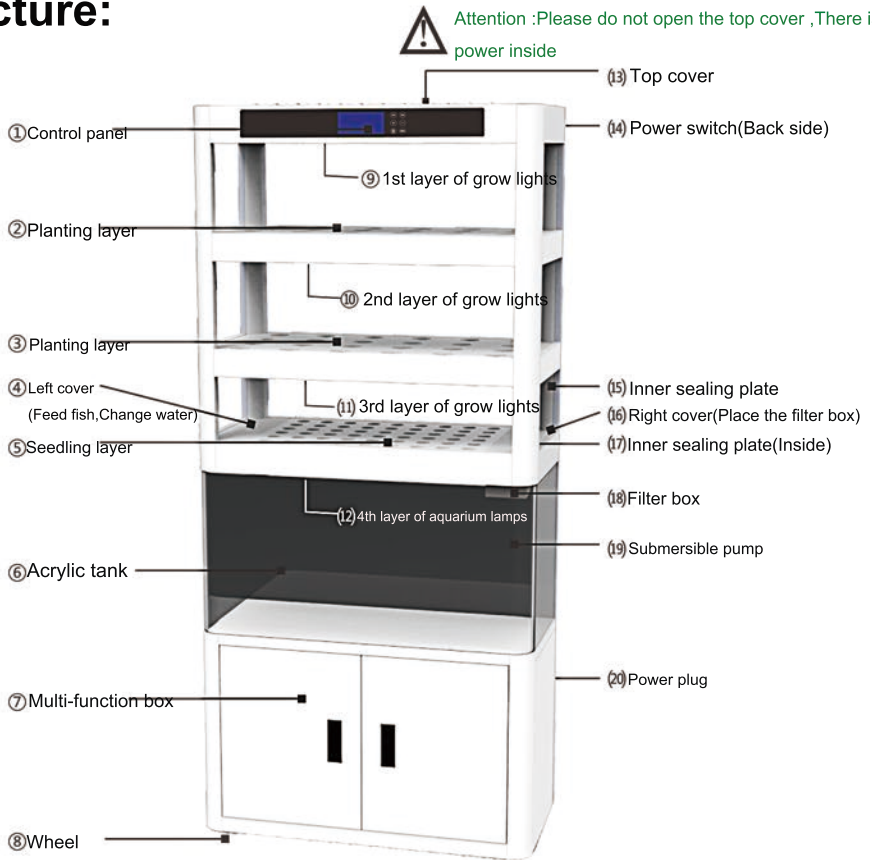




PRODUCT INSTRUCTION

Structure:

