



Operating Manual

T5 LED Powermodule

1.1 Introduction

Dear Customer,

By purchasing this pendant you have a high quality ATI product, thank you for choosing ATI.

1.2 Our approach

Our starting point in developing a new product is always to start from the needs and requirements of the animals to be maintained.

This pendant is a high quality lighting solution tailored to providing light intensity for the exacting needs of corals or plants.

2.1 Intended Use

Our pendants are exclusively designed for aquarium lighting and not a commercial product adapted for a different use.

This pendant is to be used at a minimum distance of 20cm from the water surface.

At no point must the pendant make contact with the water in your tank.

At no point must you look directly at the LED Light source as this could cause damage to the human eye.

2.2 Delivery and Safety

Please check after unpacking your pendant and if you notice any damage or missing parts please reported immediately to your supplier.

Damaged pendants or components must not be put into operation until fully repaired and tested.

Box Contents -

- ATI LED Powermodule T5 Hybrid Pendant
- LED Power Supply
- Power Supply Cable
- Suspension Wires and ceiling fixtures (Fixings not supplied)
- USB dongle with DIN connector (PC connection cable)

Our pendants are fitted with the CE mark. This can be found on the nameplate.



3.0 Safety

Please comply with the following when operating at all times:

- ☒ The lamp must never be operated without the acrylic shield fitted.
- ☒ The active ventilation must be working at all times (fans running).
- ☒ This pendant is designed exclusively for use over aquariums. They should never be operated under water.
- ☒ During maintenance or the replacement of lamps the electrical supply must be turned off and disconnected from the mains.
- ☒ Allow lamps to cool sufficiently before replacing.

- ⓘ When working in or on your aquarium it is recommended for safety reasons to turn the pendant off and disconnect from the mains.
- ⓘ The fans should never be covered or obstructed.
- ⓘ If an error occurs, other than to reset to factory default setting and reprogramming please do not open the pendant or controller. Contact your dealer to arrange a warranty repair.

The T5 LED hybrid light is designed for use in open indoor aquariums only.

3.1 Electrical connection

The ATI T5 LED Powermodule is equipped with a factory cable with fitted safety plug.

Please ensure that the power supply you are connecting to is correctly earthed.

Important!

The cable from the external LED power supply must be correctly connected to the pendant before connecting the power supply to the mains.



3.2 Installation of the Luminaire

When hanging the pendant from the ceiling with the supplied hanging kit suitable fixings must be used to ensure the pendant does not drop down.

Wattage	24W	39W	54W	80W
LED T5 Powermodul	571	871	1171	1471



Fixings are not supplied to attach the wire brackets to the ceiling but must be correctly selected and fitted to ensure a high quality fixing is provided.

After successfully secure the suspension cables, the pendant can be hung using the 'Y' hanging cables.

The power supply and pendant will be hot during operation, please ensure both items are suitably ventilated.

3.3 Removal and replacement of T5 tubes

When installing or changing any tubes please ensure the pendant is left to cool for a minimum of 20 minutes. Remove the splash guard and remove the tubes in a horizontal position by holding both ends of the tube and rotating 90 degrees. Replacement of tubes is carried out by replacing the tube using one hand at each end of the tube and rotating the tubes 90 degrees where they will 'snap' into position. All ATI Pendants use Electronic Ballasts and lamp starters are not required for correct operation.

ATI Pendants must only be used with the correct designed for number of working lamps.

When replacing tubes please check for burnt or broken lampholders, any damaged or broken lampholders must be immediately replaced prior to further use of the pendant.

Damaged or flickering tubes must not be used.

3.4 Commissioning

Firstly fit the T5 Tubes, connect the pendant to the power supply.

Fit the mains cable to the power supply and connect to the mains and turn on.

The computer starts immediately and you will see the status overview (date, time, temperature, and state).

In the status you will see the factory default settings which are a good base to start from.

The LED's have 4 separate colour channels. These are:-

r = Red

rb = Royal Blue

b = Blue

w = White

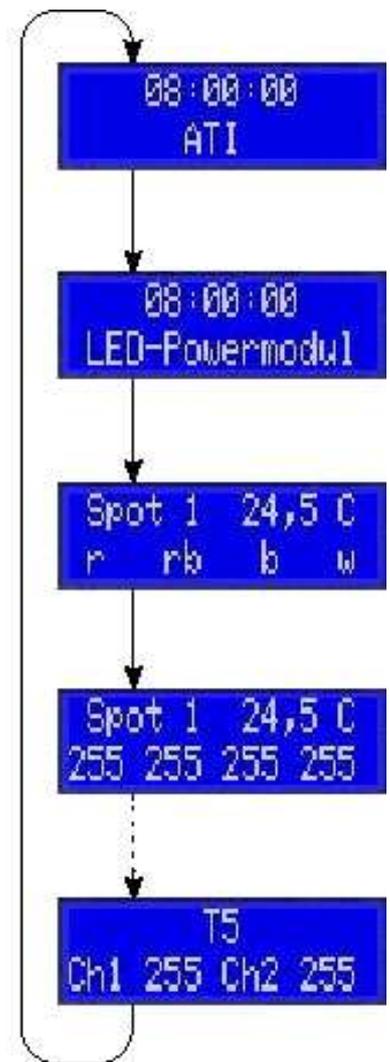
The values of each LED range from 0 = 0% and 255 = 100%.

The temperature indicator for each LED is for the safety and control of optimal operating conditions for the LEDs. This is controlled automatically by the automatic temperature management. (Fans)

The factory default settings are a preset program for a typical day of lighting for your reef aquarium.

