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› TOPINCN DR-DC160 Cat Water Fountain Replacement Pump User Manual

TOPINCN DR-DC160

TOPINCN DR-DC160 Cat Water Fountain Replacement Pump User Manual

Model: DR-DC160

INTRODUCTION

This manual provides instructions for the installation, operation, maintenance, and troubleshooting of the TOPINCN DR-DC160 Cat Water Fountain Replacement Pump. Please read this manual thoroughly before use to ensure proper function and longevity of your pump.

PRODUCT OVERVIEW

The TOPINCN DR-DC160 is a compact and quiet submersible pump designed as a replacement for 2.4L USB LED cat water fountains. It features low power consumption and a long power cable for convenient placement.



Figure 1: The TOPINCN DR-DC160 replacement pump, showing its compact blue body, USB power cable, and water splashing from the outlet.

Key Features:

- **Compact and Safe Design:** Measuring approximately 1.65" x 1.57" x 1.77", the pump is lightweight and operates on a safe 5V low DC voltage. It is CE certified and IP68 rated.
- **Ultra-Quiet Operation:** Engineered for minimal noise, ensuring a peaceful environment for pets and owners.
- **Energy Efficient:** Consumes approximately 1.5 degrees of electricity per month.
- **Long Power Cable:** Equipped with a 5.9ft (180cm) power cord for flexible installation.
- **Easy Maintenance:** Designed for simple disassembly and cleaning to prolong its lifespan.



Figure 2: An image illustrating the ultra-quiet operation of the pump, with a baby and kitten sleeping peacefully nearby, emphasizing its low noise level.

SPECIFICATIONS

Model	DR-DC160 (Part Number: TOPINCNe9n0btrica985)
Brand	TOPINCN
Flow Rate	40 GPH (150 L/H)
Pump Power	5V DC
Cable Length	5.9 ft (180 cm)
Dimensions (L x W x H)	1.65" x 1.57" x 1.77" (approx. 4.2 cm x 4.0 cm x 4.5 cm)
Weight	4.9 ounces (approx. 138.86 grams)

Color	Blue
Power Source	Corded Electric (USB)
Certifications	CE, IP68
Compatibility	Designed for 2.4L USB LED cat water fountains.



Figure 3: A detailed view of the pump with its dimensions labeled: 1.7 inches, 1.6 inches, and 1.2 inches.

SETUP INSTRUCTIONS

1. **Unpack:** Carefully remove the pump from its packaging.
2. **Inspect:** Check the pump and power cable for any signs of damage. Do not use if damaged.
3. **Placement:** Position the pump inside your cat water fountain according to the fountain's specific design. Ensure the suction cups on the bottom of the pump firmly attach to the fountain's base to prevent movement.

4. **Connect:** Route the USB power cable out of the fountain and connect it to a compatible 5V USB power adapter (not included).
5. **Fill Fountain:** Fill the water fountain with clean water to the recommended level, ensuring the pump is fully submerged.
6. **Power On:** Plug the USB power adapter into an electrical outlet. The pump should begin operating, and water should start flowing.



Figure 4: The underside of the pump, highlighting the four powerful rubber suction cups designed for stable placement within the water fountain.



Figure 5: The pump with its 5.9ft (180cm) long power cord and USB connector, emphasizing its compact size and safety features.

OPERATING INSTRUCTIONS

Once properly installed and powered on, the TOPINCN DR-DC160 pump will continuously circulate water in your pet fountain. Ensure the water level in the fountain is always above the minimum required for the pump to operate effectively and prevent it from running dry.

- **Continuous Operation:** The pump is designed for continuous operation.
- **Water Level:** Regularly check and refill the water fountain to maintain an adequate water level. Running the pump dry can cause damage and reduce its lifespan.
- **LED Light:** If your fountain is equipped with an LED light, the pump includes a special LED design that integrates with compatible fountains.



**Suitable for 2.4 liter automatic
pet cat water fountain water
feeder**

Figure 6: A cat and a dog drinking from a pet water fountain, demonstrating the pump's function in providing circulating water for pets.

MAINTENANCE

Regular cleaning of the pump is crucial for its longevity and optimal performance. It is recommended to clean the pump every two weeks.

Cleaning Procedure:

1. **Disconnect Power:** Unplug the pump from the power source before attempting any cleaning.
2. **Remove Pump:** Take the pump out of the water fountain.
3. **Remove Pump Cover:** Gently remove the outer pump cover.
4. **Remove Impeller Cover:** Detach the impeller cover.
5. **Remove Impeller:** Carefully pull out the impeller.
6. **Clean Components:** Clean all removed parts (pump cover, impeller cover, impeller) thoroughly with mild soap and

warm water. Use a small brush (e.g., a toothbrush) to remove any debris, hair, or mineral deposits.

- 7. **Rinse:** Rinse all parts thoroughly with clean water to remove any soap residue.
- 8. **Reassemble:** Reassemble the pump by reversing the steps: insert the impeller, attach the impeller cover, and then secure the pump cover.
- 9. **Reinstall:** Place the cleaned pump back into the water fountain and reconnect the power.



Figure 7: An exploded diagram showing the components of the pump (pump cover, impeller cap, impeller, pump body, and special LED design) for easy disassembly and cleaning.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump not running	No power supply Impeller blocked Water level too low	Ensure USB adapter is plugged in and receiving power. Clean the pump and impeller as per maintenance instructions. Refill the fountain to the appropriate water level.

Problem	Possible Cause	Solution
Reduced water flow	Pump or impeller dirty Mineral buildup	Clean the pump and impeller thoroughly. Descale the pump using a vinegar solution if mineral buildup is severe.
Pump making unusual noise	Impeller obstructed Pump not fully submerged Air in the pump	Clean the impeller and pump. Ensure the water level is sufficient to fully submerge the pump. Gently shake the fountain or pump to release trapped air.

If problems persist after following these troubleshooting steps, please contact customer support.

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your original cat water fountain or contact TOPINCN customer service directly. Keep your purchase receipt as proof of purchase.

Manufacturer: TOPINCN

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