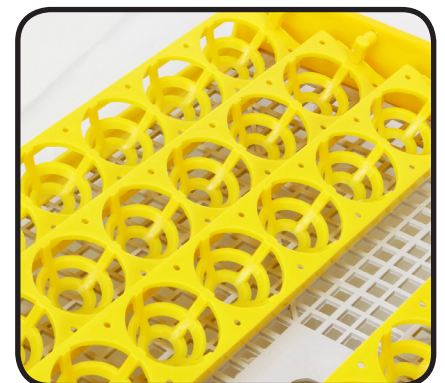
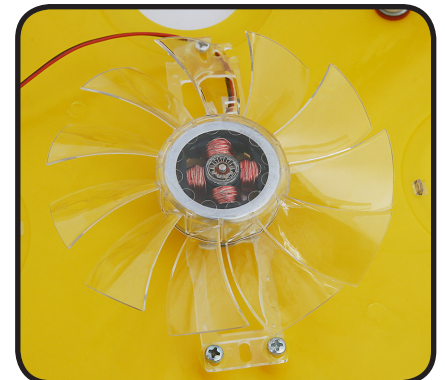
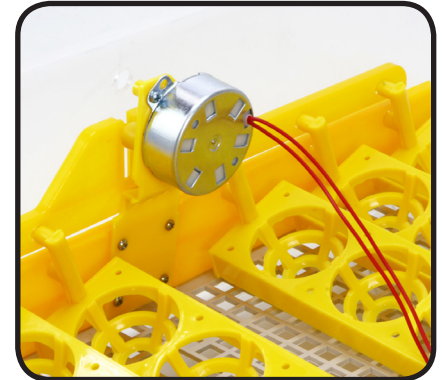


# XTREME POWER US

## EGG INCUBATOR 48 CT

ITEM: 97056



### OWNER'S MANUAL AND SAFETY INSTRUCTIONS

SAVE THIS MANUAL: KEEP THIS MANUAL FOR SAFETY WARNINGS, PRECAUTIONS, ASSEMBLY, OPERATING, INSPECTION, MAINTENANCE AND CLEANING PROCEDURES. WRITE THE PRODUCT'S SERIAL NUMBER ON THE BACK OF THE MANUAL NEAR THE ASSEMBLY DIAGRAM (OR MONTH AND YEAR OF PURCHASE IF PRODUCT HAS NO NUMBER)

FOR QUESTIONS PLEASE CALL OUR CUSTOMER SUPPORT: (909) 628 0880 MON-FRI 9AM TO 3PM PST

# PRODUCT FEATURES



This professional digital egg incubator is perfect for hatching eggs with ease in the comfort of your own home. The circulating air fan gently moves the warm air on the inside of the incubator and the eggs. The warm circulating air also aides in drying of the chicks after they have hatched. Our egg incubators are perfect for Chicken, Duck, Turkey, Goose, Quail, Bantam and other eggs under 5" tall. The built-in egg turner ensures high hatching success.

