

# Mini Advance high performance egg incubator

### User instructions

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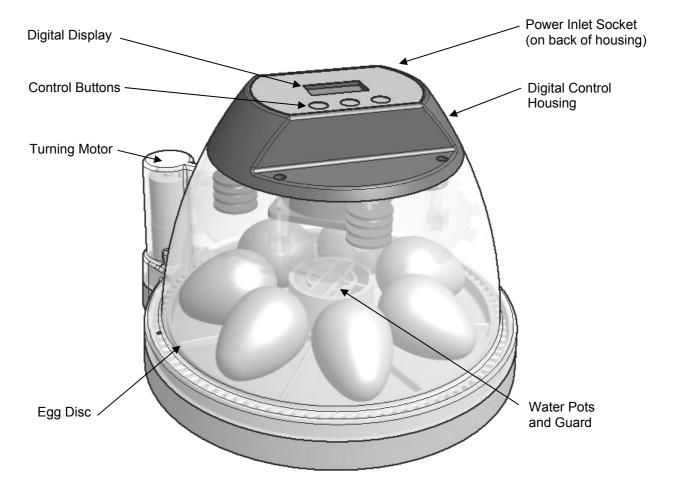
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#### 1 Introduction

These instructions detail the operation of your new Mini Advance digital incubator. Please read these instructions carefully before setting up your machine to achieve best results and keep these instructions safe for future reference. This document includes recommended procedures for successful hatching but incubation involves the control and manipulation of a large number of factors and in certain circumstances different procedures may be necessary. Your incubator is designed to allow the user to vary the incubation conditions to suit a wide range of species in different ambient conditions and the specific set-up for every situation is beyond the scope of these instructions.

There is a range of books available covering incubation techniques, for more information or to request a book list please don't hesitate to contact us.

Fig. 1 Functional features of the Mini Advance



## 2 Quick Reference (please read relevant section for detail)

This quick reference is intended to allow users to quickly set up the incubator and learn the key features of the control system. Please read the rest of the instructions to obtain a full understanding of each feature.

DO NOT COVER THE INCUBATOR. FOR INDOOR USE ONLY. THE INCUBATOR MUST BE PLACED IN AN AREA NOT SUBJECT TO SPLASHES OF WATER OR WET CONDITIONS AND OUT OF REACH OF ANIMALS AND CHILDREN.

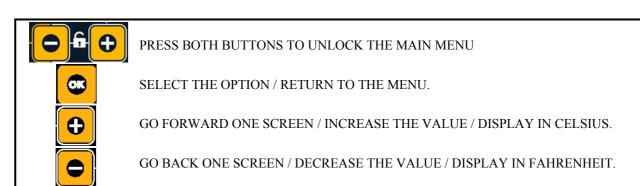
THIS INCUBATOR IS NOT A TOY AND MAY ONLY BE OPERATED BY CHILDREN UNDER ADULT SUPERVISION.

FOR CONTINUED PROTECTION AGAINST FIRE AND ELECTRIC SHOCK ONLY USE THE POWER SUPPLY UNIT AS SUPPLIED WITH THE INCUBATOR. Spares are available from Brinsea Products Ltd.

- 1) Carefully unpack the incubator (section 3)
- 2) Place the egg disc in the base of the incubator, ribbed side up
- 3) Fit the water pot guard to prevent chicks drowning
- 4) Insert the jack plug of the power supply unit into the power inlet socket on the back of the control housing
- 5) Plug the power supply unit into a convenient mains outlet

