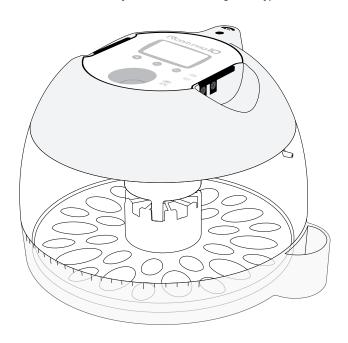
Love of life begins with "Rcom"



DIGITAL EGG INCUBATOR USER'S MANUAL

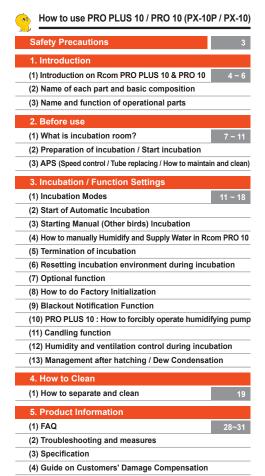
PX-10P & PX-10 / EX-10P & EX-10

*Please refer to the table of contents when you read the manual because there is a variety of methods according to the type of model.





Contents





The success of incubation may vary according to different factors.

The manufacturer and distributor are not responsible for failure of incubation of costly eggs, loss of life, property damage due to negligence of user, remodeling, painting, modification of purpose of use or power failure. When incubating parrot or costly birds please verify the internal temperature (adjust) before use. Please read carefully the instruction manual before use to avoid failures.



PRO

10

Safety precautions

Electrical hazards

ACAUTION Be careful the details below when you use.



cord or loose outlet.



Do not use a damaged power Do not pull the cord when taking out the power cord, and ekeep wet hands away from period. connecting plug.



Never pull the plug out of the Do not twist or crush electric

► Incubation will be interrupted.



cord.



Do not insert multiple connecting plugs in an outlet

Setting Cautions

ACAUTION Be careful the details below when you use.



Do not install the product in dusty or unclean places.

interior they may cause electric



Do not install the product under direct sunlight.



Do not install the product in wet or moist places.

electric shock or fire.



Avoid too cold or hot place and do not dispose the product near candles, mosqui to coil, cigarette fire or any

heating equipment.



Do not use any other part than assigned ones



Do not block the ventilation hole with cover.

Lack of ventilation may



Do not have any heating device near the power cord.

▶ When the cord sheath is melted it may cause fire or electric shock.



Do not place on a moving shelf, inclinated place, unstable place or any place with severe vibration.

Product may fall resulting breakdown or damage. he vibration may reduce the



Do not overturn the product. ▶ The water within the main body may pour onto

electronics or the sight glass may be damaged.



Do not let a child assemble the product. Must be assembled by a competent adult.



Do not arbitrarily disassemble, repair nor modify/remodel.



Supervise children near supervise children near product. Do not to introduce any metal object, nail, clip or egg shell to the external hole of the device.

It may cause electric shock, fire or injury.



If the device produces any abnormal sound or smoke please immediately disconnect the power plug and contact to the service

center.

It may produce electric shock or fire.



When not using the device for When dropped or damaged When not using the device for long time, please disconnect the power plug, clean, dry and maintain it properly.

The accumulated dust may produce electric shock, power leakage or fire due to heating, ignition or deterioration of insulation.



Cleaning Cautions

ACAUTION Be sure to disconnect the electric cord from the outlet before cleaning cleaning.







When cleaning please disconnect the power cord and polish the device with a smooth, clean cloth.

Do not use any chemic product as wax, benzene,



Please contact the service or customer consultation center at least once a year for device check-up.

► The dust accumulated for long time in the interior of the product may produce fire or heraldown

Do not spray the detergent directly to the exterior part of the device.

It may increase the possibility of discoloration peeling of printed part, etc when directly sprayed



If there is any dust in the pin or accessing part of the power plug, please clean it with dry patch.

If not, it may cause

Rcom PRO PULS 10 & PRO 10

First of all thanks to every customer who purchased our Rcom 10.

The Rcom 10 automatically creates and maintains an optimal incubation environment using state-of-the-art technology digital control methods and has been designed for easy and simple use. The Rcom 10 provides the optimal environment, however the user needs to carefully observe and adjust environmental factors such as temperature, humidity, installation location and other conditions necessary for the incubation of different kind of birds Even though the Rcom 10 is designed to provide the optimal setting for every kind of environment necessary for the incubation of eggs, we sincerely suggest you carefully read the instructions before use to allow for the successful incubation and proper use of the device.

Features of Rcom PRO PULS 10 & PRO 10

[MAIN FUNCTIONS]

- * Special mechanism without egg rotation noise. PRO PLUS (PRO
- * Streamlined high quality design in the shape of an egg. PRO PLUS PRO
- * Clean and transparent large view-window. (PRO PLUS) (PRO
- * One-touch separation of electronic controller assembly allows convenient cleaning. \bigcirc PRO
- * Design incorporates principles to reduce germ reproduction such as minimizing interior mechanisms which reduced the opportunity for bacterial propogation. (PRO PLUS) (PRO)
- * Variable air control lever which enables the interior air volume of the device, to be altered. (PRO PLUS)
- * Artificial intelligence based electronics with the state-of-the-art controlling technology designed by Rcom. (PRO PLUS) (PRO
- * Capacity of simultaneous hatching of 10~15 standard size eggs. (PRO PLUS) (PRO
- * Rotational Heater Support which enables the easy adjustment of heater tension. PRO PLUS (PRO
- * Air control lever which induces the fresh exterior air minimizing the effects on the insulation.
- * Integrated candling facility. PRO PLUS PRO
- * Automatic egg rotating function (rotating disk method) with adjustable egg rotation timing.(i.e 1h, 2h, 3h) PRO
- * Ability to adjust the egg rotation angle. PRO PLUS PRO
- * Improved reliability based on the application of 3rd Generation Temperature-Humidity Sensor of Sensirion Co. Ltd. (Switzerland). (PRO PLUS) (PRO)
- * Convenient humidification device based on the Automatic Pumping System(A.P.S) for humidification (PRO PLUS)
- * Automatic temperature, humidity adjustment and setup functions. (PRO PLUS)
- * Automatic temperature adjustment and setup functions.

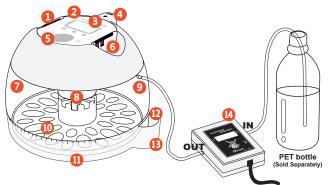
[CONVENIENT FUNCTIONS]

- * Clamped structure which prevents the leakage of water drops inside the view-window (dew condensation) out of the device. (PRO PLUS) (PRO)
- * One touch separation of upper part (main controller) for convenient cleaning after incubation and reparation. (PRO PLUS) (PRO)
- * External water input hole and moisturizing device for easy supply of water for moisturizing.
- * Egg Tray which can simultaneously store different types of eggs. (PRO PLUS) (PRO
- * Incorporated LED internal lighting. (PRO PLUS) (PRO
- * Large LCD display which enables the easy view of the diverse information on the device. (PRO PLUE)
- * Function of switching Celsius and Fahrenheit degrees. (PRO PLUS) (PRO
- * Alarm and sign which notices the abnormal temperature (high and low) for suddent change of external temperature. (PRO PLUE) (PRO)
- * Applied Water Nipple for easy supply of water for moisturing. PRO PLUS
- ** The PRO model does not include the APS. By installing the additional APS (sold seperately) it can be used as PRO PLUS model.

