

Palawell T5

Palawell Outdoor Dimmer for String Lights

MODEL: T5

1. INTRODUCTION

Thank you for choosing the Palawell Outdoor Dimmer T5. This device is designed to provide versatile dimming and timing control for your outdoor and indoor lighting, including string lights, LED lamps, and incandescent bulbs. Its robust IP65 weatherproof design ensures reliable performance in various conditions. Please read this manual thoroughly before installation and operation to ensure safe and optimal use.



Image: The Palawell Outdoor Dimmer T5 plug and its wireless remote control.

2. PRODUCT FEATURES

- **Wireless Remote Control:** Features a 100-foot (30-meter) 360° wireless remote for convenient control from a distance. The remote and dimmer plug are paired one-to-one to prevent interference with other devices.
- **Dimming Functions:** Offers a full continuous spectrum of brightness adjustment from darkest to brightest using '+' and '-' buttons. Includes four fixed brightness settings: 25%, 50%, 75%, and 100%.
- **Timing Functions:** Provides countdown timer options (2h, 4h, 6h, 8h) and a 24-hour cycle timing function, allowing lights to automatically turn on and off daily.
- **IP65 Weatherproof Design:** Constructed with V0 grade fireproof PC shell and internal silicone filling for fast heat dissipation and strong waterproof characteristics. Suitable for indoor and outdoor use, resistant to wear, humidity, cold, and sunlight.
- **Overload Protection:** Automatically protects and reduces light string brightness if output power is overloaded.
- **High Compatibility:** 560W rated output, compatible with most types of dimmable LED string lights, filament

lamps, and incandescent bulbs.

- **Safe and Certified:** Features a 3-pin grounded design for high safety performance and is FCC certified.

3. SETUP AND INSTALLATION

3.1 Package Contents

- Palawell Outdoor Dimmer T5 Plug
- Wireless Remote Control (with 1 CR2032 battery pre-installed)
- Mounting Fixing Screws
- User Manual (this document)

3.2 Identifying Parts



Image: Detailed diagram of the dimmer plug indicating Brightness LED Indicator, Timer LED Indicator, 24-Hour Cycle LED Indicator, ON/OFF/Pairing and Dimming Button, Countdown and 24-Hour Auto Button, AC Receptacle, 3-Pin Access Plug, and SJTW Cord.

3.3 Installation Steps

1. **Choose Location:** Select a suitable location for the dimmer plug. While IP65 rated, placing it in a sheltered area can extend its lifespan.
2. **Mounting (Optional):** Use the provided mounting fixing screws to secure the dimmer plug to a wall or post if desired. The unit has a mounting hole for this purpose.
3. **Connect Lights:** Plug your dimmable string lights or other compatible lighting into the AC Receptacle on the dimmer plug.
4. **Power On:** Plug the dimmer plug's 3-pin access plug into a standard 120V outdoor or indoor power outlet.
5. **Pairing Remote (if needed):** The remote control is typically pre-paired. If re-pairing is necessary, press and hold the ON/OFF/Pairing and Dimming Button on the dimmer plug until the indicator lights flash, then press any button on the remote to complete pairing.



Image: The dimmer plug showing its 3-pin access plug, mounting hole, manual control button, and AC receptacle. Icons indicate compatibility with traditional dimmable bulbs and non-compatibility with other devices.

