

## Borotto REAL 24 Automatic

# Borotto REAL 24 Automatic Incubator User Manual

Model: REAL 24 Automatic

## 1. INTRODUCTION

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Thank you for choosing the Borotto REAL 24 Automatic Incubator. This professional, patented incubator is designed for efficient and reliable hatching of various poultry and game bird eggs. It features automatic egg turning, precise temperature control, and an external water refill system to simplify the incubation process. Please read this manual thoroughly before operating the incubator to ensure optimal performance and successful hatching results.

## 2. SAFETY INFORMATION

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- Always place the incubator on a stable, level surface away from direct sunlight, drafts, or extreme temperature fluctuations.
- Ensure the power supply matches the incubator's requirements (230V, 50/60Hz, Max 100W).
- Do not immerse the incubator or any electrical components in water.
- Keep out of reach of children and pets.
- Unplug the incubator from the power outlet before cleaning or performing any maintenance.
- Do not operate the incubator if the power cord or plug is damaged.

## 3. PACKAGE CONTENTS

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The Borotto REAL 24 Automatic Incubator package includes:

- Borotto REAL 24 Automatic Incubator Unit
- Universal Egg Trays (designed for 0-24 standard eggs or 96 small quail-type eggs)
- User Manual

## 4. SETUP

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## 4.1 Placement

Place the incubator on a flat, stable surface in a room with a consistent ambient temperature between 20°C and 25°C (68°F and 77°F). Avoid areas with direct sunlight, drafts, or significant temperature fluctuations.

## 4.2 Water Filling for Humidity

The incubator features an external water refill system to maintain humidity without opening the unit. Locate the practical outlets outside the incubator. Carefully pour water into these outlets to fill the internal trays. This method minimizes humidity loss during refilling.



Image: External water refill port for humidity control.

## 4.3 Egg Placement

Place the eggs into the universal egg trays. The incubator can hold up to 24 standard-sized eggs or 96 small eggs (e.g., quail eggs). Ensure eggs are placed securely in the trays.



Image: Eggs correctly placed in the incubator trays.



Image: Universal egg trays accommodating different egg sizes.

#### **4.4 Power Connection**

Once eggs are placed and water is added, connect the incubator to a suitable power outlet. The control panel will illuminate.

## **5. OPERATING INSTRUCTIONS**

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### **5.1 Temperature Control**

The Borotto REAL 24 Automatic Incubator features a sophisticated electronic temperature control system. This system maintains a constant microclimate inside the incubator with an accuracy of 0.1 °C. The electronic system ensures the set temperature value remains constant, even if the ambient temperature outside the machine varies. Refer to the control panel for temperature display and adjustment buttons.



Image: Digital control panel for temperature settings.

## 5.2 Automatic Egg Turning

The REAL 24 Automatic incubator automatically rotates the eggs throughout the entire incubation phase. Eggs are tilted from right to left (and vice versa), with a complete cycle lasting 1 hour. This continuous turning is crucial for embryonic development and prevents the embryo from sticking to the shell.

## 5.3 Humidity Management

Regularly check the water level in the external refill ports. Maintain appropriate humidity levels according to the specific requirements of the eggs you are incubating. The external refill system allows for quick and practical interventions without opening the incubator, drastically reducing humidity loss.

## 5.4 Ventilation

Internal ventilation is provided by a quiet turbine that draws air from below and directs it to the side walls, creating a warm air barrier. This aerodynamic design ensures greater uniformity of temperature and humidity inside the incubator, which is vital for successful hatching.

# 6. MAINTENANCE

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## 6.1 Cleaning

After each incubation cycle, unplug the incubator and allow it to cool. Clean all internal surfaces, egg trays, and water channels with a mild disinfectant solution. Rinse thoroughly and dry completely before storing or starting a new cycle. Do not use abrasive cleaners.

## 6.2 Regular Checks

Periodically inspect the power cord and plug for any signs of damage. Ensure the ventilation openings are clear of debris. Check the water level daily during operation.

# 7. TROUBLESHOOTING

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If you encounter issues with your incubator, consider the following:

- **Temperature Fluctuations:** Ensure the incubator is placed in a stable environment away from drafts or direct heat sources. Verify the power connection is secure.
- **Low Humidity:** Check the water levels in the external refill ports and replenish as needed. Ensure the water channels are not blocked.
- **Poor Hatch Rates:** This can be due to many factors including egg quality, incorrect temperature/humidity, or improper egg handling. Review your incubation practices and ensure the incubator settings are appropriate for the specific type of eggs.
- **Egg Turning Not Working:** Check the power connection to the egg turning mechanism. Ensure the egg trays are correctly installed.

For persistent issues, please contact Borotto customer support.

## 8. SPECIFICATIONS

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Feature	Detail
Brand	Borotto
Model	REAL 24 Automatic
Animal Species	Quail, Chicken, Pheasant, Duck, Goose, Turkey, Guinea Fowl, Partridge, Rock Partridge, Dove, Exotic Birds, Birds of Prey
Material	Plastic
Special Feature	Patented Automatic Egg Turning System, Electronic Temperature Control
Mounting Type	Freestanding
Product Dimensions (L x W x H)	50L x 38W x 26H centimeters
Power Source	Electric
Power Consumption	Max 100W
Capacity	Up to 24 standard eggs or 96 small eggs
Item Weight	3.85 Kilograms
Color	Blue and White



Image: Product dimensions.

## 9. WARRANTY AND SUPPORT

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For warranty information, technical support, or any questions regarding your Borotto REAL 24 Automatic Incubator, please refer to the contact details provided with your purchase or visit the official Borotto website. Always provide your model number (REAL 24 Automatic) and purchase date when seeking support.