

USER MANUAL



The above are dual electric 64~176egg incubators



The above are single electric 64~176egg incubators

(64+120+176 220V/110V °F/°C)

Suitable for 64 egg incubators, 120 egg incubators, 176 egg incubators

Suitable for single electric incubators and dual electric incubators

Single electric incubators: Only powered by a power source

Dual electric incubators: Can be powered by a power source or a battery

Suitable for Fahrenheit incubator+Celsius incubator

Incubator Basic Operation Manual Book

1. Preparation of fertilized eggs

Before the incubating start, please detect your eggs first, assure all of them are fresh and fertilized. It is the important process to assure your time and money will not be wasted.

You need to pick good eggs and disinfect them.

1) Choose:

- ① Fresh eggs. Born within 1-7 days, the more shorter the more fresher.
- ② Eggs with smooth surface, without any pollution.
- ③ No cracks or holes on egg surface
- ④ The fresh eggs must be stock in cool&dry place and in ordinary temperature. Cannot be stock in fridge.

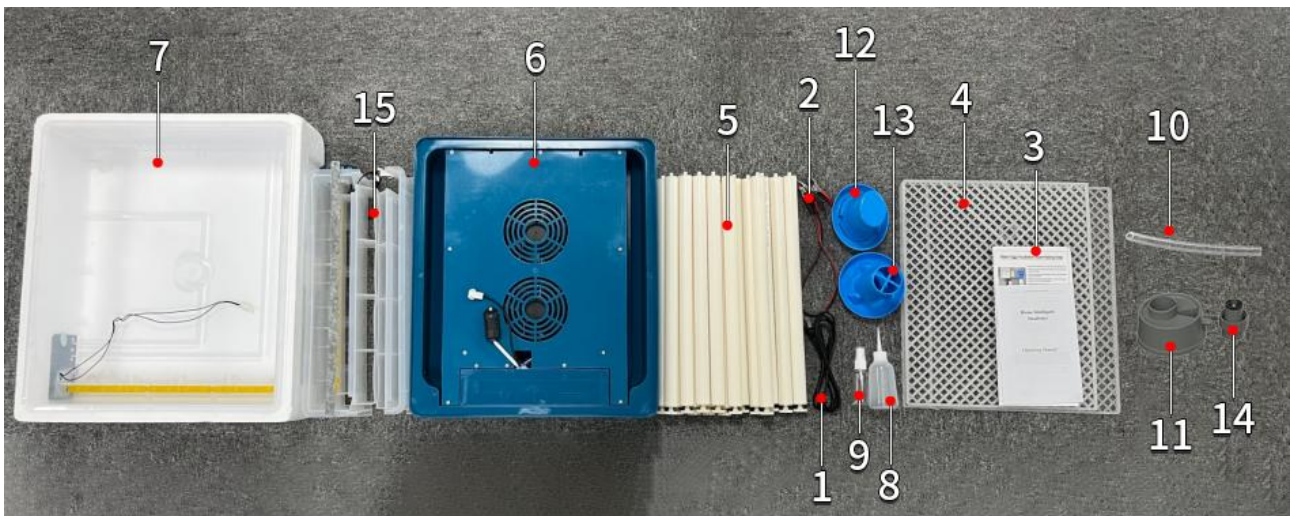
2) Disinfection:

- 1) Use a soft tissue dip in KMnO₄ water solution(Be careful when you operate. If you have other solution you must use them under the professional farmer's tutorial) and gently clean the eggs surface.

2. What is inside of the package you received

(Please do not throw the foam shell. You will need it to help keep temperature stability especially in low temperature place/season)

64 eggs incubator/120 eggs incubator/176 eggs incubator



1. AC 220V/110V power cord in black
2. DC 12V battery wire in red&black (Single electric incubator does not have this accessory)
3. Instruction manual
4. Hatching net: 64eggs incubator*1; 120 eggs incubator*2; 176 eggs incubator*3
5. Roller: 64eggs incubator*9; 120 eggs incubator*17; 176 eggs incubator*25
6. Top heating cover
7. Thermal insulation foam box + Bottom water box

