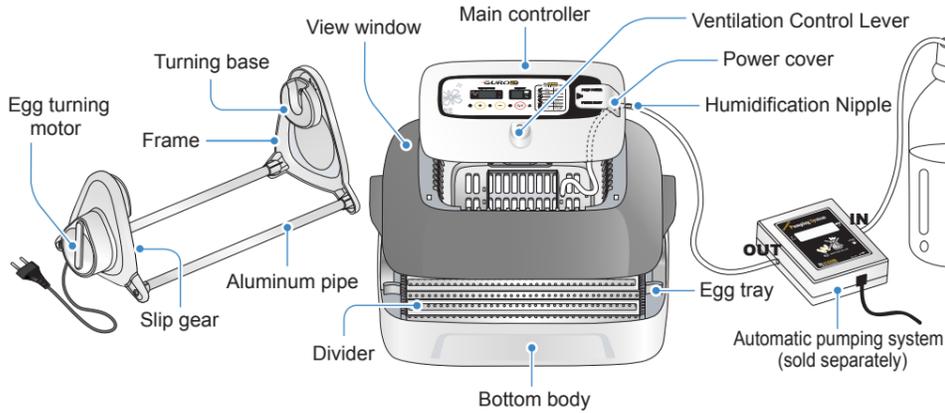


Thanks for using Rcom King SURO20 incubator.

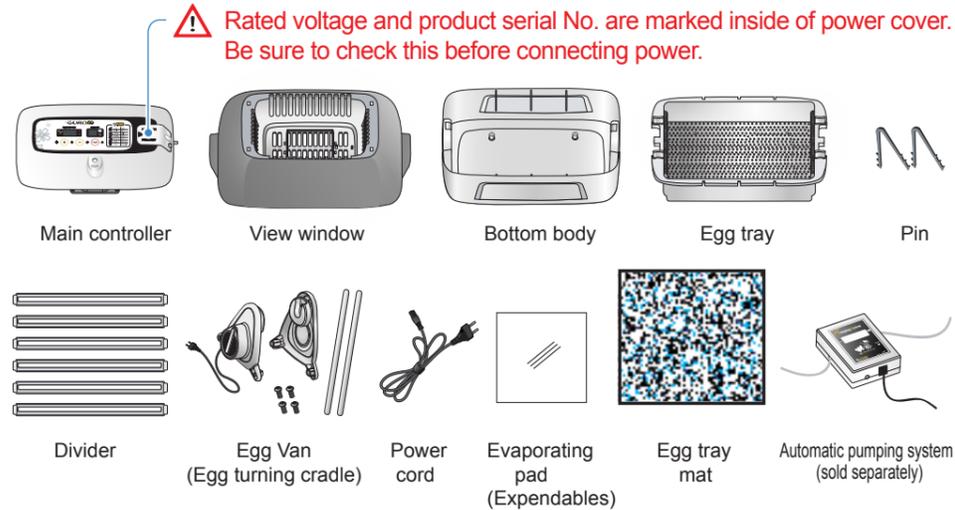
SURO is a name of ancient King in GimHae area who born from egg, and he is revived as Rcom Suro incubator based on experienced incubation technique and best quality management. King SURO incubator is designed to easy and simple use as a customer-oriented product, but remember that user's incubation knowledge and proper operation is very important for best incubation result.

Therefore, be sure to read this user's manual carefully before you use this incubator. Rcom King SURO offers optimum incubation conditions, but users need to observe and manage all incubation conditions such as species of eggs, temperature or humidity for each incubation period, and incubation circumstance. Also, adjustment by users is available.

## 1. Introduction



## 2. Main Componentry



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

※ Retain the carton and packing materials for keeping the units safely.

※ Operation Instructions for Automatic Pumping System (APS) which sold separately will be supplied separately.

## 3. Condition of Incubation Room & How to Assemble

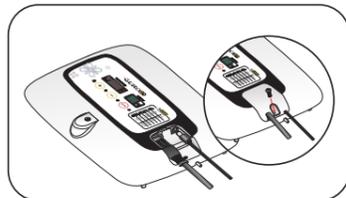
What is incubation room?

Incubation room is the room you place incubator, and the condition of incubation room highly affect on the result of incubation. The room should be free from noise, vibration, and wide temperature variation.

Room temperature is ideal when it is between 20 ° C and 25 ° C. To be sure the room temperature does not drop dramatically on a cold night, and the incubator cannot be exposed to direct sunlight. (Refer to 6-3. Abnormal Temp. Alarm)

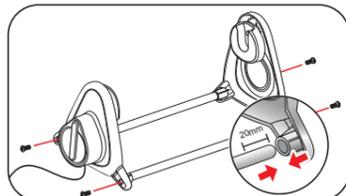
### 3-1. How to Connect Power

- ▶ Loosen the screw and insert power cord and pump power cord.
- ▶ Power cover is for avoiding the power cord disconnected during incubation, and be sure to operate the incubator when the power cover is in place.
- ▶ If you connect the power, first dot of display will go on and off with buzzer. Press OK button to remove buzzer. (It will automatically removed after a sec.- Refer to 6-4. Power Failure Alarm Function.)



### 3-2. How to Assemble and Use EGG VAN

- ▶ Insert aluminum pipe to the frame exactly. Place EGG VAN on the flat surface, and tighten the volt. Incubator can drop in case of wrong assembling.
- ⚠ Do not turn the incubator manually when the incubator is on the EGG VAN. (It can cause egg turning device failure.)
- ※ EGG VAN turns the incubator and eggs very slowly about 90 ° per an hour. The device can turn irregular intermittently, it is normal.