4

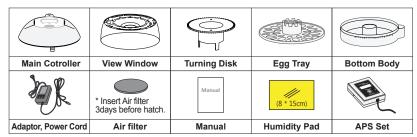
Name of each part

- ① Serial no.
- ② Main Controller
- 3 LCD
- 4 Ventilation Control Lever
- ⑤ Candling Zone
- 6 Handle
- 7 View Window
- 8 Turning Disk
- Humidification Nipple
- *Nipple is separately sold from Rcom 10
- 10 Egg Tray
- 11 Bottom Body
- ② Water hole for manual humidification
- Manual egg turning handle
- Automatic pumping system(APS)
- *APS is separately sold from Rcom 10



Basic Composition

- * The Serial No. of the product is noted on the left side of the main controller. Please do not damage it. (Ex:RCM0000000)
- * The air filter (1 set: 5 units) and humidity pad are sold separately.

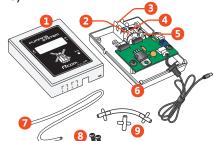


*The Pro model does not include the Humidity Pad and APS.

By installing the additional APS(Sold Separately) it can be used as PRO PLUS model.

Composition of Automatic Pumping System (APS)

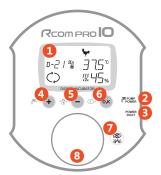
- ① Pump Case
- ② Roller
- ③ Pumping Motor
- 4 Gear
- ⑤ Pump Frame
- 6 Pump Main Body
- $\centcolor{}$ Silicon Tube 1.5m (Diameter : $\centcolor{}$ 2.6 × 3.5)
- ® Bolt (2pcs.)
- $\ \, \mbox{\Large (3pcs.)}$ [Diameter : $\mbox{\Large (2.6}\times 3.5]$



Name and function of operational parts

- ① Display (LCD) : Shows the incubation environment.
- ② Automatic Pumping System (APS) connection socket: It is the socket which connects the APS to the device.
- $\ensuremath{\mathfrak{I}}$ Power adaptor connection socket :This socket allows power into to the device.
- $\ensuremath{\textcircled{4}}$ Up button : Used to select menu or to increase value.
- ⑤ Down button : Used to select menu or to decrease value.
- 6 Menu selection button: Button to save setup values.
- ② Candling button / Back button: Used to turn ON/OFF the candling function or to go back to previous step in setup selections.
- $\ensuremath{\$}$ Candling zone : Used as candling device by pressing the Candling button.





(+) ⋅8 · (−)	Factory DefautIt Reset: The reset can be done by pressing 2 buttons at the same time for 1 seconds (only during incubation)
+ (%)	Option setup: The option can be setup by pressing 2 buttons at the same time for 3 seconds.
О.К	Menu selection / Egg rotation test / Setup value verification during incubation.
+	Increase value / 5 seconds : forcible pump operation / 10 seconds : forced pump operation for 2 minutes.
<u> </u>	Decrease value / Termination of incubation.
Ø	While the button is pressed the candling function is turned on. When setup menu: moves to previous step.

ICON		Name and function	ICON	Name and function
Chicken	Pheasant	Chicken ↔ Pheasant ↔	\Diamond	Shows operating Egg rotation
Duck Quall Other birds Bird Icon Display		Other birds ↔ Quail ↔	(5)	Shows Egg rotation suspended
		Duck (according to above order)	\bigcirc	Shows Terminated Egg rotation
D-E	38	Days until hatching	H.H.H.H	Show Temperature / Optional function
&	SS _{FI}	Shows Heater OFF/ON	88	Shows humidity units
°C °F		Shows Humidification OFF/ON	%	Shows humidity value
		Shows unit of Celsius / Fahrenheit	€	Shows blackout notification

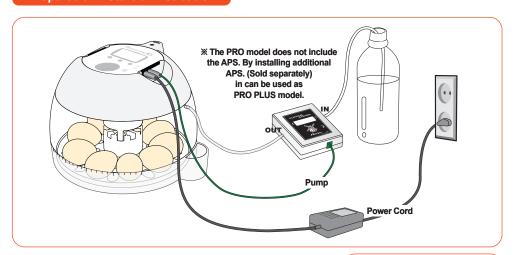
X Explanation on Optional Functions (Refer to 15~16P)

1. T.CA	⚠ It is not recommendable direct adjustment by user. Please contact agent or supplier.			
2. H.CA	⚠ It is not recommendable direct adjustment by user. Please contact agent or supplier.			
3. HI	Sounds alarm when the incubator temperature is higher than setup value, due to external environmental change or other anomaly. [Default value : 2.0°C]			
4. LO	Sounds alarm when the incubator temperature is lower than setup value due to external environmental change or other anomaly. [Default value : -3.0°C]			
5. C/F	Modification of Celsius (°C), Fahrenheit (°F) degrees [Default value : Celsius (°C)]			
6. B.Lt	LCD back light ON/OFF/EVENT ON setup [Default value : ON]			
7. In.L	Device's interior lighting ON/OFF setup [Default value : ON]			
8. Snd	Device's button sound ON/OFF setup [Default value : ON]			
9. Info	Shows the basic information of this device. (Shows version information)			

What is Hatching room?

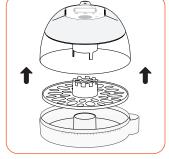
What is a hatching room? This is the location where the incubator is installed and operated. As the environment affects the hatching rate the place of installation must be a place with low nearby noise or vibration, and nearby temperature must be $22\sim25^{\circ}$ (71.6~77°F) with low temperature difference. Especially in night time the temperature is lowered than daytime therefore it surely must be verified, and in daytime the device must never be exposed directly under the sunlight. Also the place must not have direct ventilation as air conditioner to the device.

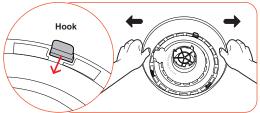
Preparation / Start of Incubation



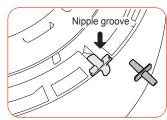
- ▶ Separate each part for assembly and verify if there is any missing or damaged parts. Please do not discard the product box, use it to store the product safely.
- Register the Serial NO. of the left side of the main controller's handle. The free guarantee term will be extended to 2 years. Reference the details in the Rcom home page. [www.Rcom.co.kr → Customers' service → Registration of product client]
- ▶ There are 3 hooks connected to the main controller in the inner side of the view-window.

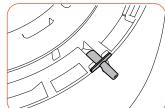
 Place the product on a flat desk. Hold the window with both hands and pull it outward to the left and right sides. Then, the hook will come out and the main controller and the window are easily separated. It is possible to disassemble the device easily by pulling the window up and down.





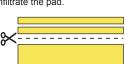
▶ Please insert the nipple into the nipple groove as shown in the image.

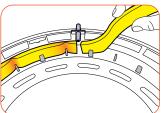


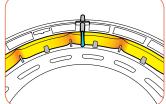


► Cut the humidity pad in 2 pieces of 10 x 150mm size and fix them to the outer groove of each side of the view-window. Fix them in each side with the nipple as the center.

This allows the water to easily infiltrate the pad.





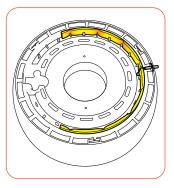




⚠ The maximum/minimum humidification capacity varies according to the size of the humidification pad.

The life of humidification pad is 4~6 months under normal usage conditions but if the water quality is improper the life might be reduced. (Please use distilled or purified water for moisturizing.)

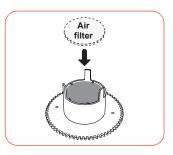
The humidification pad can be purchased separately.



▶ Please insert air filer into the lower groove of egg turning disk as shown in the picture 3day before hatching.



⚠ Please wash the air filter before use, as dust in the air filter during use this may disrupt proper air circulation.

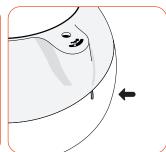


Assemble in this order : view-window, egg rotation disk, main controller and fix the view window and main controller with 3 hooks.

(In the PRO 10 model the nipple and APS are sold separately.)

When assembled, the grooves of air control lever and viewwindow should line up.



