

Sunbolt Riot Owner's Manual

LED Vehicle & Security Searchlight

P/N 200-1800



Please read the below before using your Sunbolt Riot as it relays beneficial operating and safety information.

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1. INTRODUCTION

Overview

The Sunbolt Riot is a blinding 12,000+ lumen CREE LED vehicle and security searchlight with innovative and disorienting turbo-strobe. Varying strobe frequency offers an effective and non-lethal form of crowd control / compliance. Designed for by law enforcement and security personnel and can be mounted to trucks, urban assault vehicles, a wall/tower along with government, SWAT and off-road vehicles. Provides lighting up to 2.0 miles (3.2 km) away.

Physical Characteristics

Light Head

- 6061-T6 Aluminum Head
- Light Head -
 - Consists of eighteen (18) high power LEDs
- Dimensions – Approx. Rectangle
 - Length: 13.2” (335mm)
 - Height: 3.0” (76mm)
 - Depth: 6.7” (170mm)
- Weight -
 - 14.5 lbs / 6.5 kg
- Distance of Illumination -
 - Approximately 2.0 miles / 3.2 km
- Mount Roll Bar
- Adaptation: Interconnection cable connecting to the Power Converter

Power Converter

- Dimensions -
 - Length: 8” (203mm)
 - Height: 4.75” (121mm)
 - Depth: 2.75” (70mm)
- Weight -
 - 2.5 lbs / 1.1 kg
- Mounting: Free Standing
- Power Cable:
 - Length: 9 ft / 2.74m
- Control Cable:
 - Length: 8.5 ft / 2.6m
 - Divided into two sections via a connector that allows the user to route the cable thru the body of the vehicle for outside or inside operation.
- Adaptation -
 - Power Cable for interconnection to Vehicle Battery
 - Control Cable for interconnection to the Actuator Switch



Actuator Switch

- Dimensions -
 - Length: 2.75” (70mm)
 - Height: 1.5” (38mm)
 - Depth: 0.625” (15.9mm)
- Controls: Toggle switch to power On/Off



Electrical Characteristics

- Light Intensity -
 - 12,000+ Lumen
- 160 Watt Power Consumption
- 6,500 Kelvin
- 8° Focused Beam

Features

- Smooth 12,000+ Lumen Hotspot
 - a. Focused 8° beam allows for visibility up to 2.0 m / 3.2 km (depending on ambient conditions)
- Pan Adjustment +/- 90° with locking handle
- Instant On/Off
- Roll Bar Mount
- 3 Operational Modes: Momentary, Steady & Strobe

Modes of Operation

Push Button for Modes of Operation selected by depressing the push button as follows:

Mode	
1	Momentary Light Output
2	Steady Light Output
3	Strobe (blinking output)

Product Durability & Environmental Constraints

- Weather Resistant
 - Operates in temperatures varying from 14°F (-10°C) to 300°F (149°C)

2. SETUP

Unpacking the Sunbolt Riot

Make sure the following items are present:

- Light Head
- Power Converter
- Actuator Switch
- Operating Instructions

If any of these items show damage through shipment, please contact FoxFury at the contact numbers listed at the end of this manual, for replacement of the defective items.

Test before Installation

Run a preliminary test of your Sunbolt Riot PRIOR TO installation on the intended Vehicle.

To accomplish this:

1. Connect the cable emitting from the Light Head, to the female connector on the end of the Power Converter.
2. Then connect the heavy, red coated cable emitting from the Power Converter, to a 12VDC supply such as a Car or Truck Battery.
3. Place the Toggle Switch in the “ON” position and depress the push button to check thru the three modes of operation.

Installation on Vehicle *Placement of Components*

Light Head

The Light Head has two ring clamps attached to its underside, as shown below:



These Clamps are designed to attach the Light Head to a 1.75" Roll Bar.

Remove the bolts that hold the lower portion of the Ring Clamps. Position the main portion of the Light Head onto the intended Roll Bar and reattach the lower portion of each Ring Clamp. Do not tighten the bolts until you have positioned the Light Head properly - middle of the Roll Bar and parallel to the bed of the Vehicle.

Power Converter

The Power Converter is equipped with rubber feet and was merely intended to rest on the floor of a trunk or under the seat of a Pick-Up.

Actuator Switch

This is a handheld unit and may be located inside the Vehicle or adjacent to the Light Head.

Interconnection of Components

If this is to be a permanent installation, first place the Power Converter in its location (your choice). Drill two holes in the roof of the Vehicle –one for the Primary cable 1.25" diameter and one for the Control cable 1.0" diameter. Interconnect the appropriate cables.

Locate a convenient source of 12 VDC Power within the Vehicle and interconnect the heavy duty Power cable emitting from the Power Converter.