4. OPERATING INSTRUCTIONS

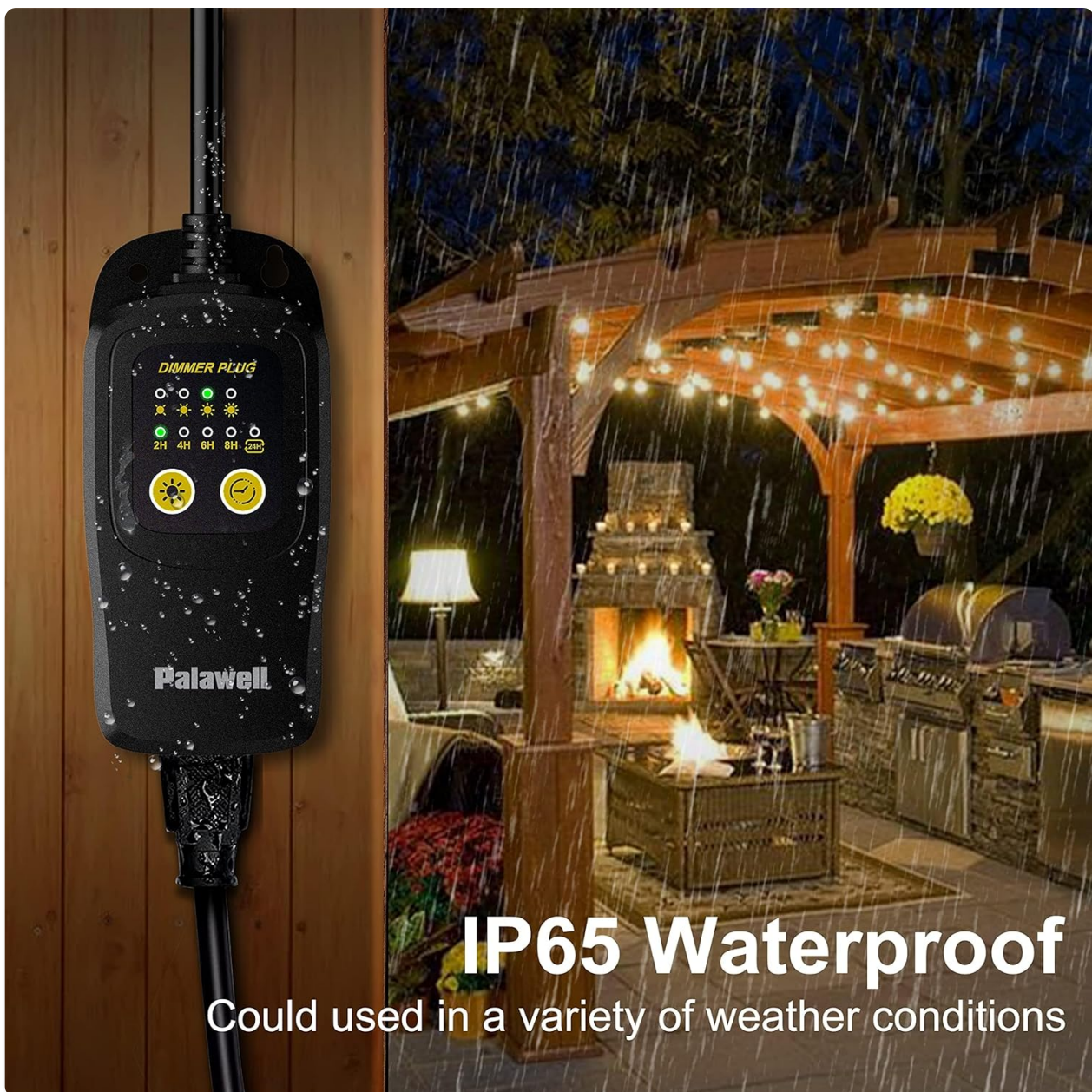
4.1 Remote Control Functions

The wireless remote control provides comprehensive control over your lighting. Ensure the remote has a clear line of sight to the dimmer plug for optimal performance, though it offers a 360° range up to 100 feet (30 meters).



Image: The remote control with labeled buttons for Power On/Off, Countdown Timer (2H, 4H, 6H, 8H), Continuous Dimming (+/-), 4 Brightness Modes (25%, 50%, 75%, 100%), and 24-Hour Cycle Timer On/Off.