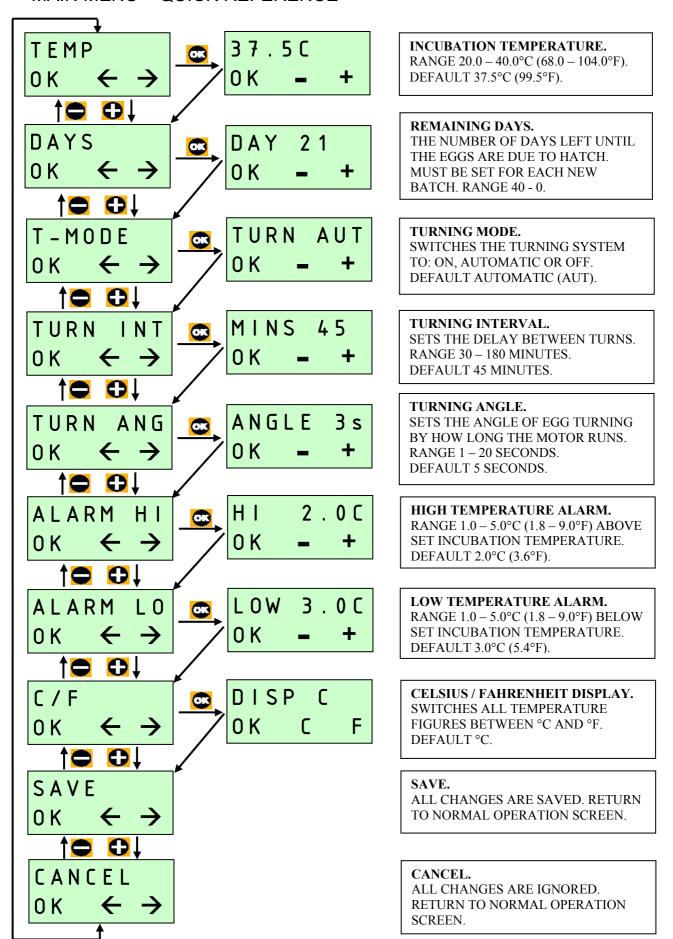
The incubator will sound its buzzer and start to warm up.

To access the Main Menu press the – and + buttons simultaneously.



Recommended temperatures:			Typical incubation period:
Hens	37.4 – 37.6°C	99.3 – 99.6°F	21 days
Pheasant	37.6 – 37.8°C	99.6 - 100°F	23-27 days
Quail	37.6 – 37.8°C	99.6 - 100°F	16-23 days
Ducks	37.4 – 37.6°C	99.3 – 99.6°F	28 days
Parrots:			
Amazons	36.8 – 37.0°C	98.3 – 98.6°F	24-29 days
Macaws	36.8 − 37.0°C	98.3 – 98.6°F	26-28 days
Love birds	36.8 − 37.0°C	98.3 – 98.6°F	22-24 days
African Grey	36.8 − 37.0°C	98.3 – 98.6°F	28 days
Eclectus	36.8 – 37.0°C	98.3 – 98.6°F	28 days
Amazons Macaws Love birds African Grey	36.8 – 37.0°C 36.8 – 37.0°C 36.8 – 37.0°C	98.3 – 98.6°F 98.3 – 98.6°F 98.3 – 98.6°F	26-28 days 22-24 days 28 days

#### MAIN MENU – QUICK REFERENCE



### 3 Unpacking

Your incubator has been supplied in protective packaging. Please remove all tape, strapping and packing from the incubator and parts. Retain the carton and packing materials to enable the unit to be repacked.

Your incubator will include as standard:

Quantity	Item
1	Incubator (including removable lid)
1	Egg Disc
1	Water Pot Guard
1	Power Supply Unit

- 3.1 Please identify each part and check that they are all present and undamaged. If there are any parts damaged or missing please contact your retailer or Brinsea Products (at the address at the end of the document).
- 3.2 To register your new Brinsea product please visit www.brinsea.co.uk and follow the link on the right hand side of the home page to qualify for your <u>free</u> 2 year guarantee.
- 3.3 Go to www.Brinsea.co.uk and register as a free member of the Brinsea Email Group to receive the latest news and information such as advance notice about new products, special offers, exclusive competitions and much more.

