



# USER MANUAL

Incubator EU PROFI C-24



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# Installation

## Choosing the Right Location for Your Incubator

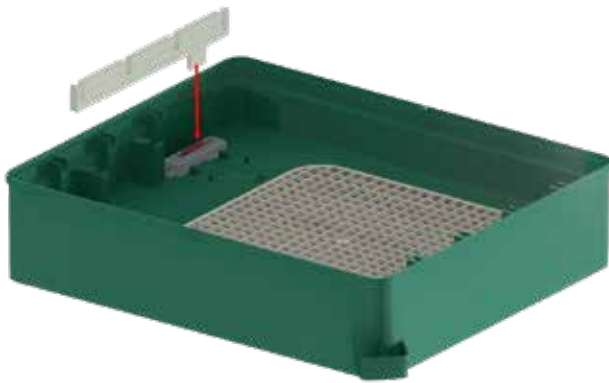
Incubation room environment can have a considerable effect on hatch rate.

The incubator need to be placed in a room with stable temperature between 22°-26°C (72°-80°F). Pay attention to the room temperature to ensure that it doesn't drop below 70°F (21°C) particularly at night. Do not place the incubator near a window to avoid direct sunlight and drafts.

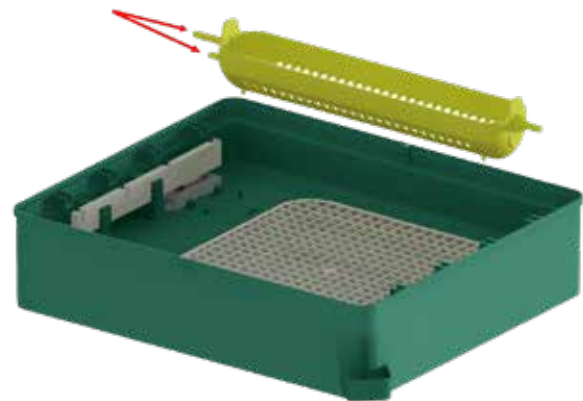
**CAUTION: DO NOT use the incubator on the floor. Air is not fresh close of the ground due of CO2 concentration.**

## Install the incubator

a) Fit the grey egg carrier link into the bottom slot where the red arrow pointed at on below image.

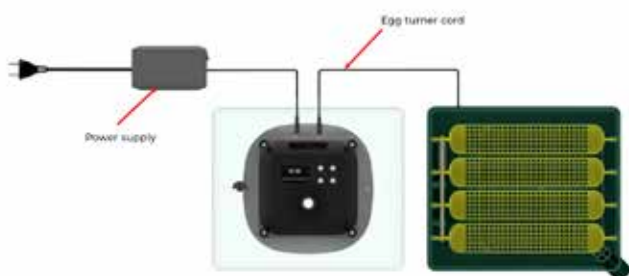


b) Then fit the yellow egg carrier into the grey egg carrier link. Pay attention to fit the end with two pegs into the correct two sockets.

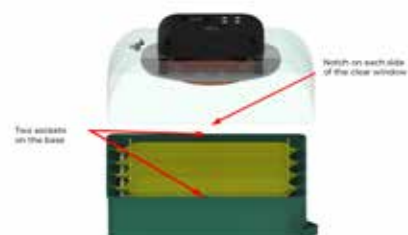


**Must fit the end with two pegs into the two sockets on the incubator base, otherwise it won't work.**

c) Plug the egg turner cord (coming out from the base) into the socket located on the back of the incubator top. Connect the power supply unit to the incubator top.



d) Reattach the top part onto the incubator base ensuring the clear window is completely closed, It's important to align the two notches on the bottom of the clear window with the two sockets on the base. If this is not done correctly warm air will leak out causing inside temperature fluctuation.



# Temperature & Humidity

## Adjusting Temperature & Hatching Days

This incubator is factory pre-set to 99.5°F (37.5°C) and 21 hatch days for chicken eggs.

Upon plugging the incubator into power, the timer will immediately begin its countdown from 21 days and the temperature will gradually increase to 37.5°C (99.5°F). To change the temperature, press and hold the "TEMP" button for 3 seconds, and the pre-set 37.5°C (99.5°F) will blink on the screen. Then, use the "+" or "-" buttons to adjust the temperature. When finished, press the "TEMP" button once more to save and exit the temperature setting mode.

