

Table1. Dosing pump flow and allows you to add the number of

Flow (ml)	Add the number of times per day
1	1,2
2	1,2,3,4
3	1,2,3,4,6
4,5	1,2,3,4,6,8
6-11	1,2,3,4,6,8,12
12-160	1,2,3,4,6,8,12,24
161-319	2,3,4,6,8,12,24
320-479	3,4,6,8,12,24
480-639	4,6,8,12,24
640-959	6,8,12,24
960-1279	8,12,24
1280-1919	12,24
1920-1999	24

THANK YOU



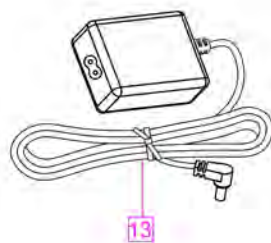
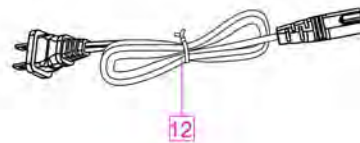
WELCOME

Copyright reserved: JIYANG AQUARIUM EQUIPMENT CO.,LTD  
For more product information, please refer to [www.bubble-magus.com](http://www.bubble-magus.com)

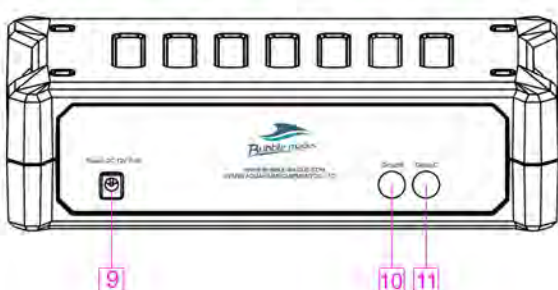
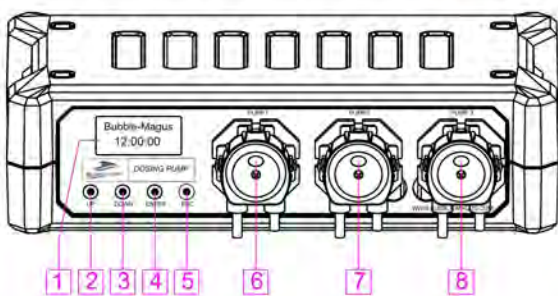
## PackingList

### T11 Dosing pump

S/N	Name	Qty
1	T11 Dosing pump	1
2	Power adapter	1
3	User manual	1
4	PVC tube connectors	3M
5	Hose connectors	3



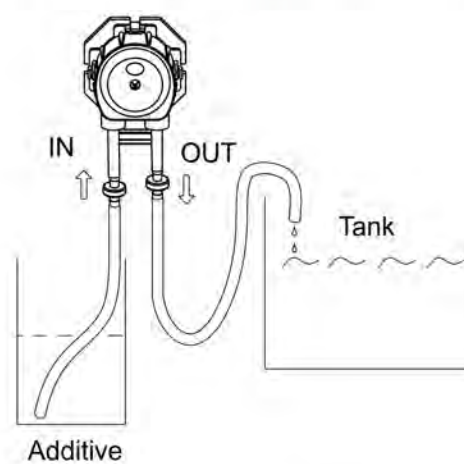
### Dosing pump T11



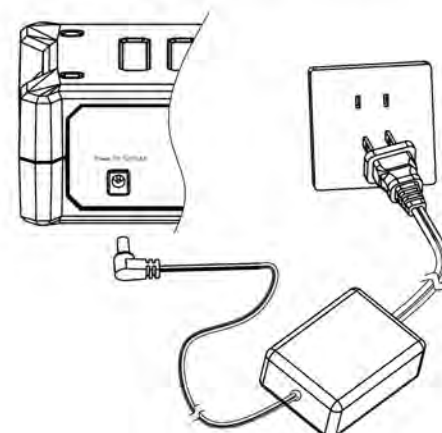
- 1 Screen
- 2 UP button
- 3 DOWN button
- 4 ENTER button
- 5 ESC button
- 6 Pump head 1
- 7 Pump head 2
- 8 Pump head 3
- 9 Power in
- 10 Extend connect B
- 11 Extend connect C
- 12 Power line
- 13 Power adapter

## The prepare before use

1. The PVC tube cut into suitable length and then connection according to drawing.



2. Connect power as drawing.



## CAUTION

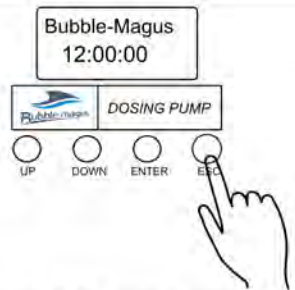
1. Please keep product run on the dry and entilated environment. It's danger to product if wet and water penetration even risk of electric shock.