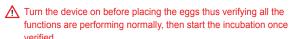


It is recommended to sterilize both the eggs and the incubator interior before loading the eggs. [Reference Rcom Antiseptic Solution] Assemble the main body (lower part) and tray and place the eggs in, adjusting the location according to egg size.

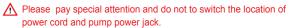


▶ Place the eggs and close the view-window.





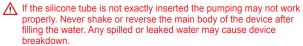
▶ Insert the power cord and pump power* jack to the upper side of the product. (*Pump pack and/or Rcom PRO PLUS 10 model sold seperately.)





▶ Connect the OUT side silicone tube of the automatic pumping system (APS) to the nipple of the device, and put the silicone tube of IN side to the PET water bottle.

In case of PRO PLUS 10 model do not pour water to the water hole in the lower part of the main body as it includes automatic pumping system (APS).

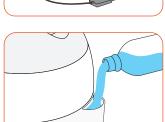


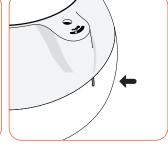
[In case of PRO 10 model]

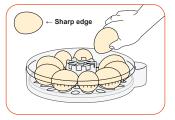
▶ Pour the water into the water hole of the lower part of the main body. The silicone hose will supply water to the interior of the incubator. Pay special attention to prevent overflow. During incubation please verify daily if there is water in the water hole

and when insufficient please supply water.

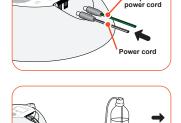
In the PRO 10 model, the APS is sold seperately. It can be purchased and installed as the PRO PLUS 10 model. When the APS is installed do not pour water to the water hole in the lower part of the main body

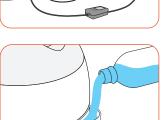






※ Attention on location





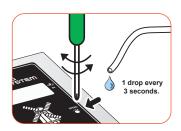


 $(T_{ip})^{2}$ It takes a little time for the water reaches the internal part of the device.

2. Before use (3) APS (Speed control / Tube replacing / How to maintain and clean)

How to control APS speed

- ▶ Easily control the volume of water through the APS.
- If you rotate adjustment to the right with a (+) shape driver the motor speed and pumping volume are increased and when rotated reverse they're reduced. If forcibly rotated the adjustment VR may be damaged.
- ▶ If the pumping volume is excessive the water may pour or leak from the moisture pad onto the floor, therefore adjust as 1 drop of water for each 3 seconds from the moisture pad for the best absorbency.



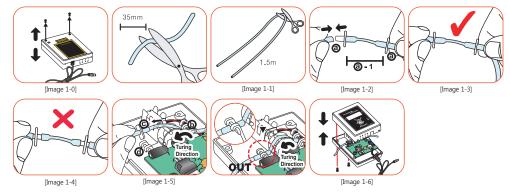
As the device controls the internal temperature checking the external environment due to artificial intelligence, therefore it may raise the temperature very slowly at the beginning. (In case of high humidity it may take dozens of hours.)

How to replace APS tube

▶ Damage silicone tubing will reduce the pumping volume or pumping may cease. In this case, please replace the silicone tubing.

riangle The silicone tube sent with the initial product should be used in the product, also you may purchase it through Rcom or the place where you purchased the product. ($ilde{Q}2.6 \times 3.5$)

If the pumping motor works but it does not produces water, or if there is louder noise than usual, the silicone tube may be aged, bent or blocked.

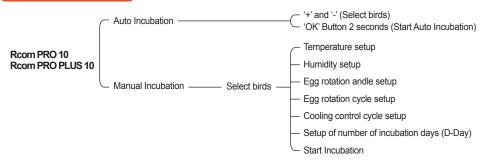


- ① Cut the silicone tube exactly in 35mm and insert each of them to the nipple as shown in [Image 1-2]. (The initial product is assembled as @-1.)
- ② Cut the 1.5m silicone tube in two as stated in [Image 1-1] and insert each of them to the assembled nipple (③).
- ③ Assemble as [Image1-3] normal. If the silicone tube is not inserted onto the nipple correctly [Image 1-4] pumping performance is reduced.
- ④ As in Image [1-0] loose the 2 bolts in lower part of APS case and insert the [Image 1-3] to [Image 1-5] ⓑ.
- ⑤ Grab the side ⓒ of [Image 1-5] and pull the silicone tube and insert it to ⓓ. (The silicone tube must be firm but not too taut.)
- ⑥ Avoiding twisting the silicone tube, open the IN and OUT side, locate it in the hole and close the case. Verify if the silicone tube or cable is not stuck in the case and tighten up the 2 bolts. Reference [Image 1-6].
- # If the pump is not performing recheck the IN and OUT, verify if the motor rotates to the left [Image 1-5], and the silicone tube was cut exactly as 35mm and properly located as [Image 1-3].

How to maintain and clean APS

- ▶ Do not wash with water, please wipe with clean fabric material.
- ▶ The silicone tubes may adhere and block the tube hole. In this case, separate the tube from the device, eliminate water and furnish the tube preventing it from adhering or twisting. The water pump can be dismantled. In case of reassembly due to blocked tube, please pull the blocked part of the silicone tube or open the interior of the tube by introducing water.

Incubation Modes



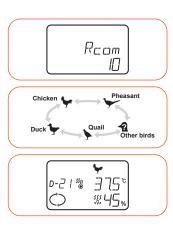
▶ When pressed Candling Sign (Button) during the Menu Setup the user may go back to the previous step.

Start of Automatic Incubation

▶ When connecting the power plug to socket the LCD display turns on and the device starts to work.



- ► The Bird icon on the LCD display flickers and it switchs to different types of bird by pressing + or - button. Select the type of bird to incubate.
- ▶ After choosing the type of bird to incubate, keep pressing the OK button approximately 2 seconds when the icon flickers, then the internal lighting of the incubator turns on with a Beep~ and the devices starts the operation.
- ▶ Incubator conditions are automatically and optimally adjusted.
 Choosing the type of bird will set the proper incubation conditions as temperature, humidity and rotation are automatically controlled and the user may modify the incubation condition when necessary.
- ► The setup numbers are reached in about 1~2 hours after initiating the device.
- ** As the device controls the internal temperature checking the external environment due to artificial intelligence, therefore it may raise the temperature very slowly in some sections.



Starting Manual (Other birds) Incubation

- ▶ This is a function where the temperature, humidity and egg rotation can be arbitrarily setup by professionals skilled in incubation.
- ▶ In the initial display choose Other birds by pressing + or button and press OK to enter to the setup mode.
- ► The temperature setup, humidity, egg rotating angle, rotation cycle can be setup with + and - buttons and the setup values are saved by pressing the OK button.

Rcom 10



[Temperature setup]

- ► TEMP (temperature) is briefly shown and 37.5 °C sign flickers. Setup the desired temperature with + and - button and press OK to move to humidity setup phase. [Adjustment scope: 20 ~ 42°C (68 ~ 107.6°F)] [Default value: 37.5°C (99.5°F)]
- ▶ If Candling sign (button) was pressed during setup you can go back to previous step.





[Humidity setup]

- ► HUMI(humidity) sign is briefly shown and 45% sign flickers. Setup the humidity with + and - button and press OK to move to egg rotation angle setupphase. [Adjustment scope: RH 20 ~ 70%] [Default value: RH 45%]
- ▶ When the humidity is setup below RH 20% the OFF sign indicates humidification function is turned off.
- ▶ If Candling sign (button) was pressed during setup you can go back to previous step.





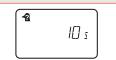
- The setup humidity turns to RH 65% from 3 days before hatch. This is automatically programmed feature to help hatching and not a fault of the device.
- The temperature and humidity are optimally adjusted according to international standards when launched from factory. When necessary it can be reset but it is not recommendable to be directly adjusted by the user.

