



Instruction Manual

Sunpower with Dimmcomputer

T5 Aquarium Pendant Lamp

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1.1 Introduction

Dear Customer,
with the buy of this Lamp you decided to buy an ATI – Quality product.
Thank you for your confidence.

1.2 Our Concept

In the beginning of any development is always a requirement. Our purchases depend always on the requirements of the animals and to develop the optimized solution for them. This is in the aquaristic in the domain of illumination a qualitative high-class light solving. With the composition of light and intensity it is specific on the requirements of the corals. Also the filter technology like our skimmers is common for an especially efficient function.

Therefore: At ATI you always meet a thought-out concept.

2.1 Normal Use

Our lamps are exclusive conceived to illuminate aquariums. The illuminant is to install tight with a minimum distance of 20 cm from the water surface over the aquarium. It must be warranted, that the lamp could not get in contact with water. Furthermore it must be avoid children can't get in contact with the equipment. Don't let children never unattended coming near the aquarium illumination.

2.2 Scope of delivery and safety instructions

Please check the lamp after unpacking for the correct condition and scope of delivery. If there is a damage or incompleteness, you have to inform directly the specialized trade to submit a warranty claim. Damaged lamps are not to be used! Our lamps are invested with the CE-Symbol. You find it on the specification plate.



Please note for your own safety the following detail. A nonobservance of these points could be dangerous or even a breach of the rules!

- The lamp must not be used without splash guard pane.
- The active ventilation must be warranted.
- The lamps are arranged only for the aquarium business. Never handle it under water.
- For maintenance work or changing the illuminant, the lamp must be disassembled and disconnected from the power grid.
- Let the illuminant cool off before you change it.
- At work in the aquarium, there is for reasons of safety and advise to disconnect the lights from the power grid.
- Do not put something on the fan cover.
- If there is an error, please do not repair it by yourself. Call your trader.

3.1 Electrical Connection

The Sunpower with Dimmcomputer Light-Units are originally invested with one input lead with shock-proof plug. Please ensure your aquarium power supply system conforms to requirements. A ground contact is imperative. Pay attention by the buy of a multi-contact plug or other circuit points on the shock-proof.

3.2 Assembling of the Lamp

Drill for both suspensions at intervals of the ropes two holes in the ceiling. Please take the intervals (in mm) of the separate lights from the following chart.

Lamp/Wattage	24W	39W	54W	80W
Sunpower	571	871	1171	1471



Fitting media like anchor bolts, screw et cetera.... are knowingly not part of the scope of delivery. They must be selected by the local ceiling actuality. Relating to the fitting media take a legal advise by your specialized trade.

After the successful fixation of the rope suspension the light can be suspended by help of the Y-Acceptance.

3.3 Insert respectively change of the illuminant

By the insert respectively change of the illuminant the lamp has to be disconnect from the power grid. It is a reference to hang the Lamp for the insert respectively changes of the illuminant out and to change it easily later in a lying position. For that you have to remove the splash guard. Pull the acryl glass panel on the correct side out of the lamp. Now equip the lamp with the illuminant of your choice. Put the fluorescent tube into the lamp-holder and turn it about 90° until it looks.

All lamps from ATI are equipped with electronic ballasts. Thereby it is not necessary to use a starter by ignite the fluorescent tube.

The Lamp must be equips only with all illuminants!

At the change of the illuminant, please check the lamp-holder and the feeder clamp for roasts spots, depositions or other damages and let them change.

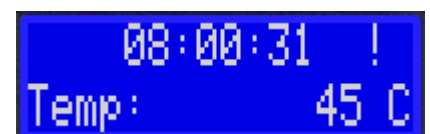
Check the fluorescent tube on errors, too. Damaged ones must not be used!

3.4 Active Cooling

The active cooling is managed by the Temperatur Managment System (TMS).

If the temperature is to high inside the Fans will be running at higher voltage first. If that will be not enough, the TMS will dimm the T5s down until the temperature is okay and get back to the setting.

A operate by the TMS will be shown by a exclamation mark at the right top of the display (see fig. right).