2. Please keep clear of motor shaft and avoid to rustiness. The lube isn't allowed to daub.

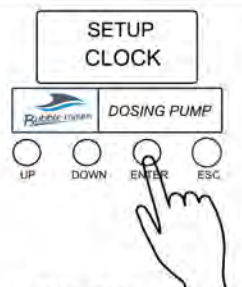
3. The product only allowed to aquarium additive. It can't be use to add strong acid and alkali solution.

# Start to use

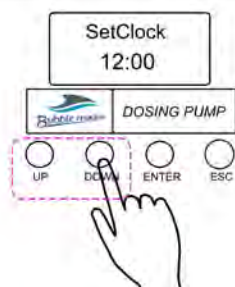
## 1. Clock setting



Press ESC key and UP/DOWN key for chose enter setting mode



Press ENTER key when screen display SETUP CLOCK

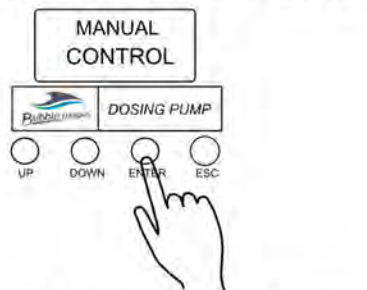


To adjust, press UP/DOWN key enter process to next number to set. Press ENTER key when last number set succeed.

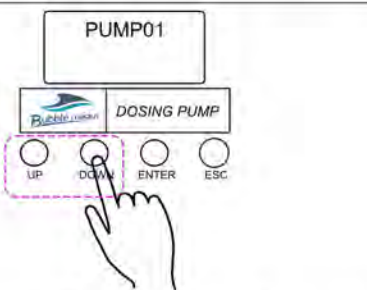
3

## 2. The manual control mode

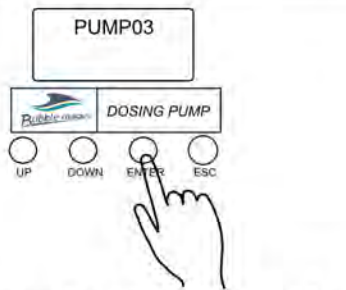
Press ESC key and UP/DOWN key



Press ENTER key when screen display MANUAL CONTROL



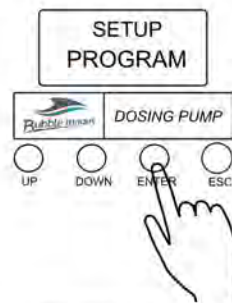
Press UP/DOWN key chose to pump head by manual control



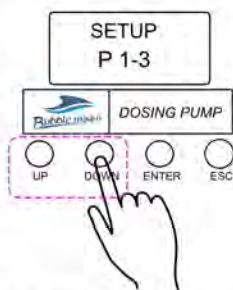
Press and hold ENTER key for manual operation

## 3. Program control mode

Press ESC key and UP/DOWN key on the initial interface



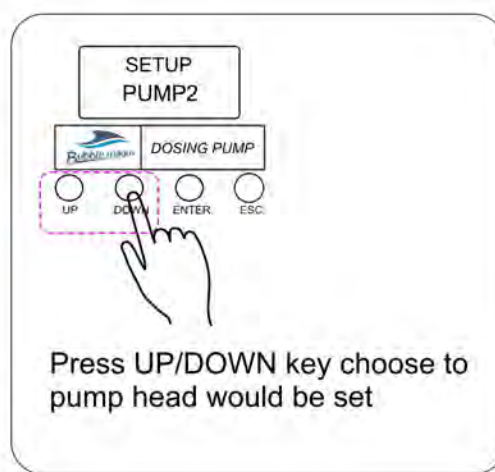
Press ENTER key when screen display SETUP PROGRAM



Press UP/DOWN key for choose a group with pump head set included, then press ENTER key.