#### 4 Location and Installation

- 4.1 Your incubator will give best results in a room free from wide temperature variations and with generous ventilation particularly if several incubators are running at the same time. Ensure that the room temperature cannot drop on a cold night. Ideally thermostatically control the room at between 20 and 25°C (68 and 77°F). Never allow the room temperature to drop below 17°C (63°F) and ensure that the incubator cannot be exposed to direct sunlight.
- 4.2 ONLY USE THE POWER SUPPLY UNIT SUPPLIED WITH THE PRODUCT. USE OF A DIFFERENT POWER SUPPLY MAY CAUSE A HAZARD AND WILL INVALIDATE ANY WARANTEE.
- 4.3 Connect the power supply unit cable to the socket on the back of the incubator lid. Ensure the connector is pushed fully home in its socket.
- 4.4 Place the incubator on a flat, level surface that is resistant to moisture and scratching. The base of the incubator must sit flat on the surface as this traps air under it as part of the thermal insulation.
- 4.5 Remove the lid and fill one of the two water pots with water or 100:1 Brinsea Incubation Disinfectant Solution. Fit the water pot guard to prevent chicks drowning.
- 4.6 Fit the egg disc with its ribbed side upwards and replace the lid. Note that a disc for holding up to 12 small (e.g. quail) eggs may be purchased as an accessory. Contact Brinsea at the address at the end of these instructions or a Brinsea stockist.
- 4.7 Plug the power supply unit into a suitable outlet ensuring that the cable is not pulled tight. The incubator fan will start, the buzzer sound and the LCD display on the temperature control housing will display the air temperature and remaining days.
- 4.8 Allow the incubator to run for at least an hour to stabilise the temperature before making adjustments or setting eggs.

## 5 Digital Control System



The Mini Advance control system utilises a highly accurate, individually calibrated sensor for temperature. Be cautious of low cost analogue or digital thermometers when comparing them with the incubator display reading.

5.1 NORMAL OPERATION – Temperature, number of days remaining until the hatch is due and turn system status are continuously displayed.

The asterisk "\*" adjacent to the temperature reading shows when the heater power is on. When warming the asterisk will be continuously on, once warmed up the asterisk will slowly flash as the heater is pulsed to maintain the correct temperature. When reducing the temperature setting the asterisk may go off, this is normal.

If turning is switched off an "O" flashes at the corner of the display.

If turning is switched on a line "/" symbol rotates at the corner of the display.

5.2 POWER LOSS DISPLAY – If power has been interrupted due to a power cut (or when first switching on) a "P" is shown flashing in the corner of the display. Press OK for 2 or more seconds to clear the indicator. If the reason for the power loss is not known check the power cable connections are secure.

Once the "P" indicator has been cleared, it is advisable to candle eggs a number of times to check for losses.

T \* 3 7 . 5 C D A Y : 2 1 P /

5.3 HIGH TEMPERATURE ALARM DISPLAY – If the measured temperature goes up by more than the figure in the ALARM HI screen, the alarm will sound immediately and "H" will be displayed. Press OK to silence the alarm for 30 minutes.

If the high temperature problem rectifies itself the "H" remains on the display to show this has happened. Press OK to clear the indicator. Check the incubator is not (and has not been) in direct sunlight or too near a heat source such as a room heater. It is advisable to candle eggs a number of times after this event to check for losses.

T 39.8C DAY:17H/ 5.4 LOW TEMPERATURE ALARM DISPLAY – If the measured temperature goes down by more than the figure in the ALARM LO screen, after 30 minutes "L" will be displayed and the alarm will sound. Press OK to silence the alarm for 30 minutes.

If the low temperature problem rectifies itself the "L" remains on the display to show this has happened. Press OK to clear the indicator. Check the incubator is not (and has not been) in a cold draught or that the room temperature has dropped significantly. It is advisable to candle eggs a number of times after this event to check for losses.

T \* 3 2 . 1 C D A Y : 1 5 L /

5.5 CHANGING SETTINGS – The Main Menu allows the various settings to be modified and saved. All changes are retained in the event of a power cut.

To access the Main Menu press the + and – buttons simultaneously to unlock the display. For full details of menu settings please refer to the guide on page 4 and relevant sections.

### 6 Storage of Eggs

- 6.1 Store eggs in cool, damp conditions. Most species may be safely stored for up to 14 days before serious reductions in hatch rates are likely. Daily turning of stored eggs also helps maintain hatchability.
- 6.2 Discard cracked, mis-shaped and heavily soiled eggs (if possible). Only wash soiled eggs using a brand egg wash solution such as Brinsea Incubation Disinfectant Concentrate following the manufacturer's instructions. It is essential to wash eggs in solution which is significantly warmer than the egg. Bear in mind that all solutions will remove the outer cuticle from the egg as well as the dirt and may leave the egg at greater risk from bacterial contamination in the future.

