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TRIOCOTTAGE M12H

TRIOCOTTAGE M12H Automatic 12-Egg Incubator User Manual

Model: M12H | Brand: TRIOCOTTAGE

1. INTRODUCTION

Thank you for choosing the TRIOCOTTAGE M12H Automatic 12-Egg Incubator. This device is designed to provide an optimal environment for hatching various types of poultry eggs, including chicken, quail, and duck eggs. It features precise temperature and humidity control, automatic egg turning, and a transparent observation cover for monitoring the hatching process. Please read this manual thoroughly before operation to ensure proper use and maximize hatching success.

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.
- Do not attempt to modify or repair the incubator yourself. Contact customer support for assistance.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- TRIOCOTTAGE M12H Egg Incubator
- Water Bottle for humidity replenishment
- User Manual (this document)

4. PRODUCT FEATURES

- **Humidity Control:** Equipped with a humidity indicator and a regulation valve. Features a 3-level humidity reservoir for precise adjustment.
- **Automatic Egg Turning:** The egg tray automatically turns eggs every 2 hours to support the incubation process and improve hatch rates.
- **Digital Temperature Control:** An LED screen allows precise temperature adjustment within the range of 20°C to 39°C.
- **Automatic Water Supply:** Prevents temperature fluctuations by allowing water replenishment without opening the lid. Ensures continuous optimal humidity.
- **Integrated Egg Candler:** Built-in candler for checking egg development without needing an additional device.
- **360° Transparent Cover:** Provides a clear view of the eggs and the hatching process without disturbance.
- **Capacity:** Approximately 12 chicken/duck eggs or 36 quail eggs, depending on size.

5. SETUP

1. **Unpack:** Carefully remove all components from the packaging.
2. **Placement:** Place the incubator on a stable, level surface in a room with a consistent ambient temperature (ideally between 20-25°C) and away from direct sunlight or drafts.
3. **Water Filling:** Fill the provided water bottle with distilled or demineralized water. Connect it to the automatic water supply port on the side of the incubator. The incubator will automatically draw water as needed to maintain humidity.
4. **Power Connection:** Plug the power cord into a suitable electrical outlet. The LED display will illuminate.
5. **Pre-heating:** Allow the incubator to run for at least 2-3 hours to stabilize the internal temperature and humidity before placing eggs inside.



Figure 1: TRIOCOTTAGE M12H Automatic Egg Incubator. The image shows the incubator with its transparent dome, control panel, and eggs placed in the turning tray. The automatic water supply port is visible on the side.

6. OPERATING INSTRUCTIONS

6.1 Control Panel Overview



Figure 2: Close-up of the control panel. The panel features an LED display showing temperature and humidity, along with buttons for "Quick Menu", "Temperature Setting", "Egg Turning Test", and "Egg Candler".

- **LED Display:** Shows current temperature and humidity.
- **"Quick Menu" Button:** Accesses quick settings.
- **"Temperature Setting" Button:** Adjusts the desired incubation temperature.
- **"Egg Turning Test" Button:** Manually activates the egg turning mechanism for testing.
- **"Egg Candler" Button:** Activates the built-in egg candling light.

6.2 Setting Temperature

1. Press the "Temperature Setting" button. The temperature display will flash.
2. Use the arrow buttons (up/down, if present, or repeated presses of the setting button) to adjust the desired temperature. The recommended temperature for most poultry eggs is between 37.5°C and 38°C.
3. Press the "Temperature Setting" button again to confirm and save the setting. The display will stop flashing.

6.3 Humidity Control

The incubator features an automatic water supply system. Ensure the external water bottle is filled. The

incubator will draw water as needed to maintain optimal humidity levels. The humidity indicator on the display provides real-time readings.

- For general incubation, maintain humidity between 50-60%.
- During the last 3 days (lockdown period), increase humidity to 65-75% to aid hatching. This can be achieved by ensuring the water reservoir is full.

6.4 Automatic Egg Turning

The incubator automatically turns the eggs every 2 hours. This mimics the natural turning process by a hen and prevents the embryo from sticking to the shell. The turning mechanism will operate silently and subtly.

- To test the turning function, press the "Egg Turning Test" button. The egg tray will perform a turn cycle.
- Disable automatic turning during the last 3 days of incubation (lockdown period) to allow chicks to position themselves for hatching. Refer to the "Quick Menu" or specific instructions for disabling this feature.

6.5 Egg Candling

The built-in egg candler allows you to observe the development of the embryo inside the egg.

1. In a darkened room, gently place an egg over the candling light on the control panel.
2. Press the "Egg Candler" button to activate the light.
3. Observe the internal contents of the egg. You should be able to see veins and a developing embryo in fertile eggs after a few days of incubation.
4. Remove infertile or non-developing eggs to prevent contamination.

7. MAINTENANCE AND CLEANING

- **Cleaning:** After each hatch, unplug the incubator and allow it to cool. Remove the egg tray and wash it with mild soap and water. Wipe down the interior surfaces with a damp cloth and a mild disinfectant. Ensure all parts are completely dry before reassembly or storage.
- **Water Bottle:** Regularly clean the water bottle to prevent algae or bacterial growth.
- **Storage:** Store the incubator in a clean, dry place when not in use.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Incubator not turning on.	No power supply.	Check power cord connection and wall outlet.
Temperature too high/low.	Incorrect setting; ambient temperature too high/low.	Adjust temperature setting; move incubator to a more stable environment.
Humidity too low.	Water bottle empty; insufficient water in reservoir.	Refill water bottle; ensure water supply port is clear.

Problem	Possible Cause	Solution
Eggs not turning.	Turning function disabled; motor malfunction.	Check if automatic turning is enabled; perform "Egg Turning Test". If still not working, contact support.
Poor hatch rate.	Incorrect temperature/humidity; infertile eggs; improper egg handling.	Verify settings; use fresh, fertile eggs; ensure proper handling and candling.

9. SPECIFICATIONS

Model Number	M12H
Brand	TRIOCOTTAGE
Capacity	Approx. 12 Chicken/Duck Eggs, 36 Quail Eggs
Temperature Range	20°C - 39°C (Adjustable)
Dimensions (L x W x H)	32.1 x 30.5 x 19.5 cm
Weight	1.79 kg
Automatic Egg Turning	Yes (Every 2 hours)
Humidity Control	Automatic with external water supply
Egg Candler	Integrated LED

10. WARRANTY AND SUPPORT

TRIOCOTTAGE products are manufactured to high-quality standards. For warranty information, technical support, or any questions regarding your M12H incubator, please contact your retailer or the TRIOCOTTAGE customer service department. Please have your model number (M12H) and purchase date available when contacting support.

For further assistance, please refer to the contact information provided with your purchase or visit the official TRIOCOTTAGE website.