INNOVATION BY DESIGN

LED POWERMODULE

THE BEST OF BOTH WORLDS

Kit includes: ATI LED Powermodule T5 hybrid fixture, LED power supply with built in controller, power supply cable, acrylic shield, USB to DIN cable (PC connection cable) and hanging kit

Getting Started

Congratulations on your new ATI LED Powermodule! This fixture features exceptional performance and control that you are sure to enjoy. We know you have choices in your aquarium lighting and we thank you for choosing ATI.

Test the fixture before installing: Remove the acrylic shield. Insert bulbs into all available slots by sliding both ends into the socket pair. Rotate each bulb 90° to lock it into place. The labeled end should line up over the hole in the fixture. Connect the power supply cable and the cable from the fixture to the LED power supply. Plug the power cord into the outlet. Once the screen is illuminated, press the center button on the controller once. The word 'DEMO' should be displayed. Press the center button to select. Once in demo mode, the fixture will cycle through testing all LEDs, T5s and fans. To exit demo mode, press the center button.

Installing the fixture: Remove the protective film from the acrylic shield, then slide back into the fixture. The acrylic shield should be used at all times. Use the supplied hanging kit to hang the fixture over your aquarium at a minimum distance of 8 inches above the water surface. Plug in, set the clock, and enjoy.

The factory default settings include a preset program for a typical day of lighting for your reef aquarium. For additional setup information, please review the 'Fixture Settings' information here, as well as the 'Tips and Troubleshooting' leaflet included with the fixture.

Maintenance

- To keep the fixture in good working order, please be sure to clean and inspect the fixture at least once a month. Prior to performing any maintenance, be sure to turn off and unplug the fixture.
- Wipe down each reflector with a soft polishing cloth to remove any moisture build-up and/or salt spray. This will help maintain their reflective quality and help reduce the chance of deterioration and rust. DO NOT USE ANY CHEMICALS OR DETERGENTS on the silver-coated reflectors or any part of the fixture, as this may damage the fixture and will void the warranty.
- Check the inside of the fixture for any signs of moisture damage or salt creep. Be sure to check locations that are typically considered dry to ensure that moisture has not seeped in.
- Inspect the end-caps for any signs of moisture damage or electrical arcing.
- Clean and inspect all fans. Fixture should not be used for an extended period of time if any fans are out, as this may cause premature ballast and bulb failure.
- Clean the outside of the fixture and acrylic shield with a soft cloth or sponge.
- *Note: If practical, please keep all packing in the rare event the fixture needs to be returned for service.*

Fixture Settings

Using the computer software to change or modify the fixture settings (Recommended): The quickest way to configure the LED Powermodule is through the software program. This software provides an intuitive and streamlined way to completely program the LED Powermodule. Download the software and any available upgrades at **http://ww.atiaquaristik.com.**

Using the controller to change or modify the fixture settings:

- Press the center button once.
- Scroll through the settings menu using the top and bottom buttons. To select the desired setting, press the center button down.
- Scroll through setting options using the left, right, up and down buttons. To select the desired setting, press the center button down.
- To confirm change(s), select 'YES' by pressing the right button. To cancel change(s), select 'NO' by pressing the left button.

All settings can be accessed using the same procedure.

Controller Terminology
The values of each LED range from 0 = 0% and 255 = 100%.
On the program, 'lamp' means the entire fixture itself.

Required settings for each T5 channel:
Each T5 channel needs a minimum of four set points. The first set point for each channel must always be set to '000', while the last set point must also always be set to '000.' The middle settings must be somewhere in between 001-255 (essentially 0-100%) for the fixture to come on, brighten, stay at desired power for any period of time, dim, and turn off correctly. The last set point must not be after 23:59. The maximum number of set points is 10.

Required settings for each LED channel:
Each LED cluster needs a minimum of four set points. The first set point for each channel must always be set to '000', while the last set point must also always be set to '000.' The middle settings must be somewhere in between 001-255 (0-100%) for the fixture to come on, brighten, stay at desired power for any period of time, dim, and turn off correctly. The last set point must not be after 23:59. The maximum number of set points is 10. For the LEDs to transition smoothly, each consecutive set point must have a different intensity than the previous set point. For example, 50% to 50% will not work correctly.

Required settings for Custom LED colors:
The maximum value for at least one particular color (red, royal blue, blue and/or white) must be set to 255.

Note: In the software, the T5 sliding bar is for color preview only. It does not affect the T5's in the program.