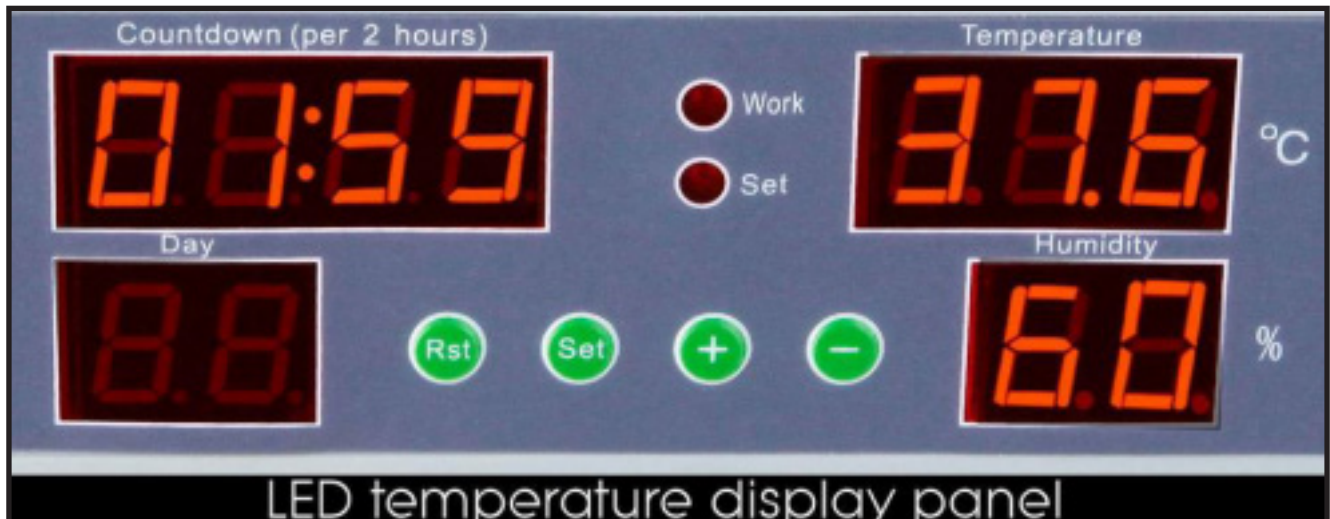
- **Digital Temperature Control:** Digital temperature controls allows for accurate temperature settings and easy operation
- **Digital Display:** The digital display shows important information such as current temperature, humidity and hatching day
- **Vented Enclosure:** Vented incubation box ensures fresh air is introduced into the box  
Dual Function Egg Tray- Dual function egg tray holds standard chicken eggs, small eggs and larger eggs under 5"
- **Removable Poly Screen Base:** Removable poly screen base tray is easily washed which makes it perfect for newborn chicks
- **See-Through Base:** The see-through base allows you to see the water levels and check on the eggs without opening the lid
- **Multi-Purpose:** Our egg incubator is perfect for Chicken, Duck, Turkey, Goose, Quail, Bird, Dove, Pigeon, Bantam, and other eggs. For larger eggs like Peacock, Emu, & Ostrich eggs under 5", simply remove the egg turner.
- **Overall Dimensions:** 19" (L) x 18-1/4" (W) x 9-1/4" (H)
- Egg Capacity 48 Standard Chicken Eggs
- **Auto Egg Turner:** Yes
- 115V Standard Power Supply required, plug is included.

# TECHNICAL INFORMATION

RANGE OF TEMPERATURE	0-99°C
PRECISION OF TEMP MEASUREMENT	±0.1°C
RANGE OF HUMIDITY DISPLAY	0-99% RH
PRECISION OF HUMIDITY CONTROL	±3%RH
OUTPUT CHANNELS	3 Channels: Heating, humidification and turning eggs
WORKING VOLTAGE	220-240V/50Hz
RELATIVE HUMIDITY	Less than 80%
ENVIROMENTAL TEMPERATURE	18°C-29°C

## Testing the Unit

1. Switch on the power source.
2. Switch on the unit.
3. You will hear alarm sounding if the temperature/humidity is low.
4. Press the “-” button to stop the alarm.
5. Open the incubator and fill in the water channels, you will see the humidity reading increase.
6. Press the “RST” button to manually test the egg turning motor.
7. Let the unit run for 2 hours to note the egg turner turning.
8. The egg turning will turn once every 2 hours, 12 times a day.



## Setting the Temperature

1. Push the “SET” button once.
2. Push “+” or “-” to select the desired temperature.
3. Push “SET” one more time to exit. The incubator’s factory setting temperature is 37.8 °C this temperature may be too high when hatching at day 19th-20th. Using the temperature setting method as described above to adjust the temperature; recommended temperature is 37.6 °C

## Default Parameter

The parameters in all ranges are set properly. It is advised to leave them at factory settings unless you are a professional.

### FORM 1

No.	Parameter name	Parameter ID	Setting Range	Default value
1	Temperature for alarm if over	P1	0-99.9°C	38.6
2	Base temperature	P2	0-99.9°C	37.8
3	Temperature for stopping main heater	P3	0-99.9°C	37.5
4	Temperature for alarm if lower	P4	0-99.9°C	37.0
5	Humidity for alarm if over	H1	0-99%	80%
6	Humidity for alarm if lower	H2	0-99%	40%

Under ‘Working Mode’, user can set the “Temperature and Humidity” to different ranges.

1. Press and hold the “SET” and “+” buttons simultaneously for 3 seconds.
2. Press “+” or “-” to adjust to your desired temperature or humidity level.
3. Press the “SET” button again to the next parameter.

# OPERATION

## FORM 2

No.	Parameter name	Parameter ID	Setting Range	Default value
1	Egg turning period	F1	00:00-23:59	01:59
2	Egg turning duration	F2	0-999 Seconds	15 Seconds
3	Temperature calibration	F3	Adjust according to the thermometer	
4	Humidity calibration	F4	Adjust according to the humid meter	
5	Humidity for alarm if over	F5	1-99 Days	0 days

Under working mode, user can set the “Egg Turning Parameter, Calibrating Temperature Sensor Reading and Humid Sensor Reading”

1. Press and hold the “SET” button for 3 seconds.
2. Press “+” or “-” to adjust to your desired range.
3. Press the “SET” button again to the next parameter.