3.5 First Operation

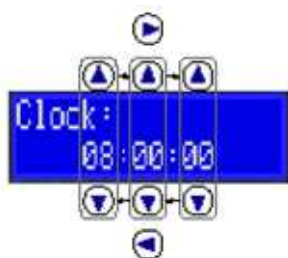
After assembling the light-unit, just connect the plug with the mains.
 The display will light up and you can see the status monitor (Date, Time, Temperature, Circuits)



3.6 Basic Settings (Time and Date)

We focused the developing of the dimmcomputer at a easy handling. For us, it was important to have a simple menu like you know from many other goods in the electronics industry. So we decided to use a 5-point directional pad.

If you put the button at the middle, you will entry the menue. There you will find the elementary settings like the Clock, Date, Dimmchannels, a manuell Sector, Language and the Factory Setting.

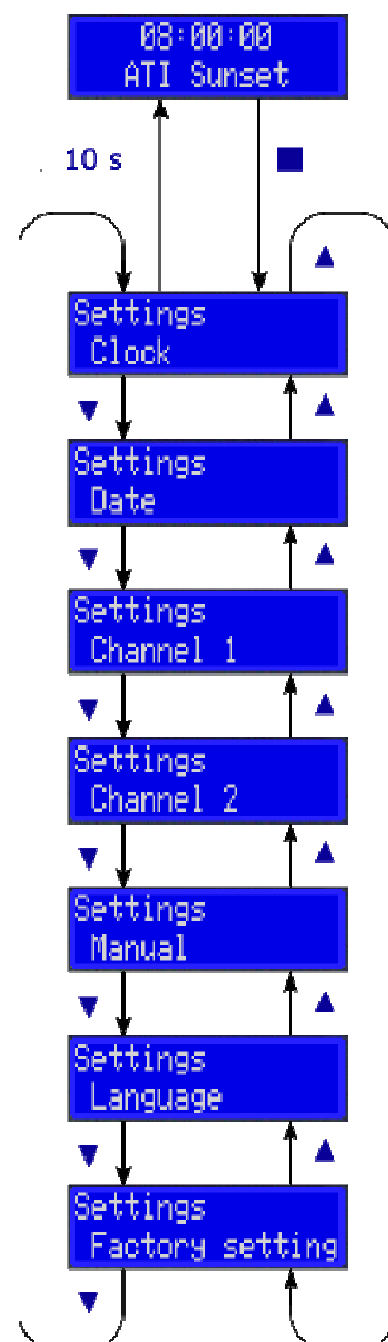


Start first with the Clock and Date setting and confirm your choice with the middle button. After setting the Time (LEFT, RIGHT, UP and DOWN) press the middle button again and save the setting. You will come back to the Status Monitor. Repeat that with the Date.

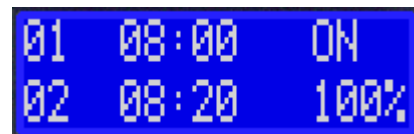
3.7 Dimmchannels

The Sunpower comes as plug and play unit with a factory setting.
 You can change this setting for both channels like you want.

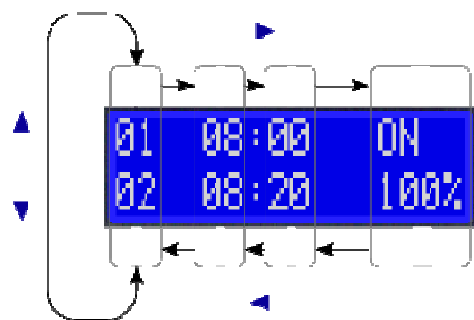
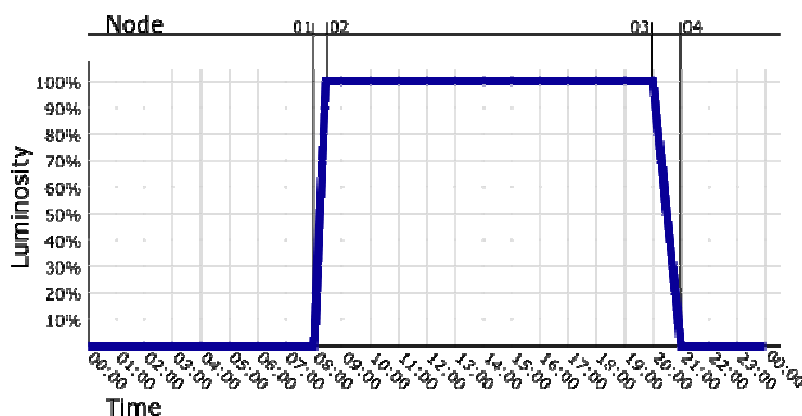
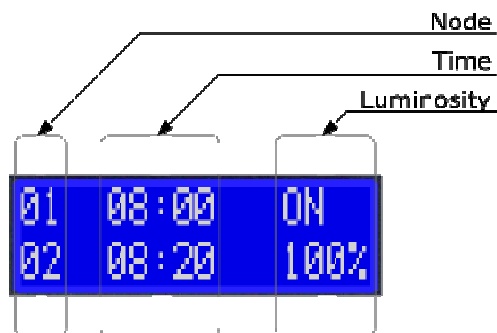
To change the factory setting, you have to go into the menue of channel 1 or 2.



