AQUAVIVO

PLANTPRO

Parts at a glance

1x LED Aquarium Light	1x Power Cable	1x Power Adapter
4x Struts	1x Allen Key	2x Base
2x Hanging Kits	4x Thumb Screws	4x Screws

Warnings

Before using the AQUAVIVO LED Aquarium Light please read the operating instructions carefully and follow these safety directions:

1. Retain manual in a safe place for future reference.
2. Remove plastic and packaging material protecting the fixture before use.
3. For indoor use only. Use the specific attachments, mounting frame, hanging kit and accessories provided by AQUAVIVO to avoid damage.
4. To avoid eye damage, never look directly at the light when switched on.
5. To avoid electric shock, do not touch the unit with wet hands.
6. Position electrical cables carefully to minimise tripping hazards.

Maintenance

1. Follow operating instructions when using the AQUAVIVO LED Aquarium Light.
2. Keep the unit away from direct heat, including direct sunlight, fire or radiators.
3. To reduce the risk of fire and electric shock, do not expose the light, plug or cables to rain, moisture, dripping or splashing.
4. The unit should be positioned in a well-ventilated area.
5. The unit should be situated away from equipment or devices that generate strong magnetic fields.
6. Clean unit with power off and using a dry cloth only.

Installation

Struts
Base
Screw

Figure 1.1

Figure 1.2

① Insert struts into base and tighten screws to assemble expandable brackets (figure 1.1).
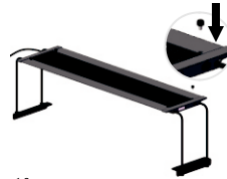
② Insert expandable brackets into light unit (figure 1.2).

Figure 1.3

Figure 1.4

③ Screw the four thumb screws into the holes on top of the light unit to keep the expandable brackets in place (figure 1.3).

④ Position the unit on top of aquarium and change length of expandable brackets to fit the aquarium (figure 1.4). Tighten the thumb screws. Ensure a tight fit.
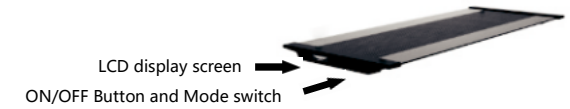
Hanging Installation

Screw the ends of the hanging kits into the light unit (figure 2.1) and use suspension cables to hang light.
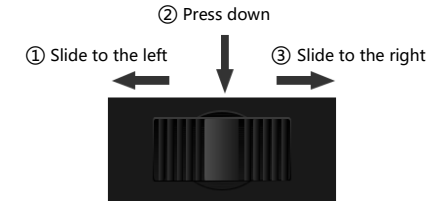
Figure 2.1

Operating Instructions

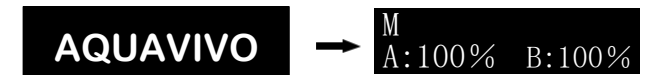ON/OFF Button and Mode switch and LCD display screen are located at the opposite end of the light from the power cord.

LCD display screen ←
ON/OFF Button and Mode switch ←

ON/OFF Button and Mode switch action

② Press down
① Slide to the left
③ Slide to the right

Turn ON:

Connect power supply to the unit. Press and hold down the button for at least 2 seconds, until the mode interface appears on the LCD display screen (figure 3.1).

Figure 3.1

AQUAVIVO → M A:100％ B:100％

Turn OFF:

Press and hold down the button for at least 5 seconds. The display screen will display "OFF" (figure 3.2).

Figure 3.2

OFF

Mode switch

Once the unit has been turned on, press and hold down the button for at least 2 seconds to change between modes. There are three operation modes as shown below.

Manual Mode	Automatic Mode	Custom Mode
M A:100％ B:100％	A S TIME TIMING	A E PROGRAM TIME

Manual Mode

In Manual Mode you set the intensity of the light for constant operation. Once the unit is switched on, select Manual Mode. Brightness of Group A (white) and Group B (red, green, blue (RGB)) lights will be displayed on LCD screen.

```
M
A:100%  B:100%
```

Press and immediately release the button to switch between and select either Group A or Group B (figure 4.1).

Figure 4.1

```
M                    M
A:100%  B:100%  ⇄    A:100%  B:100%
```

Slide the button to the left or right to adjust the brightness. After 6 seconds without operation, the unit will automatically exit the menu and save the set brightness.

Automatic Mode

In Automatic Mode, you set the time the light stays on (6-9-12-18 hours) and the intensity.

Once the unit is switched on and in automatic mode, slide the button to the left or right to highlight either "TIME" or "TIMING". Pressing the button and then immediately releasing will select the highlighted menu option (figure 5.1/5.2). The unit will automatically exit the menu after 2 seconds without operation.
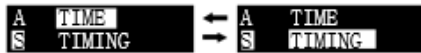
```
A  TIME         A  TIME
S  TIMING   ⇄   S  TIMING
```

Figure 5.1   Figure 5.2

To adjust TIME: press and immediately release the button when TIME is highlighted to enter the time setting interface (figure 5.3). Slide the button left or right to select correct time. Press and immediately release the button to switch between hours and minutes. Press and hold button to return to previous menu.

```
09:20      ⇄    09:20
```
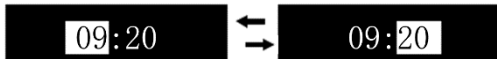
Figure 5.3   Figure 5.4

To adjust TIMING: on the interface of figure 5.2, press and immediately release the button to enter the interface seen below in figure 5.5.