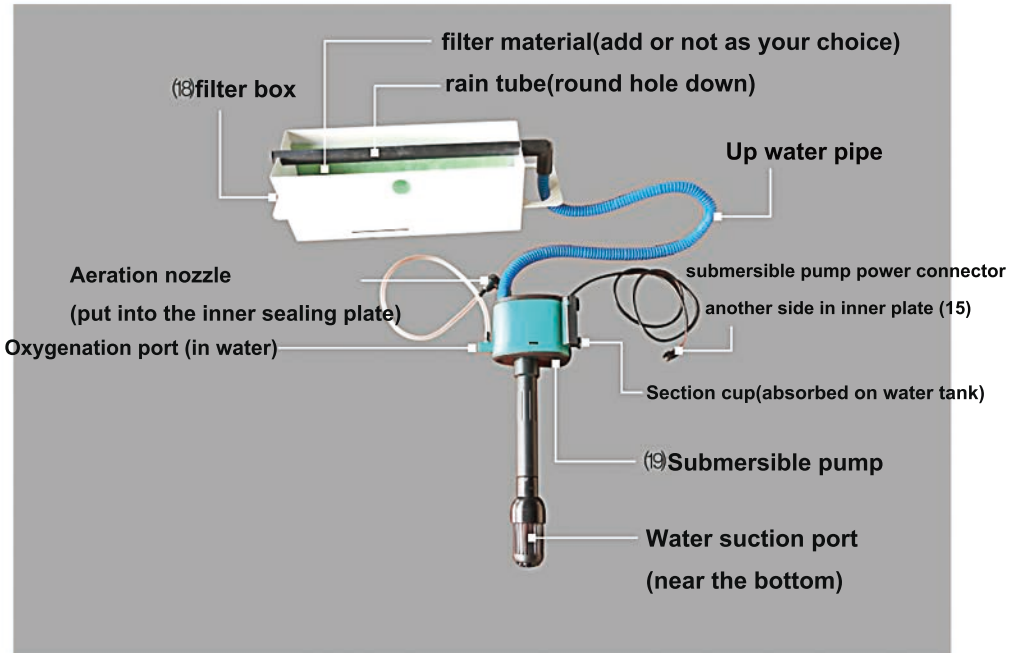


- ① Control panel: When turn on the switch,it controls the operation of the system
- ②③ Planting layer:When the seedling grows ,put seedling to planting layers and keep them continue to grow
- ④ Left cover:Open the left cover,feed the fish,change the water,clean the fish tank
- ⑤ Seedling layer: Nursery
- ⑥ Acrylic tank: Put the filter box and connect line away,the fish tank could be taken out
- ⑦ Multi-function box: include nutrition tank,store the nutrition ,sponges etc .
- ⑧ Wheel: portable for moving (when the fish tank filling full water,please do not move it)
- ⑨⑩⑪ Grow lights: led grow lights. If sun shine the plants,please close the grow lights.
- ⑫ Aquarium lamp: on the top of fish tank
- ⑬ Power switch:insert power plug,open the power switch,system will be worked automatically
- ⑭ Right cover: take over the right cover,then open the downstairs (15 ,17)inner plate ,you could take away the filter box
- ⑮⑰ Inner sealing plate:Press the inner sealing plate softly,you could take it away
- ⑱ Filter box:aquarium filter system,you could add filter material accroding to the density culture
- ⑲ Submersible pump: Pump adsorbed on the side wall of the aquarium and sunk into the water
- ⑳ Power line: Please check the voltage is suitable for local power supply,otherwise the system will be not work

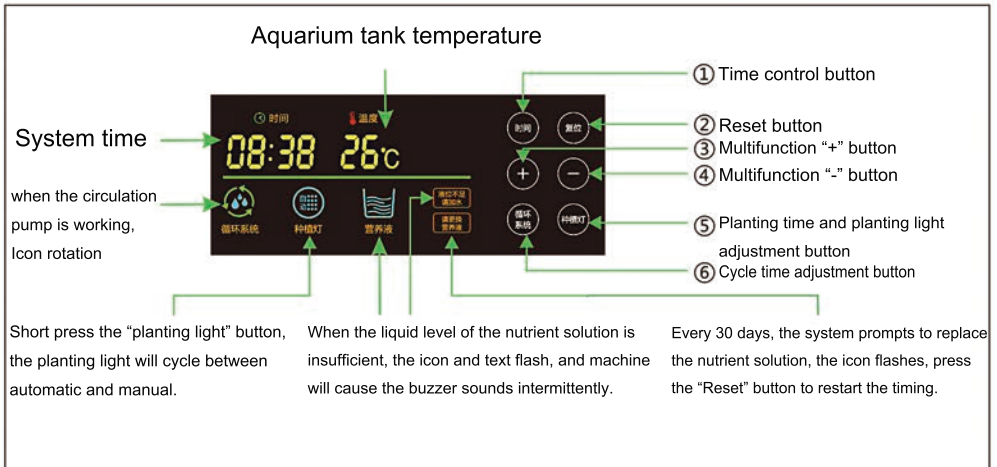
Installation steps:

1. Open the package, please put the aquaponic machine into the area that No rainy, Ventilation, Smooth horizontal. and Keep over 30cm spacing.
2. Take away the extra accessories from Nutrition tank in multifunction box. But do not put up the pump and liquid level sensor, and checking the water pipe is in water tank.
3. Open the right cover (16), press inner sealing plate (15) (16), take them out. put the filter box out, check filter box include filter sponges etc filter material.
4. Checking submersible pump (19) whether suction cup is adsorbed on the fish tank (if submersible pump have fixed adhesive tape on surface, please take it away), The pump of air inlet insert into inner sealing plate (15), check pump (19) of outlet and blue hose connect well. another side of hose connect with rain tube, and the rain tube is stuck on filter box.
5. Make sure the filter box and pump connected well, then put the filter box into water.
6. Put the inner sealing plate (15, 16) into the column (please be careful your finger)

Filter box and submersible pump connection diagram



Control panel function diagram:



1. Easy operation (suitable for ordinary users)

In the easy operation mode, the system operates according to the factory-set parameters.

1). Check the system time (in the format of hour: minute) is consistent with the current time.

If they are inconsistent, please adjust as follows:

Press and hold the "Time" button for 3 seconds, the first digit of the time (4 digits) starts to flash,

press the "+" or "-" button to adjust the number; short press the "Time" button, time (4 digits)

The second digit starts to flash, press the "+" or "-" button to adjust the number; set in turn.

