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AquaMiracle CY-101

AquaMiracle USB Rechargeable Aquarium Air Pump (Model CY-101) Instruction Manual

INTRODUCTION

The AquaMiracle USB Rechargeable Aquarium Air Pump (Model CY-101) is a versatile and portable aerator designed to provide essential oxygenation for various aquatic environments. Featuring a powerful lithium battery and an automatic AC/DC switch, this pump ensures continuous operation during power outages or for mobile applications like outdoor fishing and fish transportation. Its compact design and quiet operation make it suitable for both freshwater and marine setups up to 60 gallons.



Overview of the AquaMiracle USB & Battery Powered Aquarium Air Pump, highlighting its key features: oxygen supply, super quiet operation, and long battery life.

WHAT'S IN THE BOX

- 1 x AquaMiracle USB Rechargeable Aquarium Air Pump (Model CY-101)
- 1 x Airline Tubing
- 1 x Air Stone
- 1 x Check Valve

All-in-One

Comes with everything needed to aerate your application



Air Stone



Check Valve



Airline Tubing

The complete set of accessories included with your AquaMiracle air pump: air stone, check valve, and airline tubing.

SPECIFICATIONS

Model Name	CY-101
Power	2 Watts
Voltage	5V (USB)
Air Flow Capacity	1.5 Liters Per Minute (24 GPH)
Maximum Pressure	0.015 MPa
Recommended Tank Size	Up to 60 Gallons
Battery Capacity	2200mAh Lithium Battery
Battery Life (Continuous)	24-30 hours
Battery Life (Periodical Mode)	36-42 hours
Power Source	AC/DC (Automatic Switch)

Operation Mode	Continuous / Periodical (15s on/15s off)
Material	Plastic
Product Dimensions (LxWxH)	4.33" x 2.76" x 1.57"
Item Weight	0.25 Kilograms

SETUP

- 1. Connect Components:** Attach the airline tubing to the air pump's outlet. Insert the check valve into the airline tubing, ensuring the arrow on the valve points towards the air stone. Connect the air stone to the other end of the tubing.
- 2. Placement:** Position the air pump in a stable location. The pump features rubber feet to minimize vibration and noise. For aquariums, place the air stone at the bottom of the tank. The pump also has a clip for fixation to the side of a bucket or tank.
- 3. Charging:** Before first use, fully charge the pump using the provided USB cable. Connect the USB cable to the pump's charging port and a compatible USB charger, power bank, or laptop. The battery indicator lights will show the charging status.



The AquaMiracle air pump in operation, providing aeration to a planted aquarium. Note the air stone producing bubbles and the pump's compact design.



Detailed view of the pump's Type-C charging port and information on its 2200mAh lithium battery, offering 24-30 hours in normal mode and 36-42 hours in periodical mode.

OPERATING INSTRUCTIONS

Power On/Off and Mode Selection

- **Power On:** Press the power button once to turn the pump on. It will start in continuous operation mode.
- **Periodical Mode:** Press the power button a second time to activate periodical operation. In this mode, the pump runs for 15 seconds and then pauses for 15 seconds, extending battery life. The periodical indicator light will illuminate.
- **Power Off:** Press the power button a third time to turn the pump off.

Battery Indicator

The pump features a battery indicator with four LED lights, each representing approximately 25% of the battery charge. All four lights indicate a full charge.

AC/DC Automatic Switch

When connected to an AC power supply, the pump operates as a standard air pump. In the event of a power outage, it automatically switches to DC power, drawing from its internal lithium battery to ensure continuous aeration.

Quiet Operation

The pump is designed for quiet operation, making it suitable for various environments without causing disturbance. Its denoising rubber feet further reduce vibrations.



Detailed view of the pump's controls and features, including the ON/OFF switch, periodical indicator, battery indicator, clip for fixation, and denoising rubber feet.

Compat Size, Super Silent



10dB Flower Blossom



20-40dB Our Pump



40-70dB People talk



70-80dB Fan



90dB Car Blow

The pump's super silent operation is highlighted, showing it produces noise levels comparable to a flower blossom, significantly quieter than human conversation or a fan.

Multifaceted Uses

This air pump is suitable for a variety of applications:

- **Aquarium Aeration:** Provides essential oxygen for fish and aquatic life in home aquariums.
- **Emergency Backup:** Acts as a reliable aerator during power outages to protect your aquatic inhabitants.
- **Outdoor Fishing:** Ideal for keeping bait fish alive and healthy in bait buckets.
- **Fish Transportation:** Ensures adequate oxygen levels when transporting fish.



Aquarium Tank

Outdoor Fishing

Fish Transportation

Visual representation of the pump's diverse applications, including use in an aquarium, for outdoor fishing with a bait bucket, and during fish transportation.

MAINTENANCE

- **Air Stone:** Periodically check the air stone for blockages. If bubbles decrease, clean or replace the air stone to maintain optimal airflow.
- **Airline Tubing:** Inspect the airline tubing for kinks, cracks, or blockages. Ensure a clear path for air to flow.
- **Pump Exterior:** Wipe the exterior of the pump with a soft, damp cloth to keep it clean. Do not submerge the pump in water.
- **Charging Port:** Keep the USB charging port clean and dry to prevent damage.

TROUBLESHOOTING

- **No Air Output:**
 - Check if the pump is powered on and the battery is charged.
 - Ensure the airline tubing is not kinked or blocked.

- Verify the air stone is not clogged.
- Check the check valve for proper installation and function (arrow pointing towards the air stone).
- **Low Air Output:**
 - Clean or replace the air stone.
 - Inspect tubing for leaks or partial blockages.
 - Ensure the battery is sufficiently charged.
- **Battery Not Charging:**
 - Verify the USB cable is securely connected to both the pump and the power source.
 - Try a different USB cable or power adapter.
 - Ensure the charging port is free of debris.

WARRANTY AND SUPPORT

The AquaMiracle USB Rechargeable Aquarium Air Pump (Model CY-101) comes with a **1-Year Warranty**. For any product inquiries, technical support, or warranty claims, please refer to the contact information provided with your product packaging or visit the official AquaMiracle website for assistance.