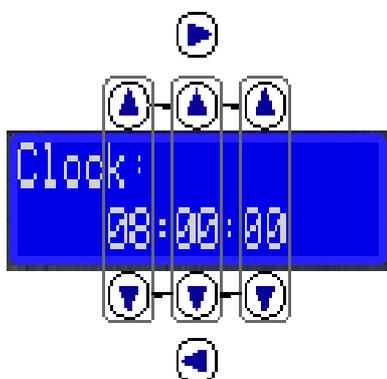
All program settings can be made either via the control panel or via desktop software which can be downloaded from the manufacturers website www.atiaquaristik.com Regular up-grades will also be downloadable from this website when available.

To use desktop software download the software and connect the control unit to a PC using the supplied USB cable.



3.6 Basic settings (time and date)

In developing this pendant ATI have produced a simple and straightforward menu controlled by a 5 point push button display which is capable of carrying out all functions.



The middle button takes you to the menu. From this you will find basic settings such as time, date, colour settings, separate dimming channels and factory reset.

Commence with the time and date settings and select the menu item for the time (clock) and confirm the selection with the middle button. After successfully setting the time using the directional buttons (left, right, up and down) to confirm the correct date and time and click 'save' to save the settings.

3.7 Colour settings (Custom)

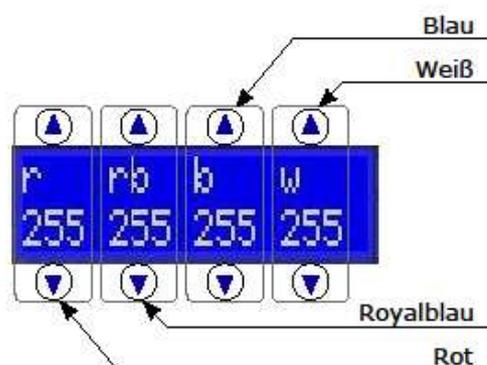
In this menu you can set your personal colour combinations for all of the LED 's.

These colour values are then stored and selected when switching is programmed in section 3.8..

Choose a custom number for each LED (1-5).

Now you can adjust the values (intensity) of each LED from 0-255 (0-100%).

After successfully entering your colour values press store to store the programme.



3.8 Switching times of dimming channels

The T5 LED Power Module is pre-programmed for factory default, you can change this at any time.

To change this settings go to the settings of the channel you are editing (LED 1-4; T5 channel 1 and 2), depending on which channel you want to edit.

In this menu you have the option to enter up to 10 steps (nodes).

In this menu, you can use your stored LED Customs colours.

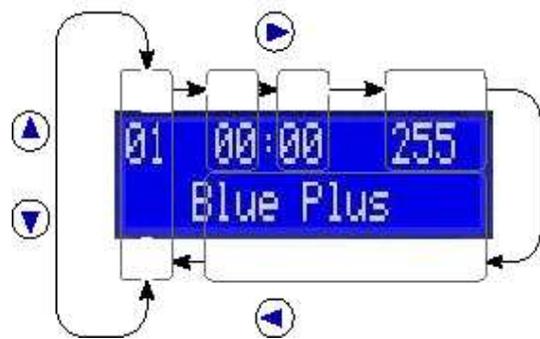
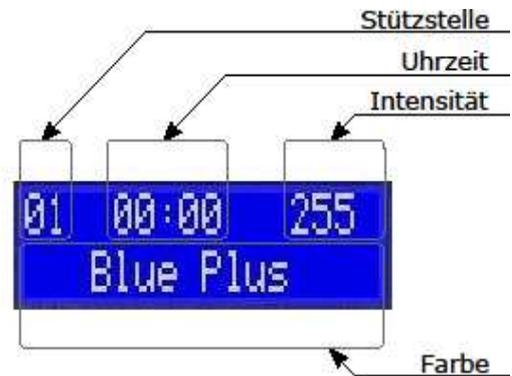
To simplify programming ATI have programmed as factory default popular setting for both T5 tubes and the LED's.

Finish programming with the middle button, and save it.

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.



3.9 Programming using the desktop software (Windows)

To simplify programming ATI have created for the T5 LED Power Module desktop software. Using this software it is possible to program the pendant and both light sources from a PC.

This software is downloadable from the manufacturers website on the support page www.atiaquaristik.com

4.1 The ATI LED Powermodule individual components

The T5 LED Power Module

(4 or 8 T5 Tubes and 1 to-4 LED's)

Your ATI T5 LED Power Module is shipped ready for connection and immediate use.

What is provided

- The Luminaire
- Acrylic splash shield
- TÜV Tested Y-steel wire suspension
- LED Power Supply
- USB dongle for programming with desktop software
- Power Cord
- Special features of this pendant are:
 - Elegant design
 - High Quality Reflectors to maximise light output
 - Long life by utilising active cooling
 - Full surface splash guard to protect tubes and reflectors
 - 2 Dimmable separate circuits for customer to programme exact times and dimming
 - Quality Branded Electronic Ballasts
 - Quality Branded LEDs
 - Individual reflectors
 - Easy desktop programming using the available software
 - Each LED can be individually programmed for both Colour and Intensity.

5.1 Warranty and conditions

The company Elke Pritzel aquarium technology (ATI Aquaristik) provide a warranty period of 24 months on all new pendants.

Complaints must be reported immediately to your supplier upon presentation of the purchase contract (sales receipt)

Excluded from warranty are defects that are caused by improper handling, improper installation, mechanical damage, lack of maintenance, improper use of lamps, improper use and improper connection to the power supply.

For repairs, alterations or intervention by the user or unauthorized third party warranty is voided. Repairs authorized by ATI Aquarium and distributors only.

5.2 original packaging

Please keep the original packaging and the inner polystyrene filling which may be useful if a warranty repair is required.

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