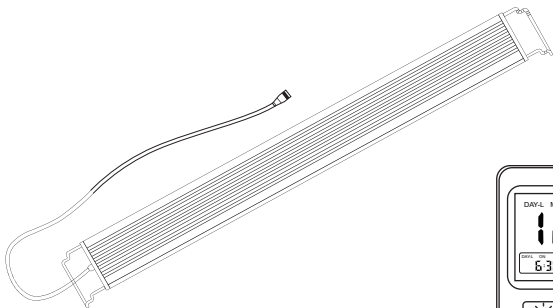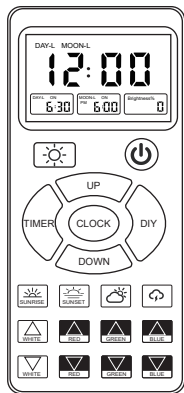# APSR-A0 USER MANUAL
Remote control LED Aquarium Light

The Remote LED Aquarium Light is a sophisticated remote-controlled LED light featuring multiple weather simulation options, such as sunrise, sunset, and lightning. With the remote, advanced aquarists can create customized lighting to meet their specific needs.

Please read this manual carefully before use and follow it strictly in accordance with the instructions.

For additional help,please contact us feel free!

1.PACKAGE INCLUDED:

1 x LED Light
1 x LCD 2.4G Remote Controller
1 x AC-DC Adaptor
2 x Metal Brackets

NOTE:

1. If your LED light is missing any parts,please contact us directly with your order number.
2. For additional installation instructions and videos, please visit our website.

2. INSTRUCTIONS

STEP 1- Remote LED Light Installation

1. Unpack light fixture and components.
2. Slide the adjustable legs on the side of the light fixture to match the lengthof aquarium.
3. Set fixture on aquarium and ensure metal brackets fit snug on edges of aquarium-or-slide end of wire mounts into rimless tank brackets until they snap into place.

STEP 2- Remote Controller Installation

1. IMPORTANT: Plug-in light before mounting controller
2. Remove plastic cover from remote controller
3. Install 2 (AAA) batteries

DAY-L MOON-L

12:00

DAY-L ON	MOON-L ON	Brightness%
6:30	PM 6:00	0
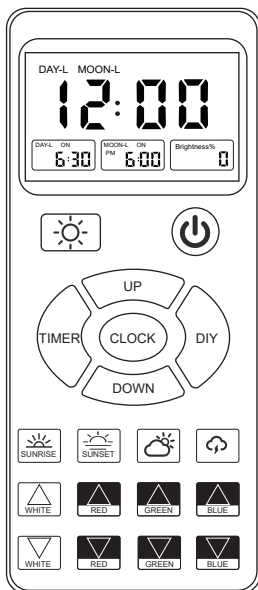
RF Remote Controller: suitable for receiving and transmittingsignals at a distance in 10 meters, and can be remote controlled through the wall.

⏻ Switch button - Turns controller and light OFF/ON

☀ Color -select color, red, green,blue, purple, orange, cyan, yellow. Long press 3 seconds to run RGB gradient cycle lighting

UP DOWN Up/Down- press to adjust brightness, adjust time, turn on/off DIY mode

TIMER Timer-press to program DAY-Light or MOON-Light time setting

CLOCK Clock- long press 3 seconds to chose 12H/24H, press up/down to select. Press to set local time, press to save and esc

DIY DIY-press to program DIY mode

☀
⏻

UP

TIMER   CLOCK   DIY

DOWN

🌅 SUNRISE	🌄 SUNSET	☁	🌩
WHITE △	RED ▲	GREEN ▲	BLUE ▲
WHITE ▽	RED ▼	GREEN ▼	BLUE ▼

Control Panel Overview

🌅 **Sunrise** Simulate sunrise
🌄 **Sunset** Simulate sunset
☁ **Cloud** Simulate cloud
🌩 **Lightning** Simulate lightning

△ **White up** turn up brightness of white
▲ **Red up** turn up brightness of red
▲ **Green up** turn up brightness of green
▲ **Blue up** turn up brightness of Blue

▽ **White down** turn down brightness of white
▼ **Red down** turn down brightness of red
▼ **Green down** turn down brightness of green
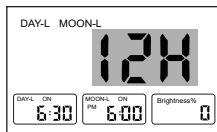▼ **Blue down** turn down brightness of blue

1.
Long press the CLOCK "12H" will begin flashing,
the "12H" flash in the screen.
Then press UP or DOWN button
select either a 12H or 24H time display,
press CLOCK to save it.

