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› LONGFIAN Portable Oxygen Concentrator Jay-1000p User Manual

## LONGFIAN Jay-1000p

# LONGFIAN Jay-1000p Portable Oxygen Concentrator User Manual

Model: Jay-1000p | Brand: LONGFIAN

## 1. INTRODUCTION

The LONGFIAN Jay-1000p is a portable pulse flow oxygen concentrator designed for individuals requiring supplemental oxygen, offering freedom and mobility. This compact and lightweight device ensures a continuous oxygen supply tailored to your breathing rhythm, making it ideal for travel, outdoor activities, and daily use.

Key features include:

- **Pulse Mode for Natural Breathing:** The Jay-1000p features a pulse mode that adapts to the user's breathing rhythm, ensuring continuous oxygen supply without causing breathing discomfort. This natural exchange of oxygen aligns with human breathing patterns for comfortable and effective oxygen delivery.
- **Portability and Lightweight Design:** Weighing only 1.98 kg (including a single battery) and with compact dimensions of 183 x 86 x 199 mm, this oxygen concentrator is perfectly suited for on-the-go use. Whether hiking, traveling, or in an emergency, the Jay-1000p is your reliable companion.
- **User-Friendliness:** The Jay-1000p boasts a user-friendly design with a large touchscreen and simple operation. The included external battery provides an operating time of up to 5.5 hours at a flow setting of 1.
- **Comfort and Reliability:** The product comes with a strong and comfortable shoulder bag for easy transport and protection.



*Figure 1.1: The compact LONGFIAN Jay-1000p Portable Oxygen Concentrator, designed for easy handling and mobility.*

## 2. IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before using the device. Failure to follow these safety guidelines could result in serious injury or damage to the device.

- **Medical Use Only:** This device is intended for medical use as prescribed by a physician. Do not alter oxygen settings without consulting your healthcare provider.
- **Fire Hazard:** Oxygen supports combustion. Keep the concentrator at least 2 meters (6.5 feet) away from heat sources, open flames, and flammable materials (e.g., cigarettes, candles, oil-based products). Do not smoke or allow others to smoke near the device.
- **Ventilation:** Ensure adequate ventilation around the device. Do not block air inlets or outlets. Operate the device in a well-ventilated area.
- **Electrical Safety:** Use only the provided power adapter and cables. Do not use the device if the power cord or plug is damaged. Avoid placing the device in water or operating it with wet hands.

- **Children and Pets:** Keep the device out of reach of children and pets to prevent accidental damage or misuse.
- **Transportation:** When transporting, ensure the device is securely packed to prevent damage. Use the provided shoulder bag for convenient and safe carrying.
- **Maintenance:** Perform regular maintenance as described in this manual. Do not attempt to repair the device yourself. Contact qualified service personnel for repairs.

## 3. SETUP AND INITIAL USE

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Follow these steps to set up your LONGFIAN Jay-1000p for the first time.

### 3.1 Unpacking the Device

1. Carefully remove all components from the packaging.
2. Verify that all items listed in the packing list are present: Oxygen Concentrator, Battery, AC Power Adapter, Car Charger, Shoulder Bag, Nasal Cannula, User Manual.
3. Inspect the device for any visible damage. If damaged, do not use and contact customer service.

### 3.2 Battery Installation and Charging

The device operates on a rechargeable lithium battery or directly from an AC/DC power source.

1. Locate the battery compartment on the device. The Jay-1000p features a push-pull battery design for easy installation and removal.
2. Insert the battery into the compartment, ensuring it clicks securely into place.
3. For initial use, fully charge the battery. Connect the AC power adapter to the device's charging port and plug it into a wall outlet. The battery indicator on the display will show charging status.
4. Alternatively, use the car charger to charge the device while in a vehicle by plugging it into the cigarette lighter socket.



Figure 3.1: The device's control panel showing battery status and flow settings, along with illustrations of lithium battery operation, car charging, and household power supply options.

### 3.3 Connecting the Nasal Cannula

1. Connect one end of the nasal cannula to the oxygen outlet port on the top of the concentrator. Ensure a secure fit. The oxygen outlet features a mushroom-head design to prevent accidental disconnections.
2. Place the nasal prongs into your nostrils and loop the tubing over your ears to secure it.

## 4. OPERATING THE DEVICE

The Jay-1000p is designed for simple, one-touch operation.

### 4.1 Powering On/Off

- To power on, press and hold the "ON/OFF" button (usually marked with a power symbol) on the control panel for a few seconds until the display illuminates.
- To power off, press and hold the "ON/OFF" button again until the display turns off.

## 4.2 Adjusting Oxygen Flow Settings

The device offers pulse flow settings from 1 to 5. Your physician will prescribe the appropriate setting for your needs.

