



**FARM INNOVATORS**  
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Don't forget to buy your Model 3700 baby chick starter home!

## Model 2150 Digital Incubator Instruction Manual

Please read all instructions carefully before attempting to install and operate your unit. Know the unit's application, limitations, and potential hazards. Protect yourself and others by observing all safety information.

### Step 1: Select Incubator Location

It is important to select a safe and stable location for your incubator. Avoid places where direct sunlight may come into contact with your incubator. Also, choose a location where the temperature is around 68-72 degrees F consistently without any drafts.

### Step 2: Getting Started with your Incubator

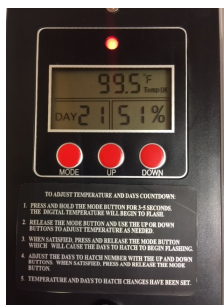
Remove the incubator from the packaging. The incubator comes in two parts (top and bottom). The BOTTOM of the incubator is the cover without the large observation window and power supply cord. The TOP of the incubator is the cover with the large observation window, power supply cord, heating element, and the LCD display panel with indicator lights. Plug both the power supply cord and the automatic egg turner power cord into a recommended GFCI outlet.



Image shown with OPTIONAL Model 3200 Egg Turner & Model 3150 Fan Kit

### Step 3: Incubator Temperature and LCD Settings

The Model 2150 Digital Incubator comes with a built in LCD display panel that displays the internal temperature and humidity inside the incubator. Attached to the underside of the LCD display is a black wire that measures the incubator's temperature. Make sure this wire is not touching anything during incubation. The temperature for the incubator is preset to 100 degrees F from the factory. Using an auxiliary thermometer is recommended to give an additional temperature readout. Due to various factors you may need to adjust the LCD panel temperature with the additional auxiliary thermometer to more accurately measure the temperature inside the incubator.

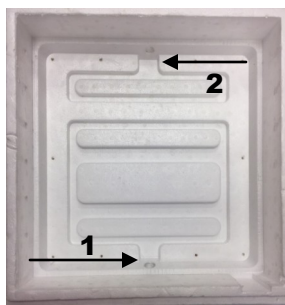


To adjust the temperature inside your incubator, press and hold the MODE button for 3-5 seconds.

The TEMP display will begin to flash. Next press the UP or DOWN button as needed to adjust the temperature accordingly. Once you have finished adjusting the temperature press the MODE button again to adjust the days to hatch if necessary. To finish, simply press the MODE button to exit. The set up is complete. **The ideal temperature for incubation is between 99.5 and 100.5 degrees F.**

### Step 4: Humidity Control and Proper Ventilation

The LCD display panel provides a humidity sensor through a red wire located on the underside of the LCD display. The 2150 Incubator comes with E-Z Fill Water Channels so you can add water without removing the lid. Use a turkey baster to add 1/4 to 1/2 cup of water, preferably warm and distilled, to the large **Primary** E-Z Fill Water Channel (1). The hygrometer should have a relative humidity level between 50-60% during incubation. Monitor and fill the large **Primary** E-Z Fill Water Channel (1) as needed to reach and maintain this percentage. The 3 days prior to hatching, the humidity level should increase to 65-75%. Add water to the small **Secondary** E-Z Fill Water Channel (2) to reach relative humidity to this range, if necessary.



**CAUTION:** Monitor humidity levels carefully as too much moisture may affect electronic circuitry. **Farm Innovators Inc. is not responsible for damage due to excess humidity.**

Proper ventilation is paramount during embryo development and should increase during the hatching process. We suggest you remove one RED ventilation plug located on the TOP cover when the chicks start to hatch. The RED ventilation plugs are located on opposite ends of the large observation window. After hatching, remove both RED ventilation plugs to help dry the chicks.

### Step 5: Insert and Monitor Eggs

Prior to incubation, mark each egg with "X" and "O" on opposite sides of the egg. Once the incubator has been tested for 6-8 hours and the temperature is 100 degrees F while the humidity is between 50-60%, insert your eggs and lay them flat on the wire mesh screen with the "X" marking facing up. Manually flip the eggs from the "X" side to the "O" side and vice-versa three times per day. An **OPTIONAL** Automatic Egg Tuner (Model 3200) is sold separately and available to conveniently turn the eggs for you. Before placing the eggs inside the incubator ensure that both your hands and the eggs are sanitized.

Continue to monitor your eggs throughout the 21 day process. If you are incubating other bird species such as duck or turkey, adjust your DAY setting from 21 days to the required amount. While monitoring your incubated eggs avoid opening the incubator as much as possible. E-Z Fill Water Channels are installed to prevent frequent opening of the incubator.

An **OPTIONAL** Egg Candler (Model 3300) is sold separately and available so that embryos may be monitored during the process. We recommend candling 3 times during the incubation process— Day 7 or 10, day 14, and day 18. If you don't see anything at day 7 or day 10, do not discard those eggs immediately.



E-Z Fill Water Channel



(Optional Model 3200) Automatic Egg Turner



(Optional Model 3300) Egg Candler

### Step 6: Getting Ready to Hatch

It is important to STOP manually turning the eggs when there are approximately **three** days left of incubation. Add more water to increase the humidity level between 65-75% (as noted in Step 4). As the eggs begin to hatch, remove one RED ventilation plug located on the TOP cover. The RED ventilation plugs are located on opposite ends of the large observation window. After more eggs begin to hatch remove both RED ventilation plugs to provide the chicks with more oxygen and to help the drying process. Remember, different bird species have different hatching days, so make sure you have adjusted your DAYS using the MODE button (as noted in Step 3).

Once all the eggs have hatched remove them from the incubator. Make sure the baby chicks are kept in a warm and dry place. To clean your incubator use soap and water. Allow the incubator to air dry for several days.

Type of Bird	# of Days	Type of Bird	# of Days
Turkey	28	Ring Neck Pheasant	23-24
Duck	28	Mongolian Pheasant	24-25
Muscovy Duck	33-35	Bobwhite Quail	23
Goose	29-31	Japanese Quail	17-18
Guinea	26-28	Chukar Partridge	22-23
Pigeon	16-18	Peafowl	28

### LIMITED WARRANTY

Farm Innovators, Incorporated has carefully inspected, tested, and packaged this unit to insure safe and reliable operation. When you receive your incubator, examine it carefully to determine there is no damage that may have occurred in shipment. If damage has occurred, notify the company from which you purchased the incubator. They will assist you in replacing the unit.

The Model 2150 Digital Incubator is **guaranteed for 30 days, under normal conditions and intended use of service**, from the original date of consumer purchase or date stamped on the unit against defects due to materials and the company's workmanship only. The sole obligation shall be to replace the defective unit with replacement parts or a replacement unit. Units should be "checked for proper operation" prior to returning as defective. Units must be returned prepaid. No liability for loss or damage of any nature or kind, whether arising out of or from the use of the product, whether or not defective, is assumed by Farm Innovators, Incorporated and/or their employees.

Farm Innovators, Incorporated implies no warranty whatsoever to any factors relating to the successful hatching of any eggs. There are numerous factors that can lead to a successful and unsuccessful hatching of eggs. See the following website for further incubation information:

<http://msucares.com/poultry/reproductions/index.html>

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