

## Borotto Real 49 Expert

# Borotto Real 49 Expert Automatic Egg Incubator with Sirio Humidifier User Manual

Model: Real 49 Expert

Brand: Borotto

## INTRODUCTION

The Borotto Real 49 Expert is a professional automatic egg incubator designed for optimal hatching. It features automatic egg turning, precise temperature control, and an integrated Sirio automatic humidifier, ensuring ideal conditions for embryonic development. This manual provides essential information for the correct setup, operation, and maintenance of your incubator.

## 1. SETUP

Proper setup is crucial for successful incubation. Follow these steps carefully:

- Unpacking:** Carefully remove all components from the packaging. Verify that all parts are present: the incubator unit, the Sirio automatic humidifier, power adapter, and connection tubes.
- Placement:** Place the incubator on a stable, level surface in a room with a consistent ambient temperature, away from direct sunlight, drafts, and extreme temperature fluctuations.
- Humidifier Connection:** Connect the Sirio automatic humidifier to the incubator using the provided tubes. Ensure a secure fit to prevent leaks. Place the humidifier's water reservoir (not included, typically a bottle) at a lower level than the humidifier unit for proper water flow.
- Power Connection:** Connect the power adapter to the incubator and then to a suitable electrical outlet. The control panel display should illuminate.
- Initial Water Fill (Humidifier):** Fill the external water reservoir for the Sirio humidifier with distilled water. The system will automatically draw water as needed to maintain humidity levels.



Image 1: The Borotto Real 49 Expert Incubator with the Sirio automatic humidifier connected and ready for operation.



Image 2: Close-up view of the Sirio automatic humidifier unit, showing its display and connections.



Image 3: The Sirio humidifier connected to an external water bottle, demonstrating the water supply setup.

## 2. OPERATING INSTRUCTIONS

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The Borotto Real 49 Expert is designed for ease of use, incorporating advanced features for optimal incubation.

### 2.1. Temperature Control (PID BioMimic System)

The patented PID BioMimic System dynamically regulates air movement and temperature, replicating natural brooding conditions. This system ensures optimal physiological temperature variations during different incubation phases and prevents overheating.

- **Setting Temperature:** Use the '+' and '-' buttons on the control panel to adjust the desired incubation temperature. Refer to specific egg type requirements for optimal settings.
- **Monitoring:** The digital display shows the current internal temperature. Allow the incubator to stabilize at the set temperature for several hours before placing eggs.





Image 4: The incubator's control panel displaying the current temperature, with '+' and '-' buttons for adjustment.

## 2.2. Humidity Control (Sirio Automatic System)

The patented Sirio automatic humidity system provides precise and autonomous humidity control throughout incubation and hatching. It ensures natural and sterile humidity, faithfully reproducing ideal conditions for embryonic development.

- **Setting Humidity:** The Sirio unit allows for precise humidity percentage settings. Consult the specific requirements for the type of eggs being incubated.
- **Monitoring:** The Sirio unit's display shows the current humidity level. Ensure the external water reservoir is always adequately filled with distilled water.

## 2.3. Automatic Egg Turning

The Real 49 Expert features an advanced automatic egg tilting system. Eggs are inclined from right to left and vice versa, completing a full cycle every hour. This process mimics industrial incubators, ensuring uniform and precise turning, which is vital for embryonic development.

- **Egg Placement:** Place eggs vertically in the designated trays. The incubator supports various egg sizes, including chicken, quail, and goose eggs.
- **Operation:** The egg turning mechanism operates continuously once the incubator is powered on. No manual intervention is required for turning.