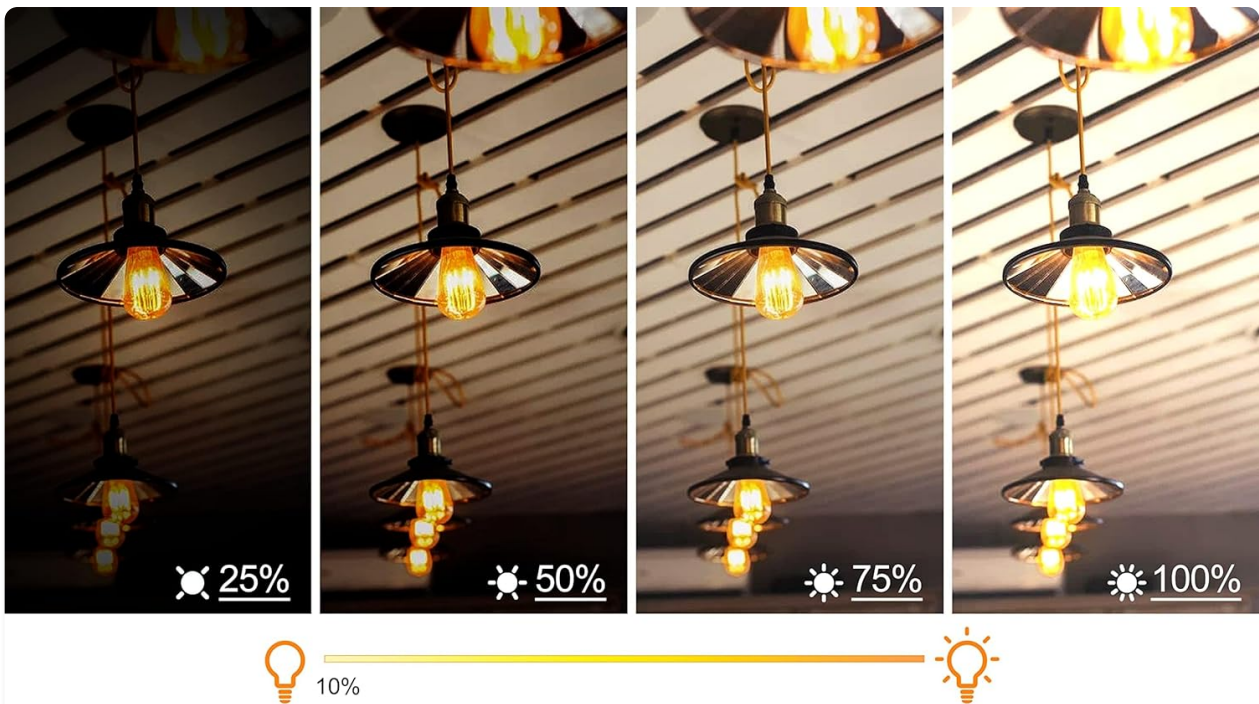
- **On/Off Button:** Press the **On** button to turn lights on, and the **Off** button to turn lights off.
- **Fixed Brightness Modes:** Directly select **25%**, **50%**, **75%**, or **100%** brightness.
- **Continuous Dimming:** Use the **+** button to increase brightness and the **-** button to decrease brightness, allowing for fine-tuned adjustments.
- **Countdown Timer:** Press **2H**, **4H**, **6H**, or **8H** to set the lights to turn off automatically after the selected duration.
- **24-Hour Cycle Timer:** Press the **24H** button to activate the daily cycle timer. The lights will turn on at the time you activate this function and turn off after the previously selected countdown duration (e.g., if you set 4H and then 24H, lights will turn on daily at the activation time and turn off 4 hours later).



IP65 Waterproof

Could used in a variety of weather conditions

Image: Visual representation of the dimmer's capability to adjust light intensity from 25% to 100% and a full stepless dimming range from 10% to 100% (14 levels).



Full Range Stepless Dimming Stepless Dimming Form 10%-100% (14 Level)

Image: The 24-hour cycle auto function, allowing daily repeat schedules and countdown timers for automatic light operation.