## 7 Temperature

Stable and correct temperature is essential for good results. Adjust with care.

- 7.1 Note: your incubator may not be set to the correct temperature from the factory and the following procedure must be followed before setting eggs.
- 7.2 As the incubator warms up and approaches its control setting the heater on asterisk "\*" will change from continuously on to flashing. Allow the incubator to stabilise for at least an hour before adjusting the temperature.
- 7.3 SETTING THE TEMPERATURE

Press the - and + buttons simultaneously to unlock the Main Menu.

Press OK to select the temperature screen and adjust as necessary using the + and – buttons.

Press OK to return to the Main Menu and then scroll down to SAVE. Press OK to save the changes.

When reducing temperature the asterisk may go out while the incubator cools – this is normal.

7.4 Refer to the digital temperature display to check temperature. The display shows the air temperature in increments of 0.1°C (0.2°F). Adjust temperature with care – small differences have large effects on hatching performance.

- 7.5 The Display can be switched to show all temperature settings in degrees Fahrenheit. Press the and + buttons simultaneously to unlock the main menu. Scroll to the C/F option and press OK to select the C/F display screen. Press the + button to select °F or the button to select °C. Press OK to return to the Main Menu and then scroll down to Save. Press OK to save the changes.
- 7.6 Recommended temperatures:

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Hens	37.4 – 37.6°C	99.3 – 99.6°F	21 days
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Ducks	37.4 – 37.6°C	99.3 – 99.6°F	28 days
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Love birds	36.8 – 37.0°C	98.3 – 98.6°F	22-24 days
African Grey	36.8 – 37.0°C	98.3 – 98.6°F	28 days
Eclectus	36.8 – 37.0°C	98.3 – 98.6°F	28 days

- 7.7 Developing embryos are fairly tolerant of short term temperature drops and the user need not be concerned about cooling that occurs when inspecting eggs. Temperatures above ideal can quickly have a serious detrimental effect on hatch rates and must be avoided.
- 7.8 The Mini Advance has a built-in temperature alarm which warns of high or low temperatures. See section 5 for details.

## 8 Humidity and Ventilation

Short term variations in humidity are not important. The average humidity over the incubation period needs to be near optimum to achieve the ideal weight loss. High humidity for the day or two of hatching is also important. Beware chronic, excessive humidity.

- 8.1 Two factors affect incubation humidity: water evaporation within the cabinet (from eggs as well as from additional water) and levels of ventilation. The water content of the air being drawn through the incubator will also have an effect.
- 8.2 There are three methods available to bird breeders to achieve correct humidity levels:
  - a) Follow the manufacturer's guidelines for water levels (see below).
  - b) Measure humidity levels and adjust to match published guidelines for different species (see below).
  - c) Monitor egg weight loss which varies as a direct result of humidity and correct against published weight loss figures for the species.
    - a) As a general guide for poultry/game/waterfowl maintain water in one of the two water pots from the time eggs are set until 2 days before hatching is due the depth of water doesn't matter. If the incubator is full of parrot (and parrot like species) eggs the incubator may be run without water for some of the early incubation period.

For all species ensure the water level is above the divider between the two pots for the last two days of incubation. Higher humidity levels are needed for hatching to prevent membranes drying too quickly. Fit the water pot guard to prevent chicks drowning.

The above guidelines make no provision for different ambient conditions and are necessarily rather generalised but they are simple and often effective.

b) If measuring humidity levels directly be cautious of readings from low cost analogue or digital hygrometers.

Generally accepted incubation RH levels for species groups:

During incubation	Poultry Waterfowl Parrots	40-50% RH 45-55% RH 35-45% RH
Hatching	All species	65% RH or more

For more specific information on particular species' requirements check the relevant literature.

c) Eggs lose moisture through their shells and the rate of evaporation depends on the humidity levels around the eggs and the shell porosity. During incubation eggs need to lose a fixed amount of water which corresponds to a loss in weight of around 13-16% depending on species. By weighing eggs periodically during incubation it is possible to monitor and, if necessary, correct humidity levels to achieve the correct weight loss.

