

Ra Clicky™ Flashlight User's Guide

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November 9, 2008

Introduction

Congratulations on your purchase of the **Ra Clicky Flashlight**. We believe you will find your new Ra Clicky Flashlight the most versatile flashlight you have ever owned. Simple single-handed operation provides quick access to the 4 brightness settings allowing you to conveniently select the amount of light you need for any task. You can customize your flashlight for additional utility. Your flashlight can be used with both primary and rechargeable batteries. Your flashlight is built to provide years of reliable service with daily use.

Basic Operation

Press and release the recessed rubber button on the tail of your flashlight to turn on your flashlight. Your flashlight automatically turns on to the Primary brightness setting, which provides plenty of light for most tasks.

Press and hold the button while your flashlight is on to activate the High brightness setting. Release the button to return to the previous brightness setting.

Quickly press and release the button while your flashlight is on to turn off your flashlight.

Advanced Operation

We use the term “**click**” to indicate a quick press and release of the button. Think of it like a mouse click on your computer. The button must be released in less than 1/3 of a second to be recognized as a click. The term double-click means two clicks in rapid succession and triple-click means three clicks in rapid succession.

We use the term “**press-hold-release**” to indicate that the button should be held down for an extended period – longer than 1/3 of a second – to allow your flashlight to tell the difference between a click and a press-hold-release. We use the term “**press and hold**” to indicate you should continue to hold the button down until you are told to release it. A click press-hold-release is a click followed by the next press in quick succession. The same applies to a double-click press-hold-release and a triple-click press-hold-release.

You tell your flashlight what to do through a sequence of clicks and/or a press-hold-release. The commands are simple and easy to learn. It will take a few minutes of practice to become proficient with them.

From Off: these commands are available when your flashlight is turned off:

- Click – turns on your flashlight to the Primary brightness setting.
- Click, press-hold-release – turns on your flashlight to the High brightness setting.

From On: these commands are available when your flashlight is turned on:

- Click – turns off your flashlight.
- Double-click – toggles between the Primary and Secondary brightness settings or returns you to the last Primary or Secondary brightness setting used.
- Triple-click – goes to the Low brightness setting.
- Click, press-hold-release – goes to the High brightness setting.
- Press and hold – goes to the High brightness setting for as long as you hold down the button and then returns to the previous brightness setting when the button is released.

Note: your flashlight will turn on burst output whenever you select the High brightness setting. After 10 seconds of burst output, the output is automatically reduced to the one-hour output level. You can return to burst output for another 10 seconds by releasing the button and then pressing and holding the button again.

Please refer to the Ra Clicky Flashlight Customization Guide for detailed instructions on customizing your flashlight.

Low Battery Indication

Your light will momentarily turn off and then back on to half of the previous brightness level when the battery in your flashlight is unable to supply enough power to run the current brightness level. This process is repeated when needed as the battery is used up. After this process starts, your flashlight will double-blink once a minute to remind you that the battery needs to be changed. Selecting a brightness level below the current brightness level will extend the dying battery and turn off the dying battery reminder.

Your flashlight will start blinking once a second when the battery is no longer capable of powering any of the regular brightness levels.

Warning: continued use of a rechargeable battery after your flashlight begins blinking once a second will result in sudden darkness because your flashlight will eventually turn itself off to protect the battery.

Installing the Battery

Unscrew the battery compartment from the head and remove the old battery from the battery compartment. Insert the new battery into the battery compartment with the positive terminal out. Align the head and battery compartment, press them together to overcome the spring pressure and screw the battery compartment and head back together.

The light comes on dimly for two seconds following a battery change to indicate it is functioning correctly. If you do not see this indication when changing batteries, remove the battery for 60 seconds and try again.

Note: your flashlight protects rechargeable batteries from over-discharge under most conditions. However, we still recommend you use batteries with built-in over-discharge protection for an added level of safety.

Warning: only install fully charged rechargeable batteries. Using partially charged batteries may result in the batteries not being properly recognized as rechargeables. This can lead to the rechargeable batteries being over-discharged and damaged.

Caution: do not try unscrewing or removing the switch cap. Doing so may damage your flashlight.

Cleaning and Maintenance

Periodically clean the open end of the battery compartment, the threads and O-ring with a clean lint-free cloth lightly moistened with isopropyl alcohol. Apply a coat of non-conductive silicon or petroleum grease to these surfaces.

Replace the battery compartment O-ring if it becomes worn or damaged. The battery compartment O-ring is: 1.5mm x 20.5mm, 70 durometer Nitrile (Buna-N).

The recessed electrical contacts and interior threads can be cleaned using a lint-free swab lightly moistened with isopropyl alcohol. Recessed contacts and threads should be cleaned in a counter-clockwise direction to prevent snagging the swab. Be sure to remove any particles or fibers that may be left behind. Apply a coat of non-conductive silicon or petroleum grease to the interior threads.

The exterior can be cleaned with a mild soap and water. Rinse well and dry with a lint-free cotton cloth.

Additional Warnings

Warning: your flashlight on the higher brightness levels is very bright. You should avoid looking directly into the light as the light can be intense enough to injure your eyes.

Warning: a sudden total failure is unlikely but is still possible. We recommend you always carry a second light during critical situations (e.g., caving). We also recommend you carry enough spare batteries to cover your lighting requirements plus a reasonable safety margin. It is not necessary to start each trip with new batteries in your flashlight as long as you have spare batteries along.

Warning: do not recharge a rechargeable battery if you think it has been over-discharged or otherwise damaged. Dispose of the damaged battery immediately. An over-discharged or otherwise damaged battery can vent or explode when the battery is recharged or when the battery is subsequently used.

Warning: water – especially salt water – in the battery compartment will cause electrolysis, giving off hydrogen and oxygen – an explosive gas mixture. Electrolysis will also cause corrosion. If water gets inside of the battery compartment, immediately open the battery compartment, rinse the battery compartment and battery with fresh water and allow to completely dry.

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Warranty

Your Ra Clicky flashlight (Product) is warranted to be free from defects in materials and workmanship for the life of Product to the original owner. This warranty does not include cosmetic blemishes, damage, modifications and normal wear. We will repair Product, replace Product with an equivalent Product or refund the original purchase price for the defective Product – at our discretion. You are solely responsible for determining the Product's suitability for your application and you take sole responsibility for Product's use. In no case shall we be liable for more than the original purchase price of Product.

Specifications

Input voltage: 1.8V to 4.5V

Light source: high efficiency white LED

Light output: burst: 140 lumens, high: 100 lumens, secondary: 35 lumens,
primary: 12 lumens, low: 0.3 lumens

Runtimes: 1 hour on high setting, 10 hours on primary setting

Regulation: constant power regulation

Battery: 1 – IEC-CR17345, Li-MnO₂ 3.2V non-rechargeable,
Li-CoO₂ Li-ion 4.2V (3.7V nominal) rechargeable

Lens: ultra-clear glass with anti-reflective coatings

Housing: aerospace aluminum, military type III hard anodize, stainless steel bezel

Pocket clip, deep carry bezel up, MOLLE compatible, retaining

Waterproof: 20 meters (66 feet) – static

Dimensions: 25.5mm (1 inch) diameter by 95mm (3.75 inches) long

Weight: 90g (3.2 ounces) including batteries

Specifications are subject to change without notice.