2.
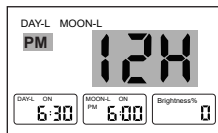Hold the CLOCK until you see"12H" flashes,
then press once cLock you will see the
hour number flash, then press UP or DOWN
to set the local time.
Press CLOCK the minute number will flash,
then press UP or DOWN to set the minute.
Press once CLOCK button to save.
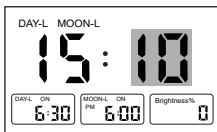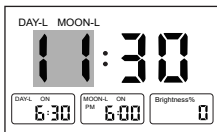
NOTE.
It will display"PM" on the screen
when you choose "12H" time.

**remote LED light controller features two timer functions:**
1. **DAY-L/MOON-L mode for running a gradual sunrise, daylight,
   sunset, and moonlight programmed around a daily ON/OFF time.**
2. **DIY mode for playing a custom scene with 8 sections ON/OFF
   time,selected light color and brightness.**
3. **Weather mode for stimulating sunrise, sunset, cloudy,
   lightning storm,you can wish to view any on-demand
   dynamic mode.**

1 DAY-L/MOON-L mode

1.DAY-L setting

① Press the TIMER button once
   "DAY-L ON" will begin flashing.
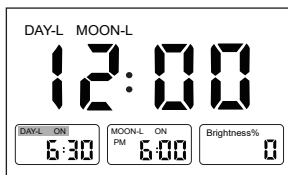
② Long press the TIMER button again to enter into edit mode.
   The "DAY-L ON" of hours number will flash, press UP or DOWN
   to set the hour start time. Then press the TIMER button once,
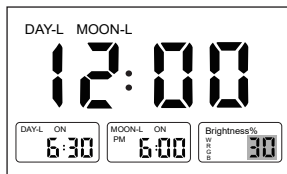   the "DAY-L ON" of minute number will flash, press UP or DOWN
   to set the minute time.

③ Press the TIMER button to save the daylight start time, and the brightness will flash, press ⬜WHITE 🔺RED 🔺GREEN 🔺BLUE ⬜WHITE 🔻RED 🔻GREEN 🔻BLUE WRGB button to set each light color's brightness.

DAY-L MOON-L

12:00

DAY-L ON 6:30   MOON-L ON PM 6:00   Brightness% W R G B 30

Tips
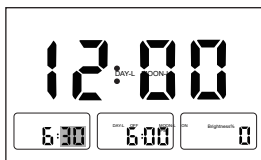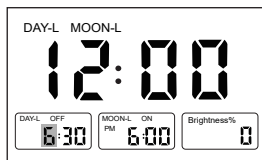When you press ⬜WHITE 🔺RED 🔺GREEN 🔺BLUE ⬜WHITE 🔻RED 🔻GREEN 🔻BLUE the corresponding color(W,R,G,B) flashes on the brightness interface.

④ Press the TIMER button once to save the brightness, and enter into set daylight off time,the screen will read "DAY-L OFF" flash. Then press the TIMER button to save, and the minute number will flash,press UP or DOWN to set the minute time.

DAY-L MOON-L

12:00

DAY-L OFF 6:30   MOON-L ON PM 6:00   Brightness% 0

12:00 DAY-L DOWN

6:30   DAY-L OFF 6:00 MOON-L ON   Brightness% 0
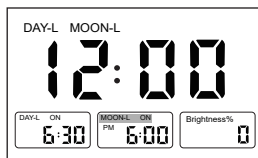
⑤ Press the TIMER button to save the daylight off time.

