

ZJchao JN12

ZJchao Janoel 12 Automatic Egg Incubator User Manual

Model: JN12

[Overview](#) [Setup](#) [Introduction](#) [Safety Instructions](#) [Product](#)
[Operation](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#)

1. INTRODUCTION

Thank you for choosing the ZJchao Janoel 12 Automatic Egg Incubator. This device is designed to provide a controlled environment for hatching various types of eggs, including chicken and quail eggs. It features automatic temperature control and an egg-turning mechanism to optimize hatching success. Please read this manual thoroughly before operating the incubator to ensure proper use and care.

2. SAFETY INSTRUCTIONS

- Always connect the incubator to a grounded power outlet.
- Do not immerse the incubator in water or any other liquid.
- Keep the incubator away from direct sunlight, drafts, and extreme temperature fluctuations.
- Ensure proper ventilation around the incubator.
- Unplug the incubator from the power source before cleaning or performing any maintenance.
- Keep out of reach of children and pets.
- Handle eggs and newly hatched chicks with care and proper hygiene.

3. PRODUCT OVERVIEW

The ZJchao Janoel 12 incubator consists of a main housing, a transparent lid, a control panel with a digital display, an automatic egg turning mechanism, and a water channel for humidity control.



Image 1: The ZJchao Janoel 12 Automatic Egg Incubator. This image shows the overall design of the incubator, including its transparent lid and compact form factor.

The control panel allows you to set and monitor the temperature. The egg turning mechanism gently rolls the eggs to ensure even heating and development. Water is added to channels at the bottom of the unit to maintain the required humidity levels.

4. SETUP

4.1 Unpacking and Placement

- Carefully remove all components from the packaging. Retain the packaging for future storage.
- Place the incubator on a stable, level surface in a room with a consistent ambient temperature (ideally between 20-25°C or 68-77°F). Avoid areas with drafts, direct sunlight, or significant temperature fluctuations.

4.2 Assembly

- **Egg Turning Rod:** Locate the egg turning rod and attach it to the turning mechanism as instructed in the included diagram. Ensure it is securely fastened. There are often two positions for the rod to adjust the turning range; select the appropriate one for your egg size.
- **Egg Trays:** Place the egg trays onto the turning mechanism.

4.3 Initial Power-On and Calibration

- Connect the power cord to the incubator and then to a suitable electrical outlet. The display will light up.
- Allow the incubator to run for at least 2-3 hours without eggs to stabilize the internal temperature.
- It is highly recommended to use an external, calibrated thermometer and hygrometer inside the incubator to verify the readings. Place them near the center of the egg tray.
- If there is a significant difference between the incubator's display and your external thermometer, you may need to adjust the calibration setting (often labeled 'CA' or similar) in the incubator's menu. Refer to the control panel section for specific instructions on accessing and adjusting this setting. Make small adjustments and allow time for the temperature to stabilize before re-checking.

5. OPERATING INSTRUCTIONS

5.1 Setting Temperature and Humidity

- **Temperature:** The default temperature setting is typically around 38°C (100.4°F) for chicken eggs. Consult specific guidelines for other poultry types. Use the '+' and '-' buttons on the control panel to adjust the desired temperature. Press 'SET' to confirm.
- **Humidity:** Humidity is controlled by adding water to the channels at the bottom of the incubator. For the first 18 days of incubation (for chicken eggs), fill one or two channels with warm water (around 37°C or 98.6°F). Use a syringe or small bottle to add water through the designated hole without opening the lid, if possible. Maintain humidity levels between 40-60%. An external hygrometer is crucial for accurate monitoring.

5.2 Placing Eggs

- Ensure eggs are clean and free from cracks. For best results, use fresh, fertile eggs.
- Carefully place the eggs into the egg trays. The Janoel 12 uses a rolling mechanism, so eggs are placed horizontally. The incubator can hold 9-12 chicken eggs, but for optimal air circulation and turning, some users recommend incubating 6-9 chicken eggs at a time.
- Close the lid securely.

5.3 Automatic Egg Turning

The incubator's automatic turning mechanism will gently roll the eggs at regular intervals (e.g., every 2 hours). This prevents the embryo from sticking to the shell and promotes healthy development. This rolling action is distinct from tilting mechanisms found in other incubators and is designed to be gentle.

5.4 Monitoring and Candling

- Regularly check the temperature and humidity levels using the incubator's display and your external instruments. Adjust water levels as needed.
- **Candling:** Around day 7-10, you can candle the eggs to check for fertility and embryo development. Remove infertile or non-developing eggs to prevent contamination.

5.5 Hatching Phase (Lockdown)

- Approximately 3 days before the expected hatch date (e.g., day 18 for chicken eggs), enter the 'lockdown' phase.
- **Remove the Egg Turning Mechanism:** Disconnect and remove the egg turning rod and the egg trays. This provides space for the chicks to hatch and prevents injury.
- **Increase Humidity:** Increase the humidity to 65-75% by filling more water channels or adding wet sponges to the bottom of the incubator. High humidity is crucial for chicks to break through the shell.
- **Do Not Open:** Avoid opening the incubator during hatching as this can cause a sudden drop in temperature and humidity, which can be detrimental to the chicks.
- Once hatched, allow chicks to remain in the incubator for 12-24 hours to dry and strengthen before moving them to a brooder.

6. MAINTENANCE

6.1 Cleaning

- After each hatch, unplug the incubator and allow it to cool.
- Remove all egg debris, membranes, and unhatched eggs.
- Clean all surfaces with a mild disinfectant solution (e.g., diluted bleach or an incubator-specific cleaner). Wipe thoroughly and allow to air dry completely.
- Ensure no water enters the electrical components.

6.2 Storage

- Store the clean, dry incubator in its original packaging in a cool, dry place, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Temperature fluctuates significantly or is inaccurate.	Poor room temperature stability, faulty sensor, incorrect calibration.	Ensure stable room temperature. Verify with external thermometer. Adjust calibration ('CA' setting) if necessary. Contact support if problem persists.
Humidity too low.	Insufficient water in channels, dry ambient air, lid not sealed properly.	Add more warm water to channels. Consider adding wet sponges during lockdown. Ensure lid is securely closed.
Humidity too high.	Too much water, high ambient humidity.	Reduce water in channels. Ensure proper ventilation in the room.
Eggs not turning.	Turning rod not installed correctly, motor malfunction.	Check turning rod assembly. Ensure power is connected. If motor is faulty, contact support.
Poor hatch rate or deformed chicks.	Incorrect temperature/humidity, infertile eggs, poor egg quality, lack of turning, opening incubator during hatch.	Review temperature and humidity settings. Use fresh, fertile eggs. Ensure turning mechanism is active (until lockdown). Avoid opening during hatching.

8. SPECIFICATIONS

- **Model:** JN12
- **Brand:** ZJchao
- **Capacity:** 9-12 Chicken Eggs (or equivalent smaller eggs like Quail eggs)
- **Power Supply:** AC 220-240V (typical for EU market, verify local voltage)
- **Temperature Control Range:** Typically 20°C - 40°C (68°F - 104°F)
- **Temperature Accuracy:** ±0.1°C
- **Automatic Egg Turning:** Yes, rolling mechanism
- **Humidity Control:** Manual water addition via channels
- **Display:** Digital LED

9. WARRANTY AND SUPPORT

Information regarding specific warranty terms and customer support contacts is not available in the provided product data. Please refer to your purchase documentation or contact your retailer for details on warranty coverage and technical assistance.

© 2026 ZJchao. All rights reserved.