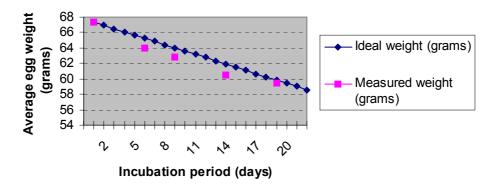
Weigh the eggs on the day they are set in the incubator, take the average weight and plot this on a graph (see example below). The ideal weight loss line can be plotted by joining the point representing initial average weight with the ideal hatch weight (13-16% less depending on species) with the x-axis representing the incubation period (in days).

By measuring actual average weights every few days the actual weight loss can be plotted and compared to the ideal weight loss line and corrections can be made. For example if the actual weight loss was greater than ideal (see graph below) then the air has been too dry and humidity levels need to be increased to compensate.

Typical ideal weight losses for species groups:

Poultry 13% Parrots 16% Waterfowl 14%

### Egg weight loss chart



- 8.3 Of the three methods given above the most reliable is egg weight method and is recommended particularly where poor hatch rates are experienced or if eggs of high value are being incubated.
- 8.4 Have water in neither, one or both of the water pots to change the humidity level. Humidity levels are further increased by maintaining the water level above the divider between the pots. **Fit the water pot guard to prevent chicks drowning.**

- 8.5 In all cases the humidity for hatching needs to be high. Because of the short duration involved water/weight loss will not be significantly affected. High humidity is necessary to prevent membranes drying and hardening before the hatch fully emerges. Humidity will naturally increase as the first eggs begin to hatch and internal membranes begin to dry. This effect is in addition to the increased area of water evaporation from the water pots.
- 8.6 During hatching the high humidity levels will fall dramatically when the lid is opened and will take some time to build up. Resist the temptation to lift the lid frequently leave for at least 6 hours between inspections.

It is normal for some condensation to occur on the cooler exposed parts of the clear top. This natural phenomenon is not a hazard or a problem for incubation.

## 9 Egg Setting and Day Countdown

- 9.1 The Mini Advance is designed to accommodate 7 eggs of different sizes up to some duck eggs. An alternative egg disc for up to 12 small eggs such as quail may be purchased as an accessory. Contact your retailer or Brinsea Products.
- 9.2 Before setting eggs ensure that the incubator has been run for several hours and has stabilised at the correct temperature.
- 9.3 Set the eggs in the pockets in the egg disc. Most eggs favour being set with their pointed ends towards the edge of the egg disc (blunt end towards the centre). Some experimentation may be required to check which direction gives the most even turning. Very small eggs typically favour being set with their points towards the centre, especially when using the Small Egg Disc for 12 eggs.
- 9.4 Eggs should rest so that their pointed end is down most of the time. This will happen more naturally as the air space gets larger during incubation. If a particular egg is tending to rest point upwards turn it round to face the other way in the pocket on the egg disc.
- 9.5 Ensure the eggs are clean around their middle as large pieces of dirt may prevent them turning correctly.
- 9.6 The day countdown may be set to the correct number of days for the particular species of egg being incubated. If the turning system is in automatic mode (section 10) the eggs will stop being turned 2 days before the eggs are due to hatch. Note that if the eggs have already been incubated by the parent bird the number of days should be reduced accordingly.
- 9.7 <u>Typical incubation periods for a number of species are listed on page 3.</u>

#### 9.8 SETTING THE DAY COUNTDOWN

Press the - and + buttons simultaneously to unlock the Main Menu.

Press + to scroll to the day countdown option.

Press OK to select the day countdown screen and adjust as necessary using the + and – buttons e.g. hens 21, ducks 28.

Press OK to return to the Main Menu and then scroll down to SAVE. Press OK to save the changes.

