

Traxxas 8028

Traxxas 8028 LED Light Regulated Power Supply Instruction Manual

Model: 8028

1. INTRODUCTION

The Traxxas 8028 LED Light Regulated Power Supply is designed to provide a steady 3V, 0.5 amp current for Traxxas LED light kits, specifically those used with TRX-4 vehicles. This unit ensures consistent power delivery, which is crucial for the optimal performance and longevity of your RC vehicle's lighting system. It is engineered for durability and is waterproof, allowing for reliable operation in various weather conditions.

2. SAFETY INFORMATION

- Always disconnect power from your RC vehicle before installing or performing maintenance on the power supply or any electrical components.
- Ensure all connections are secure and correctly polarized to prevent damage to the power supply or LED lights.
- Do not attempt to modify the power supply. Unauthorized modifications can lead to malfunction, damage, or injury.
- Keep the power supply away from extreme heat, open flames, and corrosive materials.
- This product is intended for users aged 14 years and up. Adult supervision is recommended for younger users.

3. PACKAGE CONTENTS

The Traxxas 8028 LED Light Regulated Power Supply package includes the following components:

- 1x Traxxas 8028 Regulated Power Supply Unit
- 1x Wiring Harness
- Mounting Screws



Figure 1: Components of the Traxxas 8028 LED Light Regulated Power Supply package. Shown are the main power supply unit, the associated wiring harness, and two mounting screws.

4. SETUP AND INSTALLATION

This power supply is specifically designed for Traxxas TRX-4 LED light kits. Refer to your TRX-4 vehicle's user manual for exact parts listings and detailed installation diagrams.

1. **Prepare the Vehicle:** Ensure your RC vehicle is powered off and the battery is disconnected before beginning installation.
2. **Locate Mounting Position:** Identify the designated mounting location for the power supply on your TRX-4 chassis. This is typically near the existing electronics.
3. **Mount the Power Supply:** Use the provided mounting screws to securely attach the Traxxas 8028 power supply unit to the chassis. Do not overtighten the screws.
4. **Connect Wiring Harness:** Connect the included wiring harness to the power supply unit. Ensure the connectors are fully seated.
5. **Integrate with LED Light Kit:** Connect the other end of the wiring harness to your Traxxas TRX-4 LED light kit. Consult your LED light kit's instructions for specific connection points. The power supply provides a regulated 3V output for the LED lights.
6. **Cable Management:** Route all wires neatly and secure them with cable ties (not included) to prevent them from interfering with moving parts or becoming damaged.
7. **Final Check:** Double-check all connections before reconnecting the vehicle's battery and powering it on.

Note: If you are already running the 2021 Bronco TRX-4 with the 9290 Pro Scale LED light set, this power

supply may not be required as the 9290 kit often has a jumper location for powering rock light kits directly. Consult the 9290 kit's manual for details.

5. OPERATING INSTRUCTIONS

Once the Traxxas 8028 LED Light Regulated Power Supply is correctly installed and connected to your LED light kit and vehicle's power system, its operation is automatic.

- When your RC vehicle is powered on, the power supply will automatically regulate the voltage to 3V and provide 0.5 amps of current to the connected LED light kit.
- The power supply is designed to be waterproof, allowing for use in wet conditions without compromising its function.
- No user adjustments are required for the power supply itself. Its function is to provide a stable power source for your LED lights.

6. MAINTENANCE

The Traxxas 8028 LED Light Regulated Power Supply requires minimal maintenance due to its robust and waterproof design.

- **Cleaning:** Periodically inspect the unit for dirt, dust, or debris. Clean with a soft, dry brush or cloth. For stubborn dirt, a slightly damp cloth can be used, ensuring the unit is completely dry before reconnecting power.
- **Connection Check:** Regularly check all wiring connections to ensure they remain secure and free from corrosion. Loose connections can lead to intermittent power or damage.
- **Physical Inspection:** Inspect the casing and wires for any signs of damage, such as cracks, frayed wires, or exposed conductors. Replace the unit if any significant damage is observed.
- **Storage:** When not in use for extended periods, store the power supply in a clean, dry environment, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
LED lights do not turn on.	<ul style="list-style-type: none">• Loose or incorrect wiring connections.• Vehicle battery not connected or discharged.• Damaged LED light kit.• Power supply malfunction.	<ul style="list-style-type: none">• Check all connections between the power supply, LED kit, and vehicle power. Ensure correct polarity.• Verify the vehicle battery is charged and properly connected.• Test the LED light kit with a known working power source if possible.• Contact Traxxas support if the power supply is suspected to be faulty.

Problem	Possible Cause	Solution
LED lights flicker or are dim.	<ul style="list-style-type: none"> Insufficient power from the vehicle. Loose connection. Overloaded circuit (too many lights). 	<ul style="list-style-type: none"> Ensure the vehicle's power system is providing adequate voltage. Check and secure all wiring connections. Confirm the total current draw of your LED lights does not exceed the power supply's 0.5 amp capacity.
Power supply does not work with non-Traxxas electronics.	<ul style="list-style-type: none"> Incompatibility with third-party systems. Different voltage/current requirements. 	<ul style="list-style-type: none"> The 8028 is designed for Traxxas LED light kits. Compatibility with other brands or custom setups is not guaranteed. Consider a power splitter or alternative power source if integrating with non-Traxxas components.

8. SPECIFICATIONS

Model Number	8028
Output Voltage	3V (Regulated)
Output Current	0.5 Amps
Compatibility	Traxxas TRX-4 LED light kits
Waterproof	Yes
Product Dimensions (L x W x H)	8.5 x 4.75 x 0.75 inches
Item Weight	0.01 ounces
Manufacturer Recommended Age	14 years and up

9. RELATED VIDEOS

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Video 1: An official video demonstrating aspects of Traxxas products. This video may provide visual guidance related to installation or operation of Traxxas accessories.

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Video 2: Another official video showcasing features or usage scenarios of Traxxas products. Useful for understanding the ecosystem of Traxxas accessories.

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Video 3: An official Traxxas video that may offer additional insights into product compatibility or advanced usage tips.

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Video 4: This official video provides further visual information, potentially covering different applications or maintenance aspects of Traxxas components.

10. WARRANTY AND SUPPORT

Traxxas products are known for their quality and durability. For specific warranty information regarding the 8028 LED Light Regulated Power Supply, please refer to the official Traxxas website or contact Traxxas customer support directly.

For technical assistance, replacement parts, or further inquiries, please visit the official Traxxas support page or their brand store:

- **Traxxas Official Website:** traxxas.com
- **Traxxas Store on Amazon:** amazon.com/stores/Traxxas