



Fig. 1: Base, with two water tanks inside and 2 holes on the sides. For example, when first day using Please fill 300-350ml water to water tank No. 1, 100-150ml water shall be filled on the following every day so as to ensure that there's always water in the tank. 18 days later, water tank No. 2 shall also be filled with water, 200-250ml for the first time. The two water tanks shall always have water from day 18th-22nd (as it requires higher humidity within the hatching days). We recommend users put the device on a 60-80CM height table.



Fig. 2: mesh plate, with the smooth surface as the upside, so that it's good for turning of egg.



Fig. 3: Put the egg tray on the mesh plate, and put the egg tray grille according to size of egg for incubation, the width of each space shall be 5-10mm bigger than the diameter of egg, so that it's good for turning of egg.



Fig. 4: pay attention that there's an egg turning rod in the transparent case at the upper part of device. The rod must insert into the channel of egg tray for the egg turning. The egg turning motor runs as long as the device is powered on. It runs one cycle every four hours so that it's very slow. The egg is turned once about every 4 hours.



Fig. 5: the upper cover is put together with the base, please make sure the cover is completely closed. The egg turning rod shall insert into the channel of movable egg tray. The device can begin to work after powered on.



Fig. 6: Please don't worry about the fuse link besides the power socket, and don't move it as in normal use. The fuse link may be damaged if the device doesn't work after powered on, the fan doesn't run

and there's no temperature display. The device begins to work after powered-on, the temperature may display "L" at the beginning, at the moment, you should only need to push one of the three buttons on the device to display the temperature. Please don't adjust the parameter if you are not quite familiar with the control parameter description. It will be fine if you hatch egg as factory preset, and it still has high hatchability. Turn the cross-ventilation hole on the upper right side to the maximum 18 days later.



Fig. 7: when the egg is about to hatch poult (that is days 18 or 19), take the movable egg tray out from the device the egg tray once one or two hatching eggs are seen hatched. Don't turn the egg to ensure humidity of device, and clean the egg shell on time after hatching, and the poult can be taken out for feeding or vaccination after the fur on body get dry. The subsequent cultivation technology is omitted here.

I. Cautions:

1. Unpack the box and check the incubator, check whether all of the accessories inside of the packing box are well-equipped, including one power line, one base, one mesh plate, one movable egg tray, 6 egg tray grilles, one cover.
2. Note: when ambient temperature is less than 25°C, measure shall be taken for heat preservation, it's good for temperature uniformity when the device is enclosed with clothes or other warms, and it also helps energy-saving and reduces heat dissipation. Use thermometer to correct temperature display before use, CA parameter can be adjusted.
3. The incubator can be placed into service after 2-hour trial run. It's best to clean the base, egg tray and mesh plate before test.

II. Operating Steps:

1. Put the movable egg tray on the mesh plate.
3. Put the egg tray grille into movable egg tray according to size of egg for incubation.
4. Put the hatching egg into movable egg tray for incubation, pay attention that after each egg is put into the grille, there should be 5-10mm clearance

at least for convenient turning of hatching egg, inject 300ml water into the base after the hatching egg is put, check once for every day so that the incubator is not short of water. Every water injection shall not be more than 100-150ml, take down the date of placing hatching egg so as to well control the hatching time. It's best to place the incubator on 60-80CM table for convenient observation.

5. When closing the cover, the rod must insert the shifting slot of movable egg tray, so that the egg tray can shift normally.
6. Switch on the power supply after closing the cover, and set the temperature according to Push-Button Instruction and Incubation Technology. If the user has no time to care about the temperature, the temperature can be set at 38°C from the first day of incubation to first day of hatching, and it can be set as 37.5-37.8°C since the following day of hatching.
7. It moves to hatching tray 3 days earlier than incubation period for all poultries.
8. It usually takes 3-4 days less than the number of incubation days for egg tray replacement, replace the egg tray once one or two hatching eggs are seen hatched, and then take the movable egg tray and grille out.
9. After closing the cover and switching on the power supply, the hatching situation can be observed.

III. Important for Safety

1. Only the power supply marked on the incubator can be used.
 2. Don't put any goods on the wire, the power line of incubator shall be placed where it won't be stepped on or make people trip and fall;
 3. Make sure that the socket and extension line in use have no overload, other-wise, it may cause fire or electric shock;
 4. If the incubator is smoking, or sending abnormal smell or unusual noise, please cut off the power supply and pull down the power line to stop the fault, after that, contact the agency or maintenance center;
 5. Please don't touch the power line with wet hand, or it may cause electric shock;
 6. This incubator can't be exposed to rain and sunshine;
 7. Make sure that the power supply is switched off before cleaning the incubator;
 8. The incubator shall be placed in room where is ventilated without vibratory equipment, it can't be placed in room with fast air movement or room with harmful and noxious chemicals and other pollutants.
- IV. Push-button Instruction:**
- 1. SET:**

- A:** Push SET once to enter temperature control set, push <+> or <-> to adjust

parameter, push <+> or <-> for 3s to enter fast adjustment mode, push SET again to exit from setting state.
 B: Push SET for 3s to enter system menu set, push <+> or <-> to select menu in need of adjustment, then push SET again to enter relative parameter setting state, push <+> or <-> to adjust parameter in need of modification, push RST to exit after adjustment, or the system will exits after 5s delay.