- Use the "+" and "-" buttons on the control panel to increase or decrease the oxygen flow setting.
- The current flow setting will be displayed prominently on the large, high-resolution screen.



Figure 4.1: The device's display indicating stable oxygen concentration at approximately 93%, with a chart illustrating concentration levels across different flow settings (1-5).

## 4.3 Understanding the Display

The large touchscreen display provides real-time information:

- **Battery Indicator:** Shows the remaining battery charge.
- **Flow Setting:** Displays the current oxygen flow setting (1-5).
- **Oxygen Concentration:** Indicates the purity of the oxygen being delivered (typically around 93%).
- **Operating Hours:** Shows the total accumulated operating time of the device.

## 5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your oxygen concentrator.

### 5.1 Cleaning the Device

- Wipe the exterior of the device with a soft, damp cloth. Use a mild, non-abrasive cleaner if necessary.
- Do not allow liquids to enter the device.
- Clean the nasal cannula regularly according to its manufacturer's instructions. Replace the cannula as recommended by your healthcare provider.

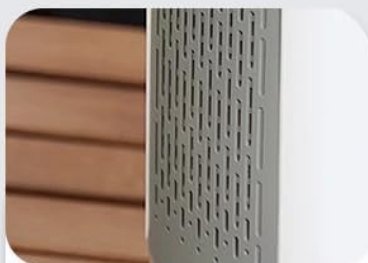
### 5.2 Filter Maintenance

The Jay-1000p is equipped with durable metal filters that require periodic cleaning.

1. Locate the air intake filter(s) on the device.
2. Remove the filter(s) and clean them with warm, soapy water. Rinse thoroughly and allow them to air dry completely before reinserting.
3. Inspect filters for wear or damage. Replace if necessary.

## DURCHDACHTES DESIGN

Stabile und effiziente Sauerstoffzufuhr, lange Lebensdauer, geräuscharm, langlebig, umweltfreundlich, keine Verunreinigung des Sauerstoffs durch "Öl".



#### LANGLEBIGE METALLFILTER

Nachreinigbar Säure- und laugenbeständig  
Hochtemperaturbeständig



#### BATTERIE PUSH-PULL-DESIGN

Einfache Demontage mit einem Tastendruck, auch für ältere Menschen leicht zu bedienen



#### SAUERSTOFFAUSLASS MIT PILZKOPFDESIGN

Verhindert oxidative Risse und das Abrutschen von Sauerstoffschläuchen



#### WINKELLOSES GEHÄUSEDESIGN

Einteilige, offene Formgebung, schön und leicht zu tragen



#### GROßES HOCHAUFLÖSENDES DISPLAY

Echtzeitanzeige von Leistungsniveau und Sauerstoffkonzentration

Figure 5.1: Thoughtful design elements of the concentrator, including the durable metal filter, push-pull battery design, mushroom-head oxygen outlet, angled housing, and large high-resolution display.

## 6. TROUBLESHOOTING

If you encounter issues with your device, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Device does not turn on.	Battery is depleted or not installed correctly; Power adapter not connected.	Charge the battery or connect the AC power adapter. Ensure battery is securely installed.
Low oxygen flow.	Nasal cannula kinked or blocked; Air filters are dirty.	Check and straighten the cannula. Clean or replace air filters.
Device making unusual noise.	Blocked air intake/outlet; Internal component issue.	Ensure air vents are clear. If noise persists, contact customer service.
Display not working.	Device off; Software glitch.	Ensure device is powered on. Try restarting the device. If issue persists, contact customer service.

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

## 7. SPECIFICATIONS

Detailed technical specifications for the LONGFIAN Jay-1000p Portable Oxygen Concentrator.

- **Model:** Jay-1000p
- **Oxygen Flow:** Pulse flow, settings 1-5
- **Oxygen Concentration:** 93%  $\pm$  3%
- **Weight:** 1.98 kg (including one battery)
- **Dimensions (L x W x H):** 183 x 86 x 199 mm
- **Battery Life:** Up to 5.5 hours (at flow setting 1 with external battery)
- **Power Options:** Lithium battery, AC power (household), DC power (car charger)
- **Noise Level:** Not specified, but designed for quiet operation.



Figure 7.1: The Jay-1000p in its comfortable shoulder bag, highlighting its portability and lightweight design (1.98 kg total weight).

## 8. WARRANTY AND SUPPORT

LONGFIAN is committed to providing high-quality products and excellent customer service.

- **Warranty:** The LONGFIAN Jay-1000p comes with a 1-year warranty from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.
- **Customer Service:** For technical support, troubleshooting assistance, or warranty inquiries, please contact LONGFIAN customer service. Refer to the product packaging or the official LONGFIAN website for contact details.