8. Water bottle with long tip
9. Spray bottle
10. A transparent water pipe
11. Automatic water supply base
12. Water feeder
13. Feeding device
14. Upper water base buckle
15. Middle layer: 120 eggs incubator*1; 176 eggs incubator*2(64 egg incubators not included)

3. Introduction to the use of incubators

1) Put inside the rollers and link the wire

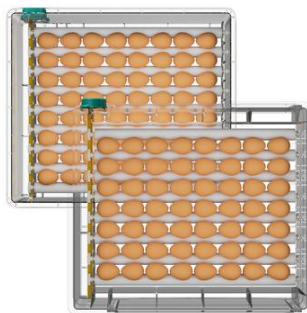


Please leave a proper space between the rollers to accommodate different sizes of eggs. The bigger the eggs are, the wider the roller space they need.

If you hatch smaller bird eggs then you may need more rollers and you can contact us by email.

Note: If you have not link the all cables inside the incubator the egg rollers will not turning automatically

2) How to place the eggs



You may find the eggs will be rolling together after start incubating a couple of days. The resolution is to put eggs' big side towards big side and small side towards small side, evenly on the roller.

It is not recommend putting different kinds of eggs into incubators at the same time when you want to have a high hatching rate. Since different kinds of eggs requires different temperature or humidity and different hatching period.

We will put the recommended temperature and humidity operation charts at the final of this manual book(☺o☺).... If you are a new starter on hatching you can

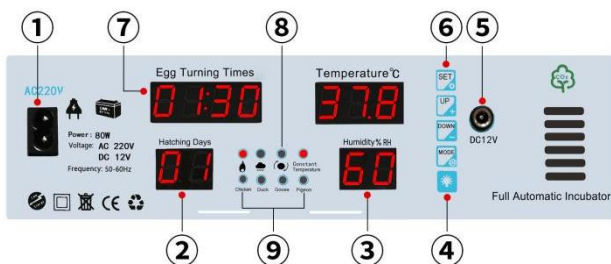
take it as a reference.

3) Plug in the power

Insert the power cord into the power source

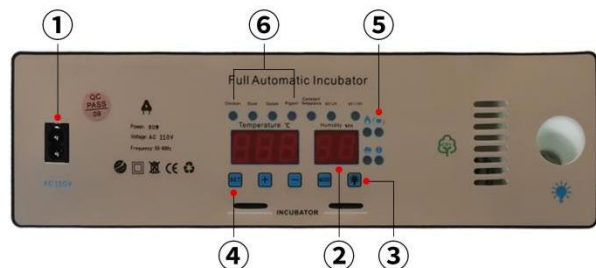
You can use the red/black wire to plug in 12V DC battery. Need to assure the battery capacity first in case of power off accident. (A 12V battery is not included in the package. Single electric incubator without connected battery power supply function)

Dual electric control panel



- ① Power connector
- ② Incubation day
- ③ Humidity
- ④ Egg Candler button
- ⑤ Battery Connector
- ⑥ Program Settings
- ⑦ Countdown Turning Eggs
- ⑧ Indicator light Egg turning
- ⑨ Automatic incubation mode indicator

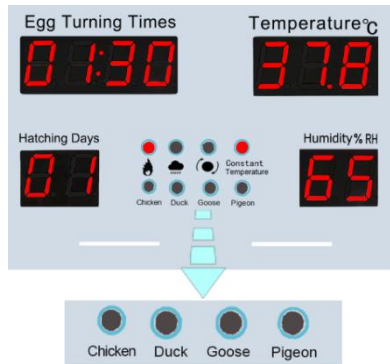
Single electric control panel



- ① Power connector
- ② Humidity
- ③ Egg Candler button
- ④ Program Settings
- ⑤ Indicator light Egg turning
- ⑥ Automatic incubation mode indicator

4) Setting the temperature

Press the "SET" button, the temperature display on the upper side of the instrument panel will start flashing, and the humidity display on the lower side will display "PP" on the digital display; The temperature digital tube displays four digits as the original factory temperature setting value. If you need to change it, please press the "+" key or "-" key to adjust it. Then press the "SET" key to save the temperature setting, and then the instrument digital tube flashes three times 8888 88 to indicate that the setting is successful; If it is not saved for a long time after adjusting the temperature, the system will automatically save it for you. (Single electric incubator without battery interface)



When the fire logo is lighting in red, it means the incubator is working on raising the temperature. When the temperature reach to the setting number the fire logo will off and heating wire stop heating. The heating wire is not working all the time to avoid over heated. The fan inside the cover will continue to rotate evenly to achieve a uniform temperature.

