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IBKINXX IBK-18EGG

IBKINXX IBK-18EGG Incubator Instruction Manual

18 Egg Capacity Automatic Incubator for Chicken, Duck, and Quail Eggs

1. Introduction

Thank you for choosing the IBKINXX IBK-18EGG Automatic Egg Incubator. This device is designed to provide optimal conditions for hatching various types of poultry eggs, including chicken, duck, and quail. Featuring automatic egg turning, precise temperature and humidity control, and a 360° transparent viewing design, this incubator simplifies the hatching process. Please read this manual thoroughly before operation to ensure successful hatching and proper care of your incubator.

2. Safety Instructions

- Always place the incubator on a stable, level surface away from direct sunlight, drafts, or extreme temperature fluctuations.
- Ensure the power supply matches the voltage requirements of the incubator.
- Do not immerse the incubator's electrical components in water or any other liquid.
- Keep the incubator out of reach of children and pets.
- Unplug the incubator from the power outlet before cleaning or performing any maintenance.
- Avoid opening the incubator frequently during incubation to maintain stable internal conditions.

3. Product Components

The IBKINXX IBK-18EGG incubator comes with the following components:

- Main Incubator Unit (Top Cover, Transparent Cover, Base)
- Egg Turning Mechanism (Small Gear, Big Gear)
- Egg Trays (Small Egg Tray, Big Egg Tray)
- Water Bottles (x2)
- Adapters (x2)
- Grid
- Power Adapter

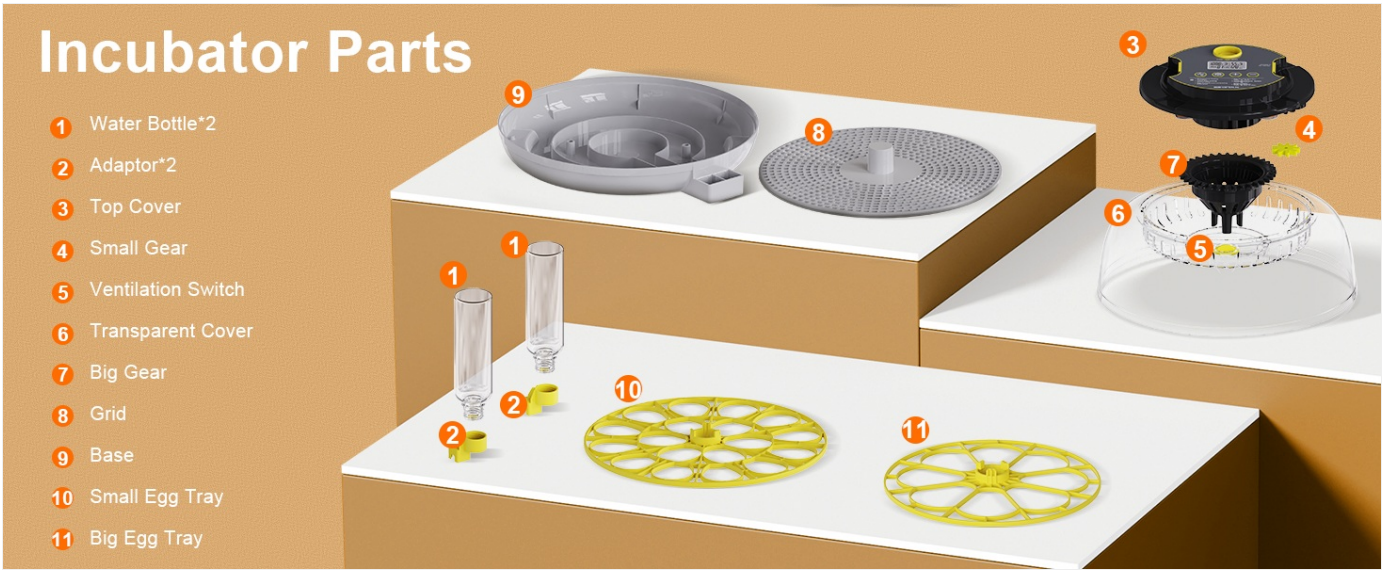


Figure 3.1: Incubator Parts Diagram

4. Setup Guide

Follow these steps to set up your IBKINXX incubator:

1. **Step 1: Place Fertilized Eggs.** Carefully arrange fertilized eggs on the appropriate egg tray (small or big, depending on egg size). Ensure eggs are clean and free from cracks.
2. **Step 2: Connect Water.** Fill the provided water bottles with distilled water. Connect the adapters and attach them to the external water refill ports on the incubator. This system allows for stable humidity without opening the unit.
3. **Step 3: Set Incubation Conditions.** Plug in the incubator. Use the control panel to set the desired temperature and egg turning interval. The default temperature is 100.4°F (adjustable range: 68-104°F). The default egg turning interval is 120 minutes (adjustable to 60, 120, or 180 minutes). Refer to Section 5 for detailed operating instructions.
4. **Step 4: Wait to Hatch.** Once settings are confirmed, the incubator will begin operation. Monitor the temperature and humidity levels regularly.