- 9.9 Switch the turning system on see section 10. A revolving line symbol "/" should be shown in the corner of the display.
- 9.10 Once the eggs have been set the temperature must not be adjusted for 24 hours to allow the eggs to warm. Check the water level every 3 days or so and temperature daily. Candle the eggs after 1/3rd of the incubation period has elapsed to reject clear, infertile eggs (see section 14).

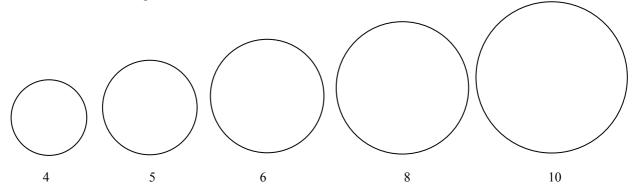
### 10 Egg Turning

The Mini Advance turning system has three modes of operation:

- 10.1 ON The turning system will alternately roll the eggs left and right irrespective of the Day Countdown. A revolving line symbol "/" is shown in the corner of the display.
- 10.2 AUTO The turning system will alternately roll the eggs left and right until the Day Countdown reaches 2. Turning will then automatically be switched to OFF and an "O" will flash in the corner of the display.
- 10.3 OFF The turning system is switched off irrespective of the Day Countdown. This is used for hatching purposes. An "O" will flash in the corner of the display.

The length of time interval between turns may be adjusted and the angle the eggs are turned through may also be adjusted to suit different size eggs. The turning motor runs for a set time and this time (in seconds) can be adjusted to achieve the appropriate turn angle for the eggs.

Larger eggs will require a longer turn to achieve the same angle as smaller ones. Use the chart below for a simple guide. Match the TURN ANG setting to the diameter of the eggs. This should give a turn angle of between 90 and 120 degrees.



"TURN ANG" setting in Seconds

If eggs of mixed sizes are being incubated it will be necessary to compromise the turning angle. In general, if the larger eggs turn through 90 degrees (1/4 of a turn) then the smaller ones may turn through twice this with no problem. Parrot like species may benefit from larger turns in the first half of incubation.

10.4 SETTING THE TURNING OPTIONS (please refer to page 4 for clarity).

Press the - and + buttons simultaneously to unlock the Main Menu.

Press + to scroll to the T-MODE option.

Press OK to select the turning mode screen and use the + and – buttons to set to ON, AUTO or OFF as required.

Press OK to return to the Main Menu. The TURN INT option will now be displayed. Press OK to select the turn interval screen and use the + and – buttons to set the delay between turns in minutes as required.

Press OK to return to the Main Menu. The TURN ANG option will be displayed. Press OK to select the turn angle screen and use the + and – buttons to set the turning angle timer as appropriate for the size of the eggs.

Press OK to return to the Main Menu and then scroll down to SAVE. Press OK to save the changes.

If the turning mode is switched to ON remember to stop the turning 2 days before the eggs are due to hatch.

### 11 Hatching

- 11.1 If hatching in the Mini Advance remove the egg disc two days before the hatch is due.
- 11.2 In AUTO mode the turn system will switch itself off at day 2 on the Day Countdown. If using ON mode the turning must be switched to OFF manually in the control menu.
- 11.3 For cleanliness it is recommended to place a sheet of kitchen paper or similar in the bottom of the incubator under the eggs when they are due to hatch. Tear a hole in the middle to fit over the water pots. This also helps the chicks stand more comfortably.
- 11.4 Eggs nearing hatch are slightly less sensitive to temperature variation and the hatching temperature can be reduced by up to 1°C (2°F) but this is not essential.
- 11.5 Hatching humidity levels need to be high (see section 8 above). Ensure the water pots are full to above the divider between them. **Fit the water pot guard to prevent chicks drowning.**
- 11.6 When most eggs have hatched (12 to 48 hours after the first egg hatches) remove the hatchlings to a brooder. The Brinsea Cosylamp is ideal for poultry and waterfowl etc. The Brinsea TLC-4 Brooder is recommended for exotics.
- 11.7 During hatching the high humidity levels will fall dramatically when the lid is lifted and will take some time to build up. Resist the temptation to open the incubator frequently leave for at least 6 hours between inspections.