- 2.<+>: Up button
- 3.<->: Down button

Operation Instruction:
 Indicating lamp state instruction:

WORK lamp on the left side of display screen is made as work indicating lamp, LED normally on means it's in heating state. SET lamp on the left side of display screen is used for indicating lamp set, LED normally on means it's in setting state.

Function instruction:
 ◆ HU, HD:

Parameter HU and HD is set by factory, the user unless the professional is not allowed to adjust it.

◆ Temperature correction set:
 When measuring temperature deviates from reference temperature, temperature correction <CA> function shall be used to make the measuring value in accordance with reference temperature, temperature after correction shall be the sum of temperature before correction and correction value (correction value can be positive number, negative number or zero).

◆ Temperature correction set:
 Push "SET" for 3s to enter menu display, push <+> or <-> until code "CA" appears on screen, then push "SET" to display temperature correction setting value, push <+> or <-> again to adjust parameter.

◆ Upper and lower limit function:
 HS and LS set limits setting range of temperature control, e.g., if HS is set as 39.5 and LS is set as 30, then the temperature can only be set from 30 to 39.5, so the display value still keeps as 30 after pushing "-" if it displays 30; the display value still keeps as 39.5 after pushing "+" if it displays 39.5. If setting value is beyond the setting range, then HS and LS must be changed at first.

◆ Upper and lower limit set:
 Push "SET" 3s to enter menu display, push <+> or <-> until code "HS" or "LS" appears on screen, push "SET" to display upper or lower limit

setting value, then push <+> or <-> to adjust the parameter. HS means upper limit and LS means lower limit.

Code	Description	Setting range	Factory set	Unit
HU	Heating power parameter	1-90	35	
HD	Heat preservation power parameter	1-80	40	
LS	Lower limit set	-9.9~HS	30	℃
HS	Upper limit set	LS~99.9	39.5	℃
CA	Temperature correction	-5~+5	XX	℃
AH	Factory set, not adjustable	0-15	--	℃
AL	Factory set, not adjustable	0-15	--	℃

V. Incubation Technology

1. Incubation temperature control

Different poultry requires different temperatures: incubation period of chicken is 21 days, it's 38.2℃ from 1st~6th day, 38℃ from 7th~14th day, 37.8℃ on 15th day, and 37.2~37.5℃ from 16th~21st day.

2. Humidity control: It requires different relative humidity in different period of incubation. The relative humidity shall keep within 55%~60% at the earlier stage of incubation to ensure even heating for embryo, which is good for formation of allantoic fluid and amniotic fluid, the relative humidity shall keep within 30%~55% at the middle stage of incubation, which is good for evaporation of water, the relative humidity at the last stage of incubation shall be increased to 65%~75%, as high relative humidity is good for poult to hatch, when above 20% of poult hatches, the relative humidity shall keep at 75%~85%.

3. Cleaning and sterilization before incubation: wash and clean the incubator, then suffumigate it with potassium permanganate and formalin.

4. Incubation equipment inspection before incubation: check all of the parts completely and observe whether the fan rotation device works normally and whether all of the components are in good condition, then adjust the temperature and feed water to the tank. Make a 12-24 hours' trial again when the incubator reaches temperature and humidity requirement, if the incubator works normally, it can be put into running.

5. Choose and store fresh egg within 5 days (7 days at most) as hatching egg, as for the egg stored for more than 5 days, 4% less the incubation rate and 30 minutes prolonged incubation period for one more day storage. The proper temperature for hatching egg storage is 12℃~16℃. The smaller side shall be put upside during hatching egg storage.



6. Notes for off-tray period: The process to remove from egg tray to hatching tray is called off-tray; the chick embryo usually removes off the tray at an age of 18-19 days. It shall be placed gently during off-tray, it's best to lay to single layer. It also removes to hatching tray 3 days earlier than incubation period for other poultry.

Poultry Incubation Parameter

Poultry	Number of days	Incubation period		Hatching period		Hatching egg weight G
		Temperature °C ±0.5	Humidity %	Temperature °C ±0.5	Humidity %	
Chicken	21	38	55-75	37.5	65-85	100-120
Dove	18	38.5	55-75	37.8	65-85	30-40
Local chicken	21	37.9	55-75	37.5	65-85	45-55

JANOEL24

Automatic Incubator Operation Instruction



Dear users, thank you for choosing "JANOEL" brand series of incubation equipment. reading the manual carefully before operating the machine, if you feel the description is not detailed or do not understand in the manual. Please DO NOT try to adjust the temperature parameters in the machine when hatching eggs. The parameters are set by the factory. Chicken could be hatch successfully.