Tips
❶ DAY-L ON means the time of light turn on in the daytme.
  DAY-L OFF means the time of light turn off in the daytime
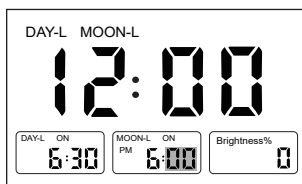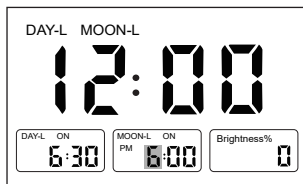❷ When the time of DAY-L ON and the time of DAY-L OFF is the same, the screen display DAY-L OFF.

To modify the moonlight ON and OFF time of the Standard timer,follow the next steps:

① Press the ₜₗₘₑᵣ button twice the "MOON-L ON" will start flashing.

| DAY-L MOON-L |
| 12:00 |
| DAY-L ON 6:30 | MOON-L ON PM 6:00 | Brightness% 0 |

② Long press the ₜₗₘₑᵣ button again to enter into edit mode. The "MOON-L ON" of hours number will flash, press ᵤₚ or ᴅₒwₙ to set the hour start time. Then press the ₜₗₘₑᵣ button once, the "MOON-L ON" of minute number will flash, press ᵤₚ or ᴅₒwₙ to set the minute time.

| DAY-L MOON-L |
| 12:00 |
| DAY-L ON 6:30 | MOON-L ON PM 6:00 | Brightness% 0 |

| DAY-L MOON-L |
| 12:00 |
| DAY-L ON 6:30 | MOON-L ON PM 6:00 | Brightness% 0 |

③ Press the ₜₗₘₑᵣ button to save the moonlight start time, and the brightness will flash, press [WHITE ▲▼] [RED ▲▼] [GREEN ▲▼] [BLUE ▲▼] WRGB button to set each light color's brightness.
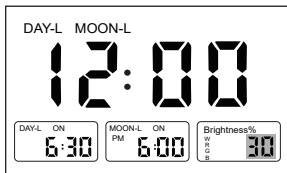
Tips

When you press the corresponding color(W,R,G,B) flashes on the brightness interface.

④ Press the TIMER button once to save the brightness, and enter into set moonlight off time,the screen will read "MOON-L OFF" flash. Then press the TIMER button to save, and the minute number will flash,press UP or DOWN to set the minute time.

⑤ Press the TIMER button to save the moonlight off time.
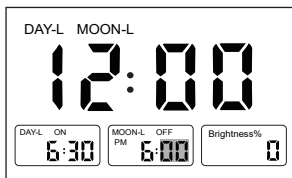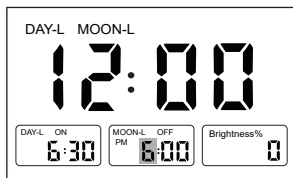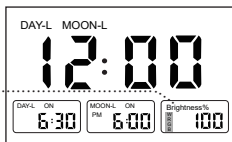
⚠ **ATTENTION**

All four LED's colors (white, red, green, blue) are adjustable in intensity in stepsfrom 0 to 25%, you can control the light intensity from very dim to extremely bright. 0% means no light.25% brightness of every single color is the most bright of each light. It depends on how you arrange light color and brightness.
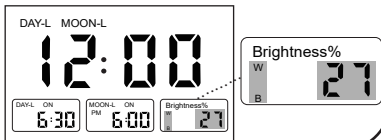
For example, you prefer 17% white and 10% blue light, then you can see

27% brightness at the display, and W for white, B for blue.