**KEEP THE HUMIDITY:** By filling both water channels the humidity should rise to 60%, depending on the local humidity levels and the time of year. It is suggested to fill the water channels every 4-5 days.

**SENSOR ERROR INDICATOR:** The temperature display window will show “EEE”, if the temperature sensor is not working properly; at the same time the heater and fan will stop working. There will be a beep sound when the sensor is not functioning.

The humidity display window will show “EE”, if the humidity sensor is not working; at the same time the humidifier will stop functioning. There will be a beep sound when the sensor is not functioning.

**TURN OFF ALARM MANUALLY:** When the alarm is on, user can mute it by pressing “-” button and switch back by pressing the same button again. The alarm lighting will stay on during alarm period.

**Note:** The alarm will not be on for the first cycle of the machine.

**RESET FUNCTION:** Press “+” and “-” for 5 seconds, then all the parameters will be reset due to the default values after a beep sound.

# OPERATION

## USING THE INCUBATOR

1. Test the incubator to see if it functions properly.
2. Connect the egg turner plug to the control plug inside the egg compartment.
3. Fill one or both water channels depending on local humidity levels.
4. Set the eggs with their pointed side down.
5. Close the lid and switch the incubator.
6. Press and hold “+” and the “-” button for 5 seconds to reset and have the day counter to “0”. This will also reset the egg turning countdown back to 1:59.
7. Keep an eye on the humidity reading and fill the water channels when needed. Normally every 4 days.
8. On the 18th day remove the tray from the turner and place the eggs on top of the bottom grid.
9. At the same time it is important to fill both water channels to increase the humidity, This is very important to ensure that the eggshells are soft enough for the chicks to break through.
10. You should never open the lid when the chicks start to hatch. If you do, the loss of humidity will cause the eggshells of the unhatched eggs to dry out and they won't be able to break through the eggshell.

## OPERATING ENVIRONMENT

Ideally, the incubator should be located in a room where the temperature ranges between 18°C and 29°C. The room should be free from drafts and subjected to excessive fluctuations in temperature. DO NOT place the incubator alongside windows as direct sunlight can cause problems with the temperature control. Avoid heating appliances (e.g. gas heaters) as excessive levels of CO<sub>2</sub> can cause problems. DO NOT place the incubator in areas where the temperature may drop below 15°C as the incubator may struggle to maintain the correct temperature.

## EGG SELECTION AND CARE

Once you have obtained a supply of eggs the following points will help you in maximising the hatchability.

1. Freshly laid eggs should be stored for at least one day before setting in the incubator.
2. Storage of eggs from 1-7 days generally will result in maximum hatchability.
3. Eggs should be stored pointy end down and turned through 90° once a day.
4. Eggs should be held in a temperature range of 15°C-18°C with a relative humidity of no more than 75%.
5. Only put clean eggs inside the incubator. Dirty eggs can potentially contain pathogens.
6. DO NOT use cracked or chipped eggs.
7. Use medium sized eggs.
8. How you handle the eggs before setting them in the incubator could determine your hatch rate.

# OPERATION and TROUBLESHOOTING

If you need to incubate dirty eggs, wash them first with warm water (44°C-49°C) that contains disinfectant at a rate recommended by the professionals. Most household disinfectants are suitable and the dry the eggs quickly after washing using a separate paper towel. DO NOT soak eggs for longer than 4 minutes to avoid affecting the fertility and DO NOT soak eggs in cold water, as it encourages bacterial penetration through the eggshell. DO NOT add eggs from unknown sources to make up the numbers as it will risk infecting your flock.

**FERTILITY TESTING:** By using a candling lamp you can determine if the egg is fertile or not. Although testing is not necessary, you can eliminate infertile eggs by doing so. Usually by about day 7 you are able to see red blood cell growth around the inside of the egg. Eggs that show no growth and are clear and infertile and can be discarded. Candle the eggs again when it's time to put them down into the separate hatching tray. The removal of eggs for candling purposes will not harm your hatchability so long as it's for no longer than 15 minutes. It is important to have clean hands when handling the eggs.

