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KNOG Knog-12982

Knog Blinder Mini Bike Light

USER MANUAL

Product Overview

The Knog Blinder Mini Bike Light is a compact and powerful front bike light designed to enhance cyclist visibility. Featuring Chip On Board (COB) LED technology, it delivers 50 lumens of bright light and offers 8 distinct flash patterns. Its ultralight and waterproof design, combined with convenient USB-rechargeable functionality, makes it an ideal accessory for urban and road cycling.

This manual provides instructions for setting up, operating, maintaining, and troubleshooting your Blinder Mini Bike Light.



Figure 1: Knog Blinder Mini Bike Light, showcasing its compact design and bright LED panel.

Setup

- 1. Initial Charge:** Before first use, fully charge the Blinder Mini. Locate the integrated USB-A connector on the light. Plug it directly into any standard USB-A port (e.g., computer, wall adapter). The charge indicator light will show charging status and turn off when fully charged.
- 2. Mounting:** The Blinder Mini features a flexible silicone strap for easy attachment.
 - Identify a suitable position on your bicycle's handlebar.
 - Wrap the silicone strap around the handlebar.
 - Hook the strap onto the clasp on the light body, ensuring a secure and snug fit. The light should be positioned to face forward, providing optimal visibility.



Figure 2: The Blinder Mini Bike Light securely mounted on a bicycle handlebar, ready for use.

Operating Instructions

1. **Power On/Off:** Press and hold the power button (located on the side/rear of the light) for approximately 1 second to turn the light on or off.
2. **Changing Modes:** Briefly press the power button to cycle through the 8 available flash patterns and steady modes. The light will remember the last mode used when turned off and on again.
3. **Battery Indicator:** A small LED indicator near the power button will show the battery status. Refer to the product specifications for detailed indicator behavior (e.g., green for full, red for low).
4. **Recharging:** When the battery is low, recharge the light using its integrated USB-A connector. A full charge typically takes a few hours and provides up to 30 hours of runtime depending on the mode selected.



Figure 3: Close-up of the Blinder Mini's LED panel, illustrating its bright output and distinct pattern.

Maintenance

- **Cleaning:** Wipe the light body and lens with a soft, damp cloth. Avoid using abrasive cleaners or solvents, as these can damage the finish or LED lens.
- **Water Resistance:** The Blinder Mini is IP67 waterproof. While it can withstand rain and splashes, avoid prolonged submersion. Ensure the USB connector is dry before charging.
- **Storage:** Store the light in a cool, dry place when not in use. For long-term storage, ensure the battery is partially charged (around 50%) to preserve battery health.

Troubleshooting

Problem	Possible Cause	Solution
Light does not turn on.	Battery is depleted.	Charge the light fully using the integrated USB-A connector.
Light does not charge.	USB port issue or connector not fully inserted.	Try a different USB port or power source. Ensure the USB-A connector is fully inserted and dry.

Problem	Possible Cause	Solution
Light is dim or runtime is short.	Battery is low or aging.	Recharge the light. If the issue persists after a full charge, the battery may be nearing the end of its lifespan.
Light flickers.	Low battery or loose connection.	Charge the light. Ensure the light is securely mounted and the internal components are not damaged.

Specifications

Model: Knog Blinder Mini (Model No. 12982)

Brightness: 50 Lumens

LED Type: COB (Chip On Board) LED

Modes: 8 Flash Patterns

Visibility: Up to 300 meters

Power Source: Integrated USB Rechargeable Battery

Runtime: Up to 30 hours (mode dependent)

Weight: Approximately 17 grams

Dimensions: 5.91"L x 3.15"W x 5.91"H (Note: These dimensions may refer to packaging)

Water Resistance: IP67 (Waterproof)

Material: Aluminum body with silicone strap

Mounting: Handlebar Mount (integrated silicone strap)

Warranty Information

The Knog Blinder Mini Bike Light comes with a **2-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

To make a warranty claim, please retain your proof of purchase and contact Knog customer support through their official website. The warranty does not cover damage caused by misuse, accidents, unauthorized modifications, or normal wear and tear.

