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> Aurethryon Rechargeable Electric Paddle Pump DM71J1 User Manual

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Model: DM71J1

INTRODUCTION

Thank you for choosing the Aurethryon Rechargeable Electric Paddle Pump. This portable air pump is designed for efficient inflation and deflation of various inflatables, including Stand-Up Paddleboards (SUPs), kayaks, rafts, boats, air mattresses, and pool floats. This manual provides essential information for safe and effective use, setup, operation, and maintenance of your pump.

PRODUCT OVERVIEW AND COMPONENTS

The Aurethryon Electric Paddle Pump is a compact and powerful device featuring a 13500 mAh rechargeable battery, a digital display, and multiple nozzles for versatility.



Image: Front view of the Aurethryon Electric Paddle Pump, showing the digital display, control buttons, and inflation/deflation ports.

Package Contents:

- Aurethryon Electric Paddle Pump
- Paddleboard hose
- 6 x Nozzle types
- 12V DC car connection cable
- USB-C charging cable
- Storage bag
- Nylon handle



Image: A selection of 6 different nozzles included with the pump, suitable for various inflatables such as paddleboards, kayaks, tents, air

SETUP

Charging the Pump:

Before first use, fully charge the pump's internal 13500 mAh Lithium-ion battery. Use the provided USB-C charging cable or the 12V DC car connection cable.

1. Connect the USB-C cable to the pump's charging port and to a compatible USB power adapter (not included) or a 12V DC car outlet using the provided adapter.
2. The LED display will indicate charging status. Ensure the pump is fully charged for optimal performance.

Attaching the Hose and Nozzle:

1. Identify the correct nozzle for your inflatable. The pump includes 6 different nozzle types.
2. Attach the paddleboard hose to the appropriate port on the pump. For inflation, use the "INFLATE" port. For deflation, use the "DEFLATE" port.
3. Securely attach the selected nozzle to the other end of the hose.

OPERATING INSTRUCTIONS

Inflation:



Image: Close-up of the pump's digital display, illustrating the "SET" pressure value, "REAL" time pressure reading, and battery indicator. Buttons for mode selection and pressure adjustment are visible.

1. Connect the hose with the appropriate nozzle to the "INFLATE" port on the pump and to the valve of your inflatable.
2. Power on the pump. The LED display will activate.
3. Use the '+' and '-' buttons to set your desired pressure (PSI). The pump supports up to 20 PSI.
4. Alternatively, use the 'M' button to select pre-set modes for common inflatables like SUPs, tents, or kayaks.
5. Press the power button to start inflation. The pump will operate in a two-stage process:
 - **Stage 1 (Quick-Fill):** High volume airflow (360 L/min) for rapid initial filling.
 - **Stage 2 (Smart Boost):** High-pressure airflow (100 L/min) to reach the target PSI with precision.
6. The display will show the real-time pressure. The pump will automatically stop once the set pressure is reached (accuracy of ± 0.1 PSI).
7. Disconnect the hose from the inflatable and the pump.



Image: The Aurethryon pump connected to a paddleboard, demonstrating its dual-stage inflation technology with quick-fill and smart boost stages for efficient inflation.

Deflation:

1. Connect the hose with the appropriate nozzle to the "DEFLATE" port on the pump and to the valve of your inflatable.
2. Power on the pump.

3. Press the power button to start deflation. The pump will quickly remove air from the inflatable.
4. Once deflated, disconnect the hose.

LED Camping Light:

The pump includes an integrated LED camping light. Press the light button (often indicated by a sun icon) to turn it on or off. This light can provide up to 90 hours of illumination on a full charge.

MAINTENANCE

- **Cleaning:** Wipe the pump's exterior with a soft, dry cloth. Do not use abrasive cleaners or immerse the pump in water.
- **Storage:** Store the pump and its accessories in the provided storage bag in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Care:** For optimal battery life, charge the pump fully before long-term storage and recharge it every 3-6 months if not in use.
- **Cooling System:** The pump features an active cooling system. Ensure the air vents are not obstructed during operation to prevent overheating. If inflating multiple items, allow the pump to cool down between uses as needed.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not turn on.	Low battery or no power.	Charge the pump using the USB-C cable or 12V DC car adapter. Ensure the power button is pressed firmly.
Pump inflates slowly or not to desired PSI.	Incorrect nozzle, hose leak, or target PSI too high for inflatable.	Ensure the correct nozzle is securely attached. Check hose connections for leaks. Verify the inflatable's maximum recommended pressure.
Pump overheats and shuts off.	Continuous operation for too long, especially in high temperatures.	Allow the pump to cool down for at least 15-20 minutes before resuming operation. Ensure air vents are clear.
Inaccurate pressure reading.	Sensor calibration issue or external factors.	Ensure the hose is properly connected and there are no leaks. If issues persist, contact customer support.

SPECIFICATIONS

- **Model Number:** DM71J1
- **Brand:** Aurethryon
- **Dimensions (L x W x H):** 14.99 x 7.62 x 16.99 cm (5.9 x 3.0 x 6.7 inches)
- **Weight:** 1.27 kg (2.8 lbs)
- **Material:** Acrylonitrile Butadiene Styrene (ABS)
- **Battery Type:** Lithium-ion (Li-ion)
- **Battery Capacity:** 13500 mAh
- **Maximum Pressure:** 20 PSI

- **Airflow Capacity (Quick-Fill Stage):** 360 Liters per minute
- **Airflow Capacity (Smart Boost Stage):** 100 Liters per minute
- **Working Temperature:** Up to 60°C (140°F)
- **Noise Level:** < 83 dB
- **Certifications:** FCC, CE, ROHS, UKCA, UN38.3
- **Included Components:** Pump, paddleboard hose, 6 nozzles, 12V DC car cable, USB-C charging cable, storage bag, nylon handle.



Image: The pump's robust design, featuring an ABS armor shell and premium motor, along with icons indicating FCC, CE, ROHS, UKCA, and UN38.3 certifications, and a working temperature up to 60°C.

SAFETY INFORMATION

- Do not operate the pump in wet conditions or immerse it in water.
- Keep out of reach of children.
- Do not point the inflation port at eyes or body parts during operation.
- Ensure proper ventilation during use to prevent overheating.
- Only use the provided cables and nozzles.
- Do not attempt to modify or disassemble the pump.
- Dispose of the battery according to local regulations.

WARRANTY AND SUPPORT

Specific warranty details are not provided in the product information. For warranty claims, technical support, or any questions regarding your Aurethryon Electric Paddle Pump, please contact the retailer or manufacturer directly through their official support channels.