To change the hatch days, press and hold the "DAY" button for 3 seconds, and the pre-set "D-21" will blink on the screen. Then, use the "+" or "-" buttons to adjust the hatch days. When finished, press the "DAY" button once more to save and exit the hatch days setting mode. During the initial warm up period, the "Low Temperature" alarm may be triggered as the unit slowly warms up to 37.5°C (99.5°F). This is normal due to the cooler starting temperature of the eggs, water, and ambient air inside the incubator.

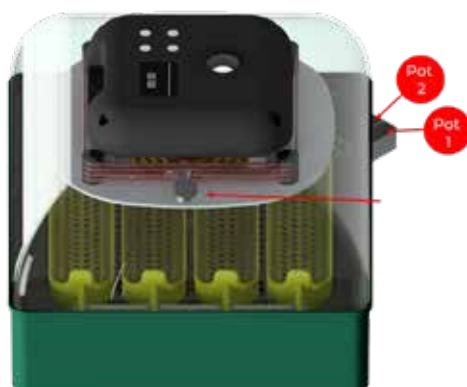
To disable the alarm, press the "TEMP" button once.

The EU PROFI C-24 has the function to switch between Fahrenheit and Celsius. To change the temperature unit, press and hold the "Day" and "+" buttons simultaneously for 3 seconds.

## Controlling Humidity

The humidity in the incubator can be roughly adjusted by adding water to one or both water pots via the external water filling port and can be further adjusted via the air vent knob to achieve the required humidity level, please follow below recommendations:

**Important Note:** Air vent can't be fully closed when use it to adjust humidity; the air vent should be set 1/2 open for first 18 days, if can't get 50-55% humidity with the 1/2 open setting, then further close the vent to increase humidity, BUT must ensure at least 1/3 open for first 18 days and must fully open for last 3 days to ensure adequate ventilation for chicken eggs.



### STEP 1

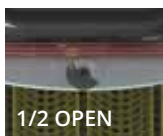
Fill water pot:

\*i.e. Chicken eggs:

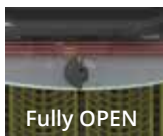
- fill pot "1" for day 1 - 18
- fill pot "1+2" for day 19 - 21

### STEP 2

Adjust grey air vent knob and wait for 2-3 hours for the humidity to fully stabilize. Close the vent to increase humidity or open the vent to decrease humidity.



To ensure adequate air ventilation, recommend to set 1/2 open for first 18 days.



To ensure adequate ventilation, Must fully open the air vent for the last 3 days.

The grey plug on water pot "2" is used to prevent the warm air from leaking out. Do not remove it until 3 days prior to hatch day.

After adding water, the humidity may fluctuate. Allow 2-3 days for the humidity to fully stabilize before making any further adjustments.

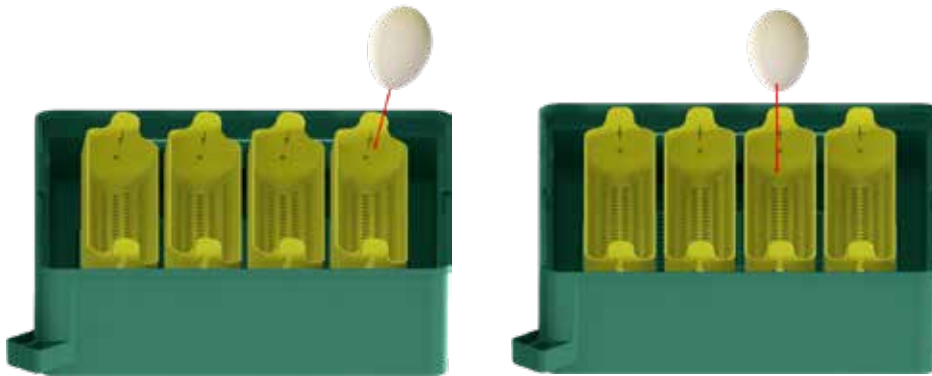
Do not let the incubator run without water.

# Set Eggs

## Settings Eggs & Turning

Before setting eggs, ensure the incubator has been run for 4~5 hours with water filling into water pot "1". Also allow stored eggs to naturally warm up 6~8 hours to room temperature prior to putting into incubator. This will minimize the condensation on egg surface.