In this Menu, you have the option to make 10 steps (nodes/supporting points). The first step must be ON and the last one OFF.



At the graph below, you can see for example that this channel will start up at 8.00 am and raise up to 100% until 8.20 am.



The time period between these two Nodes is the time which the controller use to dim up or down.

For a complete programm you need 4 steps at minimum as you can see at the schema below (factory setting).

Node	Time	Luminosity
1	08:00 UHR	ON
2	08:20 UHR	100%
3	20:00 UHR	100%
4	21:00 UHR	OFF

The Sunpower is a Stand Alone unit and needs no other computer or controller to use.

With the factory setting it comes as Plug and Play unit. After setting up the time and the date you can directly start to use the light-unit.

3.8 Manuel Setup

With this point of setup, you are able to switch the dimmchannels and the fans by manual.

For use, just choose the menu point Manual and select the Channel you want to control.

You are able to switch the channel to AUTO for automatic (program modus), 1-100% or OFF with the LEFT and RIGHT button.

After switching back to the program modus you have to switch all three parts back to AUTO.

Make sure that the active cooling (FANS) is onto AUTO modus during ilumination the complete time

4.1 Refulgence and their scope of delivery

The Sunpower with Dimmcomputer

(4/6/8-flammable)

Your Sunpower Aquarium Pendant Lamp will be delivered ready for connection. The extent contains:

- Lamp body
- Splash guard pane
- Approval by German Boiler Code Y-Acceptance

Besondere Merkmale dieser Leuchte sind unter anderem:

- Shapely design*
- Best possible reflection rate by high-end material
- Longevity by an active cooling
 - 4-flammable with one ventilator
 - 6-flammable with two ventilators
 - 8-flammable with two ventilators (24 and 39W), with three (54 and 80W)
- Cover all over splash guard to guard the tubes and reflectors
- Just one plug but 2 circuits
- High quality electronic ballasts from branded manufacturer

All lamps of this product line are equipped with 2 input leads. There is a 2/2 division at the 4-flammable model by cross, a 2/4 division at the 6-flammable model and a 2/6 division at the 8-flammable.

5.1 Terms of guarantee

The firm Elke Pritzel Aquarian Technology (ATI-Aquaristik) allowed a 24 month guarantee standardly.

Complains must be result immediately after the diagnosis under presentation of the contract of sale (receipt for cash payment). All requirements will be run out after 24 month. Neither advertises nor rectifications of a defect by replacement or remediation of a defect brings an extension.

Defect that result by a faulty, incorrect installation, mechanical damaging, deferred maintenace, insert false illuminant, inexpediently use and connection at incorrect electricity supplier are excluded from the guarantee.

If the customer or a third person repairs, changes or engages the product, the guarantee will be disappear. Only the ATI-Aquaristik authorized persons and service firms or ATI as the producer are allowed to repair.

In case of complaint, the equipment hast o send in the functional package and adequate transport protection to the authorized service firm. The risk of shipping is carried by the customer.

Please communicate with your trader or direct with ATI-Aquaristik before you send it. Per your damage description you get, dependent the date of purchase, in advance an estimate.

A load that is sending dependent to ATI-Aquaristik will not be accepted.

5.2 Original packaging

Please annul the original packaging with the inboard cushion for a possible transmission, for exmple in a case of maintenance.