 When reset is necessary please contact Rcom web site (www.Rcom.co.kr—Data base—Instruction manual category) or to the place where you purchased the product. The low price thermometer and hygrometer easily procurable in markets can be inaccurate in measurement value and may need frequent calibration, therefore please use the exclusive thermo-hygrometer for birds. [Thermo-hygrometer exclusive for birds Reference www.Rcom.co.kr]

[Egg rotation angle setup]

- ► ANGL(Egg rotation angle) is briefly shown and 10s(seconds) sign flickers. Setup the desired egg rotation time with + and button and press OK to move to egg rotation cycle setup phase.
 [Adjustment scope : 0 ~ 60s(seconds) in 1 second as a unit, when setup as RND it shall be operated randomly]
 [Default value : 10s(seconds)]
- If Candling sign (button) was pressed during setup you can go back to previous step.





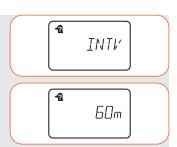
[Egg rotation cycle setup]

▶ INTV(Egg rotation cycle) is briefly shown and the 60m(minutes) sign flickers. Setup the desired cycle with + and - button and press OK to move to cooling control cycle setup phase.

[Adjustment scope : 10 ~ 360m(minutes) by scale of 10 minutes] [Default value : 60m(minutes)]



▶ If Candling sign (button) was pressed during setup you can go back to previous step.



[Cooling control cycle setup]

COOL(cooling control) is briefly shown and 0h(hour) sign flickers. Setup the desired cooling control cycle with + and - button and press OK to move to number of hatching days setup phase. [Adjustment scope : 0 ~ 6h(hours) in 1 hour as a unit] [Default value : 0h(hour)]



▶ If Candling sign (button) was pressed during setup you can go back to previous step.



]]AY

]]AY

[Setup of number of incubation days (D-Day)]

▶ DAY(number of hatching days) and D-25 are shown.

Setup the desired number of days with + and - button and press OK to save setup value and initiate incubation.

[Adjustment scope : 1 ~ 50 days] [Default value : 25 days]

DIGITAL INCUBATOR

- If Candling sign(button) was pressed during setup you can go back to previous step.
- ► How to setup continuous incubation function : In D-Day(number of hatching days) setup use the + button and increase until D-50Days and press + again and "--" sign is shown, and by pressing OK button it is setup as continuous incubation function.
- What is Continuous Incubation Function Setup?

 It is a function which enables the continued operation of the device with the currently setup incubation conditions regardless of number of incubation days.

DK button it is setup as continuous

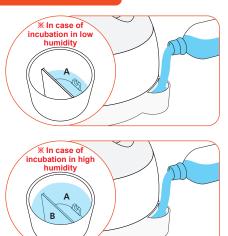
the currently setup incubation conditions

D-25

3. Incubation / Function Settings

How to manually Humidify and Supply Water in Rcom PRO 10

- ▶ Pour water into water hole of the main body (lower part). The connected silicone hose will supply water to the interior.
- Verify daily if there is water in the water hole during incubation and supply when insufficient.
- ► When desiring to incubate on low humidity only fill the internal water chamber A connected to the water hole. [RH 45% or less]
 - If the humidity of hatching chamber is higher than setup value please open the air control lever to adjust it.
- When desiring to incubate with high humidity, please fill all the A and B water chambers with water. [RH 45% or over] Adjust humidity 3 days before hatch. If the humidity is lower than setup value please close the air control lever.



Termination of incubation

▶ During incubation '-' button press the for 3 seconds and the incubation is terminated and moves to initial step/status.

Resetting incubation environment during incubation

- Press the + and buttons at the same time during incubation to Reset incubation environment and the temperature sign flickers.
- ▶ When modifying the temperature readjust the value with + and buttons, press OK button and the setup value is saved and it moves to next step (temperature, humidity, egg rotation, egg rotation cycle, order of hatching days).
- ▶ If Candling sign(button) is pressed during setup you can go back to previous step. Also the display switches to incubation display if a button is not pressed during 10 seconds.



14

High/Low temperature Alarm function (optional function)



What are Abnormal High/Low Temperature Alarm functions? It is an Alarm Function which notifies the user when the device's interior temperature is abnormally high or low.

▶ The alarm sounds in case of abnormal temperature and the display shows the current temperature and consequently whether it is high or low according to the setup value.



3 HI

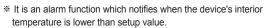
4 LO

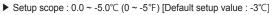
⚠ The alarm sounds for 1 minute and automatically stopped, and the alarm sign is consequently shown until the OK button is pressed. (Ex : In case of alarm for 2 °C HI it consequently shows the current temperature and +2.0 / In case of '-3 °C LO alarm it consequently shows current temperature and -3.0.)

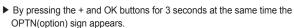
[How to setup Abnormal High Temperature Alarm]

- * It is an alarm function which notifies when the device's interior temperature is higher than setup value.
- ► Setup scope : 0.0 ~ 5.0°C (0 ~5°F) [Default setup value : 2°C]
- ▶ By pressing the + and OK buttons for 3 seconds at the same time the OPTN(option) sign appears.
- ▶ By pressing + or button select 3.HI and press OK to go back to Abrnormal High Temperature Alarm setup.
- ▶ By selecting the alarm value with + or button and pressing OK, the setup values are saved.
- ▶ If pressed Candling sign(button) during setup you can go back to previous step.

[How to setup Abnormal Low Temperature Alarm]









- ▶ By selecting the alarm value with + or button and pressing OK, the setup values are saved.
- ▶ If pressed Candling sign(button) during setup you can go back to previous step.

How to switch between Celsius ← Fahrenheit degrees (optional function)

- ▶ By pressing the + and OK buttons for 3 seconds at the same time the OPTN(option) sign appears.
- ▶ By pressing + or button select 5.C/F and press OK to go back to Celsius/Fahrenheit modification mode.
- ▶ When pressed OK after selecting °C = Modified to Fahrenheit degree. When pressed OK after selecting °F = Modified to Celsius degree.. [Default value : °C]









DIGITAL INCUBATOR

▶ If pressed Candling sign(button) during setup you can go back to previous step.

15

Back light ON↔**OFF**↔**EVENT ON method (optional function)**

- ► By pressing the + and OK buttons for 3 seconds at the same time the OPTN(option) sign appears.
- ▶ By pressing + or button, select 6.B.Lt and press OK to go back to Back Light setup.
- ▶ By selecting ON, OFF or EVENT ON with + or button and pressing OK the setup values are saved. When setup as EVENT ON the back light is only turned on for 30 seconds when the button is pressed or the alarm is produced. [Default value : ON]
- ▶ If pressed Candling sign(button) during setup you can go back to previous step.

How to ON↔**OFF Interior Lighting (optional function)**

- ▶ By pressing the + and OK buttons for 3 seconds at the same time the OPTN(option) sign appears.
- ▶ By pressing + or button select 7.l.nL and press OK to go back to Interior Lighting setup.
- ▶ By selecting the ON or OFF with + or button and pressing OK, the setup values are saved. [Default value : ON]
- ▶ If pressed Candling sign(button) during setup you can go back to previous step.

How to ON↔**OFF SOUND (optional function)**

- ▶ By pressing the + and OK buttons for 3 seconds at the same time the OPTN(option) sign appears.
- ▶ By pressing + or button select 8.Snd and press OK to go back to Sound setup.
- ▶ By selecting the ON or OFF with + or button and pressing OK, the setup values are saved. [Default value : ON]
- ▶ If pressed Candling sign(button) during setup you can go back to previous step.

Information display (optional function)

- ▶ By pressing the + and OK buttons for 3 seconds at the same time the OPTN(option) sign appears.
- ► Select the 9.l.nfo by pressing + or button and press OK to display basic information of the device.

How to leave Optional Function

- ▶ By pressing the + and OK buttons for 3 seconds at the same time the OPTN(option) sign appears.
- ▶ Press + or button, select 0.ESC and press OK and you can exit from the optional function setup.













