

DaToo DT-1210

DaToo Aquarium Light LED Power Adapter (Model DT-1210) Instruction Manual

Model: DT-1210 | Input: AC 100-240V | Output: DC 12V 1A

INTRODUCTION

This manual provides essential information for the safe and effective use of your DaToo Aquarium Light LED Power Adapter. This adapter is designed to provide stable power to various aquarium lights and LED strip lights. Please read these instructions carefully before use and retain them for future reference.

PRODUCT OVERVIEW AND FEATURES

The DaToo Aquarium Light LED Power Adapter is engineered for reliability and safety, ensuring a consistent power supply for your aquatic lighting needs. Key features include:

- **Precise Circuit Design:** Ensures constant current and voltage, with built-in over-voltage and over-current protection for stable energy delivery.
- **Safety Low-Voltage Output:** Provides a 12V 1A low-voltage output, optimizing energy utilization and enhancing safety.
- **Durable Construction:** Features a high-strength ABS shell for impact resistance and a durable PVC cable for long-term use without breakage or leakage.
- **Easy to Use:** Equipped with a 1.5m (4.9ft) cable for flexible placement and an LED working indicator to confirm operational status.
- **Wide Compatibility:** Suitable for various aquarium lights and LED strip lights requiring 12V 1A power.

Precise Circuit Design

Ensure **constant current** and **voltage** at all times and have **over voltage**, **over current protection**, providing your aquarium light with **safe** and **stable** energy.



Over Current Protection



Over Voltage Protection



Constant Current Function



Constant Voltage Function

Figure 1: Internal circuit design highlighting safety features. The image displays the adapter's internal components with text indicating over current protection, over voltage protection, constant current function, and constant voltage function.

Safety Low Voltage Output

12V 1A **safety low-voltage** output, **high energy utilization**, **protect** your **safety** while **saving** your **electricity** bill.



Figure 2: Safety low voltage output connection. This image illustrates the secure and low-voltage connection between the adapter and the device, with a visual representation of electrical flow.

Sturdy And Durable



High Strength ABS Shell

Sturdy and impact-resistant, no fear of any external damage, having longer service life.



Durable PVC Cable

High toughness and corrosion resistance, no breakage or leakage for long-term using, giving you long-lasting safety protection.

Figure 3: Durable construction of the adapter. The image shows the robust ABS shell of the adapter and the flexible, durable PVC cable.

Application

Suitable for all kinds of aquarium lights, LED strip lights, easy to provide powerful energy for your LED fish tank lights!



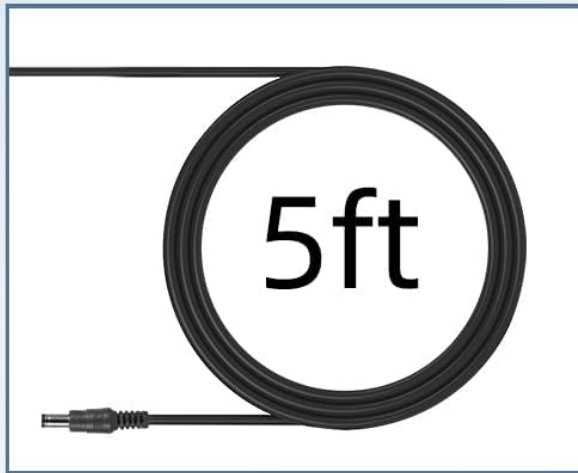
Figure 4: Application examples. This image demonstrates the adapter's compatibility with different aquarium light designs.

SETUP

Setting up your DaToo Aquarium Light LED Power Adapter is straightforward:

1. Ensure your aquarium light or LED strip light requires a 12V 1A DC power input.
2. Connect the DC output plug of the DaToo power adapter into the power input port of your aquarium light.
3. Plug the AC input prongs of the power adapter into a standard AC 100-240V wall outlet.
4. Observe the LED working indicator on the adapter. A lit indicator confirms the adapter is receiving power and functioning correctly.

Easy To Use



Extra Long Cable

With an extra long 5ft cable, DaToo can provide you with energy wherever your aquarium light is.