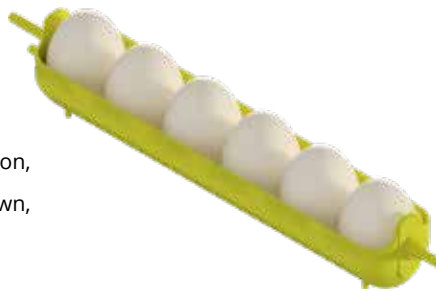
### How to easily set eggs into the yellow egg carrier ?



It would be inconvenient to set the eggs into the yellow egg carriers, if the egg carriers stop at the inclined position (image A). The recommended way is to press the "+" button one time, the yellow egg carriers will start to move, once the egg carriers move to the vertical position, press the "+" button again to have it stop at the vertical position. Now it would be much easier to set eggs into the yellow egg carriers.

The eggs need to be set lying flat or with their pointed ends facing down.

### Pointed ends of eggs facing down



### Eggs lying flat



**CAUTION:** If set eggs in this vertical position, the pointed ends of eggs must face down, otherwise will decrease the hatch rate.

After setting the eggs, conduct 3-5 times turning test to check if each egg is sitting correctly and can turn smoothly. Conduct the test run by press the "+" button one time. Every 60 minutes, the automatic egg turner tips eggs from side to side.

### IMPORTANT NOTE:

1) The timer will begin the countdown from 21 days immediately unplugging the unit in. After running the incubator without eggs for several hours to allow it to stabilize, the timer will need to reset to the full incubation period. To ensure that the timer is accurate to 21 days, reset the timer after setting the eggs. To reset the incubator timer, press and hold the "DAY" and "-" buttons for 3 seconds. The incubator will reset to exactly 21 days and restart the countdown from 21 days.

2) When hatch complete, the timer will countdown to 0 day but won't automatically reset to 21 days to start a new round of countdown, so each time you start a new hatch, remember to reset the timer after you put in new eggs, otherwise the egg turner won't work.

# Egg Candler & Hatching

## Using the Built-in Egg Candler

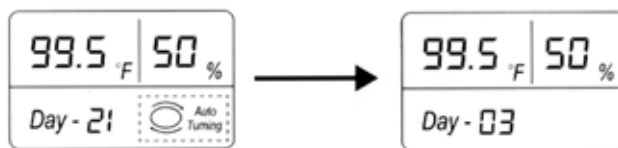
Gently place the large end of egg into the candling zone. Press button "-" and observe the interior of the egg.

### Tips:

- Dimming room light will make observation easier
- During candling, the room temperature is much lower than that in the incubator, for this reason, it's recommended to complete candling in less than 5 minutes.

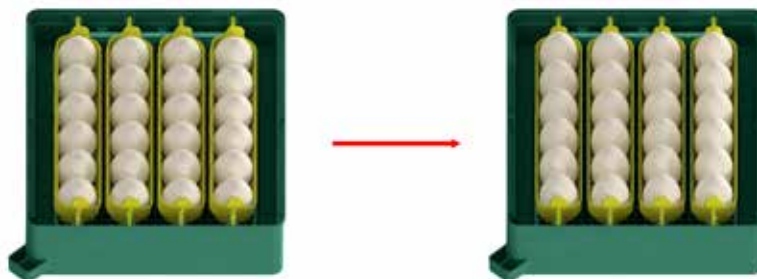
## Preparing for hatching

When the day countdown reaches 3 days before hatching, the egg turner will auto stop turning the eggs and the egg turning icon will disappear on the screen.

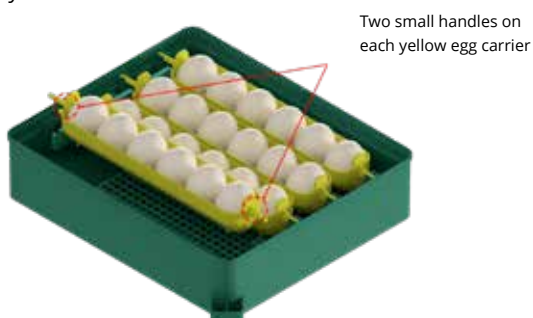


This is a reminder to remove the yellow egg carrier from the incubator base and also to increase the humidity. Follow the steps below:

- 1) Press the "+" button one time, the yellow egg carriers will start to move, once the egg carriers move to the vertical position, press the "+" again to have it stop at the vertical position. now it would be much easier to remove the yellow egg carrier from the incubator base.