Figure 4.1: Easy Operation Steps

5. Operating Instructions

5.1. Control Panel Overview

The LED display screen shows current temperature and humidity. Buttons allow for setting adjustments.

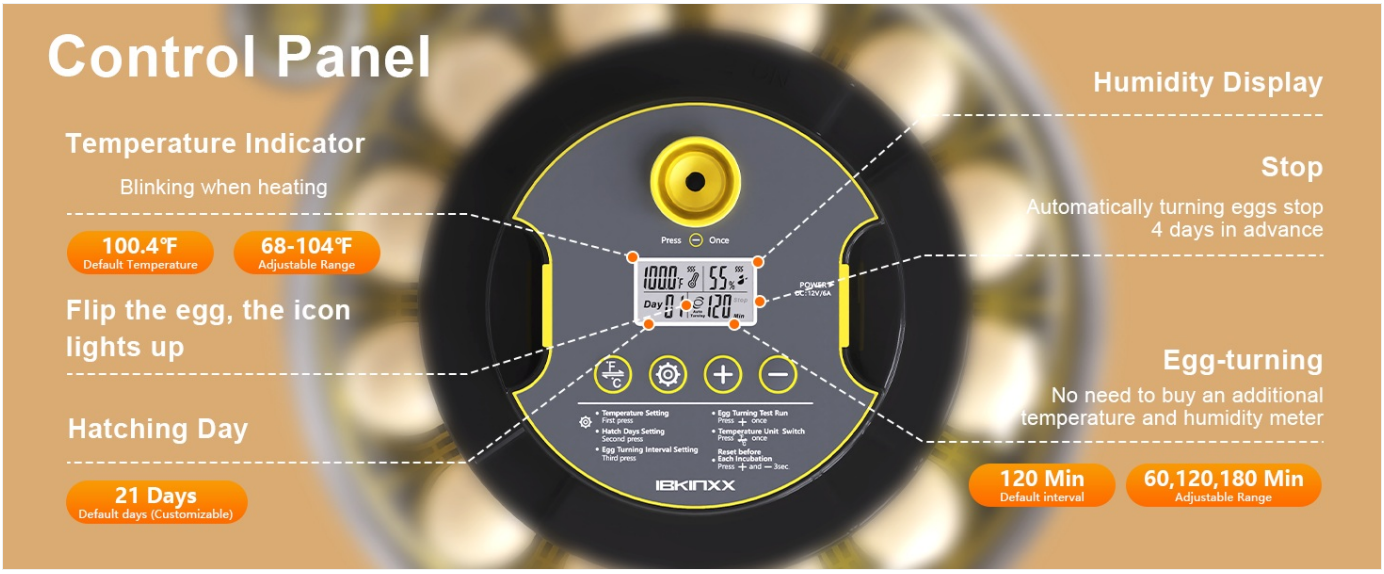


Figure 5.1: Control Panel Features

5.2. Temperature and Humidity Control

- The LED display shows the current temperature in Fahrenheit. The default temperature is 100.4°F, with an adjustable range of 68-104°F.
- Humidity is maintained by the external water refill system. Ensure water bottles are always filled. The display shows current humidity levels.
- An alarm will sound if the temperature deviates by more than 2°F from the set point.

5.3. Automatic Egg Turning

- The incubator automatically turns eggs to mimic natural conditions, promoting even development.
- Adjustable turning intervals: 60, 120, or 180 minutes. The default is 120 minutes.
- The system automatically stops turning eggs three days before the expected hatch date to prepare for hatching.

