Rcom KINGSURO ECO Hatcher 20*
Australian Version
for use with most small incubators.

*capacity approx 20 chicken eggs actual capacity depends on egg size

Australian website eshop.bellsouth.com.au

Rcom DIGITAL INCUBATOR
www.Rcom.co.kr

Ver E 1.1B Australian

1. Safety Precautions

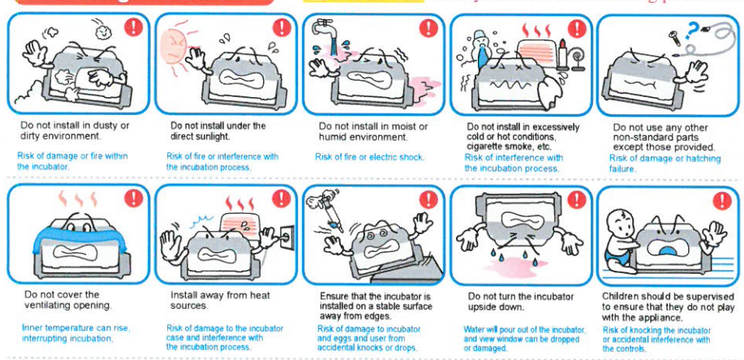
Electrical hazards

⚠CAUTION Always observe the following precautions.

Do not use a damaged power cord or loose outlet. — Risk of electric shock or fire.
Do not pull the cord when taking out the power cord, and keep wet hands away from connecting plug. — Risk of electric shock or fire.
Never pull the plug out of the outlet during the incubation period. — Incubation will be interrupted.
Do not twist or crush electric cord. — Risk of electric shock or fire.
Do not insert multiple connecting plugs in an outlet. — Risk of fire or electrical overload.

Setting Cautions

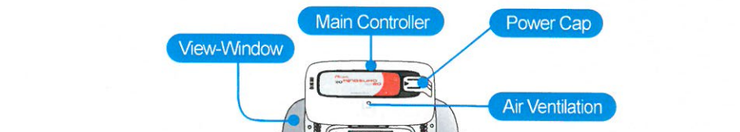
⚠CAUTION Always observe the following precautions.



Do not install in dusty or dirty environment. — Risk of damage or fire within the incubator.
Do not install under the direct sunlight. — Risk of fire or interference with the incubation process.
Do not install in moist or humid environment. — Risk of fire or electric shock.
Do not install in excessively cold or hot conditions, cigarette smoke, etc. — Risk of interference with the incubation process.
Do not use any other non-standard parts except those provided. — Risk of damage or hatching failure.
Do not cover the ventilating opening. — Inner temperature can rise, interrupting incubation.
Install away from heat sources. — Risk of damage to the incubator case and interference with the incubation process.
Ensure that the incubator is installed on a stable surface away from edges. — Risk of damage to incubator and eggs and user from accidental knocks or drops.
Do not turn the incubator upside down. — Water will pour out of the incubator, and view window can be dropped or damaged.
Children should be supervised to ensure that they do not play with the appliance. — Risk of knocking the incubator or accidental interference with the controls.
Do not disassemble or modify the incubator in any way. — Risk of electric shock or fire.
Please ensure that no small objects get into the holes on the incubator. — Risk of electric shock or fire.
If the incubator sounds strange or emits smoke contact your service center. — Risk of electric shock or fire.
Clean the incubator thoroughly before storing. Make sure the incubator is completely dry during storage.
If the incubator requires repair ,always disconnect it from the power supply and contact your service center.

Cleaning Cautions

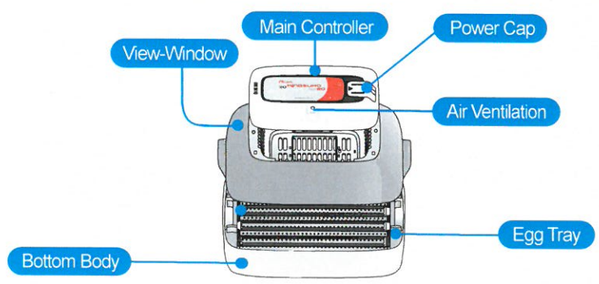
⚠CAUTION Be sure to disconnect the electricity cord from the outlet before cleaning.



