



Automatic Light Controller (ALC)

User Manual

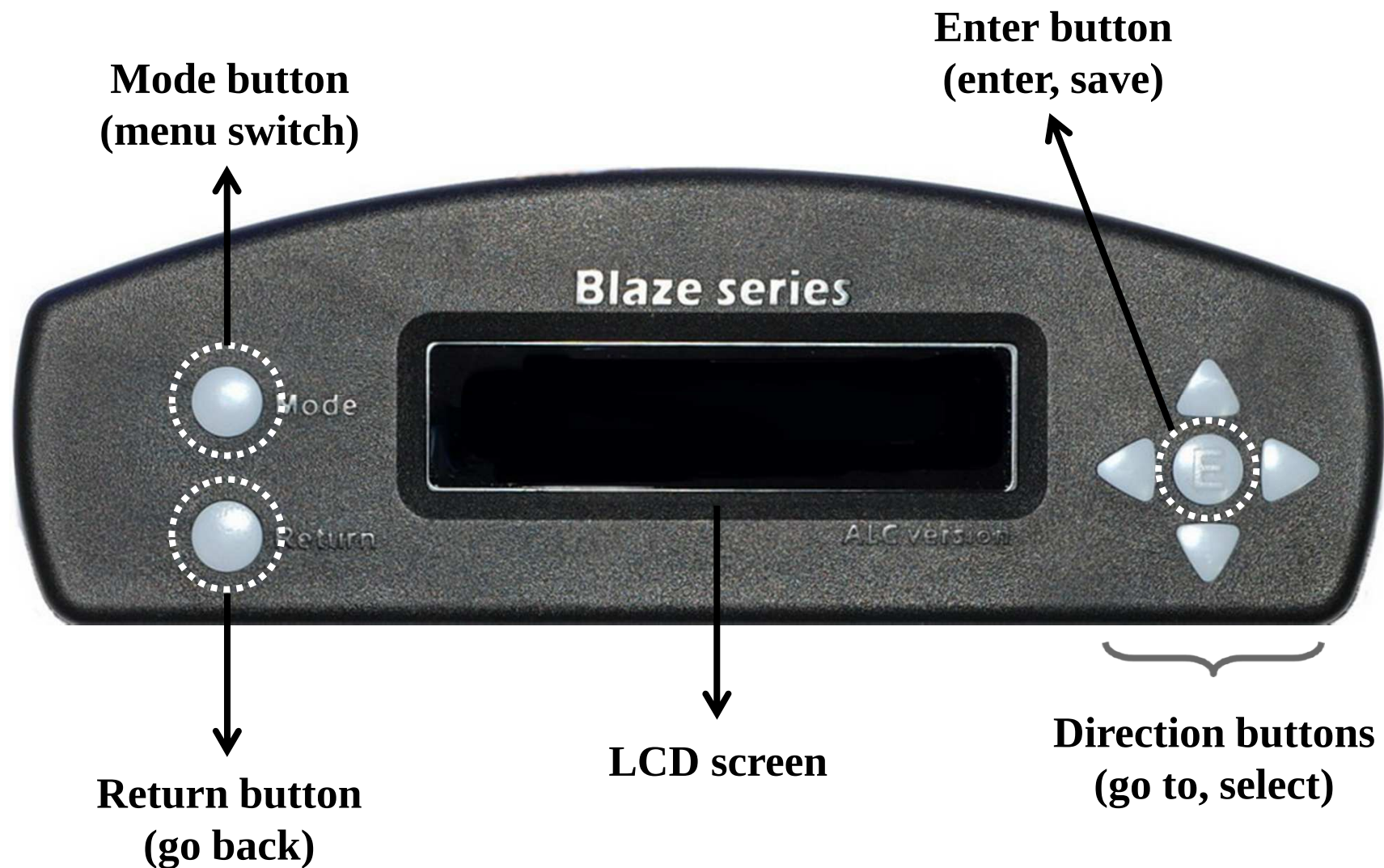


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Control Panel





Default settings

Option	Default setting	
Setting Current Time	Sunday 6:00	▶ Page 4
Setting Sunrise Time	8:00	▶ Page 5
Setting Daylight Period	10 Hours	▶ Page 6
Setting Daily Mode	Mode (S1)	▶ Page 8
Setting Weekly Mode	Sunday: Mode (S1)	}▶ Page 10
	Monday: Mode (S1)	
	Tuesday: Mode (S1)	
	Wednesday: Mode (S1)	
	Thursday: Mode (S1)	
	Friday: Mode (S1)	
	Saturday: Mode (S1)	
Setting Light Cycle	Daily Mode	▶ Page 16
Setting Moonlight	On	▶ Page 17



Quick Setup

- ◆ To quickly start the light on your tank, please follow the setting guide on page 4~6.