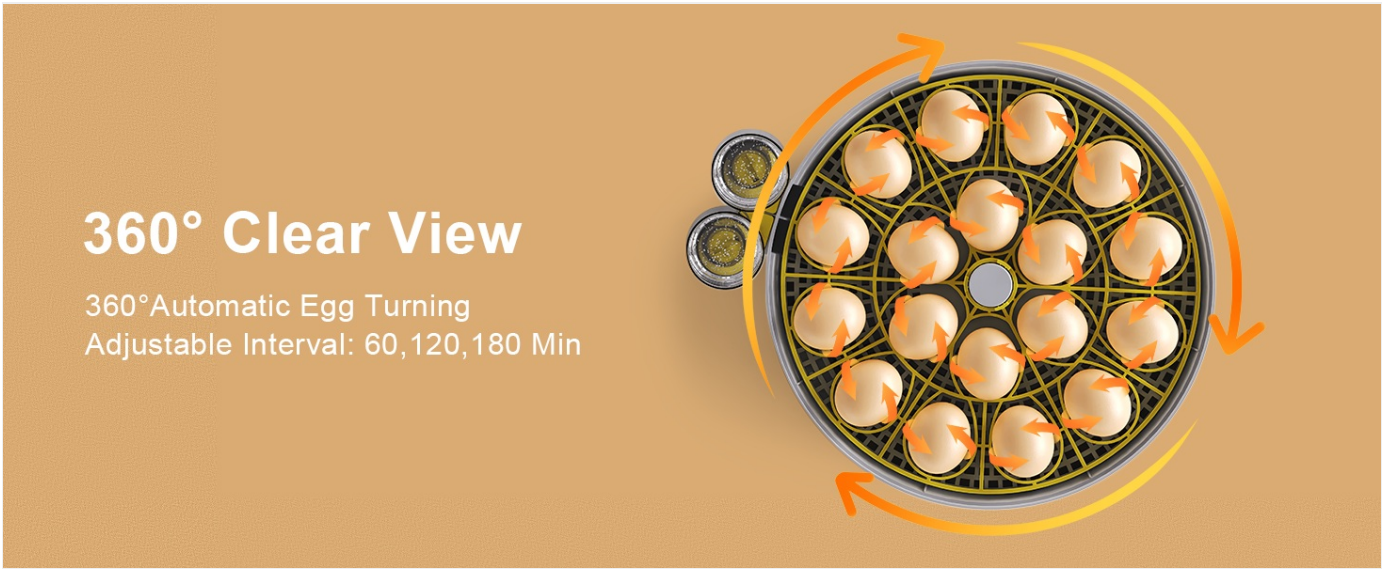


Figure 5.2: 360° Clear View and Automatic Egg Turning

5.4. Egg Candling

- A built-in candling feature allows you to observe embryo development without disturbing the eggs.
- Use the candler to check for fertilization around days 5-6, inspect embryo development around days 11-12, and look for developed embryos or signs of stillbirth around days 16-17.



Figure 5.3: Egg Candling Feature

5.5. Airflow System

The incubator utilizes a fan-assisted induced airflow system to ensure constant and even temperature distribution throughout the incubation chamber, preventing hot or cold spots.



Figure 5.4: Fan-Assisted Airflow System

6. Incubation Guidelines

The following table provides general incubation conditions and times for common poultry eggs. These are approximate values and may vary slightly depending on specific breeds and environmental factors.