- 2) Then hold the two small handles on the yellow egg carrier to remove it from the incubator base. There are four small feet on the bottom of each egg carrier, so the egg carrier can stand on the table by itself.



- 3) Move the eggs from the egg carriers to the incubator base. DO NOT remove the egg carrier link from the base, it can help reduce the dirt falling into the bottom egg turner motor chamber



- 4) Remove the grey plug from water pot "2", fill both water pot "1" and "2" and FULLY open the air vent.

# Factory Settings & Cleaning

## Returning to Factory settings

Resetting the incubator will return it to the factory settings of 37.5°C (99.5°F) and 21 hatch days. To reset the incubator, press and hold both "DAY" and

" - " buttons for more than 3 seconds, the incubator will beep and the display will blink one time, indicating that the incubator has successfully been reset. The incubator timer will then restart the countdown from 21 days again.

## Cleaning the Incubator

Must disconnect the incubator from the mains power supply before cleaning. Wipe all internal surface with a disinfection solution using a damp cloth. Then wipe off with a clean water damp cloth.

Ensure that all electrical parts are kept dry during cleaning. Do not immerse any electrical parts!

### Important Note :

- 1) Do not immerse the incubator base into water, would damage the egg turner motor !
- 2) After clean the incubator, plug the incubator into power to dry run (with no added water) for 24 hours to ensure it is thoroughly dry before usage.

Dimensions	335 x 290 x 240 mm
Weight	2,2 kg aprox.
Material	ABS Plastic
Capacity	24 chicken eggs   24 duck eggs 16 goose eggs   48 pigeon eggs
Power Supply	Voltage: 220V AC Frequency: 50Hz / 60Hz
Control System	Temperature Control: Digital, adjustable Humidity Control: Digital, adjustable Egg Turning: Automatic, adjustable intervals
Display	Digital display showing temperature, humidity and turning status
Additional Features	External water addition ports Ventilation system Alarms for incubation completion Low humidity, sensor alerts Egg Candler

### WARNING!

- 1) This incubator is not a toy ! Children should not play with the incubator and must be supervised by an adult when using it.
- 2) This incubator is only to be used with the power supply unit provided.
- 3) This incubator must be placed in an area where it is out of the reach of animals.
- 4) DO NOT use this incubator on the floor. Air is not fresh close to the ground due to CO2 concentration.

Tabel Fahrenheit - Celsius (°F - °C)

