



Instruction Manual

ATI Sunpower Dimmable T5 Aquarium Pendant

1. Normal Use.

ATI Sunpower Pendants are to be used with a minimum distance of 50mm from the water surface, at no time must the pendant be in contact with any water.

2. Safety Instructions.

Please check the pendant upon receipt. If there is damage or found to be incomplete please inform your supplier prior to using. ATI Pendants are designed to be used with ATI T5 Tubes, other manufacturer's tubes can be used but we recommend for maximum performance ATI T5 tubes are used. ATI T5 tubes have the CE Symbol, please ensure any other manufacturer's tubes used have the same CE Symbol.



Please note the following must be observed at all times.

- The pendant must not be used without the acrylic splash guard panel in place.
- The active ventilation fans must be functioning correctly whilst the pendant is in use.
- When using for the first time or using new tubes please observe the burning in procedure as detailed in **Red** below.
- For any maintenance work or tube changing the pendant must be turned off and removed from the mains supply.
- Ensure the pendant is left to cool down prior to any maintenance or tube replacement.
- Do not cover or place anything on the pendant or in the way of the fans.
- If you have any problems please follow the Problems and Diagnostic section below, if this does not resolve issues please contact your supplier.

3. Electrical Connection.

Sunpower Dimmable Pendants are supplied with a single mains cable and plug. Please ensure the mains supply is correctly earthed and if short extension leads are used they are both earthed and correctly rated.

4. Fitting the pendant using suspension wires.

Please ensure suitable ceiling fixings are used to carry the weight of the pendant.

Lamp Wattage	24w	39w	54w	80w
D.B.F.	571mm	871mm	1171mm	1471mm

D.B.F. = Dimension Between Fixings



TÜV geprüfte Y-Seilaufhängung

When suitable fixings are made the pendant can be suspended at the correct height using the provided suspension kit.

5. Lamp Replacement.

Prior to changing any tubes please turn off the pendant and disconnect from the mains, leave to cool down for at least 20 minutes. Remove the splash guard. With hands at both ends of the tube turn the tube 90 degrees and remove. Any corroded tubes or damaged lamp holders must not be reused. Replace or refit new tubes by holding both ends and inserting fully into the plastic lamp holder. Tubes must then be rotated by 90 degrees to snap into place. Refit splash guard, connect to mains and turn on.

6. ATI Active Cooling.

Active cooling is managed by the automatic Temperature Management System (TMS).

When the temperature inside the pendant increases the fan speed will increase. If the correct temperature is not achieved by the fans the TMS will automatically dimm the tubes until a workable temperature is achieved and will then automatically increase brightness of the tubes to pre programmed settings.

Operation of the TMS will be shown by a exclamation mark at the top right top of the display (as shown in the diagram right), this is normal and is protecting the pendant and tubes to run within the correct operating temperature.



7. Using for the First Time.

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

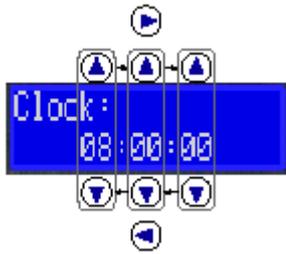
After installing all tubes connect the plug to the mains and turn on.

The display will light up and you will see the monitor status (Language, Date, Time, Temperature, Channels 1 &2)



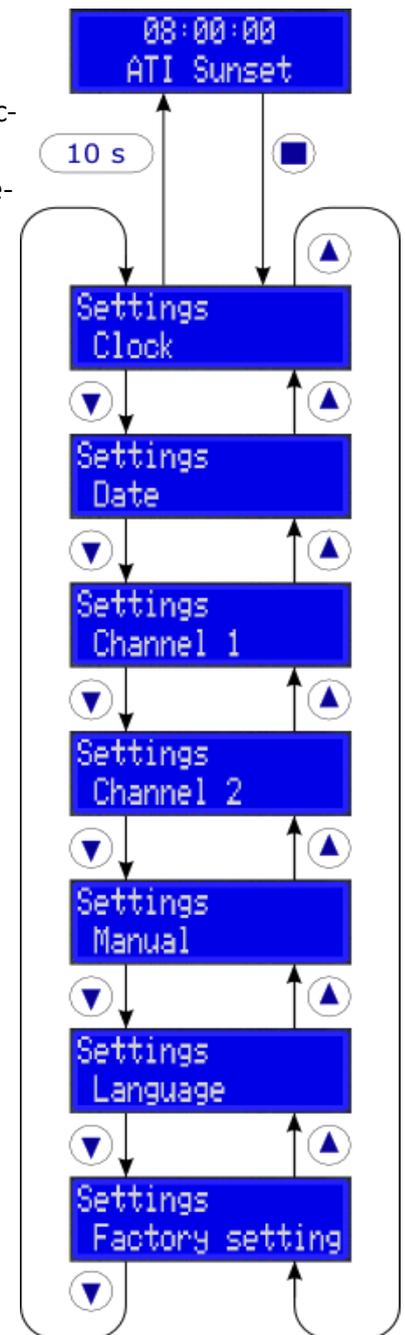
8. Basic Settings (Time and Date).