Customer Support

For further assistance, technical support, or to view additional product information, please visit the official KNOG website:

[Visit the KNOG Store on Amazon](#)

You may also find FAQs and contact information on their dedicated support pages.

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Related Documents - Knog-12982



BLINDER QUICK START GUIDE

RECHARGE BEFORE FIRST USE



USB Plug

INTERFACE



- A. LOW BATTERY INDICATOR
- B. POWER/MODE SWITCH
- C. RECHARGE INDICATOR

LONG PRESS B TO TURN LIGHT ON/OFF
SHORT PRESS B TO CYCLE MODES

FITMENT

3 STRAP SIZES
INCLUDED



BLINDERS COME PRE-FITTED
TO CLASP WITH MEDIUM STRAP

INTERCHANGEABLE STRAP



Stretch strap to fit clasp

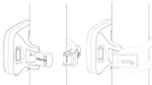


Place strap end over hook



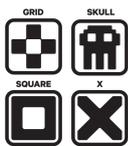
Pull strap toward the light body

MOUNTING



1. Pull silicone strap around bar
2. Engage latch into hook

THE RANGE



The Blinder range is available
in front and rear lights.

WARRANTY INFORMATION

This light is guaranteed for 2
years against manufacturing de-
fects only.

The battery is guaranteed for 6
months against manufacturing
defects only. See the website for
more details.

For more information go to
KNOG.COM

[Knog Blinder Bike Light Quick Start Guide](#)

A concise quick start guide for the Knog Blinder series of bicycle lights, detailing initial charging, interface controls, strap fitment and interchangeability, mounting instructions, available light patterns, and warranty information.



Blinder Road 400 / 600
QUICKSTART GUIDE

[Knog Blinder Road 400 / 600 Quickstart Guide](#)

Quickstart guide for the Knog Blinder Road 400 and 600 bicycle lights, covering charging, fitment, cable clearance, and interface controls.

BLINDER R-150
QUICK START GUIDE



OPERATION

POWER BUTTON



LONG PRESS - ON/OFF
QUICK PRESS - CYCLES THROUGH ALL 9 MODES

CHARGING



RECHARGE BEFORE FIRST USE
THE R-150 REQUIRES USB TO BE FULLY CHARGED



WHEN PLUGGED IN TO CHARGE, THE RED LED INDICATES
THE R-150 IS CHARGING



GREEN LED INDICATES FULLY CHARGED

LOW BATTERY

WHEN IN USE, THE RED LED WILL APPEAR WHEN THE
BATTERY IS BELOW 10%



MOUNTING

MEASURE YOUR SEAT POST USING CALIPERS OR A SOFT
MEASURING TAPE
SELECT THE CORRECT SIZED STRAP
(THE PACK INCLUDES SMALL, MEDIUM & LARGE STRAPS)



PULL STRAP AROUND SEAT POST AND LATCH ON

MODES & RUNTIMES

MODE	LUMENS	RUNTIME
High	35	3.5hr
Peloton	2	30hr
Strobe	150	7.5hr
Impact	110	2.5hr
Beacon	85	6.5hr
Wave	90	4.5hr
Bounce	100	6.5hr
Burn	130	2.5hr
Eco	8	90hr

DESIGNED BY KNOG
MELBOURNE, AUSTRALIA

2 YEAR WARRANTY

KNOG.COM

[Knog Blinder R-150 Quick Start Guide](#)

A quick start guide for the Knog Blinder R-150 rear bike light, detailing its operation, charging instructions, mounting procedures, and various light modes with their respective runtimes.

SCOUT

QUICK
START
GUIDE



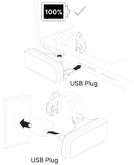
[Knog Scout Bike Alarm and Finder Quick Start Guide](#)

A comprehensive guide to setting up and using the Knog Scout Bike Alarm and Finder, including pairing, app integration, arming/disarming, and charging.



BLINDER V QUICK START GUIDE

RECHARGE BEFORE USE



INTERFACE A B C



A. Recharge Indicator
B. Power / Mode switch
C. Low Battery Indicator
Long press B to turn light on and off
Short press B to cycle between modes.