## 12 Cleaning Up

IMPORTANT:

DISCONNECT THE INCUBATOR FROM THE MAINS POWER SUPPLY DURING CLEANING.

ENSURE THAT ALL ELECTRICAL PARTS ARE KEPT DRY. DO NOT IMMERSE THE INCUBATOR TOP.

- 12.1 NEVER WASH THE BASE, EGG DISCS, COVERS OR CABINET PARTS IN LIQUIDS OVER 50°C (120°F). DO NOT USE A DISHWASHER TO CLEAN EGG DISCS, INCUBATOR BASE OR LID. Following each hatch in the Mini Advance remove and wash the egg disc and base in Brinsea Incubation Disinfectant Solution. Wipe all other internal surfaces with a soft cloth soaked in the solution. Ensure that the instructions supplied with the fluid are followed.
- 12.2 Be sure to clean the air vent holes to keep them clear. There are two small holes on the bottom "skirt" of the lid and one on the back of the clear part of the lid above the level of the fan cover.
- 12.3 If a separate hatcher is used the procedure above should still be followed every two months.
- Periodically unscrew the four screws retaining the fan cover, remove the cover and soak. Dust and fluff may be removed from the fan and heater cord with a soft brush. USE NO LIQUIDS. DO NOT TURN THE LID OVER AS THE FAN IS NOT FIXED ONCE THE FAN COVER IS REMOVED. The fan should be located on the 4 pegs under the lid before the cover is re-fitted.

THE INCUBATOR MUST NOT BE USED WITHOUT THE FAN COVER FITTED. THE COVER SUPPORTS THE FAN AND PROVIDES PROTECTION FROM THE MOVING BLADES.

- 12.5 The exterior of the incubator may be cleaned with a damp cloth. Avoid allowing any moisture to get inside electrical housings.
- 12.6 ALWAYS CLEAN THE INCUBATOR BEFORE STORAGE AND ENSURE THAT THE UNIT IS TOTALLY DRY INSIDE AND OUT. ALLOW IT TO RUN FOR 24 HOURS WITH NO WATER IN TO ENSURE IT IS THOROUGHLY DRY.

### 13 Servicing and Calibration

13.1 In case of failure first check that the mains Power Supply Unit is fully engaged in the socket and that its lead and plug are fully engaged in the socket in the top of the incubator. The digital control system may be reset to the original factory defaults by connecting the power supply while holding the OK button. Check temperature calibration after resetting to defaults.

If the problem persists contact your distributor or Brinsea Products Service Dept.

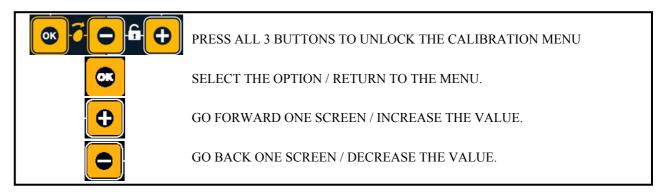
- 13.2 The functional parts of the Mini Advance are modular and parts are available and are readily exchanged by a suitably qualified person equipped with basic tools. Fitting instructions are supplied with replacement parts.
- 13.3 The digital temperature display is individually calibrated during manufacture but may be re-calibrated if required. To ensure optimal performance return the incubator to Brinsea Products Service dept. for re-calibration every two years. It is not recommended that this procedure is carried out by the user.

