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SunSun AUV-24W

Sunsun AUV Series Aquarium Internal UV Sterilizer AUV-24W User Manual

Model: AUV-24W | Brand: SunSun

1. INTRODUCTION

The Sunsun AUV Series Internal UV Sterilizer is designed to maintain clear and healthy aquarium water by inhibiting the growth of harmful microorganisms and preventing algae reproduction. This device helps reduce the presence of germs and ensures crystal clear water in your pond or fish tank.



Image 1.1: Sunsun AUV Series Internal UV Sterilizer unit. This image shows the compact, cylindrical design of the submersible UV sterilizer, typically black in color, with a power cord extending from one end.

2. SAFETY INSTRUCTIONS

- **UV Radiation Hazard:** Ultraviolet (UV) light can be harmful to eyes and skin. Never look directly at the UV lamp when it is operating. Ensure the unit is fully enclosed and submerged before powering on.
- **Electrical Safety:** Always disconnect the power supply before performing any maintenance, installation, or handling the unit. A separate power switch is recommended for safer operation.
- **Submersion:** This device is designed for submersible use only. Ensure the unit is completely submerged in water before connecting to power.
- **Water Temperature:** Do not operate in water temperatures exceeding 35°C (95°F) or below 4°C (39°F).
- **Children and Pets:** Keep the device and its power cord out of reach of children and pets.
- **Damage Inspection:** Do not operate the unit if the power cord, plug, or any part of the housing is damaged. Contact customer support for assistance.

3. PACKAGE CONTENTS

Please check that all items are present and in good condition:

- Sunsun AUV Series Internal UV Sterilizer Unit (AUV-24W)
- Power Adapter
- Mounting Suction Cups
- User Manual (this document)

4. SETUP AND INSTALLATION

1. **Unpack and Inspect:** Carefully unpack all components. Inspect the UV sterilizer unit, power adapter, and cord for any signs of damage. Do not proceed with installation if any damage is found.
2. **Attach Mounting Suction Cups:** Securely attach the provided suction cups to the body of the UV sterilizer unit. These will be used to fix the unit inside your aquarium or pond.
3. **Positioning:** Submerge the UV sterilizer completely in your aquarium or pond. Place it in an area with good water circulation to ensure efficient water treatment. Avoid placing it directly in front of a strong filter outflow, which might reduce contact time.
4. **Secure the Unit:** Press the suction cups firmly against the tank wall or bottom to secure the unit in place. Ensure it is stable and cannot float or move freely.
5. **Connect Power:** Connect the power adapter to the sterilizer unit. Then, plug the power adapter into a suitable electrical outlet. It is highly recommended to use a separate power switch for the unit for added safety and convenience.
6. **Verify Submersion:** Before powering on, double-check that the entire UV lamp and its housing are fully submerged in water. Operating the UV lamp out of water can cause overheating and damage, and expose users to harmful UV radiation.

5. OPERATING INSTRUCTIONS

Once the Sunsun AUV Series UV Sterilizer is properly installed and connected to power, it will begin operation. The UV light continuously treats the water that flows around it, inhibiting the growth of harmful microorganisms and preventing algae.

- **Continuous Operation:** The unit is designed for continuous operation. For best results in maintaining clear water and controlling pathogens, it is generally recommended to run the UV sterilizer 24/7.
- **Initial Results:** Noticeable improvements in water clarity may take several days to a few weeks, depending on the initial water conditions, the severity of algae or bacterial bloom, and the volume of your aquarium or pond.

- **Monitoring:** Regularly observe your aquarium water clarity and fish health. The UV sterilizer contributes to a healthier aquatic environment.

6. MAINTENANCE

Regular maintenance is crucial for the optimal performance and longevity of your UV sterilizer.

1. **Power Disconnection:** *Always disconnect the power supply to the UV sterilizer before performing any maintenance or handling the unit.*

2. **Cleaning the Quartz Sleeve:**

Over time, the transparent quartz sleeve that protects the UV lamp may accumulate algae, mineral deposits, or other debris. This buildup can reduce the effectiveness of the UV light.

- Carefully remove the UV sterilizer unit from the water.
- Gently wipe the exterior of the quartz sleeve with a soft, clean cloth to remove any buildup. For stubborn deposits, a mild vinegar solution can be used, followed by a thorough rinse with clean water.
- Do not use abrasive cleaners or harsh chemicals, as these can scratch or damage the quartz sleeve.

3. **UV Lamp Replacement:**

The UV lamp has a finite lifespan, typically 6 to 12 months of continuous use, after which its germicidal effectiveness diminishes, even if it still appears to be glowing. It is recommended to replace the UV lamp annually.

- Refer to your specific model (AUV-24W) to purchase the correct replacement UV lamp.
- Carefully remove the old UV lamp from the unit, following the manufacturer's instructions (usually involves unscrewing an end cap and sliding out the lamp).
- Handle the new lamp by its ceramic ends, avoiding direct contact with the glass, as oils from your skin can create hot spots and reduce lamp life.
- Insert the new lamp and reassemble the unit securely.
- Dispose of old UV lamps according to local regulations for hazardous waste.

4. **Housing and Cord Inspection:** Periodically inspect the sterilizer's housing and power cord for any signs of cracks, damage, or wear. If any damage is observed, discontinue use immediately and replace the unit.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
UV lamp not lighting up.	<ul style="list-style-type: none">◦ No power supply.◦ Lamp not correctly seated.◦ UV lamp has reached end of life.◦ Faulty power adapter.	<ul style="list-style-type: none">◦ Check power connection and outlet.◦ Ensure lamp is securely installed.◦ Replace UV lamp.◦ Test with a known working adapter or contact support.

Problem	Possible Cause	Solution
Water remains cloudy or green.	<ul style="list-style-type: none"> ◦ Quartz sleeve is dirty. ◦ UV lamp effectiveness diminished. ◦ Insufficient water flow around the unit. ◦ Tank volume exceeds unit capacity. 	<ul style="list-style-type: none"> ◦ Clean the quartz sleeve (refer to Maintenance). ◦ Replace UV lamp (refer to Maintenance). ◦ Relocate the unit to an area with better flow. ◦ Ensure the unit is appropriate for your tank size (AUV-24W for up to 35000L).
Water leakage from the unit.	<ul style="list-style-type: none"> ◦ Unit housing or seals damaged. ◦ Improper assembly after maintenance. 	<ul style="list-style-type: none"> ◦ Immediately disconnect power. Inspect for cracks. Replace if damaged. ◦ Ensure all seals and caps are correctly and tightly seated.

8. SPECIFICATIONS

- **Brand:** SunSun
- **Model:** AUV-24W
- **Power Source:** AC (alternating current) adapter
- **Light Source Type:** Ultraviolet (UV) Light
- **Light Source Wattage:** 24 Watts
- **Mounting Type:** Submersible
- **Item Weight:** Approximately 1.36 kg (1365 Grams)
- **Product Dimensions (LxWxH):** Approximately 54.5 x 12 x 12 cm
- **Country of Origin:** China
- **Bulb Features:** UV sterilization
- **Color:** Black
- **Shape:** Round
- **Finish Type:** Powder Coated
- **Recommended Tank Volume:** Up to 35000 Liters

9. WARRANTY AND SUPPORT

For specific warranty information, product support, or to inquire about replacement parts, please contact your retailer or the manufacturer directly. It is advisable to retain your purchase receipt as proof of purchase for any warranty claims.