

HIRALIY HR-HE-001

HIRALIY 24-Egg Automatic Incubator Instruction Manual

Model: HR-HE-001

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1. INTRODUCTION

Thank you for choosing the HIRALIY 24-Egg Automatic Incubator. This device is designed to provide an optimal environment for hatching various types of poultry eggs, including chicken, duck, quail, and goose. It features intelligent temperature and humidity control, automatic egg turning, and an integrated egg candler to maximize hatching success. Please read this manual thoroughly before use to ensure proper operation and maintenance.

2. SAFETY INSTRUCTIONS

- Always connect the incubator to a grounded power outlet.
- Do not immerse the incubator or its electrical components in water or other liquids.
- 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. The incubator features a child-safe locking lid.
- Do not attempt to modify or repair the incubator yourself. Contact customer support for assistance.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- HIRALIY 24-Egg Automatic Incubator (Model: HR-HE-001)
- Adjustable Egg Dividers
- Power Adapter
- 2 x Water Bottles (for external water filling)

- Hatching Guide (separate document, if included)

4. PRODUCT FEATURES

- **Automatic Egg Turning:** Gently rotates eggs every 60, 120, or 180 minutes to mimic natural hen behavior. Stops automatically 3-4 days before hatching.
- **Adjustable Divider Design:** Flexible dividers accommodate various egg sizes, allowing incubation of up to 24 chicken eggs, 18 duck eggs, 8 goose eggs, or 48 quail/pigeon eggs.
- **Precise Temperature & Humidity Control:** Advanced PID technology maintains stable conditions ($100^{\circ}\text{F} \pm 0.5^{\circ}\text{F}$ temperature, 55-65% humidity). Features 360° airflow and over-temperature protection.
- **External Water Filling System:** Refill water from outside without opening the lid, preventing temperature and humidity drops. Dual 250ml external water tanks reduce refill frequency.
- **Integrated Egg Candler & Clear View:** Built-in LED light allows monitoring of embryo development. The 360° transparent cover provides a real-time view of the incubation process.
- **Easy-to-Use Digital Display:** LCD shows temperature, humidity, incubation days, and egg countdown. Audible alerts for low water or abnormal conditions.
- **Easy to Clean:** Features removable stainless steel trays and washable parts for simple cleaning.

5. SETUP GUIDE

5.1 Placement

Place the incubator on a stable, level surface in a room with a consistent ambient temperature (ideally between 68°F - 104°F or 20°C - 40°C). Avoid areas with direct sunlight, drafts, or significant temperature fluctuations. If ambient temperature is below 68°F , consider adding foam insulation for better warmth.

5.2 Water Filling System

The incubator uses an external water filling system to maintain humidity. Fill the provided water bottles with distilled or demineralized water. During the first 18 days of incubation, use Port A to fill the water channel. For the last 4 days (lockdown period), use both Port A and Port B to increase humidity.

HASSLE-FREE WATERING

✓ Auto Refilling System

1

The First 18 Days
Use Port A



Air Vent Control
Visible automatic water refill

Image: External water filling system. Port A is used for the first 18 days, and both Port A and B are used for the last 4 days to increase humidity. Features visible automatic water refill and air vent control.

5.3 Egg Placement

Arrange the adjustable dividers to fit your eggs. Place the eggs gently into the designated slots. The incubator can hold:

- 24 Chicken Eggs
- 18 Duck Eggs
- 8 Goose Eggs
- 48 Quail Eggs
- 48 Pigeon Eggs

FOR EVERY HATCHING NEED

SMART FIT FOR EVERY EGG

Watch Life Begin, No Matter the Size



24 Chicken
Eggs



18 Duck
Eggs



8 Goose
Eggs



48 Quail
Eggs



48 Pigeon
Eggs



Image: The incubator tray with adjustable dividers, demonstrating capacity for different egg types such as chicken, duck, goose, quail, and pigeon eggs.

5.4 Power Connection

Connect the power adapter to the incubator and then plug it into a suitable electrical outlet. The digital display will illuminate.

6. OPERATION

6.1 Initial Settings & Monitoring

Upon powering on, the incubator will display the current temperature and humidity. The default temperature is set to 100°F (37.8°C) and humidity to 55-65%. These settings are generally suitable for most poultry eggs. The incubator will automatically begin regulating these conditions.

SMART INCUBATION CONTROL

Temp & Humidity Dual Display (°F)

40%

Lower than



Temp Alert

±2°F

Deviations



Humidity Alert

81 00.4°F | 55%
Day 02 | 01:20 Min



Image: Digital display showing smart incubation control with temperature and humidity readings, incubation day, and egg turning countdown. Alerts for temperature and humidity deviations are also indicated.

6.2 Temperature and Airflow

The incubator utilizes a 360° airflow system to ensure uniform temperature distribution, eliminating hot and cold spots. The PID technology maintains the set temperature with high precision.