- **STEP 1: Setting Current Time (p.4)**

Sunday
06:00

- **STEP 2: Setting Sunrise Time (p.5)**



- **STEP 3: Setting Daylight Period (p.6)**



- For advanced settings of programmable lighting modes, please refer to the setting guide on page 7~17.



Setting Current Time

Under Main menu

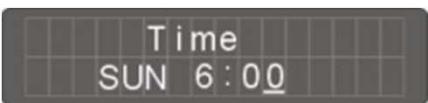


(1) Press  **Mode** button to go to



(2) Press  button to enter into  and press  or  to select day.

(3) Press  button to go to  and press  or  to select hour.

(4) Press  button to go to  and press  or  to select minute.

(5) Press  button to save the settings.

(6) Press  **Return** button to go back to Main menu.



Setting Sunrise Time

Under Main menu

Daily	SUN	6:00
Sunrise		8:00

(1) Press  **Mode** button twice to go to

Setting
Sunrise

(2) Press  button to enter into

Sunrise
8:00

and press  or  to select hour.

(3) Press  button to go to

Sunrise
8:0 <u>0</u>

and press  or  to select minute.

(4) Press  button to save the settings.

(5) Press  **Return** button to go back to Main menu.



Setting Daylight Period

Under Main menu



(1) Press  **Mode** button three times to go to



(2) Press  button to enter into  and press  or  to select period of daylight.

(3) Press  button to save the settings.

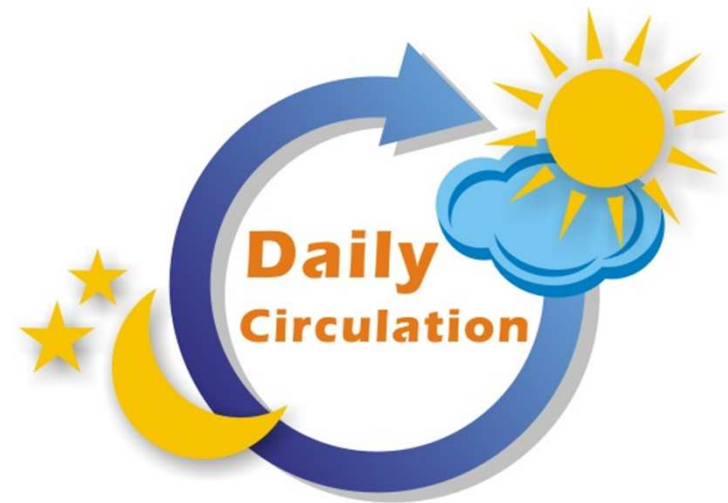
(4) Press  **Return** button to go back to Main menu.



Setting Daily Mode (1/2)

What is Daily Mode?

“Daily Mode” can be selected in the “**Setting Light Cycle**” option (see p.16). When executing “Daily Mode”, the light will run under certain mode with daily circulation. Users can select the lighting mode for “Daily Mode” in the option of “**Setting Daily Mode**” (see p.8).





Setting Daily Mode (2/2)

Under Main menu

Daily	SUN	6:00
Sunrise		8:00

(1) Press  **Mode** button four times to go to

Setting			
Daily Mode			

(2) Press  button to enter into

Setting Daily		
Fixed Table		

and press  or  to select mode.

Mode options: Fixed Table, Mode (P1), Mode (P2), Mode (P2+lightning),

Mode (S1), Mode (S2), Mode (S3) (see p.11~14 for setting guide)

(3) Press  button to save the settings.