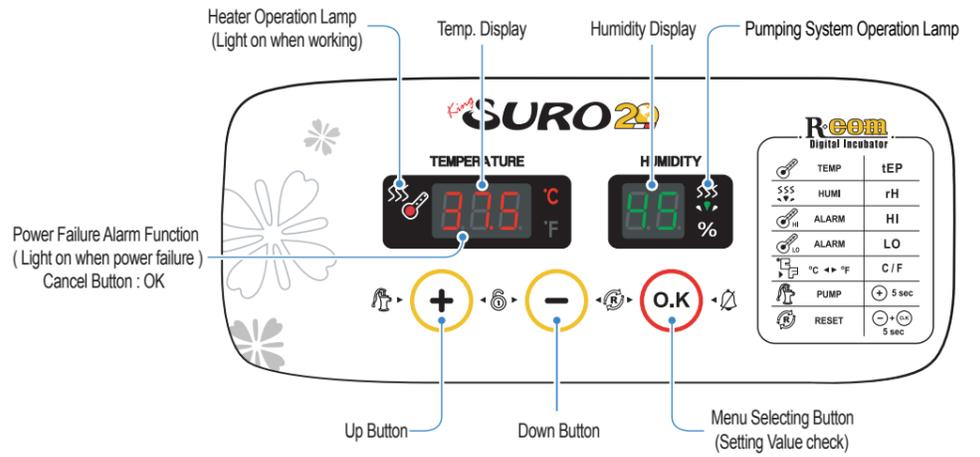
**💡 Spray lubricating oil such as WD 40 on the gear part or operation part of EGG VAN for helping smooth operation.**

### 3-3. Automatic Pumping System (APS)

Operation instructions for Automatic Pumping System which sold separately will be supplied separately.

## 4. Operation Part Explanation

※ Quick Start : If you connect power, incubator starts incubation with default setting on 4-1.

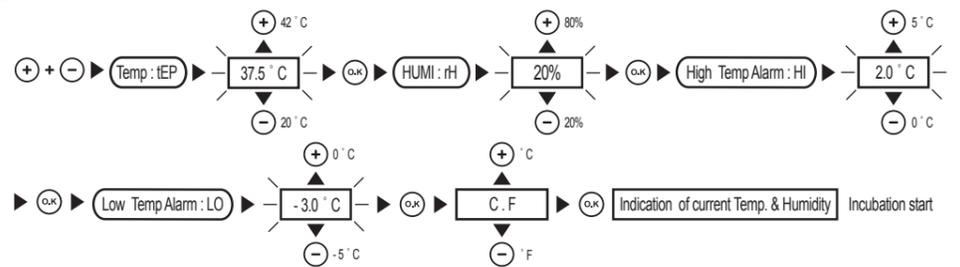


※ The first time you connect power, dot on the display will blink with buzzer sound.

※ Press OK button to remove blinking. (Buzzer sound will be removed automatically after 30sec. )

<b>+</b> · <b>6</b> · <b>-</b>	Setting Mode: Press two buttons at the same time to go to Setting Mode.
<b>OK</b>	Select Menu / Quick Movement Cancellation / Setting value check during incubation
<b>+</b>	Value + / APS is forced to operate if press 5sec. / APS is forced to operate for 2min. if press 10sec.
<b>-</b>	Value - / Factory Initialization

### 4-1. How to Set (Default setting)



### 4-2. How to Work Automatic Pumping System (APS) by Force :

- +** 5sec. ( Press + button for 5sec. )
- +** 10sec. ( Press + button for 10sec. Then, operate by force for 2min. To remove, press any key. )

※ Humidification function works when you connect Automatic Pumping System. (APS)

## 5. Incubator Initialization

### 5-1. User's Initialization + 5sec

▶ Press ( - ) and (OK) button for about 5 sec. at the same time. Then, " rSt AL " will be indicated on LCD, and it is changed to default setting.

▶ When user input setting wrongly, or when incubation terminated.

※ Calibrated value on Calibration Mode is not initialized. (Refer to 9-1.)

### 5-2. Factory Setting + Insert power

▶ Keep pressing ( - ) button and insert power. Then, "rSt" will show on display and the incubator will be initialized to the Factory setting.

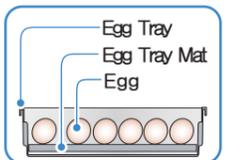
※ All calibrated temp. and humidity are initialized.

※ Both user's setting and calibrated value will be initialized.

## 6. How to Start Incubation

### 6-1 Egg Storage and Sterilization

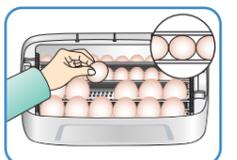
- ▶ Store eggs in cool conditions, and you'd better to turn eggs everyday if you need to store the eggs. Do not use eggs which over 2 weeks passed after laying out.
- ▶ The eggs which are extremely soiled, cracked, or mis-shaped are not good for incubation.
- ▶ Wash the surface of soiled eggs with disinfection liquid if possible.



### 6-2. Temperature Management during Incubation [Default Setting : 37.5 ° C]

**💡 Artificial intelligence incubator controls temperature with checking ambient conditions, and Temp. can be moved up very slowly in some location.**

- ▶ Spread egg tray mat at the bottom of tray ,and stable the incubator temperature for about an hour before placing eggs in the incubator.
- ▶ Control the space of eggs and divider optimally so the eggs do not interrupted for incubation.



※ After hatching, be sure to clean and dry the egg tray mat before storage for next use.

- ▶ Embryo is very sensitive at the first week of incubation period, and be careful the temperature does not fall down when egg inspection. Temperature variation can highly affect incubation result, and be sure to check power failure, abnormal high temperature alarm, abnormal low temperature alarm. Periodical egg Inspection after 8 days of incubation will be helpful.