Figure 5.5

```
A    Timing
   6H  9H  12H  18H
```

Slide the button left or right to select the time in hours that the light will remain on daily: 6H → 9H → 12H → 18H. For example, if 6H option seen in figure 5.5 is selected, the light will remain on for 6 hours from when this selection was made. The light will come on at the same time and turn off 6 hours later each day.

Press and hold button to return to the interface figure 5.1.

Figure 5.6

```
T:6H      LED:ON
A:100%       B:100%
```

Figure 5.6 shows the display for the light settings in automatic mode. In the top left, T:6H, shows that the 6 hour setting has been set at 100% on Group A (white) LEDs and 100% on Group B (RGB) LEDs.

The display will flick between figure 5.6 and 5.7 when the unit has been left untouched for more than 6 seconds.

```
   12:00          T:6H      LED:ON
A:100%   B:100%   A:100%       B:100%
```

Figure 5.7   Figure 5.8

Press and immediately release the button to highlight A:100% and slide button from left to right to adjust brightness of group A (white) LEDs. Press button to change to control group B (RGB) LEDs.

Custom Mode

In Custom Mode, you can set the unit to simulate a sunrise and sunset by programming the intensity of 7 different time points.

See Setting Time instructions in Automatic mode to set time. Press the button when time is highlighted to change the time of the internal clock on the unit (figure 6.1).

```
A  PROGRAM       A  TP:1   00:00
P  TIME          P  A:50%  B:50%
```
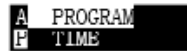
Figure 6.1   Figure 6.2

On the interface of figure 6.1, press and immediately release the button to enter the program menu seen in figure 6.2. Push the button to the left or right to set the time points 1 to 7 (TP1-TP7).

```
A  TP:1   00:00     A  TP:1   00:00
P  A:50%  B:50%     P  A:50%  B:50%
```
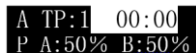
Figure 6.3   Figure 6.4

On the interface of figure 6.2 in TP1, press the button to highlight the time, as seen in figure 6.3. Push the button to the left or right to set the time for the selected time point. Press and immediately release the button to highlight the brightness for the selected time point. Push the button left or right to change the brightness of group A (white) LEDs. Push the button and immediately release to control the brightness of group B (RGB) LEDs. (Figure 6.4) Repeat this for as many of the 7 time points that you wish to use. This will enable you to change the brightness of the light at any time throughout the day.

When on the interface shown in figure 6.3 and 6.4, press and hold the button to return to the Custom Mode initial interface (figure 6.1). After 6 seconds without operation, it will automatically exit and save the data. The unit will then carry out the set programming.

```
P1234567           08:38
   A:50%  B:50%     A:50%   B:50%
```
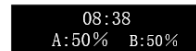
Figure 6.5   Figure 6.6

If the unit is left without use on custom mode, it will flick between the interfaces shown in figure 6.5 and 6.6. Press and hold the button to exit this operation interface to return to the Custom Mode initial interface (figure 6.1).

AQUAVIVO recommends the following custom mode settings:

Time point	Time	Group A LEDs	Group B LEDs
TP:1	12:00	0%	0%
TP:2	14:00	50%	50%
TP:3	16:00	100%	100%
TP:4	18:00	100%	100%
TP:5	20:00	10%	50%
TP:6	22:00	0%	5%
TP:7	24:00	0%	0%

This Custom Mode program allows for the maximum intensity light for a short period to optimise plant growth and a softer evening light for you to enjoy.

***If the unit is left without use for 15 minutes, the screen will automatically shut off. Move or press the button to reactivate the screen.

Memory function:

If the unit is shutdown or loses power, the program settings will remain the same when the unit is powered on again, however the time will need to be reset.

Specifications

	PLANTPRO 60	PLANTPRO 90	PLANTPRO 120
Aquarium size	60-90cm (23.62"-35.43")	90-120cm (35.43-47.24")	120-150cm (47.24-59.06")
Power	70W	105W	145W
Input	100V – 240V	100V – 240V	100V – 240V
Output	24V	24V	24V
Size (L/W/H)	55x15.3x1.45cm (21.65x6.02x0.57")	85x15.3x1.45cm (33.46x6.02x0.57")	115x15.3x1.45cm (45.28x6.02x0.57")
Weight	Approx. 0.854Kg	Approx. 1.319Kg	Approx. 1.785Kg
LED lifespan	≥50,000 hours	≥50,000 hours	≥50,000 hours

Warranty

AQUAVIVO provides a 12 month limited warranty to the original purchaser of its products against all defects in original workmanship and material, under normal use and service. The following exceptions apply:
1. Damage caused by water intake.
2. Defects attributed to accident, abuse, or incorrect maintenance and storage.
3. Defects resulting from disassembly or modification by customers or repairers of other companies.
4. Defects caused by damage to the shell or other external components during usage.
5. The machine label numbers are torn, blurred or counterfeit.
6. Defects caused by natural disasters (such as earthquakes, fires, floods, etc).