8 Snd

ΠN



9 Info



10 ESC

How to do Factory Initialization

- ▶ When the input values are incorrect, use factory default function to initialize the device to the initial status launched from the factory.
- ▶ When inserted the power by pressing the OK button at the same time, the RST sign is displayed and the device is initialized as in factory. (Modified to default status)

RST

Blackout Notification Function

▶ During the incubation the → power sign in display flickers and sounds the alarm for 10 seconds. When pressed OK button it is suspended and the power sign is immediately disappears.



PRO PLUS 10: How to forcibly operate humidifying pump

- ▶ The pump motor may be tested by pressing the + button for 5 seconds during operation.
- ▶ The pump motor may be tested for 2 mins by pressing the + button for 10 seconds during operation. In this moment the pump motor works even the button is not pressed directly.
- If you press any button during the consecutive 2 minutes operation, the pump operation is immediately suspended.

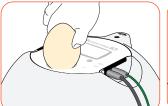
Candling Function

↑ The candling can be verified by naked eye from 5~7 days after initiation of incubation, and if the blood vessel or embryo (chick) is not observed the egg may be unfertilized therefore remove it from the

Candling allows observation of the fertilized, unfertilized, suspended hatching or development of embryo, and if there is any minute fissure on the egg after introducing to the incubator the germs penetrate into it therefore the decomposition starts. As the decomposed egg may contaminate other eggs, it is recommendable to perform candling in dark environment to select the proper ones.

⚠ Do not directly look into the LED light except in case of candling (egg examination).

- ▶ The environment for candling must be dark for easier observation.
- ▶ Pull up carefully the main controller and the handle of main body (upper part) and take the egg to examine/candle.
- ▶ Place the wide, round part of the egg onto the candling zone of the main body (upper part), press the Candling button and observe the interior of the egg (embryo or blood vessel). The light will turn on 0.5 seconds after pressing the button for safety.





incubator. If the egg shell is thick or dark it may be difficult to verify with naked eye. White eggs as duck eggs are easier to observe.

⚠ It is not recommended to candle over 10 minutes within a warm indoor environment.

Please pay special attention not to apply any impact on the egg. The egg may die due to stress caused by severe shaking or turning.

(Tip) Too frequent candling may cause failure to hatch.

ggs are easier to observe.

3. Incubation / Function Settings

► Humidity must be maintained before hatching to prevent drying of egg shell or non hatch.

Humidity and ventilation control during incubation

▶ It is not recommended to open the cover frequently in the hatching period. If the cover is frequently opened the humidity is rapidly reduced and it may take long time to recover the humidity again.



- ※ If the internal temperature of the device is 37°C (98.6°F) or over, and the
 temperature of hatching room is lower then humidity may not reach RH 65%. There might be ±5% of tolerance in
 humidity and there is no significant problem for hatching.
- ▶ The humidity control is important in 1-2 days before hatching than in the beginning and in the middle of incubation, the moisture must be maintained from 1-2 days before hatching. In case of water bird the humidity during incubation must be RH 45~55% / in case of poultry RH 40~45% / parrots RH 35~45% generally and for every type of bird the humidity for a day before hatching must be RH 65% or over.
- ** Air control lever (Air Vent): It may induce the fresh exterior air minimizing the effects on the insulation.
 Please open all the air control levers (Air Vent) when the egg breaking begins.
- Verify once every 3 days during the incubation if the water is low, then supply water, and it is recommended to use distilled or purified water than water from water purifier, softener or underground water to maintain performance.
- * The humidity pad is consumable and it can be purchased.

Management after hatching

- ▶ Hatching within the incubator can cause a build up of germs with possible cross contamination of bacteria, and the dust, feather dander, egg shells and excrement may produce a breakdown of the incubator which is not covered under warranty. Please consider the Rcom Suro eco hatcher specifically for hatching. Please reference the web site (www.Rcom.co.kr→Information on hatching→How to make chick house) for simple developer chamber instructions or we recommend to use the KINGSURO Brooder of our company.
- ⚠ Do not brood the chick within the incubator. Have a radiant heat brooder for chicks that are dry and fluffy. As it can be the cause of breakdown and produce paid repair (A/S) cost even within warranty period. (Please move the chick to the brooding chamber after hatching.)
- Generating chamber: It is a space for hatching (egg breaking) used 1~3 days before hatching. (RCOM KINGSUR BROODER)
 - Developing (brooder) chamber: It is a space (device) which adapts the just born chick to the environment by maintaining proper temperature and humidity.

 (Rcom KINGSUR BROODER/Rcom BIRD BROODER&ICU)
- ▶ As the feed for little birds may vary by type, it is recommendable to acquire prior understanding on the bird before hatching. (Please use the information on birds in the Rcom web site.)

Dew Condensation

▶ When operating the device, if the difference between exterior and interior temperature of the device is high, the dew condensation is naturally occurred therefore there is no operational problem due to this phenomena.

How to separate and clean

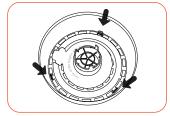
Please separate the power cord from the socket.

▶ When immediately turned off the device in high humidity incubation and left with the cover closed, the humidity remaining inside the device may evaporate, adhere to the device and product breakdown. Always open the view-window and eliminate the inner humidity to use the device in the most safe manner

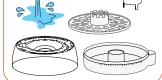
Incubator must be completely dried out before storage.

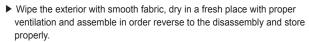


- ▶ There are 3 hooks connected with the main controller in the inner part of the view-window. Push the 3 hooks to the inner side and separate the main controller and the view-window.
- ► Eliminate carefully with brush the dust on the separated main controller. At this point, do not apply any strength on the sensor or heater.
- ▶ The humidity and temperature sensor units are connected with the connector to be easily replace in case of breakdown.
- ▶ Wipe the view-window, egg rotation disk, tray, air filter and the main body (lower part) down properly with lukewarm water.
- ▶ Do not was the Automatic Pumping System (APS) with water but wipe with clean fabric.



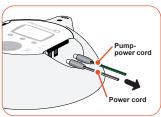


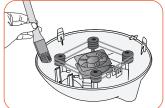




⚠ Do not clean the product with organic solvents as benzene and thinner. It may deform or discolor the product.











Rcom ECO PULS 10 & ECO 10

First of all thanks to every customer who purchased our Rcom 10.

The Rcom 10 automatically creates and maintains an optimal incubation environment using state-of-the-art technology digital control methods and has been designed for easy and simple use. The Rcom 10 provides the optimal environment, however the user needs to carefully observe and adjust environmental factors such as temperature, humidity, installation location and other conditions necessary for the incubation of different kind of birds Even though the Rcom 10 is designed to provide the optimal setting for every kind of environment necessary for the incubation of eggs, we sincerely suggest you carefully read the instructions before use to allow for the successful incubation and proper use of the device.

Features of Rcom ECO PULS 10 & ECO 10

[MAIN FUNCTIONS]

- * Streamlined high quality design in the shape of an egg. ECO PLUS ECO
- * Clean and transparent large view-window (ECO PLUS) (ECO)
- * One-touch separation of electronic controller assembly allows convenient cleaning. (ECO PLUS)
- * Design incorporates principles to reduce germ reproduction such as minimizing interior mechanisms which reduced the opportunity for bacterial propagation.
- * Variable air control lever which enables the interior air volume of the device, to be altered.
- * Artificial intelligence based electronics with the state-of-the-art controlling technology designed by Rcom.
- * Capacity of simultaneous hatching of 10~15 standard size eggs.
- * Rotational Heater Support which enables the easy adjustment of heater tension.
- * Air control lever which induces the fresh exterior air minimizing the effects on the insulation.
- * Manual temperature, humidity adjustment and setup functions. (ECO PLUS) (ECO)

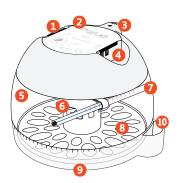
[CONVENIENT FUNCTIONS]

- * Clamped structure which prevents the leakage of water drops inside the view-window (dew condensation) out of the device. (ECO PLUS) (ECO)
- * One touch separation of upper part (main controller) for convenient cleaning after incubation and reparation. (ECO PLUS) (ECO
- * External water input hole and moisturizing device for easy supply of water for moisturizing. (

 ECO PLUS) (
 ECO)
- * Egg Tray which can simultaneously store different types of eggs.
- * Convenient method of manual egg rotating function.
- ** The ECO model is for manual egg rotation method. By installing the additional automatic egg rotating unit (sold seperately) the eggs are automatically rotated once every hour.

