GPDesign PP13



Unscrew tail cap anti-clockwise to change batteries

Fitting batteries :

- 1. Make sure flashlight is off and unscrew the tail cap (A).
- 2. Remove old battery and install new battery in the correct polarity. Insert new battery according to the polarity indications (+) and (-) marked on the battery holder. Care to install the battery as described as failure to do this may cause damage to the flashlight.
- 3. Screw the tail cap back into place. The torch is now ready for use.

Operation :

Full pressing (B)	Light on (100%)> Light off
When light is On half press (B) to adjust brightness	Light on (100%)> Light on (15%) (the cycle repeats)
When light is On, leave for 5 seconds in chosen output to lock setting	Locks light output
Press (B) when flashlight off	The flashlight resets to high output when turned on again





Features :

- Light modes : 2 High / Low
- Focus : Easy one handed twist focus
- Body durable aircraft grade aluminum with hard wearing anodized protective coating
- Polarity protection and PWM regulation for accurate light output
- Handy pocket clip and anti-roll

Specifications :

Lumens	: 100lm / 15lm
Candela	: 450cd
Beam distance	: 40m
Runtime	: 1h 45min / 4h 15min
Waterproof	: IPX4
Impact resistant	: 2m
Battery	: 1 x AAA – Alkaline or NiMH
LED	: Cree XP-E2
Weighs	: only 33g without battery
Dimensions	: 97.5 x 16.2mm

Safety Instructions and Warnings

Intended Use of Product

Please read the full instructions before operating the product due to the possibility of risk as a result of the high luminosity. This product is to be used as a flashlight as directed by the instructions.

Safety Instructions

Keep product in safe location away from children. Do not swallow small parts. This product is not suitable for children and the instructions should be followed carefully to avoid injury.

- Use the device in a temperature range between -20 and 60°C and avoid exposure to direct heat and constant sunlight.
- Avoid exposure to moisture and / or high humidity.
- Avoid exposure to solvents and / or vapors.
- Avoid long term exposure to strong vibrations.
- Do not use in explosive atmospheres or other areas where there may be volatile gases.

Handling and Use of Product

- The device may not be used for eye examination (i.e. the pupil test). This could lead to permanent eye damage and medical help should be sought if light is shone in the eyes.
- Risk of lesions. Do not look directly into the light. Do not shine the light into eyes of people or animals.
- According to DIN EN 62471-1 the LEDs of this product correspond to risk group 2. Risk of blindness. The blue-light hazard by means of optical radiation (400....700nm) is the highest and most restrictive risk generated by this product.
- Do not cover product when in operation to avoid excessive heat accumulation.
- Do not bundle with other flashlights.
- Do not short circuit the product in any way.
- If the product is not being used for an extended period of time please remove the batteries from the device.

Maintenance and Repair

- Do not attempt to modify or repair product. All repairs must be carried out by authorized personnel.
- Use correct batteries for the product. Never use alkaline / non-rechargeable batteries and rechargeable batteries together.
- Store batteries / rechargeable batteries out of the reach of children.
- Never expose batteries / rechargeable batteries to temperatures over 60°C (e.g. direct sunlight or to open fire).
- Do not short-circuit batteries / rechargeable batteries.
- Do not use new (alkaline) or fully charged batteries (NiMH / Li-ion) with partially used or discharged batteries.
- If the product is not being used for an extended period of time please remove the batteries from the device.
- Dispose of batteries according to national guidelines.
- Do not use cleaning agents that may damage the product and clean with soft cloth to avoid scratches. The screw threads and contacts should be cleaned periodically to avoid dirt build up which may affect the product's intended function. Clean O-rings and periodically apply lubricant.

Batteries

Use 1 x 18650 battery with PCB protection. Failure to use high quality batteries with PCB protection may result in damage to the flashlight and battery.

Replacing battery

When changing batteries first switch off flashlight before removing tail cap (A) and installing new alkaline or NiMH batteries. Screw the tail cap when batteries have been correctly fitted according to prescribed polarity markings on the battery holder (+) and (-). Care should be taken that the batteries are installed in accordance to the battery polarity (see above)