Do not spray cleanser directly on the incubator surface.
Clean the incubator by a soft cloth with a neutral detergent.
Brush away dust on the plug with a dry cloth.
Do not use chemicals like wax, benzene, alcohol, thinner, aromatic, or lubricant, etc.
For special cleaning of sensitive components, contact your service center.
If you don't clean the inside of incubator, dust and feather dander can cause a lack of incubator sensitivity and/or damage.

※ This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

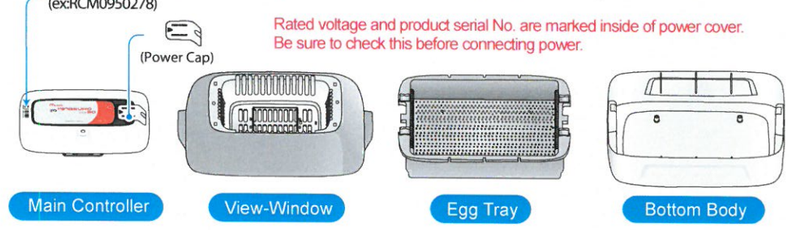
2. Identification of Parts



3. Basic components

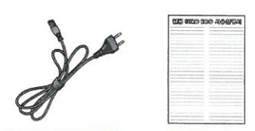
Your Serial no: is located on the left-side of the main controller. Please be sure not to damage the serial no: label. (ex:RCM0950278)

Rated voltage and product serial No. are marked inside of power cover. Be sure to check this before connecting power.

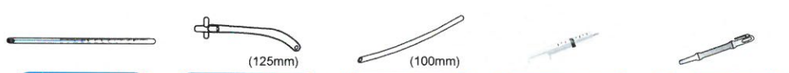


Main Controller | View-Window | Egg Tray | Bottom Body

(1pcs.) Power Cover fixing bolt
(2pcs.) Main Controller Assembly Bolts
(2pcs.) V-Pin
Hatching Pad



Power Cord | Manual | Humidity Pad



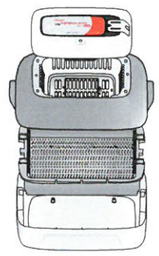
Thermometer | Nipple (1pcs.) | Silicon Tube | Humidity Injector | Screw Driver

4. Display

- Name & Function of operational parts
  - ① Heater Operation Lamp
    - Light turns on when heating
  - ② Temperature Control Regulator (under power Cap)
    - Use screw driver. Turn to "+" will increase temperature. Turning towards "-" will decrease temperature.

5. How to Assemble (Before Using)

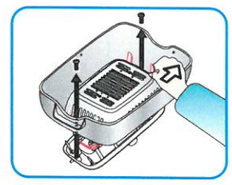
1



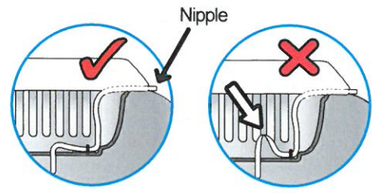
Please remove all packing from the incubator and its parts, then check each part is present and undamaged. (Please keep the carton and packing materials for repacking when not in use, this keeps the incubator in good condition.)

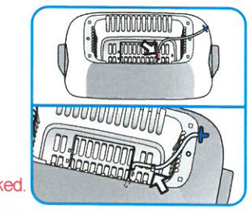
2

▶ (This should be already done for you) Loosen the 2 screws as shown on the right. Then disassemble the Main-controller and View-window by pushing out the 4 hooks on the Main-controller.



▶ Fix silicone tube with attached nipple into the incubator as shown below



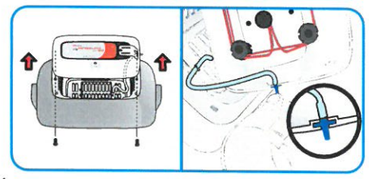


⚠ Be careful to ensure the silicon tube is not folded or kinked.

3

▶ Insert the nipple into its holder, located on the edge of main controller, then reattach the View-window to the Main Controller using the 2 screws.

⚠ Please do not tighten the screws too much.



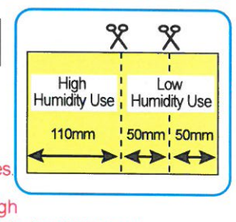
4

How to cut and fold the Humidity pad properly.