Name of each part

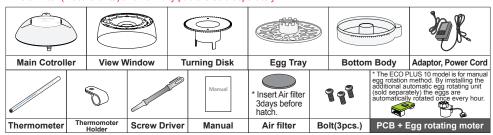
- $\begin{tabular}{ll} \begin{tabular}{ll} \beg$
- ② Main Controller
- 3 Ventilation Control Lever
- (4) Handle
- S View Window
- ⑥ Turning Disk *Optional for ECO 10
- 7 Thermometer & Thermometer Holder
- 8 Egg Tray *Optional for ECO 10
- Bottom Body
- Water hole for manual humidification



Basic Composition

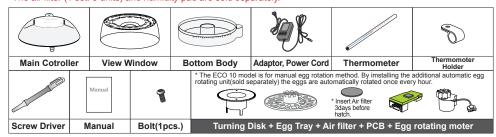
ECO PLUS 10

- * The Serial No. of the product is noted on the left side of the main controller. Please do not damage it. (Ex:RCM0000000)
- * The air filter (1 set: 5 units) and humidity pad are sold separately.



ECO 10

- * The Serial No. of the product is noted on the left side of the main controller. Please do not damage it. (EX:RCM0000000)
- * The air filter (1 set: 5 units) and humidity pad are sold separately.



Name and function of operational parts

- $\ensuremath{\textcircled{1}}$ Heater operation lamp : When heating is on, the lamp glows on.
- ② Temperature adjustment dial : use this to adjust set temperature.

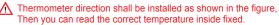


What is Hatching room?

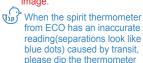
What is a hatching room? This is the location where the incubator is installed and operated. As the environment affects the hatching rate the place of installation must be a place with low nearby noise or vibration, and nearby temperature must be $22\sim25\,^{\circ}\mathrm{C}$ (71.6~77°F) with low temperature difference. Especially in night time the temperature is lowered than daytime therefore it surely must be verified, and in daytime the device must never be exposed directly under the sunlight. Also the place must not have direct ventilation as air conditioner to the device.

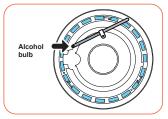
Preparation / Start of Incubation

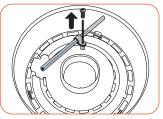
- ▶ Separate the parts for assembly and verify all parts are present and not damaged. Please do not discard the product box and use it to safely store the product furthermore.
- ▶ Register the Serial No. of the left side of the main controller's handle. The free guarantee term will be extended to 2 years. Reference the details in the Rcom home page. $[www.Rcom.co.kr \rightarrow Customers' \ service \rightarrow Registration \ of \ product \ client]$
- ▶ Fix the thermometer to the inner side of view-window as shown in the image. Use the thermometer holder and screwdriver to affix the thermometer.



Carefully install thermometer as force or impact will cause damage. Check thermometer spirit is intact. Install according to the directions shown in the image.







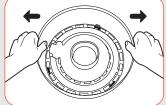
in very warm water. When the thermometer spirit reaches maximum, please take the thermometer out of the warm

water. Please check the spirit has joined together.

The dipping method may need to be repeated to remove separations in spirit. At this time, if the water is too hot or maximum temperature is kept for a long time, it may cause malfunction of the thermometer.

[In case of ECO PLUS 10 model]

▶ There are 3 hooks connected to the main controller in the inner side of the view-window. Place the product on a flat desk. Hold the window with both hands and pull it outward to the left and right sides. Then, the hook will come out and the main controller and the window are easily



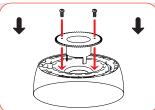


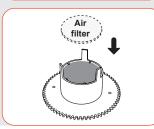
separated. It is possible to disassemble the device easily by pulling the window up and down.

▶ The view-windows and turning disk to be fixed by utilizing the two bolts.

▶ Please insert air filer into the lower groove of egg turning disk as shown in the picture 3day before hatching. (Turning disk, egg tray and air filter are optional for ECO 10.)

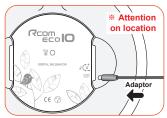
⚠ Please wash the air filter before use, as dust in the air filter during use this may disrupt proper air circulation.





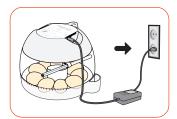
- ▶ Please assemble in reverse order of disassembly.
- ▶ Insert the adaptor to the proper located in the upper part of the product.
- ⚠ Please pay special attention not to insert into the temperature adjustment volume plug.





▶ Attain correct temperature before placing eggs into incubator. If you want to adjust to specific temperature, use the provided + shape driver to turn the temperature adjustment volume and so adjust the temperature.

▶ Connect the power cord to the power socket.



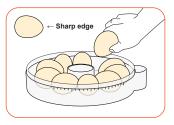
▶ Adjust the location according to the size of the egg and close the



Locate the sharp or pointy end of the egg to the inner side.



⚠ If the temperature does not increase, check that the view-window is completely closed.



▶ Pour the water to the water hole in lower part of the main body. The silicone hose supplies water to the interior of the device. Please fill but do not overflow. During incubation verify the water is empty before refilling.

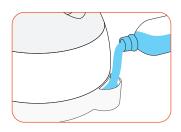


(Tip) It takes a little time until the water reaches the internal part of the device. Please wait before continuing to pour.

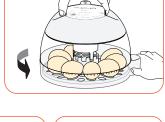


⚠ Never shake, move or reverse the main body of the device after filling the water.

The leaked water may cause damage and invalidate warranty.



- ▶ The egg rotation cycle may vary by types of birds but 1 hour is recommended and the eggs must be rotated at maximum 3 hours cycle.
- ▶ After holding top body with your hands, slowly turn bottom body with your hands after holding water whole. Please check graduations marked on bottom body for turning angle.
- ▶ It is not recommended to rotate the egg from 3 days before hatching.



(1) ECO PLUS 10 : How to rotate egg (2) ECO 10 : How to rotate egg

Birds	Standards on the	The gradation on bottom body of Rcom 10							
	diameter of egg	1	2	3	4	5	6	7	8
Chicken	45Ø	15°	30 °	45°	60 °	75°	90 °	105°	120 °
Duck	50Ø	13 °	27°	40 °	53 °	67°	80 °	93 °	106°
Quail(inside)	25Ø	18 °	36 °	53 °	71 °	89°	107 °	125°	142 °
Quail(outside)	25Ø	30 °	61 °	91 °	122 °	152°	182 °	213°	243 °
Pheasant	35Ø	19 °	38 °	57 °	76°	95°	114°	133 °	152 °







ECO PLUS 10 & ECO 10

The ECO PLUS 10 model can apply particularly purchased APS unit for automatic rotation.

▶ When installed the particularly purchased rotation unit, if the user wants to suspend rotation, the user needs to remove the egg rotation disk or tray.

↑ Please pay special attention not to open the cover during egg rotation and not to drop the eggs.