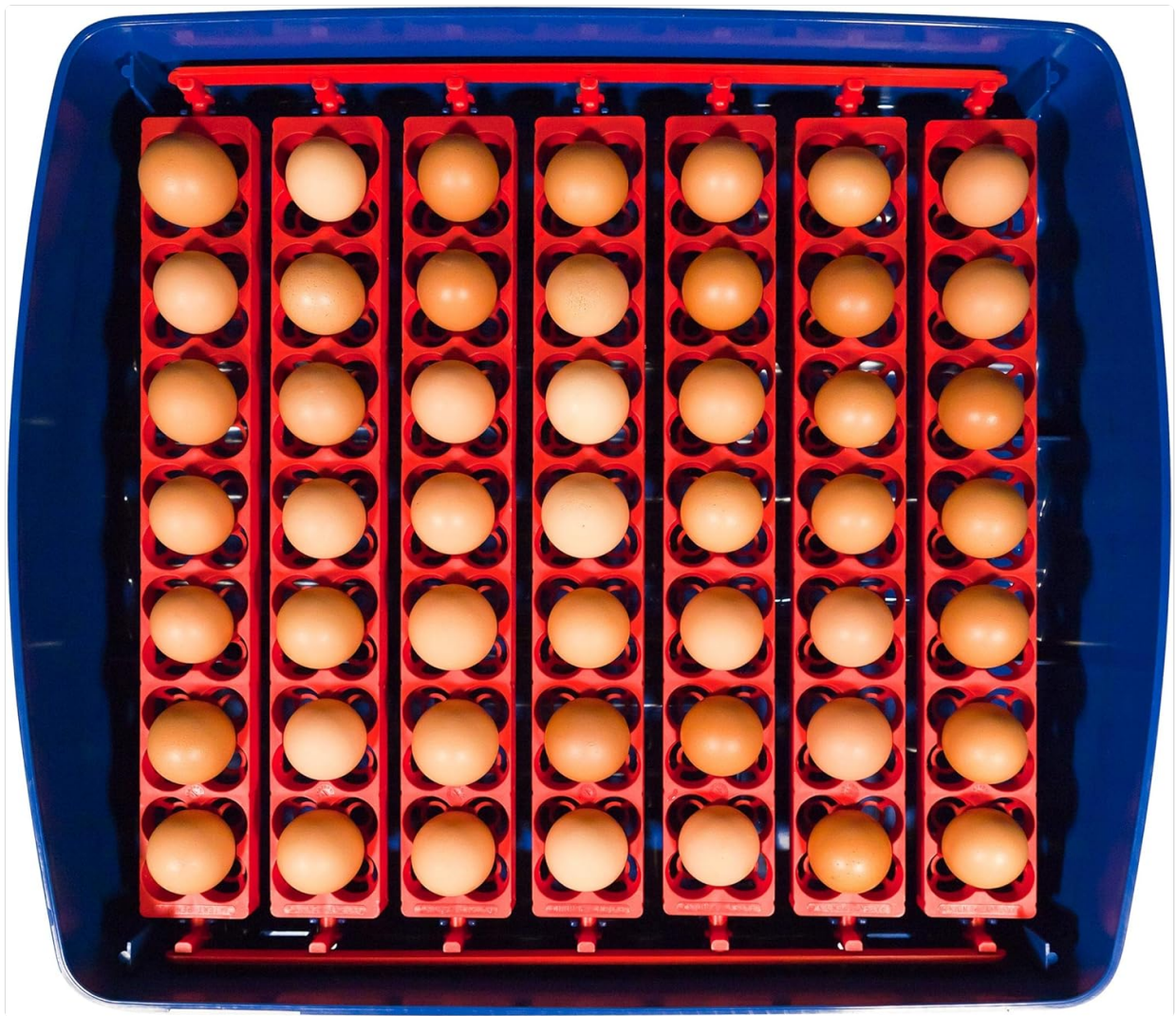


Image 5: A top-down view of eggs correctly placed in the incubator's red turning trays.





Image 6: Example of different egg sizes (chicken, quail, goose) accommodated within the incubator's versatile trays.

## 2.4. ThermoGuard Elite System

This exclusive patented system optimizes air distribution within the incubator, ensuring superior energy efficiency and thermal stability. This creates an optimal micro-climate that supports embryonic development and maximizes hatching success.

## 3. MAINTENANCE

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Regular cleaning and maintenance ensure the longevity and optimal performance of your Borotto Real 49 Expert incubator.

- **Cleaning After Each Hatch:** After each incubation cycle, disconnect the power and allow the unit to cool. Remove all egg trays and internal components.
- **Disinfection:** Clean all surfaces with a mild disinfectant solution suitable for incubators. Ensure all residues are wiped away.
- **Humidifier Care:** Periodically clean the Sirio humidifier unit and its tubes to prevent mineral buildup, especially if using non-distilled water (though distilled is recommended).
- **Storage:** When not in use, store the incubator in a clean, dry place, protected from dust and extreme temperatures.

## 4. TROUBLESHOOTING

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This section addresses common issues you might encounter with your incubator.

Problem	Possible Cause	Solution
Temperature fluctuations	Unstable room temperature, incubator lid not sealed properly, faulty sensor.	Ensure stable ambient temperature. Check lid for proper closure. Contact support if sensor is suspected.
Humidity too low/high	Insufficient water in reservoir, humidifier tubes blocked, incorrect Sirio setting, excessive ventilation.	Refill water reservoir. Check and clear humidifier tubes. Adjust Sirio settings. Ensure incubator vents are correctly positioned.
Eggs not turning	Power issue, mechanism obstruction, motor malfunction.	Check power connection. Ensure no eggs or debris are blocking the turning mechanism. Contact support if motor is faulty.
Poor hatching rates	Incorrect temperature/humidity, infertile eggs, poor egg quality, improper egg handling.	Verify temperature and humidity settings for your specific egg type. Use fresh, fertile eggs. Follow proper egg handling guidelines.