FITMENT

3 STRAP SIZES
INCLUDED



BLINDERS COME PRE-FITTED
TO CLASP WITH MEDIUM STRAP.
INTERCHANGEABLE
STRAP

Stretch strap to fit clasp

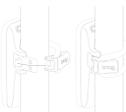


Place strap end over hook



Pull strap toward the light body

MOUNTING



1. Pull silicone strap around bar
2. Engage latch into hook

THE RANGE



KNOG.COM

WARRANTY INFORMATION

This light is guaranteed for 2 years against manufacturing defects only.

The battery is guaranteed for 6 months against manufacturing defects only. See the website for more details.

For more information go to
KNOG.COM

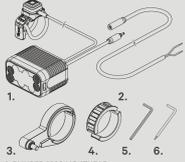
[Knog Blinder V Bike Light Quick Start Guide and Warranty](#)

Official quick start guide and warranty information for the Knog Blinder V series bike lights, including Blinder V Traffic and Blinder V Bolt models. Details product warranty coverage.





WHAT'S IN THE PACK



- 1. BLINDER 2300 LIGHTHEAD
- 2. 6-SPEK CABLE
- 3. BAR-MOUNT (PRE-INSTALLED)
- 4. SHIM (3 / 8MM / 10MM CHAM PRE-INSTALLED)
- 5. HEX KEY
- 6. TORX SCREWDRIVER



WARRANTY AND LIMITED LIABILITY ARE PROVIDED BY THE MANUFACTURER IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE WARRANTY. THE WARRANTY DOES NOT COVER THE LIGHT HEAD OR THE LIGHT HEAD MOUNTING POINTS. THE WARRANTY DOES NOT COVER THE LIGHT HEAD OR THE LIGHT HEAD MOUNTING POINTS.

PLEASE READ THE USER MANUAL CAREFULLY BEFORE USING THE LIGHT HEAD. THE USER MANUAL IS AVAILABLE ON THE WEBSITE [WWW.BLINDER.COM](http://www.blinder.com).

THE POWER CABLE MUST BE CONNECTED TO THE BATTERY PACK IN ACCORDANCE WITH THE INSTRUCTIONS ON HOW TO INSTALL THE POWER CABLE. THE POWER CABLE MUST BE CONNECTED TO THE BATTERY PACK IN ACCORDANCE WITH THE INSTRUCTIONS ON HOW TO INSTALL THE POWER CABLE.

CONTACT YOUR LOCAL DISTRIBUTOR FOR MORE INFORMATION. CONTACT YOUR LOCAL DISTRIBUTOR FOR MORE INFORMATION.

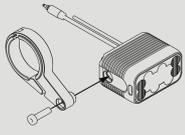
NOTE THAT NOT ALL DISTRIBUTORS HAVE THE SAME RANGE OF PRODUCTS. NOTE THAT NOT ALL DISTRIBUTORS HAVE THE SAME RANGE OF PRODUCTS.

TECHNICAL DATA

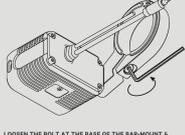
OUTPUT	2300 LUMEN
WATTAGE	20W
INPUT VOLTAGE	12V (5-14V) DC AC

MOUNTING

USE THE HEX KEY PROVIDED TO INSTALL THE MOUNT TO THE LIGHTHEAD (IN MOST CASES, THE LIGHTHEAD & BAR-MOUNT WILL BE PRE-INSTALLED).



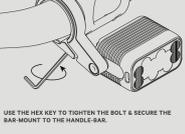
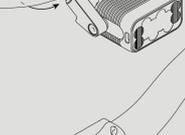
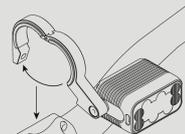
USE THE HEX KEY TO TIGHTEN THE BOLT & SECURE THE BAR-MOUNT TO THE LIGHTHEAD.



LOOSEN THE BOLT AT THE BASE OF THE BAR-MOUNT & SEPARATE AT THE HINGE.