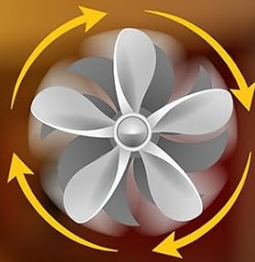
TEMP-CONTROL AIRFLOW



Warm Air Flow



Cold Air Flow



Streamlined
fan flow



Adjustable range: 68°F-104°F

For temps under 68°F, add foam for better warmth.

Image: Diagram illustrating the temperature-controlled airflow within the incubator, showing streamlined fan flow and distribution of warm and cold air to maintain an adjustable temperature range of 68°F-104°F.

6.3 Automatic Egg Turning

The automatic egg turning mechanism will activate at preset intervals (60/120/180 minutes). This process is crucial for embryo development. The turning will automatically cease 3-4 days before the expected hatch date to allow the chicks to position themselves for hatching.

6.4 Using the Integrated Egg Candler

The built-in LED egg candler allows you to observe the embryo's development without disturbing the incubation process. Simply press the candler button (refer to the control panel diagram in the quick start guide) and place an egg over the light to view its contents. This is typically done on days 5-7, 8-14, and 15-18 to check viability.

ONE-TOUCH EGG CANDLER

See Life Growing Inside



Image: Two children observing an egg being candled on the incubator, showing the progression of embryo development from Day 1-4 to Day 19-21.

6.5 Incubation Schedule Overview

Typical incubation periods vary by species:

- **Chicken Eggs:** Approximately 21 days
- **Duck Eggs:** Approximately 28 days (Muscovy ducks 35 days)
- **Quail Eggs:** Approximately 17-18 days
- **Goose Eggs:** Approximately 28-32 days

Always refer to specific guidelines for the type of eggs you are incubating.

7. MAINTENANCE AND CLEANING

Regular cleaning is essential to prevent bacterial growth and ensure optimal hatching conditions for future use.

7.1 Cleaning Instructions

- **Unplug:** Always unplug the incubator from the power source before cleaning.
- **Disassemble:** The incubator features detachable components, including the egg trays and water channels, for easy cleaning.
- **Washable Parts:** Wash removable parts with mild soap and warm water. Rinse thoroughly and allow them to air dry completely before reassembly.
- **Wipe Down:** Wipe the interior and exterior surfaces of the incubator with a damp cloth. Avoid using abrasive cleaners or harsh chemicals.
- **Sanitize:** For thorough sanitation, you may use a diluted disinfectant solution on all surfaces, ensuring it is safe for plastics and electronics, and rinse well.



Image: The incubator's detachable components, including the egg tray, being washed under a faucet, highlighting the ease of cleaning and maintenance.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Temperature fluctuations / Not holding steady temp	Incubator placed in a drafty area; ambient temperature too low or unstable; sensor issue.	Relocate incubator to a stable environment. Ensure room temperature is consistent. Check for error codes on display. If ambient temperature is low, add insulation.
Humidity too low	Insufficient water in channels; water ports not used correctly; dry ambient air.	Ensure water bottles are full and correctly inserted. Use both Port A and B during lockdown. Consider placing a small, shallow dish of water near the incubator (outside) if ambient air is very dry.
Eggs not turning	Egg turning mechanism disabled; power interruption; eggs improperly placed.	Check if the automatic turning function is active (it stops 3-4 days before hatch). Ensure power is stable. Verify eggs are correctly seated in dividers.
Audible alerts (Temp/Humidity)	Temperature or humidity outside set parameters; low water level.	Check display for specific alert. Adjust water levels as needed. Verify incubator placement and ambient conditions.
Poor hatch rates	Incorrect temperature/humidity; infertile eggs; improper egg handling; turning issues.	Review temperature and humidity settings. Ensure eggs are fertile and handled correctly before incubation. Verify egg turning is functioning.

9. SPECIFICATIONS

- **Model:** HR-HE-001
- **Manufacturer:** HIRALIY
- **Egg Capacity:** 24 Chicken Eggs / 18 Duck Eggs / 8 Goose Eggs / 48 Quail Eggs / 48 Pigeon Eggs
- **Temperature Control:** PID Technology, 100°F ± 0.5°F (37.8°C ± 0.3°C)
- **Humidity Range:** 55-65%
- **Egg Turning:** Automatic, adjustable intervals (60/120/180 minutes)
- **Display:** Digital LCD (Temperature, Humidity, Incubation Days, Egg Countdown)
- **Water Filling:** External System with dual 250ml tanks
- **Material:** Food-grade ABS
- **Dimensions:** Approximately 47.9 x 32.59 x 18.59 cm (18.86 x 12.83 x 7.32 inches)
- **Weight:** Approximately 2.42 kg (5.34 lbs)
- **Power Source:** AC Adapter (included)

10. WARRANTY AND SUPPORT

The HIRALIY 24-Egg Automatic Incubator (Model HR-HE-001) is backed by a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper maintenance.

For warranty claims, technical assistance, or any questions regarding your incubator, please contact HIRALIY customer support. We offer **lifetime support** to ensure your satisfaction and successful hatching experience.

Please retain your proof of purchase for warranty validation.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question