Press ▽WHITE ▽RED ▽GREEN ▽BLUE all these button until the brightness display,

W R G B disappear.Then press △WHITE to 17% brightness, Press △BLUE to 27% brightness.

```
DAY-L  MOON-L
 12:00
DAY-L  ON        MOON-L  ON       Brightness%
 6:30          PM  6:00            27

                              Brightness%
                              W
                                27
                              B
```

DAY-L/MOON-L Mode Setting Flow Chart

Press TIMER Once

Enter MOON-L ON will flash ◀ Press TIMER Once ▶ DAY-L ON will flash

Hold TIMER button | Hold TIMER button

MOON-L ON hour number flashes press UP or DOWN to set the time | DAY-L ON hour number flashes press UP or DOWN to set the time

Press TIMER Once | Press TIMER Once

MOON-L ON minute number flashes press UP or DOWN to set the time | DAY-L ON minute number flashes press UP or DOWN to set the time

Press TIMER Once | Press TIMER Once

MOON-L ON Brightness% flashes press △▽ △▽ △▽ △▽ set light's color brightness | DAY-L ON Brightness% flashes press △▽ △▽ △▽ △▽ set light's color brightness

Press TIMER Once | Press TIMER Once

MOON-L ON hour number flashes press UP or DOWN to set the time | DAY-L ON hour number flashes press UP or DOWN to set the time

Press TIMER Once | Press TIMER Once

MOON-L ON minute number flashes press UP or DOWN to set the time | DAY-L ON minute number flashes press UP or DOWN to set the time

Daylight ON:06:30am
Daylight OFF:18:00(06:00pm)
Color Spectrum :W 25%,R 25%,G 25%,B 25%.**The intensity of lighting from 0% slowly ramps up in 15 minutes until 100% full spectrum.**
Moonlight ON:18:00(06:00pm)
Moonlight OFF:23:30(11:30pm)
Color Spectrum:B 25%.**The intensity of lighting from 0% faint blue light slowly ramps up in 15 minutes until 25% full blue.**

Note: There is no need to set when selecting the Default Mode, just toset local time after out of the box and plugged in.
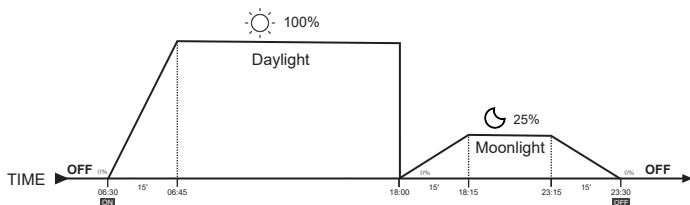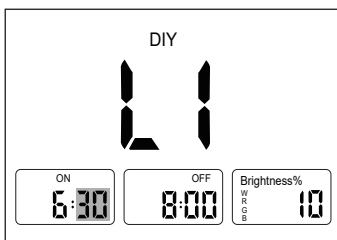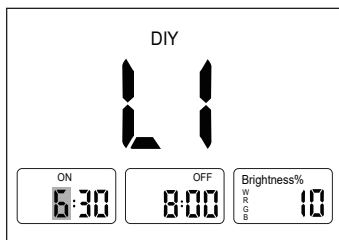

2 DIY mode

1.DIY setting

①Press and hold DIY until "DIY" flashing,then press UP or DOWN to turn on/off DIY mode.Press DIY once to enter setting.

② After turned on DIY mode, you can see L1 displays on LCD screen, hour of L1 ON flash, you can press UP or DOWN to adjust hour of L1 ON. Press DIY again, minute of L1 flash, you can press UP or DOWN to adjust minute of L1 ON time.

③ Press DIY again, hour of L1 OFF time flash, you can press UP or DOWN to adjust hour of L1 OFF time, press DIY again, minute of L1 flash, you can press UP or DOWN to adjust minute of L1 OFF time.
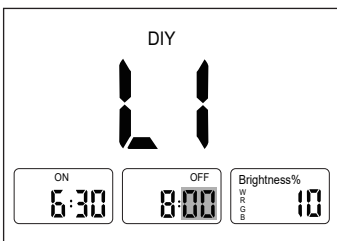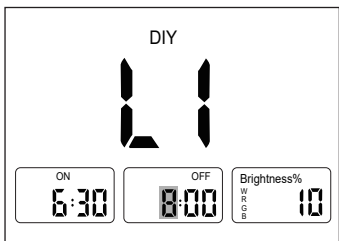
④ Then press DIY , Brightness flashing