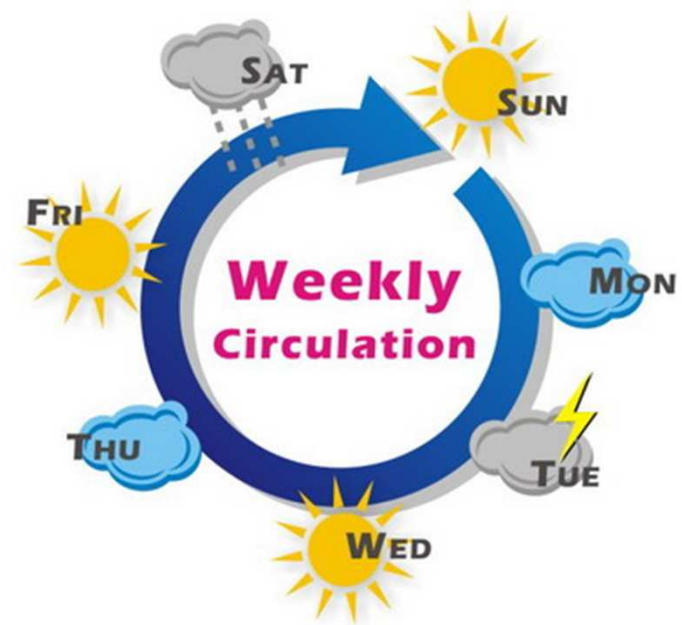
(4) Press  **Return** button to go back to Main menu.



Setting Weekly Mode (1/2)

What is Weekly Mode?

“Weekly Mode” can be selected in the “Setting Light Cycle” option (see p.16). When executing “Weekly Mode”, the light can run under different modes in different days. Users can establish their own weekly lighting program by selecting modes for individual days in the option of “Setting Weekly Mode” (see p.10)





Setting Weekly Mode (2/2)

Under Main menu

Daily	SUN	6:00
Sunrise		8:00

(1) Press  **Mode** button five times to go to

Setting			
Weekly	Mode		

(2) Press  button to enter into

Sunday			
Fixed	Table		

and press  or  to select mode.

(3) Press  or  to select day:

Day options: Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday

(4) Press  or  to select mode:

Mode options: Fixed Table, Mode (P1), Mode (P2), Mode (P2+lightning),

Mode (S1), Mode (S2), Mode (S3) (see p.11~14 for setting guide)

(5) Press  button to save the settings.

(6) Press  **Return** button to go back to Main menu.



Manual Setting Day/Moonlight (1/5)

Under Main menu

Daily	SUN	6:00
Sunrise		8:00

(1) Press  **Mode** button six times to go to

Manual	Setting
Day/Moonlight	

(2) Press  button to enter into

Day/Moonlight
Mode (P1)

and press  or  to select mode.

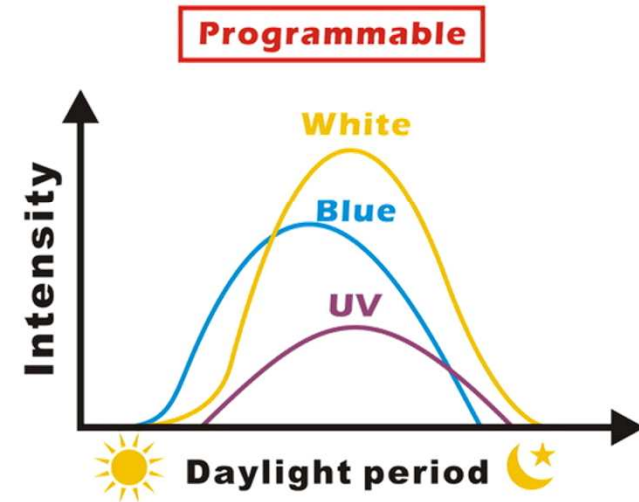
Mode options: Mode (P1), Mode (P2), Mode (S1), Mode (S2), Mode (S3), Mode (M)



Manual Setting Day/Moonlight (2/5)

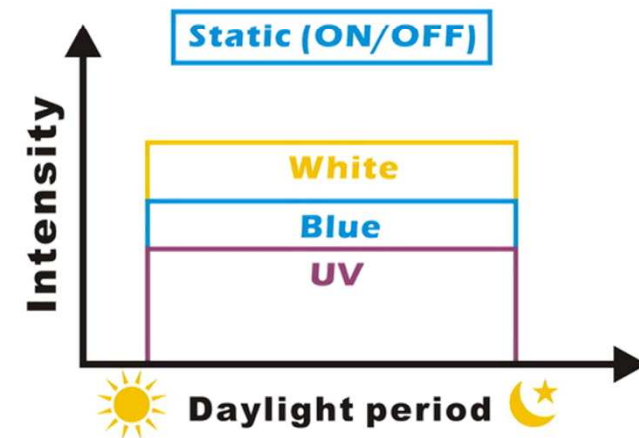
Programmable modes (P1 and P2)

Modes which allow users to program their own lighting modes for their aquariums. When using these two modes, the *daylight period can be divided into 20 segments of variable settings*. By adjusting the three channels (W, B, and UV) and the total intensity (DIM) of all segments, an unique lighting mode can be then established.