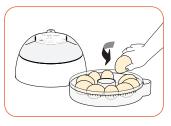
ECO 10 : How to rotate egg

- ▶ The egg rotation cycle may vary by types of birds but 1 hour is recommended and the eggs must be rotated at maximum 3 hours cycle.
- ▶ Slowly rotate each egg (with hand) as shown in the image.
- ▶ It is not recommended to rotate the egg from 3 days before hatching.



▶ When installed the particularly purchased rotation unit, if the user wants to suspend rotation, the user needs to remove the egg rotation disk or tray.

⚠ Please pay special attention not to open the cover during egg rotation and not to drop the eggs.



- ► Do not overfill the water hole of the main body (lower part). The connected silicone hose will supply water to the interior.
- Verify daily if there is water in the water hole during incubation and supply when low.
- ▶ When desiring to incubate with low humidity only fill the internal water chamber A connected to the water hole. [RH 45% or less]
 - If the humidity of hatching chamber is high please open the air control lever slightly.
- When desiring to incubate with high humidity, please fill all the A and B water chambers with water.

[RH 45% or over]
Adjust as high humidity from 3 days before hatch.
If the humidity of hatching chamber is low please close the air control lever. (Reference the humidity and ventilation

air control lever. (Reference the humidity and ventilation control during incubation)

As the automatic humidity adjustment is unavailable in ECO model, the humidity may not be adjusted as desired according to the nearby environment.



How to setup temperature

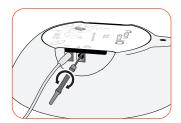
▶ When adjusting to desired temperature, use the screwdriver included in the product by turning the temperature adjustment volume to control the internal temperature.

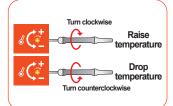
[Recommended incubation temperature : 37.5°C (99.5°F)]

Using a non designated screwdriver may forcibly turn the temperature adjustment volume which may damage adjustment feature. Warranty is invalid.

↑ The temperature adjustment is sensitive, please turn it slightly. (Please read the scale of the thermometer 10 minutes after one adjustment.)

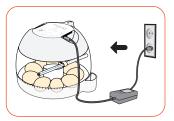
⚠ Do not put eggs into incubator, until temperature is stabilized for 1~2 hours and then perform the temperature adjustment by increasing slightly from low temperature.





Termination of hatching

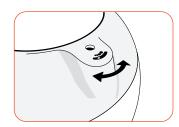
► There is no power switch in this device. The device is turned OFF when power disconnected after hatching all the eggs.



ECO PLUS 10 & ECO 10

Humidity and ventilation control during incubation

- ► Humidity must be maintained before hatching to prevent drying of egg shell or non hatch.
- It is not recommended to open the cover frequently in the hatching period.
 If the cover is frequently opened the humidity is rapidly reduced and it may take long time to recover the humidity again.



- ※ If the internal temperature of the device is 37°C (98.6°F) or over, and the
 temperature of hatching room is lower then humidity may not reach RH 65%. There might be ±5% of tolerance in
 humidity and there is no significant problem for hatching.
- ▶ The humidity control is important in 1-2 days before hatching than in the beginning and in the middle of incubation, the moisture must be maintained from 1-2 days before hatching. In case of water bird the humidity during incubation must be RH 45~55% / in case of poultry RH 40~45% / parrots RH 35~45% generally and for every type of bird the humidity for a day before hatching must be RH 65% or over.
- ** Air control lever (Air Vent): It may induce the fresh exterior air minimizing the effects on the insulation.
 Please open all the air control levers (Air Vent) when the egg breaking begins.
- Verify once every 3 days during the incubation if the water is low, then supply water, and it is recommended to use distilled or purified water than water from water purifier, softener or underground water to maintain performance.
- * The humidity pad is consumable and it can be purchased.

Management after hatching

- ▶ Hatching within the incubator can cause a build up of germs with possible cross contamination of bacteria, and the dust, feather dander, egg shells and excrement may produce a breakdown of the incubator which is not covered under warranty. Please consider the Rcom Suro eco hatcher specifically for hatching. Please reference the web site (www.Rcom.co.kr→Information on hatching→How to make chick house) for simple developer chamber instructions or we recommend to use the KINGSURO Brooder of our company.
- ⚠ Do not brood the chick within the incubator. Have a radiant heat brooder for chicks that are dry and fluffy. As it can be the cause of breakdown and produce paid repair (A/S) cost even within warranty period. (Please move the chick to the brooding chamber after hatching.)
- Generating chamber: It is a space for hatching (egg breaking) used 1~3 days before hatching. (RCOM KINGSUR BROODER)

Developing (brooder) chamber: It is a space (device) which adapts the just born chick to the environment by maintaining proper temperature and humidity.

(Rcom KINGSUR BROODER/Rcom BIRD BROODER&ICU)

▶ As the feed for little birds may vary by type, it is recommendable to acquire prior understanding on the bird before hatching. (Please use the information on birds in the Rcom web site.)

Dew Condensation

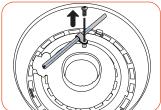
▶ When operating the device, if the difference between exterior and interior temperature of the device is high, the dew condensation is naturally occurred therefore there is no operational problem due to this phenomena.

26

How to separate and clean

Please separate the power cord from the socket.

- ▶ When immediately turned off the device in high humidity incubation and left with the cover closed, the humidity remaining inside the device may evaporate, adhere to the device and produce breakdown. Always open the view-window and eliminate the inner humidity to use the device in the most safe manner
- ▶ Thoroughly clean and dry before storage.
- ▶ Also disconnect the device and the adaptor cord.

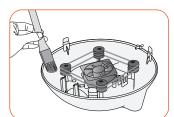




- ▶ Carefully remove the dust on the separated main controller with a brush. At this point, do not apply any force on the sensor or heater.
- ▶ The humidity and temperature sensor units are connected with the connector are easily replace in case of breakdown.
- ► Wipe the view-window, egg rotation disk, tray, air filter and the main body (lower part) down properly with lukewarm water.

▶ Use the screwdriver and separate the thermometer from the thermometer holder. ▶ There are 3 hooks connected with the main controller in the inner part of the view-window. Push the 3 hooks to the inner side and separate the main controller and the view-window.

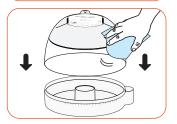
(Turning disk, egg tray and air filter are optional for ECO 10.)





▶ Polish the exterior with smooth fabric, dry in a fresh place with proper ventilation and assemble in order reverse to the disassembly and store properly.





FAQ

The Rcom products are manufactured under strict quality management with precise equipments, but there may be some defects in the product during the distribution. If there is any problem please contact to the Service center or Distributor of Rcom. We will do our best to resolve the problem as soon as possible. The product is designed in module methods which is easily replaceable by any qualified person.

* E-mail reception : Rcom@Rcom.co.kr

Symptom	Estimated cause (possibility)	Solutions
If the average hatching rate is low	 If the egg is unfertilized Germ infection Incorrect incubation setup Health condition of the mother bird Improper egg rotation When the vibration or noise is severe near the device When the air filter's cleaning condition is improper Improper egg storage status, when passed over 1 week after spawning 	 Candle the egg to verify if it's alive Sterilize the device Check all the setup process of the device. Especially on the temperature. Care the mother bird's health. Verify if the egg rotation is normally performed. Move the device to a place without noise or vibration. Clean the air filter. Store the egg under low temperature of 20~25°C or less and use eggs within 1 week after spawning.
If the chick is born earlier than the estimated date or when is malformed	 If the setup temperature is too high. If the egg rotation is not performed. In case of unhealthy hatchery egg. 	 Slightly decrease the temperature of the device. [0.5°C (1°F)] Ex) 37.5°C → 37.0°C Initiate egg rotation test verifying if the egg rotation function is not OFF. Use the hatchery egg of healthy parent birds.
If the chick is born later than the estimated date	▶ If the setup temperature is too low.	► Slightly increase the temperature of the device. [0.5°C (1°F)] Ex) 37.0°C → 37.5°C
If the hatching date of the eggs are too varied (when they're not hatched at the same time but differently during long term)	 Difference of hatchery egg storage time. Occurred from the diversity of hatching temperature. 	 When possible, minimize the egg storage period/time. Check the temperature difference within the device. (sunlight and temperature of hatching room, etc)
When desiring to hatch different types of eggs at the same time	➤ The hatching rate is lowered as the days to hatch are different	 Mark the hatching date on the egg and move to other device (generator) according to the estimated hatching date. It is convenient if you have other additional devices which can be used as generator chamber when different eggs are placed together at the same time.