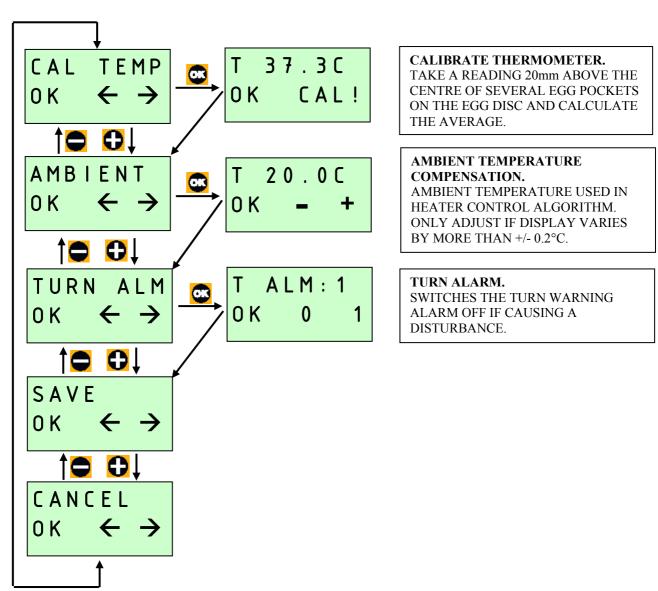
BE CAUTIOUS OF LOW COST ANALOGUE OR DIGITAL THERMOMETERS.

BRINSEA PRODUCTS LTD USES SOPHISTICATED EQUIPMENT TRACEABLE TO INTERNATIONAL REFERENCE STANDARDS.

To access the Calibration Menu press all three buttons simultaneously to unlock the display.

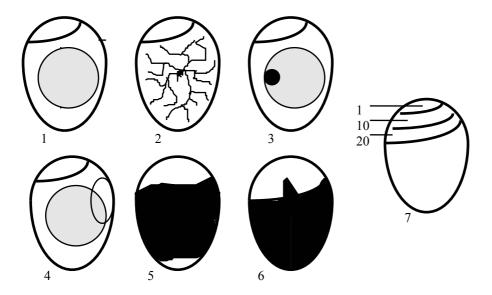
### **CALIBRATION MENU**





### 14 Troubleshooting

- 14.1 Poor hatching results are frustrating and can be caused by a large number of factors. The most common are given below. Brinsea Products will not be held responsible for loss of eggs or chicks under any circumstances. However we will try to advise on incubation technique to improve results where necessary.
- 14.2 Gather as much information from the hatching results as possible to enable the problem to be analysed in detail. Record dates that eggs are set, incubator settings, dates of hatches, weight losses and the number and condition of hatchlings. Candle or break open unhatched eggs to estimate the extent of embryo development. The Brinsea Cool-Lume or Egg-Lume candling lamps are available from your dealer.



- 1) Clear when candled probably infertile (or very early death) when candled at  $8\ \text{days}$
- 2) Fertile with red blood vessels after 8 days
- 3) Red or black staining early death when candled at 8 days
- 4) Embryo with red blood 'ring' early death when candled at 8 days
- 5) Dark outline with ill defined detail late death (10-16 days)
- 6) Live embryo with bill in air sack due to hatch in 24-48 hours
- 7) Normal development of the air pocket according to number of days

#### General guides:

Observation	Likely Cause(s)	Solution(s)
No chicks hatch	Infertility, infection, drastically incorrect incubation settings, parent ill health.	Check egg viability – are similar eggs hatching naturally. Disinfect the incubator. Check incubator settings and procedures – particularly temperature.
Chicks hatch earlier than expected, deformities.	Incubation temperature too high	Reduce incubation temperature slightly 0.5°C (1°F)
Chicks hatch later than expected	Incubation temperature too low	Raise incubation temperature slightly 0.5°C (1°F)
Hatch dates widely spread	Different rates of development due to different storage times, incubation temperature variation.	Limit egg storage times. Check for incubation temperature variation – sunlight, large room variation etc.
Late stage 'death in shell'	Incorrect humidity, probably too high.	Try reducing average humidity levels (but see section 8 above)
Generally poor results	Incorrect incubation settings, poor parent bird health, inadequate egg turning,	Improve parent bird health, check all incubation settings, analyse egg weight loss to confirm humidity correct, check turning working correctly.

# 15 Specification

Mini Advance Maximum Setting Capacities:

Egg size Typical capacity

12 Quail Pheasant 12 Amazon/Macaw 7 7 Hen 7 Duck

Dimensions: 22cm x 22cm x 16.5cm high

Weight: 0.89 Kg

Power Consumption:

Incubator maximum 18 Watts (typical average) 12 Watts

Power Supply Unit: 100 - 230v, 50Hz, 0.5A max.

Registered Community Design Application No 001130082

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