2). Short press "planting lights", planting lights and aquarium lights switch in automatic and manual

mode. When set to automatic, the icon on the left side of the planting lamp has the word "AUTO".

3). When the buzzer sounds or there is a flashing alarm on the display, follow the prompts.

(1) When the liquid level is insufficient, add it according to the nutrient solution ratio.

(2) When reminding to replace the nutrient solution, please clean the nutrient solution in the water tank, inject new nutrient solution proportionally, and then press the "Reset" button.

4). Press and hold the "+" sign, the LCD screen will be on constantly; press and hold the "+" sign to stop the plant growth light when it stops filling (in automatic mode).

The system operates in automatic working mode with the following parameters:

(1) The circulating pump works for 20 minutes and stops for 30 minutes.

(2) Plant growth lamp, Working on at 7:00 AM every day, Working off at 17:00 PM every day

2. Personalized operation (suitable for professional users):

1). Confirm that the system time (in the format of hours: minutes) is consistent with the current time. If they are inconsistent, please adjust as follows:

Press and hold the "Time" button for 3 seconds, the first digit of the time (4 digits) starts to flash, press "+" or "-" button" to adjust the number; then press the "Time" button, time (4 digits) The second digit of the number starts to flash, and the "+" or "-" button is pressed to adjust the number;

2). Factory setting reset and system reset

A. Factory setting reset (press and hold the "Reset" button for 5 seconds to restore the factory settings):

1) Pump cycle setting reset: The pump works for 20 minutes and stops for 30 minutes. (initial value, can be changed);

2) Planting lamp lighting time reset: open at 7:00, open for 10 hours (initial value, can be changed), planting light is set to automatic;

3) The number of working days recorded by the system is cleared, and the number of working days is restarted. If the screen "Please replace the nutrient solution" flashes, it will be cleared automatically.

When the factory setting is restored, the time is not reset.

When the system worked for 30 days, the text "Replace nutrient solution" appeared and flashed.

B. System reset (short press the "Reset" button, system reset):

The number of working days recorded by the system is cleared, and the number of working days is restarted.

If the screen "Please replace the nutrient solution" flashes, it will be cleared automatically.

When the system is reset, the time and other initial values are not reset.

3). Pump cycle duration setting (set the cycle of pump cycle - how long work, how long to stop, in minutes)

A. Pump working time setting: long press the "pump cycle" button for 5 seconds, the time display is "0 00" (the front 0 means Open, the 2nd bit is not displayed), press the "+" button, step 1 Unit increase (added from the rightmost digit); press the "-" button to decrease by 1 step;

B. Pump stop duration setting: Press the "pump cycle" button again, the time display is "C 00" (the front C indicates Close, the second digit does not display), press "+" button" to step 1 unit. Increase; press "-" to decrease by step 1;

C. Press "pump cycle" button, Pump cycle time setting ok.

4.Planting lamp setting (set the opening time, closing time and manual automatic setting of the 4-layer planting lamp)

A. Short press the “planting light” button, the planting light switches between automatic mode and manual mode.

B. Press and hold the “planting light” button for 5 seconds to enter the planting light on time and set the time (the initial value is open at 7:00 every day and closed after 10 hours).

Opening time setting:

Press and hold the “planting light” button for 5 seconds, the first digit of the time (4 digits) starts to flash, press the “+” or “-” button to adjust the number; then press the “planting light” button for a short time (4 digits) The 2nd digit starts to flash, press the “+” or “-” button to adjust the number; set in order...

The off time is not set on the display.

For example: (automatic)

If the on time is set to 7:00, the light is turned off at 17:00. Turning on the midway, it is also turned off at 17:00.If the turn-on time is set to 8:00, the light is turned off at 18:00. Turn it on midway, and turn off the lights at 18:00.

In manual mode, the lamp is not affected by time.

5.Buzzer alarm and reminder

1) When the liquid level is insufficient and the alarm is replaced, the buzzer sounds intermittently (3 seconds, 10 seconds, 3 seconds, 10 seconds, and so on). The text is still flashing until the alarm is cleared.

2) When the button is pressed long (such as “Reset” button or other function button) or when “Reset button and “+” or “-” are pressed briefly, the buzzer will sound once.

6. Display off and on settings

1) Press and hold the “+” sign, the display will be on for 24 hours; press and hold the “-” sign, the display will be on and off and the lamp (in automatic mode) will be the same.

2) Press and hold the “+” or “-” sign and the buzzer will sound.

3) When the “Reset” button is pressed, the display lights up for 24 hours (default).