

Monsin DR-DC160

Monsin DR-DC160 Cat Water Fountain Pump User Manual

Model: DR-DC160 | Brand: Monsin

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Monsin DR-DC160 Cat Water Fountain Pump. Please read this manual thoroughly before use to ensure optimal performance and longevity of the product. This pump is designed as a replacement motor for various pet water fountains.

2. PRODUCT FEATURES

- **Model:** DR-DC160 Submersible Water Pump.
- **Ultra Quiet Operation:** Designed with unique motor technology, operating below 40dB for minimal noise.
- **Low Power Consumption:** DC 5V-1.5W for energy efficiency.
- **Long-Life Operation:** Engineered for durability with proper maintenance.
- **Extended Power Cable:** Features a 6ft (approximately 1.8 meters) power cable for flexible placement.
- **Versatile USB Plug:** Compatible with portable chargers, computers, and other 5V/1A USB power adapters (adapter not included).
- **Integrated LED Light:** A blue LED light is included, which can assist in monitoring water levels.



Image 1: Overview of the Monsin DR-DC160 pump, its components, and examples of compatible pet fountains.

3. COMPATIBILITY

The Monsin DR-DC160 pump is compatible with a variety of pet water fountains, including round, cubic, and flower cap designs. To ensure proper fit, please verify the dimensions of your original pump and fountain before installation.



Our Pump Model: DR-DC160

Please refer to the original pump label for dimensions before purchasing.

Compatible Multiple
Types Pet Fountain



Image 2: The DR-DC160 pump model and examples of compatible pet fountain designs.

4. SETUP INSTRUCTIONS

1. **Unpack:** Carefully remove the pump from its packaging.
2. **Inspect:** Check the pump and power cable for any visible damage. Do not use if damaged.
3. **Placement:** Position the pump at the bottom of your pet water fountain, ensuring it is fully submerged in water. The suction cups on the bottom of the pump can be used to secure it in place.
4. **Connect:** Connect the fountain's water tube to the outlet nozzle of the pump.
5. **Power:** Insert the USB plug into a compatible 5V/1A USB power adapter (not included), a portable charger, or a computer USB port. **Warning:** Using an adapter with higher voltage may damage the pump.
6. **Test:** Ensure the fountain is filled with water to the appropriate level before powering on. The pump should begin circulating water.

5. OPERATING INSTRUCTIONS

The Monsin DR-DC160 pump operates continuously when connected to a power source. Ensure the water level in the fountain is always above the minimum required for the pump to function properly and prevent dry running, which can cause damage.

- **Continuous Operation:** The pump is designed for continuous operation as long as it is submerged in water and powered.
- **Water Level Monitoring:** Regularly check the water level in your pet fountain. The integrated blue LED light can help in low-light conditions to assess the water level.
- **Power On/Off:** To turn the pump on or off, simply plug or unplug the USB connector from the power source.

6. MAINTENANCE

Regular cleaning is crucial for extending the service life of your pump and ensuring clean water for your pet. It is recommended to clean the pump at least once every two weeks.

Cleaning Steps:

1. **Disconnect Power:** Always unplug the pump from the power source before cleaning.
2. **Remove Pump Cover:** Gently remove the front cover of the pump.
3. **Remove Impeller Cap:** Detach the impeller cap.
4. **Remove Impeller:** Carefully pull out the impeller (rotor) assembly.
5. **Clean Components:** Use the provided cleaning brush and clean water to thoroughly clean all removed parts (pump cover, impeller cap, impeller) and the inside of the pump housing. Remove any hair, debris, or mineral deposits.
6. **Reassemble:** Reinsert the impeller, attach the impeller cap, and then replace the pump cover.
7. **Rinse:** Rinse the assembled pump under clean water before placing it back into the fountain.

Easy to Disassemble



Image 3: Step-by-step guide for cleaning the pump components.



Ultra Silent
($< 40\text{dB}$)



Image 4: Illustration of the pump's easy disassembly for maintenance.

7. TROUBLESHOOTING

• **Pump Not Working:**

- Ensure the USB plug is securely connected to a 5V/1A power source.
- Check if the power source (adapter, computer, power bank) is functioning correctly.
- Verify that the pump is fully submerged in water.
- Perform a thorough cleaning of the pump as described in the Maintenance section. Debris or hair can block the impeller.

• **Weak Water Flow:**

- Clean the pump thoroughly, paying attention to the impeller and water inlet.
- Ensure the water level in the fountain is adequate.
- Check for any kinks or blockages in the fountain's water tube.

• **Excessive Noise:**

- Ensure the pump is fully submerged and not touching the sides or bottom of the fountain in a way that causes vibration.

- Clean the pump, as debris around the impeller can cause noise.
- Check if the impeller is properly seated.



Image 5: The pump is designed for ultra-silent operation (below 40dB).

8. SPECIFICATIONS

Technical Specifications

Model Number	DR-DC160
Brand	Monsin
Power Source	Corded Electric
Voltage	DC 5V
Power Consumption	1.5W
Maximum Lifting Height	6 Feet (approx. 1.8 meters)
Product Dimensions (L x W x H)	1.8" x 1.7" x 1.8" (approx. 4.57cm x 4.32cm x 4.57cm)
Cable Length	6 ft (approx. 1.8 meters)
Material	BPA Free
Item Weight	4.16 Ounces (approx. 118 grams)

USB Plug for Various Applications

(Adapter is not included)



PC/Laptop



Power bank

Image 6: Detailed dimensions of the pump and cable length.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact Monsin customer service directly. Keep your purchase receipt for warranty claims.