you can press

to increase or decrease the

brightness of four colors.
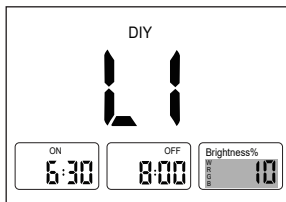
⑤ Press DIY to set L2, L2 ON time is the L1 OFF time, and so on for L3-L7,so you just need to set L2 OFF time, the hour of L2 OFF time flash,you can press UP or DOWN to adjust hour of L2 OFF time, press DIY,the minute of L2 OFF time flash,you can press UP or DOWN to adjust minute of L2 OFF time.
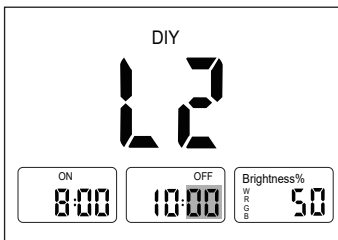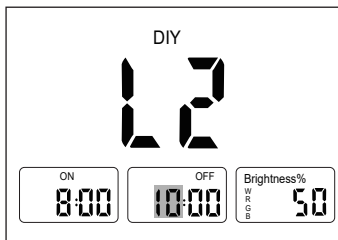
⑥ Then press DIY , Brightness flashing

you can press

to increase or decrease the brightness

of four colors.Repeat the flow above

to set L3-L7.
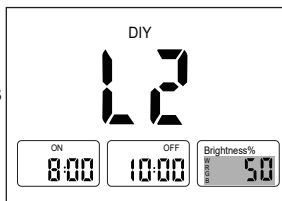
⑦ And so on to finish setting L7. The start time of L8 is the end time of L7,and the end time of L8 is one minute before the start time of L1, pleasenote that L1-L8 must be set for the whole 24 hours in DIY mode.

2.DIY Mode Default Program

L1 6:30-8:00   Color Spectrum:WRG   15%,sunrise
L2 8:00-10:00   Color Spectrum:WRGB 60%
L3 10:00-15:00 Color Spectrum:WRGB 100%
L4 15:00-17:00 Color Spectrum:WRGB 60%
L5 17:00-18:30 Color Spectrum:W2%,R10%,G3%,B0%,sunset
L6 18:30-20:30 Color Spectrum:B 25%
L7 20:30-22:00 Color Spectrum:B 4%
L8 22:00-6:29   Color Spectrum:0%

In the day

In the night
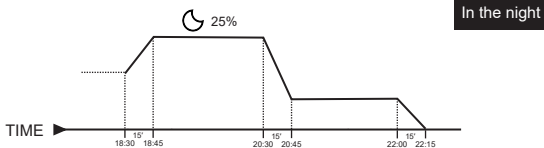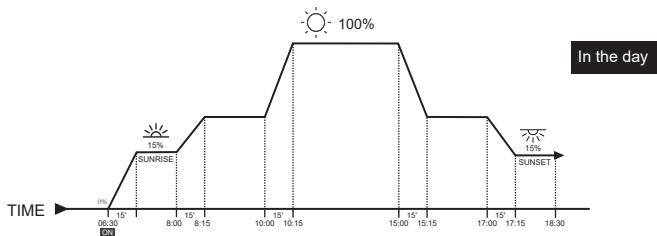
You can press any of these weather button [☀SUNRISE] [☀SUNSET] [☁] [⚡]

which simulates sunrise, sunset, cloudy and lightning storm mode.

You'd have to press (⏻) button manually turn the weather off.

Otherwise,it will last until the ON time of DAY-L or MOON-L

or L1.

For example:
When the lights are running in DAY-L/MOON-L mode, then you press
sunrise button at 8 a.m., the lights will slowly ramps up to full bright in 30
minutes. If you don't turn off the weather mode manually, it will stay on,
until the 18:00 the light turns into blue light. At this time, the light runs on
default day light moon light mode.

