Xprite UTV-RSL-G14-RYWBR

Xprite 30-inch Ultra-Thin LED Chase Strobe Light Bar

Model: UTV-RSL-G14-RYWBR

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1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Xprite 30-inch Ultra-Thin LED Chase Strobe Light Bar. Designed for off-road vehicles such as UTVs, Polaris RZRs, Can-ams, Yamahas, SXSs, 4x4s, and Trucks, this light bar enhances visibility and safety in various conditions. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the product.

2. Safety Information

- Always disconnect power before installing or performing maintenance on the light bar.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- Mount the light bar securely to prevent detachment during vehicle operation.
- Verify local regulations regarding the use of strobe and chase lights on public roads. This product is intended for off-road use.
- Do not look directly into the LED lights when illuminated, as this may cause eye strain or temporary vision impairment.
- Keep children away from the product during installation and operation.

3. Features

- **Ultra-Thin Design:** 1.0-inch profile for versatile mounting options.
- **Durable Construction:** Aluminum alloy housing and brackets are shockproof and corrosion-resistant.
- **Advanced Optics:** 4D optical lens for broad and even illumination, scratch-resistant.

- **Multi-Function Lighting:** Integrates running lights, brake lights, turn signals, reverse lights, and strobe patterns.
- **Strobe Modes:** Features 9 distinct strobe flash patterns for enhanced visibility.
- **Adjustable Mounting:** Supports 1.75"-2" roll cages with 180° vertical and 360° rotation adjustment.
- **Weatherproof:** Designed to withstand harsh road conditions and extreme weather.
- **Rocker Switch Control:** Convenient power on/off and strobe pattern selection.

4. Package Contents

Verify that all components are present and undamaged upon opening the package.

- Xprite 30-inch Ultra-Thin LED Chase Strobe Light Bar
- Adjustable Mounting Brackets (for 1.75"-2" roll cages)
- Wiring Harness with Rocker Switch
- Installation Hardware (screws, nuts, washers)

5. Setup

5.1 Mounting the Light Bar

The light bar features an adjustable mounting system compatible with 1.75-inch to 2-inch roll cages. It also supports screw fixing for alternative installations.

1. Identify the desired mounting location on your vehicle's roll cage or other suitable surface.
2. Attach the clamp brackets to the light bar using the provided hardware. Ensure they are oriented correctly for your chosen mounting angle.
3. Secure the light bar to the roll cage. The L-shape brackets allow for 180° vertical adjustment, and the clamps provide 360° rotation for optimal positioning. Tighten all fasteners securely.



Figure 5.1: Adjustable mounting system with clamp brackets for 1.75-inch to 2-inch roll bars and angle adjustable side brackets.

Figure 5.2: Examples of adjustable clamp positions on a roll bar.

5.2 Wiring Instructions

The light bar includes a wiring harness with a rocker switch for control. Connect the wires according to your vehicle's electrical system.

- **Red Wire:** Connect to your vehicle's braking light circuit. This activates the blue lighting effect for braking.
- **White Wire:** Connect to your vehicle's reverse light circuit. This activates the yellow lighting effect for reversing.
- **Black and Blue Wires:** Connect to your vehicle's turning signal system. These wires activate the red lighting effects for turn signals.
- **Power and Ground:** The main power and ground wires from the light bar should be connected to a suitable 12V power source and chassis ground, respectively.



Figure 5.3: Wiring harness connections for the light bar.

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Video 5.1: Demonstration of wiring connections for brake, reverse, and turn signals, showing corresponding light effects.

6. Operation

6.1 Light Functions and Modes

The Xprite LED Chase Strobe Light Bar offers multiple lighting functions:

- **Running Lights:** Blocks 1 & 5 (outermost sections) function as running lights.
- **Brake Lights:** Blocks 1 & 5 also illuminate as brake lights (blue effect when connected to brake circuit).
- **Strobe Lights:** Blocks 2 & 4 (inner sections) provide 9 different flash patterns.
- **Reverse Light:** Block 3 (center section) functions as a solid or reverse light (yellow effect when connected to reverse circuit).
- **Turn Signals:** Black and Blue wires activate red lighting effects for left and right turn signals.



Figure 6.1: Light bar functions: Running/Brake Light, Dust Light, Reverse Light.

6.2 Strobe Patterns and Control

The included rocker switch allows you to control the power and select from 9 different strobe patterns.

- **Power On/Off:** Use the main switch on the rocker panel to turn the light bar on or off.
- **Change Strobe Patterns:** Press the second switch on the rocker panel to cycle through the 9 available strobe patterns.
- **Turn Strobe Off:** Hold the strobe pattern switch for 3 seconds to turn off the strobe function.



Figure 6.2: Rocker switch for power and strobe pattern selection.

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Video 6.1: Demonstration of the 9 strobe light patterns and how to operate the dual in-line switch harness for power and pattern selection.

7. Maintenance

- **Cleaning:** Regularly clean the lens with a soft cloth and mild soap to maintain optimal light output. Avoid abrasive cleaners.
- **Inspection:** Periodically check all mounting hardware and wiring connections for tightness and signs of wear or corrosion. Tighten as necessary.

- **Damage:** If the light bar or wiring is damaged, discontinue use and replace affected components immediately.

8. Troubleshooting

Problem	Possible Cause	Solution
Light bar does not turn on.	No power, loose connection, faulty switch.	Check power source, verify all wiring connections, test the rocker switch.
Some light functions (e.g., brake, reverse) do not work.	Incorrect wiring for specific function, faulty vehicle signal.	Review wiring diagram for correct connections (Red for brake, White for reverse, Black/Blue for turn signals). Test vehicle's signal output.
Strobe patterns do not change.	Faulty strobe switch.	Ensure the strobe pattern switch is functioning correctly. Replace if necessary.
Water or condensation inside the lens.	Seal compromise, extreme temperature changes.	Ensure proper installation and sealing. If persistent, contact support.

9. Specifications

Attribute	Detail
Model Number	UTV-RSL-G14-RYWBR
Dimensions (Approx.)	85.09 x 9.65 x 7.87 cm (33.5 x 3.8 x 3.1 inches)
Item Weight	2.04 kg (4.5 lbs)
Material	Aluminum
Voltage	100 Volts (Operating voltage typically 12V for vehicles)
Type of Bulb	LED
Special Features	Waterproof
Usage	Rear Lights
Vehicle Service Type	UTV, Polaris RZR, Can-am, Yamaha, Arctic Cat SXS 4x4 trucks
Lens Color	Clear

10. Warranty and Support

Xprite products are designed for durability and performance. For warranty information, technical support, or to inquire about replacement parts, please contact Xprite customer service through their official website or the retailer where the product was purchased. Please have your model number (UTV-RSL-G14-RYWBR) and purchase date available when contacting support.

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