Static modes (S1, S2, S3):

Modes which allow users to adjust the color temperature (W, B, and UV) and light intensity (DIM) for their aquariums. When using these three modes, the light fixture runs with the setting during the daylight period. The light turns on and ends up with the same setting without dynamic changes.





Manual Setting Day/Moonlight (3/5)

Programmable Modes

Under these two menus

Day / Moonlight					
Mode (P1)					

Day / Moonlight					
Mode (P2)					

- (1) Press button to go to

P1	W	B	UV	DIM	0
	0	20	20	10	

 and press or to select segment.
- (2) Press button to go to

P1	W	B	UV	DIM	0
	0	20	20	10	

 and press or to adjust White intensity.
- (3) Press button to go to

P1	W	B	UV	DIM	0
	0	20	20	10	

 and press or to adjust Blue intensity.
- (4) Press button to go to

P1	W	B	UV	DIM	0
	0	20	20	10	

 and press or to adjust UV intensity.
- (5) Press button to go to

P1	W	B	UV	DIM	0
	0	20	20	10	

 and press or to adjust Total intensity.
- (6) Press button to go back to

P1	W	B	UV	DIM	0
	0	20	20	10	

 to repeat Step 1~5 for setting other segments.
- (7) Press button to save all the settings.
- (8) Press **Return** button to go back to Main menu.



Manual Setting Day/Moonlight (4/5)

Static Modes

Under these three menus

Day / Moonlight
Mode (S1)

Day / Moonlight
Mode (S2)

Day / Moonlight
Mode (S3)

(1) Press button to go to and press or to adjust White intensity.

(2) Press button to go to and press or to adjust Blue intensity.

(3) Press button to go to and press or to adjust UV intensity.

(4) Press button to go to and press or to adjust Total intensity.

(5) Press button to save the settings.

(6) Press **Return** button to go back to Main menu.



Manual Setting Day/Moonlight (5/5)

Moonlight

Under this menu

Day / Moonlight
Mode (M)

- (1) Press button to go to

M	W, B, UV, DIM		
10	20	20	10

 and press or to adjust White intensity.
- (2) Press button to go to

M	W, B, UV, DIM		
10	20	20	10

 and press or to adjust Blue intensity.
- (3) Press button to go to

M	W, B, UV, DIM		
10	20	20	10

 and press or to adjust UV intensity.
- (4) Press button to go to

M	W, B, UV, DIM		
10	20	20	10

 and press or to adjust Total intensity.
- (5) Press button to save the settings.
- (6) Press **Return** button to go back to Main menu.



Setting Light Cycle

Under Main menu



(1) Press  **Mode** button seven times to go to



(2) Press  button to enter into

and press  or  to select mode.

Mode options: Daily mode, Weekly mode

(3) Press  button to save the settings.

(4) Press  **Return** button to go back to Main menu.



Setting Moonlight

Under Main menu

Daily	SUN	6:00
Sunrise		8:00

(1) Press  **Mode** button eight times to go to

Moonlight		
Select		

(2) Press  button to enter into

Moonlight		
On		

and press  or  to select mode.

Mode options: On, Off (see p.15 for moonlight setting)

(3) Press  button to execute the demonstration of the selected mode.

(4) Press  **Return** button to go back to Main menu.



Rapid Display

Under Main menu

Daily	SUN	6:00
Sunrise		8:00

(1) Press  **Mode** button nine times to go to

Rapid Display

(2) Press  button to enter into

Rapid Display
Fixed Table

and press  or  to select mode.