• Sunrise: Enabled by a [☀SUNRISE] button on the remote. The lights start
gradient orange lights slowly ramps up to 100% full spectrum.
Sunrise Color Spectrum: R25%+G3% slowly ramps up to color spectrum
B 25%, W 25%, R 25%, G 25%.

• Sunset: Enabled by a [☀SUNSET] button on the remote. The lights start
100% full spectrum slowly ramps down to orange lights until the light
off. Duration 30 minutes.
Sunset Color Spectrum: B 25%, W 25%, R 25%, G 25% slowly ramps
down to color spectrum B 0%, W 0%, R 0%, G 0%.

· Cloudy: Enabled by a [☁] button on the remote. It is a non-adjustable
color setting that is mostly blue and not very bright.
Color Spectrum: W1%+R1%+B4%+G2%

· Lightning Storm: Enabled by a [⚡] button on the remote.
The lightning flash is set to last for 2 seconds before returning back
to dark clouds,then reciprocating cycle.
Color Spectrum: W1%+R1%+B3%+G3% .

Model	APSR-A0S12	APSR-A0S18	APSR-A0S24	APSR-A0S30	APSR-A0S36	APSR-A0S48
Input	AC100-240V					
Output	DC20V					
Power	24W	30W	40W	52W	65W	80W
White LED	32	54	64	74	84	130
RGB LED	24	36	48	60	72	96
Purple LED	4	6	8	10	12	14
Light Size (without brackets)	10.8"	16.7"	22.6"	28.5"	34.4"	46.2"
Application	12"-18"	18"-24"	24"-30"	30"-36"	36"-42"	48"-54"
Power Cord	4.9ft+2.3ft					
Color Temp	6000-10000K					
Render Index	>89					
Lumens	1200	2000	2500	3200	3700	4300

4. Maintenance

For maximum LED performance, it is recommended that the fixture be cleaned on a weekly basis. Unplug transformer prior to cleaning the light fixture and remove from aquarium. Wipe exposed surfaces carefully with a damp cloth to remove any dust or mineral deposits that may collect over time. Do not use detergents or harsh cleaners as it can damage the light fixture.

5.Troubleshooting

- Light stopped working, please check the remote control batteries. Replace it if it is run out of battery. If still not working, please contact us to get a new power supply. Maybe the power supply damaged.
- Light is not response to remote, unplug the light, take out the battery on the remote. Then put it back and plug in light, press on/off button to match with light.
PS:The step of taking out the battery would restore factory setting. You have to reset the light again.

Memory Function
If power failure, the light turns on at 100% full spectrum once restore.
Then the light will revert back to the previous mode within one hour.

Restore Factory Default Settings

Take out the battery, you need to manually unplug the power adapter
to turn off the light, reinstall the battery and reset the aprogram.

6.IMPORTANT SAFETY INSTRUCTIONS

⚠ Warning: To guard against injury,basic safety precautions
should be observed,including the following:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

① .You should read all the important notices on the appliance before using.
Failure to do so may result in loss of fish life or damage to this appliance.

② .Danger: to avoid possible electric shock, special care should be taken
since water is employed in the use of aquarium equipment. For each
of the following situations, do not attempt to repair by yourself. Return
the appliance to an authorized service facility for service or discard
the appliance.

• Carefully examine the appliance after installation. Do not operate
any appliance if it has a damaged cord or plug, or if it is malfunctioning
or it is dropped or damaged in any manner. The power cord of this
appliance cannot be replaced.If the cord is damaged, the appliance
should be discarded. Never cut the cord.