**INCUBATION AND HYGEINE:** ALWAYS start with a clean incubator. Bacteria can enter through the shell of the egg potentially damaging or killing the embryo and affecting hatchability. After you have completed your hatch, it is essential that you clean and sanitize the incubator. By maintaining a high level of hygiene ensures you are able to breed healthy chickens / ducks. When cleaning the incubator, DO NOT spray any liquid directly on the temperature probe fan as it can malfunction internal parts. Only use a disinfectant recommended by professionals.

## TROUBLESHOOTING

PROBLEM	POTENTIAL CAUSE	ACTION
Too many clears or infertile eggs	Wrong proportion of males to females	Check mating ratios according to breeder's recommendations
	Male is undernourished	See that cockerels are able to feed separately
	Interference among males during mating	Do not use too many males; always rear breeding males together; erect temporary solid partitions between breeding pens or inside large pens
	Damaged combs and wattles among males	See that housing is comfortable and proper drinking fountains are provided for breeding pens
	Male is too old	Replace old birds
	Male is sterile	Replace with another male
	Eggs kept too long or under the wrong conditions before setting	Do not keep hatching eggs longer than seven days; store them in a cool temperature (10-15.6°C) at relative humidity around 75-80%
Blood rings, which indicate very early embryonic death	Incubator temperature too high or low	Check thermometers, thermostats and electricity supply; follow manufacturer's instructions
	Incorrect fumigation procedure	Use the correct amount of fumigant. Do not fumigate between 24 and 96 hours after setting
	Eggs kept too long or under the wrong conditions before setting	Do not keep hatching eggs longer than seven days; store them in a cool temperature (10-15.6°C) at relative humidity around 75-80%
Many dead-inshell	Incubator temperature too high or low	Check thermometers, thermostats and electricity supply; follow manufacturer's instructions
	Eggs not properly turned	Turn the eggs regularly at least three to five times a day; always turn the eggs in the reverse direction each time
	Breeding stocks' nutrition is deficient if deaths are high in days 10 and 14	Check that feeding is sound
	Incubator's ventilation faulty	Increase ventilation by normal means
	Infectious diseases	Use eggs only from healthy stock; check that hatchery hygiene is sound and carried out regularly

# TROUBLESHOOTING

PROBLEM	POTENTIAL CAUSE	ACTION
Piped eggs failing to hatch	Insufficient moisture in the incubator	Increase the evaporating surface of water or the sprays
	Too much moisture at earlier stages	Check wet-bulb readings
	Nutrition problem	Check flock feeding
Hatching too soon	Incubator's temperature too high	Ensure the temperature regulating gear is working and set at the correct operating temperature when the control switches off
Hatching too late	Incubator's temperature too low	correct operating temperature when the control switches off
	Incubator's temperature probably too high	
Malformed chicks	Incubator's temperature too high	Incubator temperature too high or low
	Incubator's temperature too low	
	Eggs set incorrectly or not properly turned after setting	Turn the eggs regularly at least three to five times a day; always turn the eggs in the reverse direction each time
Spraddling chicks	Hatching trays too smooth	use wire-meshed tray floors or cover slippery floors with burlap or other similar material
Weak chick	Incubator or hatching unit overheating	correct operating temperature when the control switches off
	Setting small eggs	Only set eggs of the breed average size
Small chick	Too little moisture in incubator	Increase the evaporating surface of water or the sprays. Check wet-bulb readings
	Too much fumigant left in hatcher	Use the correct amount of fumigant. Do not fumigate between 24 and 96 hours after setting
Heavy breathing chicks	Too much moisture in hatcher	Increase the evaporating surface of water or the sprays. Check wet-bulb readings
	Possibly infectious disease	Send chicks to a veterinary laboratory for diagnosis
	Low average temperature during period of incubation	Check thermometers, thermostats and electricity supply; follow manufacturer's instructions
	Incubator has poor ventilation	Omphalitis (navel infection)
Mushy chicks	Incubator's ventilation faulty	Carefully clean out and fumigate the incubator using formaldehyde at the higher strength; disinfect all equipment;
Hatch not coming off evenly	Setting eggs too diverse in age or size	set eggs at least once a week and never retain hatching eggs longer than 10 days before setting; incubate only average-size eggs



## PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

**Record Product's Serial Number Here:** \_\_\_\_\_

**Note:** If product has no serial number, record month and year of purchase instead.

**Note:** Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.



### Questions, Problems or Missing Parts?

*Before returning to a retailer, our exceptional customer service is available to help.*

*Call Us: 909.628.0880*

*Hours of Operation: 9 to 4pm PST, Monday - Friday*

*Email: [customer@xtremepowerusa.com](mailto:customer@xtremepowerusa.com)*

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