4.2 Manual Control on Dimmer Plug

The dimmer plug itself has two buttons for basic control:

- **Left Button (Sun Icon):** This button controls the dimming and acts as the ON/OFF/Pairing button. Each press cycles through the four fixed brightness levels (25%, 50%, 75%, 100%) and then off. Press and hold to initiate pairing mode.
- **Right Button (Clock Icon):** This button controls the timing functions. Each press cycles through the countdown timer options (2H, 4H, 6H, 8H) and activates the 24-hour cycle function.

5. MAINTENANCE

The Palawell Outdoor Dimmer T5 is designed for durability and minimal maintenance due to its IP65 weatherproof rating and robust construction.

- **Cleaning:** Periodically wipe the unit with a damp cloth to remove dirt or debris. Do not use harsh chemicals or abrasive cleaners.

- **Inspection:** Regularly inspect the power cord and plug for any signs of damage, fraying, or corrosion. If any damage is found, discontinue use immediately and contact customer support.
- **Battery Replacement:** The remote control uses one CR2032 battery. If the remote's range or responsiveness decreases, replace the battery.



Image: The IP65 weatherproof Palawell dimmer plug shown in a rainy outdoor environment, demonstrating its resistance to various weather conditions.


6. TROUBLESHOOTING

- **Lights not turning on:**
 - Ensure the dimmer plug is securely plugged into a working power outlet.
 - Verify that the string lights or connected bulbs are functional and properly plugged into the dimmer.
 - Check if the remote control battery needs replacement.
 - Confirm the remote is paired with the dimmer plug. Refer to Section 3.3 for re-pairing instructions.
- **Lights not dimming or flickering:**
 - Ensure your connected lights are explicitly labeled as **dimmable**. Non-dimmable lights may flicker or not

dim properly.

- Check the total wattage of your connected lights. If it exceeds the 560W maximum output, the overload protection may activate, reducing brightness or causing issues.
 - Ensure the remote control has a clear path to the dimmer plug.
- **Timing function not working correctly:**
 - Ensure you have correctly selected a countdown duration (2H, 4H, 6H, 8H) before activating the 24-hour cycle.
 - The 24-hour cycle starts from the moment you press the 24H button. If you want it to start at a specific time, activate it at that time.
 - **Overload Protection Activated:** The dimmer has an overload protection function. If the output power exceeds 560W, the unit will automatically protect itself and may reduce the brightness or shut off. Reduce the load by disconnecting some lights.

7. SPECIFICATIONS



560W Output Max
Could used by multiple light strings





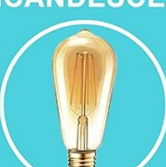
	5W x112
INCANDESCENT	
	2W x100
LED	
	6W x93
LED	
	40W x14
INCANDESCENT	
	6W x33
LED	

Image: Illustration of the dimmer's 560W maximum output and examples of compatible incandescent and LED bulb quantities.

Specification	Detail
Model Number	T5
Product Dimensions	4.33 x 1.57 x 2.36 inches
Weight	11.11 ounces
Rated Output	560 W Max
Operating Voltage	120 Volts
Current Rating	5 Amps
Operation Mode	ON-OFF-ON
Contact Type	Normally Open
Connector Type	Plug In
Actuator Type	Remote
Remote Battery	1 CR2032 battery (included)
Waterproof Rating	IP65
Certifications	FCC

8. WARRANTY AND SUPPORT


Palawell provides a **12-month warranty service** for this product. If you encounter any issues or have questions regarding your Palawell Outdoor Dimmer T5, please do not hesitate to contact our customer support team.

To activate your warranty service or for any inquiries, please email us via Amazon. Our team is dedicated to providing the best solution in a timely manner.

Your satisfaction is our priority, and there is no risk in your purchase.

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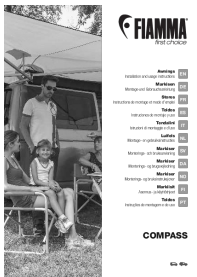
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