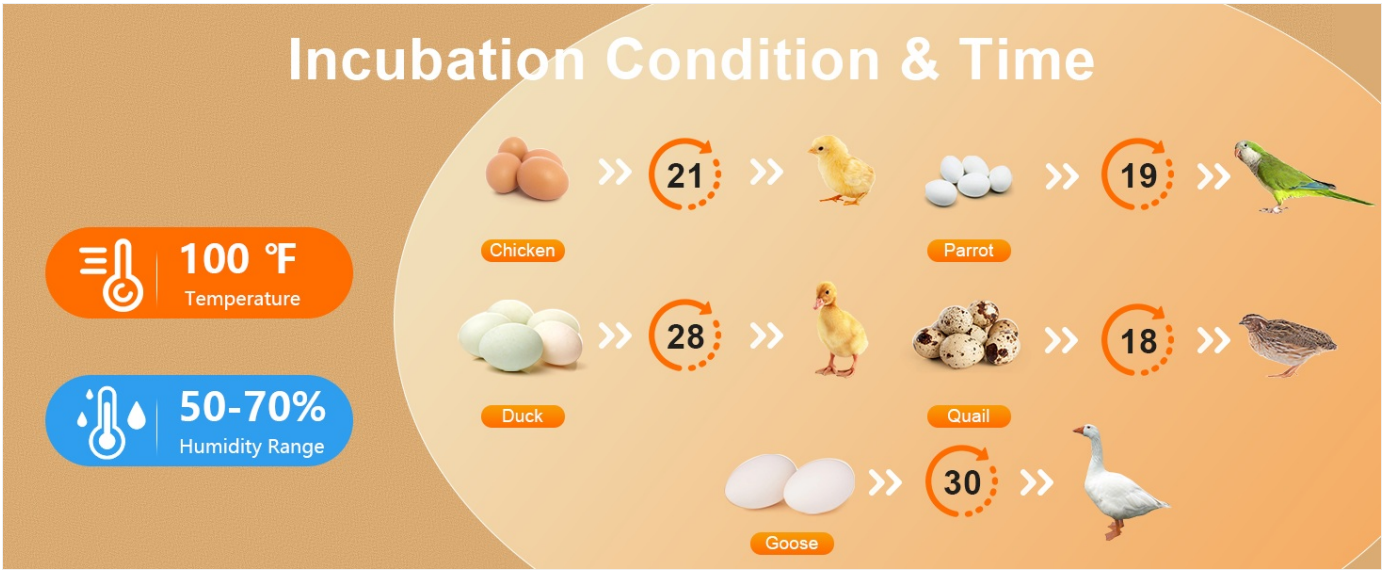


Figure 6.1: Incubation Condition & Time

Recommended Incubation Parameters

Egg Type	Temperature	Humidity Range	Incubation Days
Chicken	100°F (37.8°C)	50-70%	21 days
Duck	100°F (37.8°C)	50-70%	28 days
Quail	100°F (37.8°C)	50-70%	18 days
Parrot	100°F (37.8°C)	50-70%	19 days
Goose	100°F (37.8°C)	50-70%	30 days

7. Maintenance and Cleaning

Regular cleaning ensures optimal performance and hygiene for your incubator.

1. **Disassembly:** Unplug the incubator. Carefully remove the top cover, transparent cover, and egg trays. The ventilation system's upper cover can be easily opened.
2. **Cleaning:** The lower tray and egg trays can be rinsed with clean water. Wipe down the top cover and transparent cover with a damp cloth.
3. **Drying:** Ensure all parts are completely dry before reassembling the incubator.
4. **Important:** To avoid damage to parts, **do not wash any electrical components in a machine or immerse them in water.**



Figure 7.1: Easy Disassembly & Cleaning

8. Troubleshooting

If you encounter issues with your incubator, refer to the following common problems and solutions:

Common Troubleshooting

Problem	Possible Cause	Solution
Temperature fluctuations	Incubator placed in a drafty area or near a heat source; lid not properly sealed.	Relocate the incubator to a stable environment. Ensure the lid is securely closed.
Humidity too low	Water bottles empty; incubator not on a level surface affecting water flow.	Refill water bottles. Ensure the incubator is on a perfectly level surface for proper water distribution.
Eggs not turning	Egg turning function disabled; mechanism jammed.	Check control panel settings to ensure automatic turning is active. Inspect the turning mechanism for obstructions. Note that turning stops 3 days before hatching.
Candling light not working	Bright ambient light interfering.	Perform candling in a dimly lit room or cover the blue indicator light on the control panel if it's too bright.
Poor hatch rate	Incorrect temperature/humidity; infertile eggs; improper egg handling.	Verify temperature and humidity settings. Ensure eggs are fertile and handled correctly before and during incubation.
Incubator beeps and lights flash	Power interruption or internal error.	Unplug the unit, wait a few minutes, then plug it back in. If the issue persists, contact customer support.

9. Specifications

Feature	Detail
Model Number	IBK-18EGG

Feature	Detail
Capacity	18 Eggs (Chicken, Duck, Quail)
Material	Acrylonitrile Butadiene Styrene (ABS)
Product Dimensions	11"L x 6"W x 12"H
Item Weight	4 Pounds
Temperature Control	Automatic, LED display, 68-104°F adjustable range
Humidity Control	External water refill system
Egg Turning	Automatic, adjustable intervals (60, 120, 180 min)
Viewing	360° Transparent View
Special Features	Built-in Egg Candler, Fan-Assisted Airflow
Included Components	Cover, Removable Tray, Water Bottle (x2)

10. Warranty and Support

The IBKINXX IBK-18EGG Incubator comes with a **2-Year Manufacturer's Warranty**. This warranty covers defects in materials and workmanship under normal use.
For technical support, warranty claims, or any questions regarding your incubator, please contact IBKINXX customer service through the retailer where you purchased the product or visit the official IBKINXX brand store online.

11. Product Demonstration Video

Watch this video for a visual guide on setting up and operating your IBKINXX incubator.

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Video 11.1: IBKINXX Incubator in Use. This video demonstrates the features and operation of the IBKINXX incubator for hatching eggs.

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