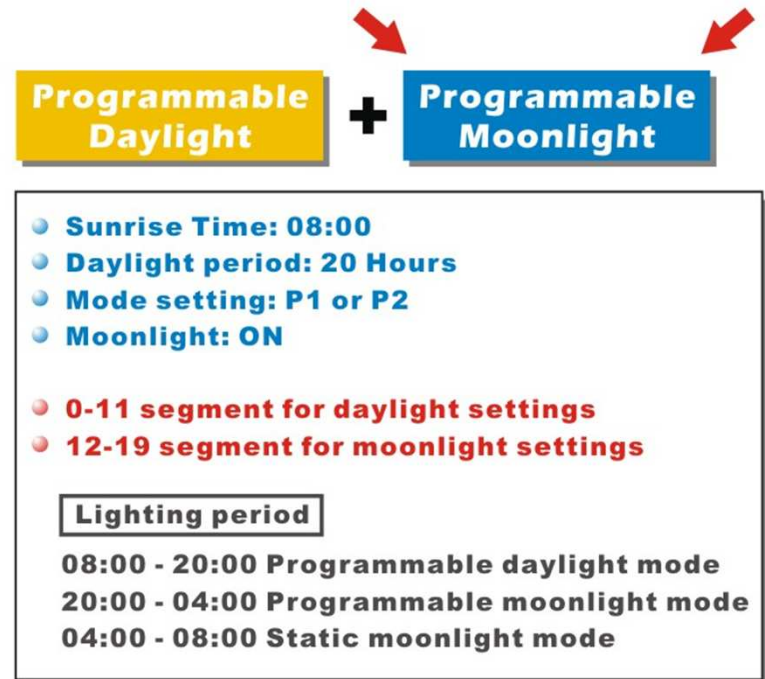
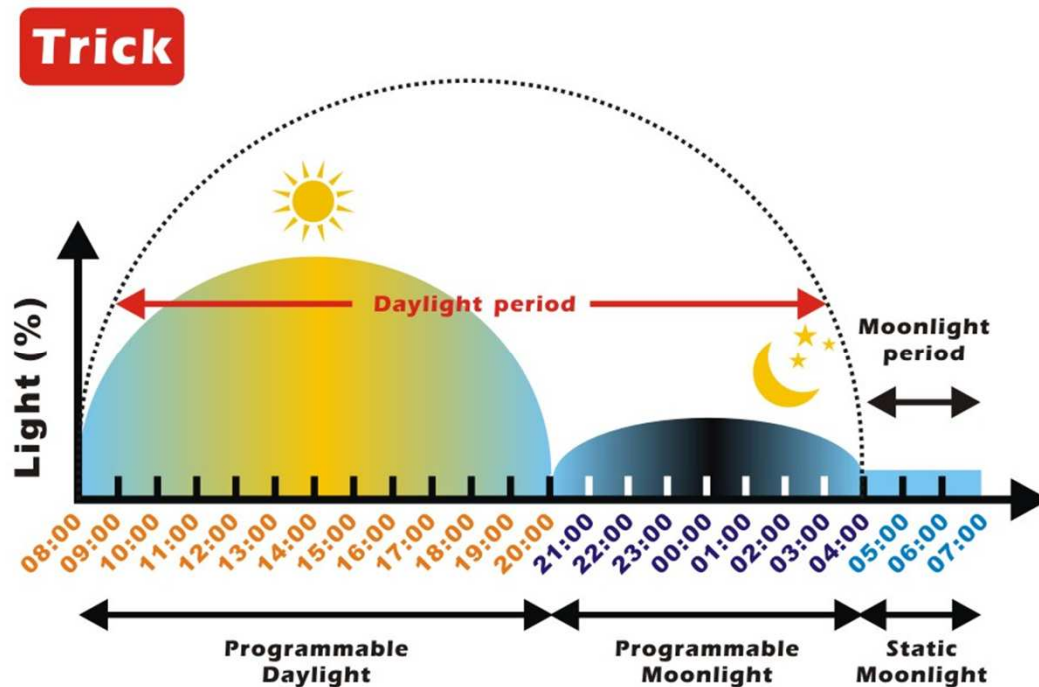
Mode options: Fixed Table, Mode (P1), Mode (P2), Mode (P2+lightning), All

(3) Press  button to save the settings.

(4) Press  **Return** button to go back to Main menu.

Trick – Make Moonlight Programmable!

By dividing the **20 segments** within **P1 or P2 mode** into two parts, users can program one part for real daylight settings and program the other part for moonlight settings to make both daylight and moonlight programmable.





Power Outages

This controller has no built-in power source. The clock setting will be lost during the loss of power. When power is restored, users have to reset the clock. However, all the other settings and options are stored in permanent memory and will never be erased, no matter how long the controller is without power.



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