Troubleshooting and measures

Symptom	Estimated cause (possibility)	Solutions
If the power is not on	 Verify if the power cord is correctly inserted. Verify if there is no power failure/blackout. Verify if the plug is faulty or not. Verify if the power cord and pump power cord locations are not switched. 	 Insert correctly the power cord again. Verify other nearby electronic and electric devices. Verify and try other power socket. Insert after verifying the correct location.
If the temperature is too high / low	 Verify the setup temperature. Verify if the air circulation FAN does not rotate. 	 Adjust the temperature setup to desired temperature. Disconnect the power plug from the socket, separate the main body and brush or clean the air circulation FAN.
If the humidity is too high / low	 ▶ Verify if there is enough water. ▶ Verify the setup humidity. <if it's="" low="" too=""></if> ▶ Verify if the water is insufficient or not. ▶ Verify if the view-window is correctly closed. <if high="" it's="" too=""></if> ▶ Verify the nearby environment. ▶ Verify if there is any water inside the tray or in the bottom body. 	 ▶ Supply enough water. ▶ Adjust the desired humidity in setup. ▶ Try the factory initialization. <if it's="" low="" too=""></if> ▶ Supply water. ▶ Verify if there is any alien substance and close again. <if high="" it's="" too=""></if> ▶ Adjust the environment of the incubator. ▶ Eliminate the water inside the tray.
It produces noise. * There is certain level of noise due to the fan for air circulation within the device.	 Verify if there is any object on the device. Verify if there is any vibration on the floor or the device was installed on a table. Verify if there is any alien substance around the FAN after the incubation. 	 Remove all the objects from the top of the device. Install the device in other stable place. Disconnect the power plug from the socket, separate the main body and brush/clean the FAN for air circulation.
When dews are formed within the device * When maintained in high humidity there may be formed dews.	➤ Verify if the surrounding temperature of the installed place is too low.	▶ Please install in a place within the conditions of an incubator.



⚠ Please verify if every function of the device is performed properly by operating sufficiently the device before locating the eggs. In case of incubation of costly eggs you might need check-up or adjustment of internal temperature to prevent failure of incubation. In the checkup or examination please use a high-reliability thermo-hygrometer. (Rcom Digilog3 model or higher)

Specification

PRO PLUS 10 / PRO 10

Rated voltage	DC 12[V] 3[A]
Power consumption	Max 36[W] Average 21[W]
Temperature adjustment scope	20 ~ 42 [°C] / 68 ~ 107.6 [°F]
Humidity adjustment scope	20 ~ 70 [%] (May vary according to surrounding environment)
Capacity	In case of egg 10[units], in case of quail egg 30[units]
Weight of product	N.W. 1.5[Kg], G.W 2.5[kg]
Size of product	(w)259 x (L)236.5 x (H) 172 [mm]

ECO PLUS 10 / ECO 10

Rated voltage	DC 12[V] 3[A]		
Power consumption	Max 36[W] Average 21[W]		
Temperature adjustment scope	$33 \sim 39 [^{\circ}\!C] / 91.4 \sim 102.2 [^{\circ}\!F]$ (May vary according to surrounding environment)		
Capacity	In case of egg 10 ~ 15[units], in case of quail egg 30 ~ 48[units]		
Weight of product	N.W. 1.3[kg] G.W 2.3[kg]		
Size of product	(w)259 x (L)236.5 x (H) 172 [mm]		

* COMPARATIVE							
	Temperature adjustment function	Humidity adjustment function	Candling function	Egg rotation	APS (Auto Pumping System)		
PRO PLUS 10	Automatic	Automatic	0	Automatic	0		
PRO 10	Automatic	Manual	0	Automatic	X(Option)		
ECO PLUS 10	Manual	Manual	Х	Manual (automatic egg rotating unit - Option) Manual turing way without disassemble top/bottom	X(Option)		
ECO 10	Manual	Manual	Х	Manual(automatic egg rotating unit - Option) Turing egg by hand after disassemble top/bottom	X(Option)		

If you register the product by entering the Serial No. of the purchased product via Internet, the free guarantee period/term will be extended to 2 years. (If not registered, the free guarantee term shall be 1 year, but in case of egg rotating motor and the circulation fan the guarantee term shall be 1 year even when registered.)

**** HOW TO REGISTER PRODUCT**

Access to the RCOM web site (www.Rcom.co.kr), subscribe and log in.

- 1. Click on Korean (English, Spanish, Portuguese).
- 2. Click on Customers' Service at the right top.
- 3. Click on Registration of Product Customer.
- 4. Enter the information in empty spaces and save.
- 5. The product customer registration is completed.

The customers already registered in RCOM web site;

- 1. Please log-in in www.Rcom.co.kr.
- Click on "My information" at the right top.
 Click on "YES" in the "Did you purchase the product" at the Client Information Entry.
- 4. Enter the information in empty spaces.

The following items are the data to be entered in the product registration on the web site.

- Name of purchaser.
 Address, Telephone number and E-mail address of purchaser.
- 3. Name of purchased product model, Product Serial NO.
- 4. Purchase date, purchase center/store.

Guide on Customers' Damage Compensation

Types of democrac of systemers	Details on compensation		
Types of damages of customers	Within After expiring guarantee perior guarantee peri		
In case of naturally occurred failure in function or performance in normal condition of use.	Free repair	Paid repair	
Failure in function or performance due to intention or error of the customer.			
■ In case of failure due to natural disaster (fire, sea wind, gas, earthquake, storm and flood).			
When replacing expendable part normally abrased during the use.			
■ Breakdown due to abnormal power source or faulty connection device.	Paid repair		
■ Breakdown due to repair or remodelling by person any other than the service engineer			
of headquarters or the service center.			
External factors which are not defect of the product.			
■ Breakdown due to use of different rating voltage.			
■ Breakdown due to use of consumable, optional product not designated by the company.			
■ Breakdown or loss due to drop during the transportation.			
■ Breakdown for not cleaning the product /			
Breakdown due to use of other liquid than distilled or purified water /			
Breakdown due to use of the incubator as brooder device (developer) / Breakdown due to			
incorrect device control / Breakdown due to manner of use not mentioned in the			
instruction manual / If the customers' fault is clear.			

The success of incubation may vary according to different factors.

The manufacturer and distributor are not responsible for failure of incubation of costly eggs, loss of life, property damage due to negligence of user, remodeling, painting, modification of purpose of use or power failure. When incubating parrot or costly birds please verify the internal temperature (adjust) before use. Please read carefully the instruction manual before use to avoid failures.

Rcom is designed for user's easy and convenient use.

It can be changed without notice for improvement in performance, design treatment, and software, etc.



www.Rcom.co.kr

SELLER

MANUFACTURER

AUTOELEX CO.,LTD.

• OFFICE : 218, Sangdong-ro, Sangdong-myeon,

Gimhae-si, Gyeongsangnam-do, 50805 Korea

TEL: +82-55-1588-8771FAX: +82-55-1544-2862E-MAIL: Rcom@Rcom.co.kr

Rcom is the Best Design with High Quality, Value, and Performance!