The Sunpower Dimmable has been produced for ease of use, a 5 point directional pad is used to navigate and program all functions and the 2 channels. The button at the middle will access the Menu. There you will find the elementary settings of Clock, Date, Channel 1, Channel 2, Manual Selector, Language and 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 Menu. Repeat with the Date.

You can use factory settings to reset the pendant back to original settings.



9. Initial start up and burning in of tubes.

It is important to 'burn in' any new tubes used with this pendant. This is to ensure they are fully functioning prior to activating the dimming function.

After fitting any new tubes both channels must be set in manual mode for the tubes to operate at 100% brightness for a minimum of 60 hours.

Failure to do this may cause problems in dimming down to a low % and may affect programmed channels.

To do this choose Manual from the menu and select the channel you want to control, set to 100% for the duration you require the lights to be on, repeat with the other channel. Please run this setting for a minimum of 60 hours.

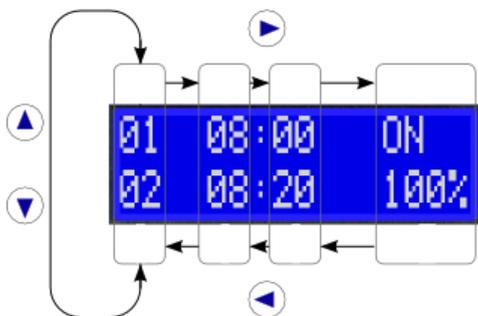
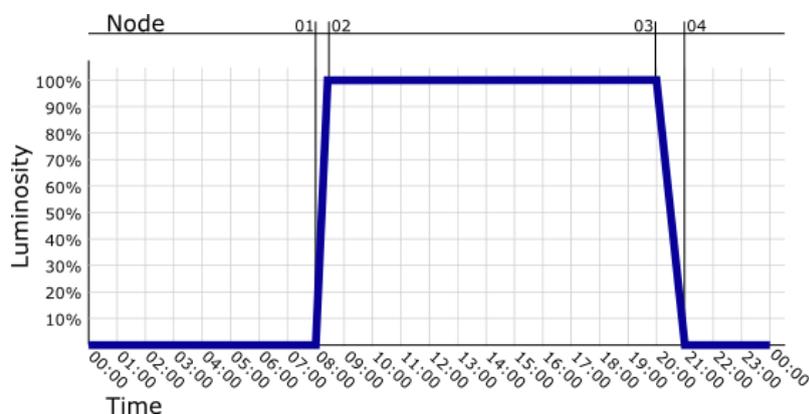
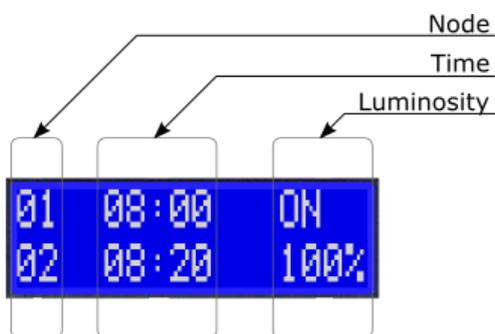
9. To activate dimming.

To do this select Auto from the menu and select the channel you wish to control.

In Auto mode the Sunpower is supplied with default factory settings to turn on and off both channels. You can change this setting for both channels by selecting the Auto option and then the individual channel, you have the option to make 10 steps (nodes) in a 24 hour period. The first step must be ON and the last one must be OFF.



As an example this channel will start up at 8.00 am and raise the lamp brightness up to 100% at 8.20 am.



The time period between these two Nodes is the time it takes to dim the channel up or down.

For a basic programme you require 4 steps as a minimum as you can below which is the factory default setting.

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

Any programmes requiring more than four steps requires and start and end point as the following example

Node	Time	Luminosity
1	08:00 UHR	ON
2	08:20 UHR	60%
3	08:21 UHR	60%
4	13:00 UHR	100%
5	20:00 UHR	100%
6	21:00 UHR	OFF

The Pendant can be set back to the factory default settings at any time by entering the Menu, Settings and Factory Settings.

10. Problems and diagnostic testing.

Almost all problems encountered with ATI Dimmable pendants are due to faulty lamps, incorrectly fitted lamps or incorrect programming.

Please ensure all lamps are fitted correctly into lamp holders and snapped in by turning the tube at 90 degrees to ensure a clean connection, if one or more lamps do not light please move tubes around in the pendant to see if the problem follows the lamp or the problem is down to the location one of the lamp holders.

To test the pendant is working correctly please push all 3 buttons horizontally, this will start the diagnostic test mode and will run initially the fans from 0 to 100% and then back to 0 and this will be followed by the same with each of the channels.

A few users have experience low voltage shocks from pendants whilst placing hands in the water and touching the pendant, firstly prior to touching any water in a tank please turn off the light and allow to cool. It may appear to be the pendant that is causing the shock but is in most cases electrical voltage in the water which is being grounded on the pendant, pumps and water movers are the most common cause of this.

11. Guarantee.

ATI Sunpower Dimmable Pendants are covered by a 24 Month Guarantee.

Please contact your supplier with a copy of the original sale receipt to arrange for any warranty work to be carried out.

Defects that result by a faulty or incorrect installation, mechanical or physical damage or user maintenance are excluded from the guarantee.

Please keep the original packing in case of any warranty repairs.