The control panel has preset Chicken/ Duck/Goose/Pigeon MODE. If you hatch these eggs you just need to press the "MODE" button for 5seconds you will see the light is on under the chicken/duck/goose/pigeon. Keep doing this way the light will switch between Chicken/

Duck/Goose/Pigeon& Constant Temperature MODE.

In Constant temperature mode you can set the temp according to your wish. Press MODE for 5seconds and switch to this mode. Then press "SET" button to change preset temperature. Using "+" and "-" button to adjust the preset temperature.

When the incubator is set to one of the four automatic incubation modes of "Chicken", "Duck", "Goose", and "Pigeon", you cannot manually change the temperature of the incubator. The incubator will automatically adjust the temperature of the incubator according to the required incubation temperature at different times.

5) Automatic water addition



Automatic water adding function: Please connect one end of the water pipe to the automatic water adding device and the other end to the small hole at the bottom of the incubator. Please place a bottle of water upside down on the automatic water adding device (the package does not contain a water bottle). Please check the water bottle every day to see if there is water in the water bottle. If the water bottle is empty, please add water to the water bottle promptly.

There are two small holes at the bottom of the incubator. Open the lid of the incubator and you will find two water frames at the bottom of the box, with different water frames corresponding to different small holes. If water is placed in a large water frame, the humidity in the

incubator is

higher.

NOTE: This incubator does not have humidity control function! The automatic water adding device can only add water to the incubator and cannot control the humidity of the incubator!



6) Egg turning function

The incubator will automatically turning the eggs once every 90minutes when the power on. You do not need to set anything or press any button to start this function. The turning progress is very slowly and mildly to keep

the eggs safety. If you want to observe the progress you can using a pen write a small dash or do any marks on the egg shell.



When you want to check the rollers turning function to see if they work normally you can press + button once, the rollers will start to turning.

7) Keep waiting for several days

Different eggs have different hatching periods. normal hatching tutorial operation charts are attached at the final of this manual book

There are something you need to do during the time you are waiting. First is keep add water into the incubator. Second is to detect the eggs developing several times during incubating. It is important to pick out bad/dead/unfertilized eggs out. And once you smell bad odor comes from the incubator you need to be alert. Once you do not pick out bad eggs in time all other eggs cannot been hatched successfully. And you need to clean the incubator inside space and disinfect the shell and cover then you can use it for next time.



During the incubating, please do not open the incubator often. This will cause the unstable of temperature and will effect the success hatching rate. The incubator will be alert for temperature if the temp is under the goal temperature too much. Press -- button to mute the alert. You will find the alert

is ringing time to time, do not be scared and nervous about this issue. This problem is usually happening after you open the cover and the temperature is going down. And if you hatching when the environment temperature is low you can put incubator in a warmer place and put inside the foam box you received.



8) Detecting the eggs

With the time pass by you may need to detect the eggs development. The incubator have a lamp on the surface of cover's front corner. Put the egg on and press Lamp logo button you can see the inside situation of eggs. When you see veins inside means the eggs are successful developing. If you see no veins and darkness inside then the egg may stop developing or not fertilized. Then you need to pick them out.

9) Use of ventilation hole

There is a hole and it's cover you can find on the top surface middle place. This is a ventilation hole. Close it when the environment temperature is low. If you leave this open you may find the temperature is not stable. Open it when the incubator shows the temperature is over heated or the environment temperature is high.