50mm X 150mm
(Low Humidity Use : Under 60% Humidity inside the incubator)

110mm X 150mm
(High Humidity Use : Over 60% Humidity inside the incubator)

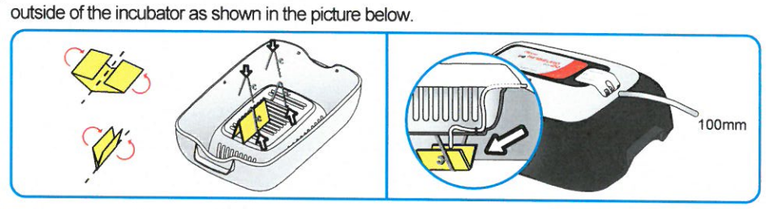
After cutting the Humidity pad to your chosen size (as above), fold it up and install it, using two V-Pins as shown below.



⚠ Humidification capabilites change as the pad size changes. Please make sure that the silicon tube end is located directly on the Humidity pad. 50X150mm pad is enough for hatching when moist, add 5-10ml if pad appears to be drying out.

※ The 'lifespan' of a Humidity pad is 4~6 months, but if you use dirty water, the pads life will be shorter. (Using Distilled-water is strongly recommended) Humidity pad can be purchased separately.

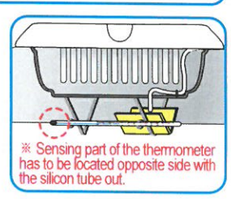
▶ outside of the incubator as shown in the picture below.



5

▶ Please place the thermometer onto the V-pin as shown in the picture on the right.

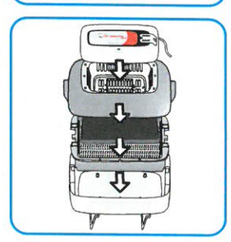
⚠ If you push the thermometer too hard into the V-pin it can break. So please be gentle. Please make sure the thermometer is placed as shown. The sensing part of the thermometer must be as shown, on same side with the picture. Also, to ensure accurate temperature readings, the thermometer must not touch the humidity pad.



6

▶ Please assemble Bottom-body, Tray, and Hatching-pad in order, as shown in the picture to the right.

⚠ Ensure the Hatching-pad is placed on the Tray. After hatching is finished, completely wash and dry the Hatching-pad straight away. It is re-useable. Please keep and use the hatching pad, if it is not used during incubation, the hatching rate will be lower.



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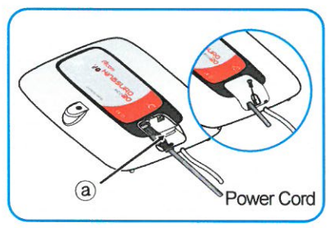
6. How to install hatcher

▶ Open the power cap to insert the power cord.

⚠ Be careful and ensure the cord is not jammed when you tighten screw bolt.

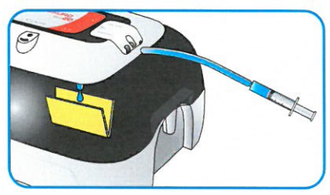
▶ Ensure rated voltage of the incubator ⓐ.
If you open power cap, the sticker has rated voltage in the position picture. ⓐ



▶ Let the incubator run for an hour or so, check the temperature is correct, 37.5 degrees celcius.Adjust temperature with supplied screwdriver. [Ref. 10]. Let machine run again and check temperature, when satisfied scew on power cap.

▶ Slowly inject water with provided syringe, and ensure drops land on humidity pad.

⚠ If you put too much pressure on syringe water can drop on eggs.



▶ Place eggs into hatcher, 20 medium chook eggs and 16 large chook eggs should without any trouble.

Tip When first operated, there could be an odor temporarily, but this is normal.

Tip Set the eggs in the hatcher, and then operate 1~2 hours to stabilise internal temperature.

If the view window is not closed completely, internal temperature will not increase.

7. Air vent

▶ During hatch the eggs warm up so most often the air vent is left open.

8. Hatching Termination

※ There is no specified ON or OFF button on the hatcher.

▶ Just unplug the power cord after hatching.

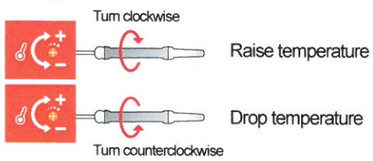
9. Water supply for humidity.

▶ Using the provided syringe, inject 10ml of water onto the humidity pad at least twice a day, or 15ml for overnight.