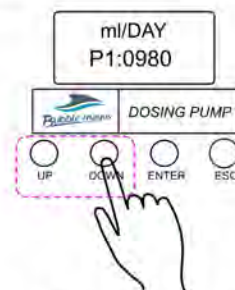
**TIPS:**  
The menu will have P4-7 (GROUP B) or P8-11 (GROUP C) when connect with extend pump T12, then can process to program control.

4



Press UP/DOWN key chose to pump head would be set

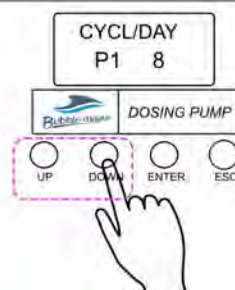
A. Setting up additive amount per day.



Press UP/DOWN key chose additive amount, press ENTER key to next number set, press ENTER key when last number set succeed and then enter next step

**TIPS:**  
The maximum additive amount 1999ml per day was allowed.

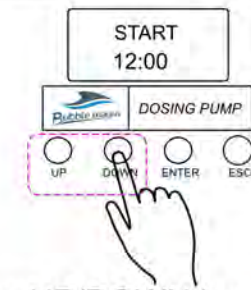
## B. Setting up cycles per day



Press UP/DOWN key chose to additive, press ENTER key to confirm and enter next step.

**TIPS:**  
Then umber of cycles per day can be 24 cycles according to additive amount. As show on the Table1.

## C. Set start time.



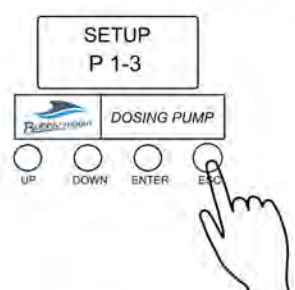
Press UP/DOWN key chose time number.

**TIPS:**  
It's set up start hour only and the number of minutes will arranged via program, the interval time of each pump start up in 5 minutes. Example set up pump 1 and the time show 12:00, set pump 2 and the time show 12:05... set up pump 11 and the time will show 12:50

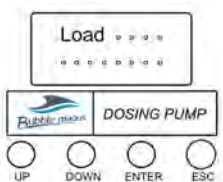
5

## D. Saving

Press ENTER key to next step of another pump head setup.



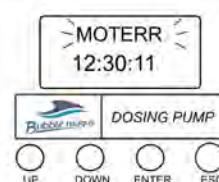
Press ESC key after set up succeed.



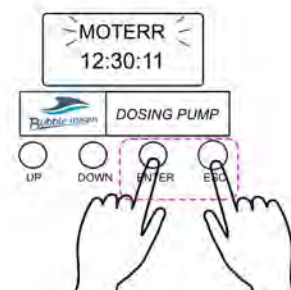
The screen display LOAD... then back to initial interface, set up complete.

**TIPS:**  
Press ESC key for back to previous step during set up action.

## Motor fault alarm and protect



When the motor running get fault and screen display "MOTERR" and error time, the device would stop work and alarm sound "Di... Di... Di..." until exit.

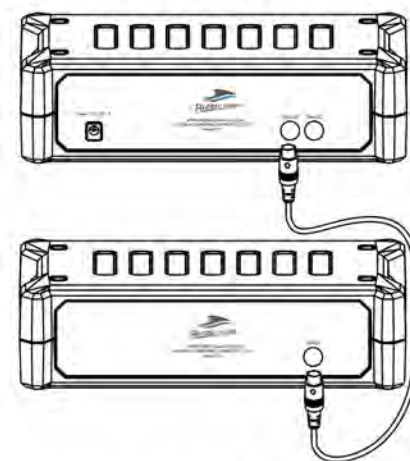


Exit alarm when press both ENTER and ESC key together, then inspection to each pump head under manual mode, find out and removal of fault.

**NOTE:**  
Please contact to dealer if can't removal fault by yourself.

6

## Connection with extend pump



Use the connector that provided by T12, one end connect to the INPUT on the back of T12 an another end connect to the GROUPB (PUMP4-7) or GROUP C (PUMP8-11) on the back of T11. Set up to each pump head on the T11.