10) Chickens/Ducks are about to come out

A couple of days before the eggs are hatched, please take out the rollers and eggs. Then replaced with a hatching net, then put all the eggs carefully on the hatching net. Our hatching net is for chickens or the birds bigger than chickens. If you are hatching smaller birds then you need to put on a towel on the net and then put on the eggs. During this period you need to spray the water. This operation have some points need to be notified. First, the water temperature need to be the same as the incubator setting temperature. A good way is to fill the water in the sprayer bottle and put the bottle inside the incubator. After several hours take the sprayer out and please touch the bottle to feel the temperature. If it is warm then you can spray the water on the eggs surface every 2 hours. In this period, no need to turning the eggs. Only need to spray water time to time.

note: not spray the water or the water temperature

is not very suitable will not cause the hatching total failure. Doing this process well can raise the hatching

success rate.

11) Chickens/Ducks are now pecking the shell



When you see the chickens or ducks are pecking the shell, Congratulations!

If you are not a professional keeper please **do not** intervene this process. **Do not** touch or trying to help chickens peel the shell. It needs several hours for them to come out.

The chickens may comes earlier or later than the expected time. Please pay attention to the incubator time to time in these period. After the chickens come out you can keep them inside the incubator for 1-2days until their feathers are dried. After that you need to take them out and put them into warming house when the environment temperature is not suitable for

your birds.

12) Next batch of eggs hatching

After every time of incubating, you need to clean and disinfect the incubator thoroughly. Check the roller turning function and temperature/humidity showing is good status.

120 eggs incubator:

Press + and - button at the same time and hold on the button for about 5seconds. You will see the screen shows 8888 and alerting is humming. After a few seconds you can start to set the MODE/temperature for new batch of incubating. And follow all the routines as former listed.

4. After-sale service

If you meet any question or trouble on incubating you can contact us first, sending email online is available and we will reply within 24hours in whole year around.

We are very happy to help solve your problem. Please do not be anger or upset when you failed to hatch the eggs. It has a period to learn how to incubate and this is a technique. Technique needs some practise. This incubator is suitable for hatching all kinds of birds eggs. But for some species the success hatching rate is naturally lower than other species like parrots and some other birds. Chickens, ducks, goose, pigeons and quail eggs are easier to incubate.

If you encounter problems such as damage to accessories during the use of the incubator, you can contact us via email first to explain the situation. We will send you replacement parts according to the situation.

5. The functional differences of incubators with different capacities

120 eggs: temperature control + humidity monitor/showing + hatching days counting + egg turning time counting down.

6. Incubator's Original Parameters Call Out and Resect

Parameter name	Parameter code	Parameter description	Factory setting
High temperature alarm value	P1	Alarm when the temperature reaches this value	101.7°F/38.7°C
Upper limit of temperature control	P2	Upper limit of heating	100.4 °F/38°C
Lower limit of temperature control	P3	Lower limit of heating	100.0°F/37.7°C
Low temperature alarm value	P4	Alarm when the temperature reaches this value	99.0 °F/37.2°C
Egg turning cycle	F1	Time between turning eggs	90 minutes
Egg turning time	F2	Egg turning action time	75 seconds
Temperature calibration	F3	Calibration after comparison with standard thermometer	
Humidity calibration	F4	Calibration after comparison with standard hygrometer	
Hatching days	F5	Hatching time record	1
Pulse heating	F6	PID parameter setting of pulse heating	10
Fahrenheit/Celsius conversion	F7	0 for Fahrenheit and 1 for Celsius	0

1) Original Parameters Call Out and Reset

Press and hold the "SET" key button for 6 seconds, until the humidity display digital tube on the lower side of the instrument shows 'P1' (If you continue to click the "SET" button, it will appear "P2,P3,P4.....F7")

For example you need to set Egg Turning Cycle parameters, Just click "+" or "-" key when "F1" is displayed on the panel to adjust, so that the number shows the setting value you need; last press the "SET" key to save the settings. If the value settings are not saved for a long time after adjustment, the system will automatically save them for you.

