Spriek DN02

Spriek Smart Digital Display Nebulizer DN02 User Manual

Model: DN02

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of the Spriek Smart Digital Display Nebulizer, Model DN02. This device is intended for single-patient use by both adults and children for respiratory therapy.



Figure 1: Spriek Smart Digital Display Nebulizer DN02 with adult and child masks, mouthpiece, and air filters.

The Spriek DN02 nebulizer is designed to convert liquid medication into a fine mist for inhalation, allowing for efficient delivery to the respiratory system. Its digital display and quiet operation enhance user experience.

2. Product Components

The Spriek Smart Digital Display Nebulizer DN02 package includes the following components:



Figure 2: Packing list showing the nebulizer machine, adult and child masks, filters, tubing, cup, mouthpiece, and user manual.

- Nebulizer Machine (Model DN02)
- Adult Mask
- Child Mask
- Mouthpiece
- Air Tubing
- Medication Cup
- Air Filters (multiple)
- Power Cord
- User Manual



Figure 3: Detailed view of the nebulizer machine highlighting the power switch, air filter & cover, timing display, tube connector, timing switch, crescent-shaped groove, and air vents.

3. Setup and Assembly

Follow these steps to set up your Spriek Smart Digital Display Nebulizer DN02 before first use:

1. **Install Air Filter:** Locate the air filter cover on the side of the nebulizer machine. Insert a new air filter into the designated slot. Ensure it is securely in place.
2. **Connect Air Tubing:** Attach one end of the air tubing to the tube connector on the nebulizer machine.
3. **Prepare Medication Cup:** Open the medication cup and pour the prescribed medication liquid into it. Do not exceed the 8mL maximum fill line.
4. **Attach Medication Cup:** Connect the other end of the air tubing to the bottom of the medication cup.
5. **Attach Interface:** Securely attach either the adult mask, child mask, or mouthpiece to the top of the medication cup, depending on the user.
6. **Connect Power:** Plug the power cord into the nebulizer machine and then into a standard 120V/60Hz AC power outlet.



Figure 4: Visual guide for installing the air filter, connecting the conduit, adding medication liquid (not exceeding 8mL), tightening the nebulizer cup, touching the screen to power on, and turning on the main switch.

4. Operating Instructions

Once assembled, operate the nebulizer as follows:

1. **Power On:** Turn on the main power switch located on the side of the unit. Then, touch the power icon on the digital display to activate the device.
2. **Select Treatment Time:** The digital display allows for timing control. Press the timing switch to cycle through the available options: 10, 20, or 30 minutes. Select the duration prescribed by your healthcare professional.
3. **Begin Treatment:** Place the mask over the nose and mouth, or hold the mouthpiece between the teeth with lips sealed. Breathe normally and deeply during the treatment session. The nebulizer operates quietly, with noise levels controlled to ≤50dB.
4. **Monitor Treatment:** The digital display will show the remaining treatment time. The device will automatically shut off once the selected time has elapsed.
5. **End Treatment:** After the session, turn off the main power switch and unplug the device.



Figure 5: The digital display interface, illustrating the 3-speed adjustable timing feature for customized nebulization sessions.



Figure 6: Illustration of the three available nebulization modes: adult mask mode, and children's mask mode, ensuring suitability for various users.

The nebulizer produces fine particles, approximately 0.5-5µm in size, for effective delivery to the respiratory tract.

5. Maintenance and Cleaning

Regular cleaning and maintenance are crucial for the longevity and hygienic operation of your nebulizer.

5.1. Daily Cleaning

- After each use, disconnect the medication cup, mask/mouthpiece, and tubing from the main unit.
- Wash the medication cup, mask/mouthpiece, and tubing with warm water and mild detergent.
- Rinse thoroughly with clean water to remove all soap residue.
- Air dry all components completely on a clean surface before storing or next use.

5.2. Air Filter Replacement

- The air filter should be checked regularly and replaced when it appears discolored or every 30 days, whichever comes first.

- To replace, open the air filter cover, remove the old filter, and insert a new one.
- Only use filters provided by Spriek or approved replacements.

5.3. Main Unit Cleaning

- Wipe the exterior of the nebulizer machine with a clean, damp cloth.
- Do not immerse the main unit in water or any other liquid.
- Ensure no liquid enters the air vents or power switch.

6. Troubleshooting

If you encounter issues with your Spriek Smart Digital Display Nebulizer DN02, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No power	Power cord not securely plugged in; main switch off; power outlet malfunction.	Ensure power cord is firmly connected. Turn on the main power switch. Test the outlet with another device.
No mist or weak mist	Insufficient medication; medication cup not properly sealed; air tubing kinked or disconnected; clogged air filter.	Add prescribed medication. Ensure medication cup is tightly closed. Check air tubing for kinks or disconnections. Replace air filter if dirty.
Unusual noise	Device not on a flat surface; internal component issue.	Place the nebulizer on a stable, flat surface. If noise persists, contact customer support.

If the problem persists after attempting these solutions, please contact Spriek customer support for further assistance.

7. Specifications

Feature	Detail
Model Number	DN02
Brand	Spriek
Product Dimensions	10.98 x 9.53 x 4.69 inches
Weight	3.68 Pounds
Power Connection	120V/60Hz AC
Nebulized Particle Size	0.5-5µm
Noise Level	≤50dB
Timing Options	10, 20, 30 minutes



Figure 7: Illustration detailing the small nebulized particle size (2-5µm for Bronchus & Alveoli) and key product features including 1-year warranty, 7+ years service life, and 7*24 after-sales support.

8. Warranty and Support

The Spriek Smart Digital Display Nebulizer DN02 comes with a**1-year warranty** from the date of purchase, covering manufacturing defects and malfunctions under normal use. This warranty ensures the quality and reliability of your device.

For any questions, suggestions, or technical support regarding your product, please contact Spriek customer service. Our support team is available for 7*24 after-sales assistance.

Please refer to the contact information provided in the packaging or on the official Spriek website for the most up-to-date support channels.