LED Working Indicator

You can easily know if it's working or not. Very Practical!

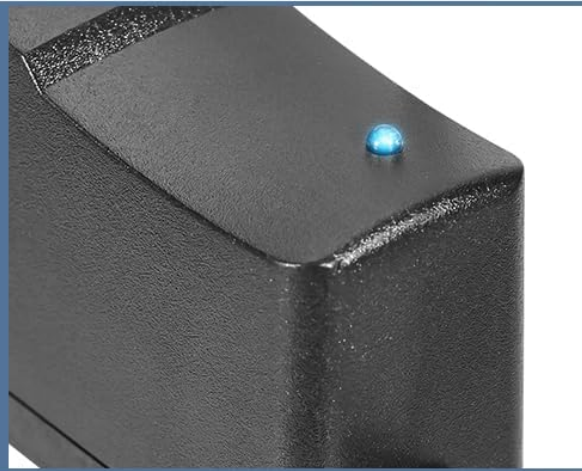


Figure 5: Adapter cable length and LED indicator. This image highlights the 5ft cable and the blue LED indicator light on the adapter.

OPERATING INSTRUCTIONS

Once properly connected, the DaToo Aquarium Light LED Power Adapter operates automatically. The LED indicator will illuminate when power is supplied to your device. No further user interaction is required for basic operation.

For specific light control functions (e.g., on/off, dimming, color changes), refer to the instruction manual of your aquarium light, as these functions are typically controlled by the light unit itself, not the power adapter.

MAINTENANCE

To ensure the longevity and safe operation of your power adapter:

- Keep the adapter in a dry environment, away from water and excessive humidity.
- Avoid placing the adapter in direct sunlight or near heat sources.
- Regularly inspect the cable and adapter housing for any signs of damage, such as cuts, fraying, or cracks. If damage is found, discontinue use immediately and replace the adapter.
- Clean the adapter with a dry, soft cloth. Do not use liquid cleaners.

- Ensure proper ventilation around the adapter to prevent overheating.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Aquarium light does not turn on.	No power to the outlet. Adapter not properly connected. Aquarium light malfunction. Adapter failure.	Check the wall outlet with another device. Ensure both ends of the adapter are securely plugged in. Test the aquarium light with a known working power source (if available and compatible). If the LED indicator on the adapter is off, the adapter may be faulty.
LED indicator on adapter is off.	No power to the outlet. Adapter not fully plugged into the wall. Internal adapter fault.	Verify the wall outlet is functional. Ensure the adapter is firmly seated in the wall outlet. If the outlet is working and the adapter is plugged in, the adapter may require replacement.
Adapter feels excessively hot.	Poor ventilation. Overload (device drawing too much power). Internal adapter fault.	Ensure the adapter is in an open area with good airflow. Verify the connected device's power requirements do not exceed 12V 1A (12W). Discontinue use immediately and replace the adapter if it remains excessively hot.

If troubleshooting steps do not resolve the issue, please contact customer support.

SPECIFICATIONS

Specification	Detail
Model Number	DT-1210
Input Voltage	AC 100-240V, 50/60Hz
Output Voltage	DC 12V
Output Current	1A
Maximum Wattage	12W
Cable Length	1.5m (4.9ft)
Connector Type	DC Barrel Plug (2.5mm inner, 5.5mm outer diameter)
Shell Material	High Strength ABS Plastic
Cable Material	PVC
Special Features	Charging Indicator, Over Voltage Protection, Over Current Protection

Specification	Detail
Dimensions (Adapter Body)	Approx. 2.8 x 1.5 x 0.8 inches (L x W x H)



Figure 6: Product dimensions. This image provides a visual representation of the adapter's physical size and the dimensions of its DC connector.

WARRANTY AND SUPPORT

The DaToo Aquarium Light LED Power Adapter comes with a **one-year warranty** from the date of purchase. This warranty covers manufacturing defects and material faults under normal use. For warranty claims, technical assistance, or any questions regarding your product, please contact DaToo customer service. Please have your purchase information and model number (DT-1210) ready when contacting support.

Contact information for customer support can typically be found on the product packaging or the retailer's website where the product was purchased.