2) See the following table for the setting codes and meanings of related parameters:

Chicken Egg in winter				
Hatching days	1-7Day	8-13Day	14-18Day	after 19Day
Temperature	100.4°F/38.0 °C	100.1°F/37.8 °C	99.9°F/37.7°C	99.5°F/37.5°C
Humidity	50%-60%	50%-60%	50%-60%	60%-75%
Rotating Egg	√	√	√	no

Spray water	no	no	no	6-8times/day
Lighting inspect egg		the 7th day	the 14th day	
Chicken Egg in summer				
Hatching days	1-7Day	8-13Day	14-18Day	after 19Day
Temperature	100.4°F/38.0°C	100.1°F/37.8°C	99.7°F/37.6°C	99.0°F/37.2°C
Humidity	50%-60%	50%-60%	50%-60%	60%-75%
Rotating Egg	√	√	√	no
Spray water	no	no	no	6-8times/day
Lighting inspect egg		the 7th day	the 14th day	

7. ATTACHMENT 1: Suggested incubation temperature and humidity

8. ATTACHMENT 2: Machine's main resolution when you found problem

1. How to deal with the machine alarm?

Press the “-” key to mute the alarm reminder. The machine will automatically return to normal. Pls put the incubator in a warm and stable environment. If the temperature is still too low you can add the foam box to help.

2. How to judge if the machine turns eggs properly?

When the machine is powered on, press the “+” button and when the egg-turning indicator lights on you can see the yellow long shaft in the machine is rotating. Or touch it by hand if it is hard to observe. When the egg-turning indicator light is off the incubator will turning eggs every 90mins once. No need to press button manually to let the rollers turning.

3. How to deal with temperature fluctuation?

The temperature probe in the machine measures the space temperature, and the refresh rate is 6 times/second. So, it is normal for the instrument temperature to fluctuate within 1-2°F, which will not cause any impact on breeding eggs.

If the fluctuation exceeds 3°F, please perform the following operations: close the vent, put on the foam insulation layer of the machine. Be careful to check the cover, there is a hole on the top surface. Keep sure the hole is off.

4. What to do if the incubator cannot reach the preset temperature?

If the temperature is set at 100°F/37.7°C, and the machine temperature cannot reach the preset temperature after one hour, you should perform the following operations:

- a. First, check the temperature of the space where the machine is located. If it is lower than 5°F/2°C, it is recommended to seek a warmer room for incubation.
- b. Cover the machine with thermal insulation layer and wrap the machine with a quilt to reduce temperature loss.
- c. Raise the preset temperature and increase the workload of heater wire. For example, if the preset temperature is 100°F and the machine heats up to 97°F, set the temperature to 105°F and the machine temperature will remain around 102°F.

5. What to do if the incubator temperature doesn't drop?

When incubating in summer, sometimes over-temperature occurs due to too high indoor temperature. Open the vent and remove the thermal insulation layer of the machine. If it does not work, please change the machine to a cooler space. Be careful to check the cover, there is a hole on the top surface. Keep sure the hole is on.

If the temperature outside is higher than the incubation temperature needed by the machine, it is recommended to stop incubating until the high temperature is over; Or place breeding eggs outside, spray water every day, and you may hatch chicks under the sunlight.

6. What if the led screen shows EEE?

If you found the incubator led screen shows EEE, you can fix it in the follow way or contact seller to change a new one for you. This problem is due to the wire is loose for the led screen. If you have screwdriver you can tear up the sticker on the screen surface and you can remove the screws on the control panel then you can see the back side. There are several set of wires. Please re plug them tightly and then plug the incubator into power. Our machine were shipped from overseas, some spare parts may get loose and cause this problem.

9. ATTACHMENT3: 120 Eggs/176Eggs Incubator Installation Instructions

- ①Prepare 4 hoardings and 1 load-bearing bar
- ②The 4 hoarding boards are arranged in a square shape,and the hoarding boards are all equipped with holes,which are fixed with screws(There are two layers that need to be installed in the middle of the 176 egg incubator)
- ③There are screw holes between the enclosures,which are fixed with screws
- ④The load-bearing bar is fixed in the middle and has a fixed interface, which must be fixed with screws(Place the successfully assembled second layer on top of the first layer)
- ⑤The roller is put on last, pay attention to the roller must be put neatly
- ⑥Connect the power cord (Note: When the chicks are pecking their shells remove the rollers and put on the hatching net)

