



Dosing Pump

User manual

EN



Installation

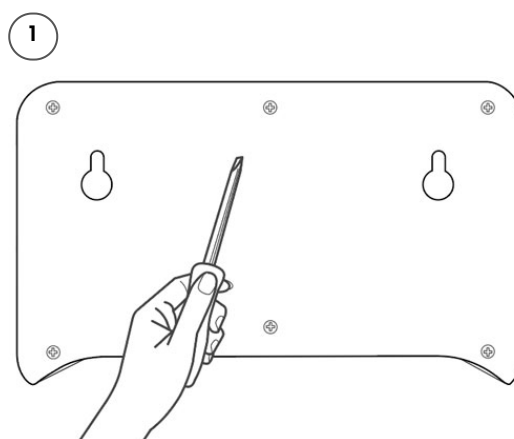
Unpack Dosing pump. Instal in a dry position make sure the dosing pump does not get wet or can fall into the aquarium (damage by water is not covered by warranty).

Connect the adapter to the dosing pump and plug into power socket.

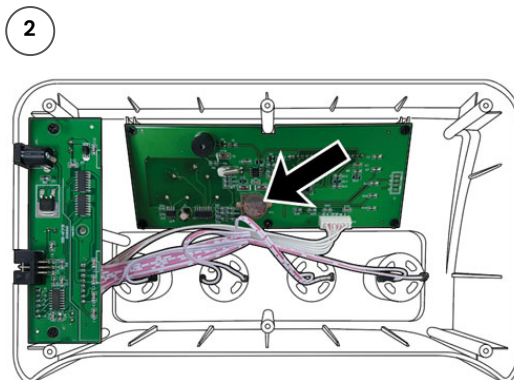
! Important

- Never lubricate the pump!
- It is recommended to calibrate the dosing pump regularly for exact dosage, depending on your usage, this calibration frequency may be needed weekly or monthly.
- The memory function of the dosing pump is powered by an CR1220 button battery, if this unit has been stored long in the store the battery might need to be replaced. We advise to change the battery yearly to ensure correct memory function.

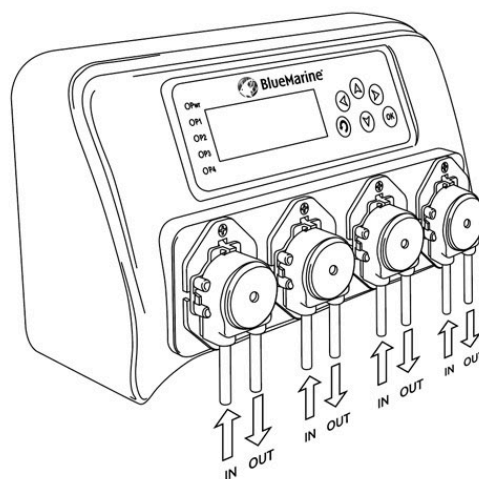
- 1 Loosen the screws on the back of the dosing pump.



- 2 Remove the back cover and replace the battery. Tighten the back cover again.



Usage



- 1 **Set date and time**

Press **"OK"** to go to the date and time settings.

Set Date & Time <
Set Up Program

Control panel »

Press **"OK"** to start the date setting
Press **"1"** and **"3"** to switch between
year/month/day

Press **"2"** and **"4"** to adjust year/month/day
Press **"OK"** to save the date and go to the time
setting.

Set uP New Date
2019-05-01

Control panel »

Press **"1"** and **"3"** to select hour/minute/second.
Press **"2"** and **"4"** to set hour/minute/second.
Press **"OK"** to save the time and return to the
main menu.

Set uP New Time
12:24:09

Control panel »

2

Manual dosing

Press **"1"** and **"3"** to go to the "manual
dosing" setting.
Press and **"4"** to select the pump.
Press **"OK"** to start manual dosing.
Press **"5"** to return to the main menu.

Manu Mode
1 2 3 4

Control panel »

3

Calibration

Before programming, it is essential to calibrate the dosing pump for each pump head you want to use. For this you need a measuring cup of at least 100 ml and distilled water.

Press **"2"** in the main menu to go to the "calibration setting".

Calibration Pump

1 2 3 4

Control panel »

Press **"1"** and **"3"** to select the pump.
Press **"OK"** to enter the calibration setting of the selected pump.

P1 Calibration

100ml- 200

Ensure the inlet tube of the pump you want to calibrate is submerged in water. Place the measuring cup so that all water from the outlet tube of the pump being calibrated is collected.

Press **"2"** to start the pump. Once 100 ml has been collected in the measuring cup, press again to stop the pump.

Press **"OK"** to save and return to the calibration menu.

Repeat the above steps for each pump head.

!

Important:

Ensure there is no air left in the tube before calibrating by first running the pump manually (point 2).

Press **"5"** to return to the main menu.

4

Set automatic dosing

Press "OK" to enter the settings. Press "4" to go to the "program" setting and press "OK" to enter the pump program. Press "1" and "3" to select the pump to be programmed. Press "OK" to go to the "daily dosing" settings.

Set Date & Time
Set Up Program <

Selection Pump
1 2 3 4

Control panel »

4.1

Set daily dosing

Press "2" and "4" to set the number of doses per day from 1 to 24.
Press "OK" to save and go to the "interval days setting."

P1 Time Per Day:
For: 02 (1-24)

Control panel »

4.2

Set interval days

Press "2" and "4" to set the interval days – this determines the number of days between dosing. It can be set in the range 0–30.
0 = dosing every day, 1 = dosing every other day, etc. Press "OK" to save and go to the "dosing volume setting."

P1 Interval Day:
For: 00 (0-30)

Control panel »

4.3 Set dosing volume

Press "1" and "3" to set the dosing volume for the first dose.

Press "OK" to save and go to the first dosing start time setting.

Press "2" and "4" to set the first dosing start time.

Press "OK" to save and go to the second dosing volume setting.

Press "2" and "4" to set the dosing volume for the second dose.

Press "OK" to save and go to the second dosing start time setting.

Press "2" and "4" to set the second dosing start time.

Depending on the number of doses set per day, you must set the volume and time for each dose.

Press "OK" after the last daily setting to save and return to the pump selection menu. Select the next pump and repeat the steps above.

P1 Dosing Volume:
Num:01--1000ml

P1 Dosing Time:
Num:01--10:00

P1 Dosing Volume:
Num:02--500ml

P1 Dosing Time:
Num:02--16:00

Selection Pump
1 2 3 4

Control panel »

5 Set liquid volume in the reservoir

Press "4" to set the liquid volume in the reservoir.

Press "1" and "3" to select the pump and press .

Add Liquid Pump
1 2 3 4

Control panel »

If 100 ml remains in the reservoir and you add 400 ml, the total amount becomes 500 ml. Therefore you must enter the total volume (500 ml) in the reservoir. Press **"OK"** to save. Press **"OK"** again to check. "P1 remain" should now display 500 ml.

Repeat these steps for all pumps.

If the reservoir becomes nearly empty during dosing, the warning indicator of the corresponding pump on the control panel will start flashing.

P1 remain: 100ml
ADD TO: 500ml

P1 remain: 500ml
ADD TO: 500ml

[Control panel »](#)

Technical details

Maximum Flow	70 L/h x 4
Maximum pump height	150 cm
Room temperature	0 - 50°C
Size	250 x 155 x 110 mm (L x W x H)
Power	11 Watt
Adaptor input	100-240V 50/60 Hz
Adaptor output	DC 12V 1A

Safety & Warranty

[View the Safety & Warranty »](#)