• To avoid the possibility of the appliance plug or receptacle to one
side of a wall mounted receptacle to prevent water from dripping on to
thereceptacle or plug. A "drip loop" (see illustration) should be arranged
by the user for the cord connecting appliance to a receptacle.The drip

loop is that part of the cord below the level of the receptacle or the connector if an extension cord is used to prevent water travelling along the cord and coming in contact with the receptacle. If the plug or receptacle does get wet, do not unplug the cord. Disconnect the fuse or circuit breaker that supplies power to the appliance.Then unplug and examine for presence of water in receptacle.
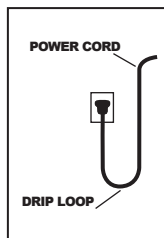
③. This appliance is not intended for use by persons(including children) with significantly impaired physicalor mental capabilities, unless they have been given supervision or instruction concerning the use of theappliance by a person responsible for their safety.Children should always be supervised to ensure that they do not play with the appliance.

④.To avoid injury, do not touch moving parts or hot parts.

⑤.CAUTION-Always unplug or disconnect all appliances in the aquarium from electricity supply before placing hands in water,before putting on or taking off parts and while the equipment is being installed, maintained or handled. Never yank cord to pull plug from outlet. Grasp the plug and pull to disconnect. Always unplug an appliance from an out letwhen not in use.

⑥.Do not install or store the appliance where it will be exposed to weather or temperatures below freezing. For indoor household use only. Do not immerse.

⑦.Make sure the appliance is mounted correctly and securely positioned on the aquarium before operating the appliance.

⑧.If an extension cord is necessary, a cord with proper rating should be used. A cord rated for less amperes or watts than the appliance rating may overheat.Care should be taken to arrange the cord so that it will not be tripped over or pulled. The connection should be carried out by a qualified electrical installer.

⑨.The socket-outlet shall be installed near the equipment and shall be easily accessible.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference,and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits aredesigned to provide reasonable protection against harmful interference in aresidential installation. This equipment generates, uses and can radiate radiofrequency energy and, if not installed and used in accordance with theinstructions, may cause harmful interference to radio communications.However, there is no guarantee that interference will not occur in a particularinstallation. If this equipment does cause harmful interference to radio ortelevision reception, which can be determined by turning the equipment offand on, the user is encouraged to try to correct the interference by one of the following measures:

• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

FCC Caution:
• Any changes or modifications not expressly approved by the party responsiblefor compliance could void the user's authority to operate this equipment.
• This transmitter must not be co-located or operating in conjunction with anyother antenna or transmitter.

Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for anuncontrolled environment. This equipment should be installed and operated with minimum distance of 8 inches (20cm) between the radiator & your body.

8. One Year Limited Warranty

This product MUST be purchased from an authorized reseller. Visit our website for a list of unauthorized resellers. We warrant this product against defects in materials and workmanship for ONE (1) YEAR from the date of original retail purchase, and this warranty is non-transferable. The warranty on all products, including aquariums, is limited to the replacement of the product and does not cover fish loss, personal injury, property loss, or direct, incidental, or consequential damage arising from the use of this product.

Note : The One-Year Limited Warranty does not cover damage caused by the following: improper installation, saltwater corrosion, electrical surges, or modifications.

If you discover a defect, please contact us, and we will, at our option, repair or replace the product at no charge to you, provided you return it during the warranty period. A copy of the bill of sale is required as proof of the original purchase date in the event the product needs repairs within the warranty period. We do not warrant any products that are not purchased from an authorized reseller.

This warranty does not apply if the product has been damaged by accident, abuse, misuse, or misapplication, or if the product has been modified without written permission.

9. DISPOSAL

Do not dispose of this product as unsorted municipal waste. Separate collection for special treatment is necessary. This product must not be disposed of together with domestic waste. It must be taken to an authorized place for recycling electrical and electronic appliances. By collecting and recycling waste, you help save natural resources and ensure the product is disposed of in an environmentally friendly and healthy way.

Dear Valued Customer,

Thank you so much for your purchase! We're a small company with big ambitions, and your support means the world to us.

We would greatly appreciate it if you could take a moment to leave an honest review of the Olfrekta product. Your feedback helps us improve and continue to provide the best products and services to our customers.

Thank you for being a part of the Olfrekta family!

Warm regards,
The Olfrekta Team