°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C
<b>90</b>	32.22	94.3	34.61	98.6	37.0	102.9	39.39	107.2	41.78	111.5	44.17	115.8	46.39
90.1	32.28	94.4	34.67	98.7	37.06	<b>103</b>	39.44	107.3	41.83	111.6	44.22	115.9	46.44
90.2	32.34	94.5	34.72	98.8	37.11	103.1	39.5	107.4	41.89	111.7	44.28	<b>116</b>	46.5
90.3	32.39	94.6	34.78	98.9	37.17	103.2	39.56	107.5	41.94	111.8	44.33	116.1	46.56
90.4	32.44	94.7	34.83	<b>99</b>	37.22	103.3	39.61	107.6	42.0	111.9	44.39	116.2	46.61
90.5	32.5	94.8	34.89	99.1	37.28	103.4	39.67	107.7	42.06	<b>112</b>	44.44	116.3	46.67
90.6	32.56	94.9	34.94	99.2	37.33	103.5	39.72	107.8	42.11	112.1	44.5	116.4	46.72
90.7	32.61	<b>95</b>	35.0	99.3	37.39	103.6	39.78	107.9	42.17	112.2	44.56	116.5	46.78
90.8	32.67	95.1	35.06	99.4	37.44	103.7	39.83	<b>108</b>	42.22	112.3	44.61	116.6	46.83
90.9	32.72	95.2	35.11	99.5	37.5	103.8	39.89	108.1	42.28	112.4	44.67	116.7	46.89
<b>91</b>	32.78	95.3	35.17	99.6	37.56	103.9	39.94	108.2	42.33	112.5	44.72	116.8	46.94
91.1	32.83	95.4	35.22	99.7	37.61	<b>104</b>	40.0	108.3	42.39	112.6	44.78	116.9	47.0
91.2	32.89	95.5	35.28	99.8	37.67	104.1	40.06	108.4	42.44	112.7	44.83	<b>117</b>	47.06
91.3	32.94	95.6	35.33	99.9	37.72	104.2	40.11	108.5	42.5	112.8	44.89	117.1	47.11
91.4	33.0	95.7	35.39	<b>100</b>	37.78	104.3	40.17	108.6	42.56	112.9	44.94	117.2	47.17
91.5	33.06	95.8	35.44	100.1	37.83	104.4	40.22	108.7	42.61	<b>113</b>	45.0	117.3	47.22
91.6	33.11	95.9	35.5	100.2	37.89	104.5	40.28	108.8	42.67	113.1	45.06	117.4	47.28
91.7	33.17	<b>96</b>	35.56	100.3	37.94	104.6	40.33	108.9	42.72	113.2	45.11	117.5	47.33
91.8	33.22	96.1	35.61	100.4	38.0	104.7	40.39	<b>109</b>	42.78	113.3	45.17	117.6	47.39
91.9	33.28	96.2	35.67	100.5	38.06	104.8	40.44	109.1	42.83	113.4	45.22	117.7	47.44
<b>92</b>	33.33	96.3	35.72	100.6	38.11	104.9	40.5	109.2	42.89	113.5	45.28	117.8	47.5
92.1	33.39	96.4	35.78	100.7	38.17	<b>105</b>	40.56	109.3	42.94	113.6	45.33	117.9	47.56
92.2	33.44	96.5	35.83	100.8	38.22	105.1	40.61	109.4	43.0	113.7	45.39	<b>118</b>	47.61
92.3	33.5	96.6	35.89	100.9	38.28	105.2	40.67	109.5	43.06	113.8	45.44	118.1	47.67
92.4	33.56	96.7	35.94	<b>101</b>	38.33	105.3	40.72	109.6	43.11	113.9	45.5	118.2	47.72
92.5	33.61	96.8	36.0	101.1	38.39	105.4	40.78	109.7	43.17	<b>114</b>	45.56	118.3	47.78
92.6	33.67	96.9	36.06	101.2	38.44	105.5	40.83	109.8	43.22	114.1	45.61	118.4	47.83
92.7	33.72	<b>97</b>	36.11	101.3	38.5	105.6	40.89	109.9	43.28	114.2	45.67	118.5	47.89
92.8	33.78	97.1	36.17	101.4	38.56	105.7	40.94	<b>110</b>	43.33	114.3	45.72	118.6	47.94
92.9	33.83	97.2	36.22	101.5	38.61	105.8	41.0	110.1	43.39	114.4	45.78	118.7	48.0
<b>93</b>	33.89	97.3	36.28	101.6	38.67	105.9	41.06	110.2	43.44	114.5	45.83	118.8	48.06
93.1	33.94	97.4	36.33	101.7	38.72	<b>106</b>	41.11	110.3	43.5	114.6	45.89	118.9	48.11
93.2	34.0	97.5	36.39	101.8	38.78	106.1	41.17	110.4	43.56	114.7	45.94	<b>119</b>	48.17
93.3	34.06	97.6	36.44	101.9	38.83	106.2	41.22	110.5	43.61	114.8	46.0	119.1	48.22
93.4	34.11	97.7	36.5	<b>102</b>	38.89	106.3	41.28	110.6	43.67	114.9	46.06	119.2	48.28
93.5	34.17	97.8	36.56	102.1	38.94	106.4	41.33	110.7	43.72	<b>115</b>	46.11	119.3	48.33
93.6	34.22	97.9	36.61	102.2	39.0	106.5	41.39	110.8	43.78	115.1	46.17	119.4	48.39
93.7	34.28	<b>98</b>	36.67	102.3	39.06	106.6	41.44	110.9	43.83	115.2	46.22	119.5	48.44
93.8	34.33	98.1	36.72	102.4	39.11	106.7	41.5	<b>111</b>	43.89	115.3	46.28	119.6	48.5
93.9	34.39	98.2	36.78	102.5	39.17	106.8	41.56	111.1	43.94	115.4	46.33	119.7	48.56
<b>94</b>	34.44	98.3	36.83	102.6	39.22	106.9	41.61	111.2	44.0	115.5	46.39	119.8	48.61
94.1	34.5	98.4	36.89	102.7	39.28	<b>107</b>	41.67	111.3	44.06	115.6	46.44	119.9	48.67
94.2	34.56	98.5	36.94	102.8	39.33	107.1	41.72	111.4	44.11	115.7	46.5	<b>120</b>	48.72



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