

## QUARK QKA/2A MKIII FLASHLIGHT

### "CLICKY" INTERFACE AND OPERATION

QUARK lights have a "clicky" user interface – the light is controlled by clicking or pressing the tail cap switch to turn the light on or off.

A light "press" on the switch activates the light in momentary mode. A full "click" latches the light on or off.

### MODES AND MEMORY

When the light is on, change modes with a quick off/on cycle (less than 1 second).

Mode memory is a "hybrid" type that remembers the last setting, but reverts to mode 1 of the current configuration on the next mode change.

### USER PROGRAMMING

The QUARK has six user selectable configurations. Enter the configuration menu by cycling the light 10 times in less than 3 seconds. Use a momentary "press" (not a "click") when entering configuration mode. The light blinks a number of times equal to the configuration number selected. Cycling the button one time changes to the next configuration. Leaving the light off for 5 seconds saves the current configuration to memory.

### CONFIGURATIONS

- (1) High + Burst
- (2) Max / Strobe
- (3) Medium / High + Burst
- (4) Low / Medium / High + Burst
- (5) High / Medium / Low + Burst
- (6) L/M/H/Strobe/SOS/Beacon + Burst

Please Note: Configuration 2 does not have Burst mode because the default output is already 100%.

### MODES: QKA (QK2A)

Low (Moonlight) = 1.5 Lumens  
Medium = 40 (80) Lumens  
High = 150 (300) Lumens  
Max = 250 (500) Lumens  
Burst = 250 (500) Lumens  
SOS = International Distress Signal  
Strobe = 250 (500) Lumens @ 20Hz  
Beacon = 2 blinks every 5 seconds

### BURST MODE (100% OUTPUT)

Typically 100% output is not needed. Burst mode is a battery saving feature. If you do need full output, activate burst mode with two very quick cycles (<.25 seconds). Burst mode has no memory, so the light will return to the last saved mode.

The light maintains Burst Mode for 30 seconds and then ramps down to High mode over the next 30 seconds to prevent over heating.

### LOW BATTERY WARNING

The driver does not have a built in low battery warning. If the light dims, fails to activate, or begins to blink, the battery needs to be replaced/recharged.

*Best practice is to replace/recharge the battery before it is completely empty. Modern rechargeable batteries will last longer if you recharge them before they are fully depleted.*

Blinking is caused by the light powering on/off and may cause the light to accidentally enter the configuration menu and change the saved program.

### BATTERY INSTALLATION

The battery should be installed with the (+) terminal facing the head. NEVER install batteries backwards.

### BATTERY COMPATIBILITY

The best battery to use is the NiMH rechargeable provided with your flashlight. To purchase batteries and chargers, please visit the link at the bottom of the next page.

Alkaline batteries will power QUARK lights, however they release corrosive gas during discharge, are prone to leaking, and will eventually destroy the light.

*QUARK "A" series lights are NOT compatible with li-ion rechargeable batteries. Damage caused by alkaline or li-ion rechargeable batteries is NOT covered under warranty.*

#### MAINTENANCE

If the threads become dirty or gritty, clean them with a soft tissue and/or cotton swab. Reapply lubrication to the threads and o-ring to maintain smooth operation and prevent damage. If the o-ring dries out, it may tear when replacing batteries.

Spare o-rings are included with the QUARK. You probably won't need them, but if the main o-ring ever breaks or tears, you'll have a replacement on-hand.

#### SPECIFICATIONS

**Best Battery:** AA NiMH

**Alternate Battery:** AA Li Disposable

**Voltage Range:** 0.9V-3V

**Dimming:** Constant Current

**LED:** Nichia 319A (5000K)

**CRI (Color Rendering Index):** 80+

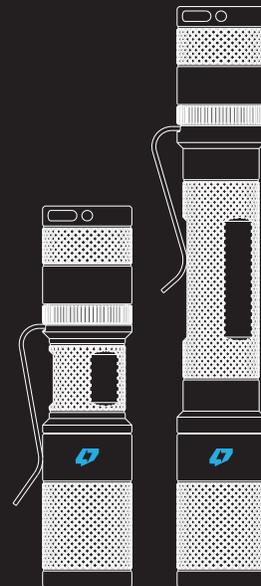
**Bump Protection:** software prevents accidental mode changes if dropped.

High performance NiMH rechargeable AA batteries are included with your light. They are recommended for your QUARK flashlight and every device in your house. Stop wasting money on disposables and make the switch! Purchase batteries and chargers at:

[www.darksucks.com/recharge](http://www.darksucks.com/recharge)



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**QUARK QKA/2A**  
**MKIII**