features, Wi-Fi configuration, and maintenance procedures.</p>
	<p><a href="#">VIVOSUN Standard Series Large Grow Tent - Optimal Indoor Cultivation</a></p> <p>Discover the VIVOSUN Standard Series Large Grow Tent, engineered for superior indoor gardening. Featuring durable construction, light-proof design, and efficient ventilation, it's ideal for hydroponic systems and plant growth.</p>