3. OPERATION

Forward Operation

If the Light Head is locked into a forward position, it is mostly likely in control by the driver of the Vehicle. The light will provide increased visibility for 2 km or more.

This method of operation requires that a person be stationed in the bed of the Vehicle to direct the light

where it is needed. The Light Head is equipped with a locking Handle located at its rear.

Horizontal Sweep



When the Handle is in the position shown above - down and in - the Light Head is locked into a forward pointing orientation.

The Operator may wish to deploy the light beam at objects that are to the side of the Vehicle. To do so, merely pull-out and raise the Handle to a horizontal position and swivel the Light Head in the desired direction.

If not requiring the swiveling action, be sure to again orient the Light Head in a forward position and lower the Handle into the locked state.

4. MAINTENANCE

Keep your Sunbolt Riot clean & free of dirt

- Remove dirt and debris from the front window of the Sunbolt Riot, as this will ensure that you emit maximum light.
- As needed, wash your Sunbolt Riot using a soft washcloth, clean water and a mild soap. When done, pat the unit dry with a damp cloth.

5. WARNINGS

IMPORTANT

FoxFury, LLC is not responsible for the incorrect use of any FoxFury Lighting product.

- Lights are strong enough to cause damage to the human eye.
- Do not stare into LEDs for long periods of time or from a close range (less than 2 feet).
- FoxFury, LLC is not responsible for any injury or damage caused during the use of this product.
- Usage of this product must be supervised by an adult when it is being used by a minor.
- Any FoxFury product should be operated at speeds safe enough to maneuver around surrounding obstacles.
- Do not use under the influence of drugs or alcohol.



STROBE WARNING

FoxFury's Turbo Strobe is purposely designed to induce disorientation. Prolonged viewing may produce vertigo or even vomiting. Note that the frequencies implemented are well below the ones reported to cause photo-induced seizures. As with all products, use common sense while operating.

6. WARRANTY & CUSTOMER CARE

FoxFury Limited Warranty & Customer Care Information

LIMITED WARRANTY

FoxFury, LLC ("FoxFury") warrants to the purchaser of this product ("Buyer") that for a period of two years following purchase, this product will be free from defects in material and workmanship and will function in substantial compliance with FoxFury's written specifications for this product as specified in the instruction manual or on FoxFury's website located at www.foxfury.com. Buyer's exclusive remedy shall, in any case, be limited, at FoxFury's election, to: A) repair or replacement of the defective product; or B) refund of the purchase price for this product. THE FOREGOING WARRANTY IS THE ONLY WARRANTY MADE BY FOXFURY WITH RESPECT TO THIS PRODUCT. TO THE EXTENT ALLOWED BY APPLICABLE LAW, THERE ARE NO REPRESENTATIONS OR WARRANTIES OF ANY KIND BY THE FOXFURY, EXPRESS OR IMPLIED, WITH RESPECT TO THE CONDITION OR PERFORMANCE OF THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

This limited warranty shall not apply if this product is not stored, handled, installed or used in strict accordance with manufacturer's specifications and instruction manuals, or which has been subject to misuse, alteration, negligence or accident.

1. The damaged part or product must be returned to FoxFury **PRIOR TO** any repair or replacement. Shipping costs are the responsibility of the claimant.
2. You must obtain a return authorization (RMA) number from FoxFury prior to returning products. FoxFury is not responsible for any damage incurred while in transit.
3. Buyer will be required to show proof of purchase – No Exceptions.
4. Any modifications to light, cable or battery pack automatically voids all warranties on this product.

All warranty inquiries should be directed to FoxFury's Customer Service Department to handle all warranty/repair related inquiries.

TO THE EXTENT ALLOWED BY APPLICABLE LAW: (A) IN NO EVENT, WHETHER DUE TO BREACH OF WARRANTY HEREUNDER OR ANY OTHER CAUSE WHATSOEVER,

SHALL FOXFURY BE LIABLE FOR OR OBLIGATED IN ANY MANNER TO PAY CONSEQUENTIAL, INCIDENTAL

OR INDIRECT DAMAGES, INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, COST OF SUBSTITUTE PRODUCTS AND PERSONAL INJURY OR PROPERTY DAMAGE, WHETHER SUCH CLAIM IS BASED ON CONTRACT OR TORT OR ANY OTHER THEORY OF LAW, AND (B) FOXFURY'S ONLY DUTIES IN CONNECTION WITH THE SALE OF THIS PRODUCT SHALL BE TO HONOR THE LIMITED WARRANTY SET FORTH HEREIN. TO THE EXTENT THAT THIS LIMITED WARRANTY IS INCONSISTENT WITH APPLICABLE LAW, THIS STATEMENT SHALL BE DEEMED MODIFIED TO BE CONSISTENT WITH SUCH APPLICABLE LAW



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