Suitable installation environment	Temperature and humidity at the installation site are low [Below 20°C(68°F), 40%]	Temperature and humidity at the installation site are high [Over 25°C(77°F), 60%]	
2 times everyday for hatching is good.	2 ~ 3 times a day	1 ~ 2 times a day	
Humidity pad (50mm x 150mm)			

10. How to set temperature.

▶ If you want to adjust the desired temperature, open the power cap and turn temperature control volume using the supplied driver.



⚠ Temperature regulator can be damaged if you use unspecified tool, and repair service will be required

⚠ Temperature control is very sensitive. therefore, turn it little by little.
(After setting, read temperature about 10~20 minutes later.)

⚠ In the first time when putting the eggs, adjust temperature after 1~3hours for stabilization.
Please do not turn high from the first time, raise temperature from low to high little by little carefully.

11. Maintenance after Hatching

▶ Chicks are weak just after hatching, and need time to recover.

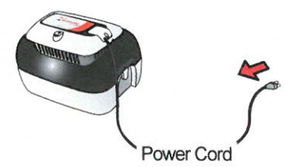
Please let them stay in the hatcher for 1 day or until fluffy and dry after hatching.

A brooder will be essential after this , set at appropriate hight and temperature. Prepare the brooder in advance, the brooder should be ready and warm before first bird is fluffy and dry and ready to be transferred to the brooder.

12. How to clean up after hatching finished

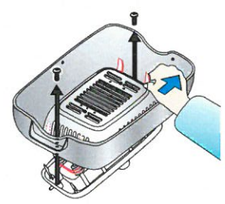
⚠ Be sure to pull out the power cord before cleaning hatcher.

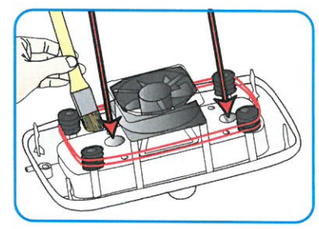
Tip After hatch is finished, never leave the hatcher covered with the lid as moisture is detrimental. Completely dry out hatcher post hatch and before storage as it may affect future hatching performance. Disinfection between hatches is wise.



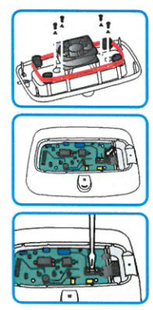
▶ Remove Main-controller from View-window.

▶ Clean out all dander, hatch material and feathers. Please do not brush too hard as the sensor, heater or fan can be damaged.





13. How to replace the Fuse.



▶ If you have power failure even though you plug in power cord, please check the Fuse. If you disassemble the PC board after loosening 4 screws as left picture, there is a Fuse, and if the Fuse is damaged, please remove and replace it.

▶ Please make sure the Fuse is standard.
(250V 2A Ø5*20mm)

▶ After replacing the Fuse, please reassemble in reverse order of disassembly.

⚠ If the lid is not perfectly assembled, the rubber seals will not perfectly block the moisture from incubation room, and this can break the PC board.

Tip You can purchase the fuse seperately (2Amp fuse).

14. Specification

power input	AC 100~120[V], 50/60[Hz] / AC 220~240[V], 50/60[Hz]		
power consumption	Max : 48[W]	Average : 25[W]	
Operating serviceable temp.	20 ~ 42[?] (68~107.6[?])		
Size	(W)370×(D)231×(H)209 [mm]		
Weight	2.4[kg]		
Fuse Standard	250[V] 2[A] (Ø5×20[mm])		
Incubation Capacity	Chick : 24[eggs]	Duck : 20[eggs]	Duck : 9 ~ 12[eggs]
	Pheasant : 40[eggs]	Quail : 60[eggs]	Amazone / Macaw : 36[eggs]

⚠ Hatching results can be changed by a large number of factors. Autoelex Co.,Ltd. & our distributors will not take a responsibility for loss of eggs or animals under any circumstances such as hatching failure, user's carelessness, power failure, or malfunction. Also, please be sure that the incubator works without any problem before placing eggs in the incubator.

Visit our web site (www.r-com.co.kr) for more information on our products and other informations. Update of information : download the necessary information from resource room in Rcom homepage. Rcom digital incubator is designed for easy and convenient use. For the improvement of the functions of the incubator, design, how to use, etc. can be changed without notice in advance.

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