ENSURE YOU HAVE INSTALLED THE CORRECT SIZED SHIM TO FIT YOUR HANDLE BAR.



USE THE HEX KEY TO TIGHTEN THE BOLT & SECURE THE BAR-MOUNT TO THE HANDLE BAR.

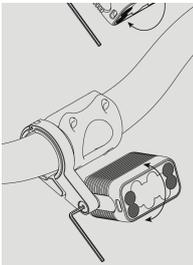
ADJUSTING THE BEAM ANGLE

USE THE HEX KEY TO LOOSEN THE BOLT & ROTATE THE LIGHTHEAD TO YOUR CHOSEN ANGLE.



Knog Blinder E 2300 E-Bike Light Quick Start Guide

A quick start guide for the Knog Blinder E 2300 E-bike light, covering installation, wiring, operation, and power scaling modes.



USE THE HEX KEY TO TIGHTEN THE BOLT & LOCK THE LIGHT AT THE CHOSEN ANGLE.

INSTALLATION & WIRING

KNOG RECOMMENDS THAT OUR BLINDER E-BIKE LIGHTS BE INSTALLED BY A PROFESSIONAL. THE DIAGRAM BELOW SHOWS THE POLARITY OF THE SUPPLIED E-BIKE CABLE & IS FOR GENERAL INFORMATION ONLY.

RED ⊕ POSITIVE

BLACK ⊖ NEGATIVE



BEFORE INSTALLATION ENSURE YOUR E-BIKE MOTOR HAS A LIGHT OUTPUT. DO NOT ATTEMPT TO CONNECT YOUR BLINDER E-BIKE LIGHT DIRECTLY TO YOUR E-BIKE BATTERY.

OPERATION

POWER BUTTON

SINGLE PRESS TO POWER ON OR OFF
DOUBLE PRESS TO TOGGLE BETWEEN STEADY & FLASHING MODES
QUICK PRESS TO ADVANCE TO NEXT MODE

POWER BUTTON



STATUS LED

THE STATUS LED WILL SHINE BLUE WHEN THE LIGHT IS IN HIGH MODE. FOR ALL OTHER MODES THE STATUS LED WILL SHINE GREEN.



POWER SCALING MODE



THE E-BIKE LIGHTING OUTPUT POWER CAPABILITY VARIES BETWEEN BRANDS AND MODELS. THE POWER SCALING MODE OFFERED ON KNOG BLINDER LIGHT HEADS ALLOWS THE MAXIMUM POWER REQUIREMENT OF THE LIGHT HEAD TO BE ADJUSTED TO MATCH THE CAPABILITIES OF THE E-BIKE.

TO ACCESS THE POWER SCALING MODE, FOLLOW THESE STEPS:

- STARTING WITH YOUR E-BIKE AND LIGHTING OUTPUT TURNED OFF, HOLD DOWN THE KNOG POWER BUTTON.
- TURN ON YOUR E-BIKE AND ITS LIGHT OUTPUT.
- RELEASE THE KNOG POWER BUTTON.
- IN POWER SCALING MODE, THE MAIN LEDS ON THE LIGHT HEAD WILL BE OFF, AND THE SELECTED POWER LEVEL WILL BE INDICATED BY THE FLASHING STATUS LED.
- A SHORT PRESS OF THE POWER BUTTON WILL TOGGLE THROUGH THE POWER LEVELS.

POWER LEVEL 1: 6W (1 FLASH GREEN)



POWER LEVEL 2: 9W (2 FLASHES GREEN)



POWER LEVEL 3: 12W (3 FLASHES GREEN)



POWER LEVEL 4: 14W (4 FLASHES BLUE)



LONG PRESS THE REMOTE POWER BUTTON
TO SAVE THE POWER LEVEL & EXIT POWER
SCALING MODE.

MODES

MODE	LOADING
High	2000 g/2000
Medium	1000
Low	500
Filter	500
Wash	500
Spin	600

*Note the table refers to outputs in Power Scaling Mode.

DESIGNED BY KNOG
MELBOURNE, AUSTRALIA

2 YEAR WARRANTY

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