## 5. SPECIFICATIONS

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- **Model:** Real 49 Expert
- **Capacity:** 49 chicken eggs or 196 small eggs (e.g., quail)
- **Dimensions (L x W x H):** 59 x 58 x 26 cm (approximately 23.2 x 22.8 x 10.2 inches)
- **Weight:** 8 kg (approximately 17.6 lbs)
- **Power Consumption:** Max 150W, 230V, 50/60Hz
- **Egg Turning:** Automatic, 1-hour cycle
- **Humidity Control:** Integrated Sirio Automatic Humidifier
- **Temperature Control:** PID BioMimic System
- **Air Distribution:** ThermoGuard Elite System
- **Manufacturer:** Incubatrici Borotto di Borotto Andrea
- **Product Reference:** REAL 49 AUTO + UMIDIFICATORE SIRIO

## 6. WARRANTY INFORMATION

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Warranty information is typically provided with the product packaging or available on the manufacturer's official website. Please refer to the documentation included with your purchase or visit the Borotto website for details regarding warranty coverage, terms, and conditions.

## 7. CUSTOMER SUPPORT

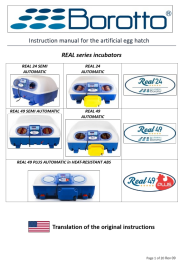

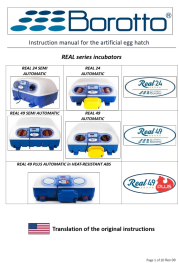
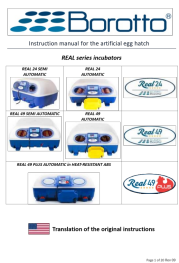

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For technical assistance, spare parts, or further inquiries, please contact Borotto customer support. Contact details can usually be found on the manufacturer's website or in the product packaging.

**Manufacturer:** Incubatrici Borotto di Borotto Andrea

**Website:** [www.borotto.com](http://www.borotto.com)

**Related Documents - Real 49 Expert**

	<p><a href="#">Borotto REAL Series Incubator Instruction Manual</a></p> <p>Comprehensive instruction manual for Borotto REAL series artificial egg incubators, covering safe use, technical specifications, incubation procedures, troubleshooting, and warranty information.</p>
	<p><a href="#">BOROTTO REAL Series Egg Incubator Instruction Manual</a></p> <p>Comprehensive instruction manual for BOROTTO REAL series egg incubators, covering safe usage, setup, operation, maintenance, and troubleshooting for various poultry and exotic bird eggs. Learn how to achieve optimal hatching results.</p>
	<p><a href="#">Borotto REAL Series Incubator Instruction Manual - Artificial Egg Hatching Guide</a></p> <p>Comprehensive instruction manual for Borotto REAL series artificial egg incubators, covering setup, operation, incubation of various poultry and exotic bird eggs, hatching, troubleshooting, cleaning, and warranty information.</p>
	<p><a href="#">Borotto REAL Series Egg Incubator Instruction Manual</a></p> <p>Comprehensive instruction manual for Borotto REAL series egg incubators, covering setup, operation, maintenance, and troubleshooting for models like REAL 24, REAL 49, and REAL 49 PLUS. Learn about egg selection, incubation parameters, and hatching best practices.</p>
	<p><a href="#">Manuel d'instructions Borotto LUMIA 8/16 : Incubateur d'œufs</a></p> <p>Guide complet des instructions pour l'incubateur d'œufs Borotto LUMIA 8 et LUMIA 16. Apprenez l'utilisation, l'entretien et les meilleures pratiques pour une éclosion réussie.</p>





## [Manuel d'instructions : Incubateurs Borotto Série REAL](#)

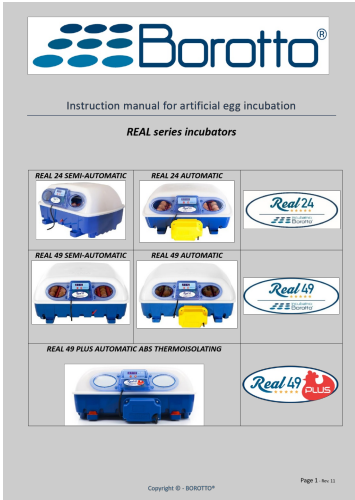
Guide complet des instructions pour les incubateurs d'œufs Borotto de la série REAL. Découvrez les caractéristiques, l'utilisation, la maintenance et les conseils pour une incubation réussie.

[\[pdf\]](#) User Manual

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