Fitorch

MR15
USER MANUAL

The Fitorch MR15 is a rechargeable LED flashlight that features a CREE XP-L LED, 4 brightness levels (Turbo, High, Medium, & Low), Strobe function, Micro USB recharging, and compatibility with 5 different battery configurations. The MR15 is compatible with the following batteries:

- 1x - 3.7V 21700 Rechargeable Lithium-ion Battery
- 1x - 3.7V 20700 Rechargeable Lithium-ion Battery
- 1x - 3.7V 18650 Rechargeable Lithium-ion Battery
- 3x - 1.5V 'AAA' Alkaline Batteries - High Performance in Low Temperatures
- 2x - 3V CR123A Lithium Primary Batteries - High Performance in Low Temperatures

The light is designed for many uses including, but not limited to: Search & Rescue, Hunting, Law-Enforcement, Military, or Private Security

Caution

- Using "strobe" mode may cause seizures in individuals with photosensitive epilepsy.
- When the flashlight is operated for extended time, it will get uncomfortably warm. This is NORMAL and expected behavior and is not a defect.
- DO NOT use 2x - 16340 Lithium-ion batteries in the MR15 as they will damage the flashlight.
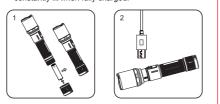- DO NOT use the Micro USB recharging functionality when using non-rechargeable batteries in the MR15 (3x - 'AAA' Alkaline Batteries or 2x - CR123A Lithium Primary Batteries) as this could cause damage to the flashlight and/or cause injury to the operator.

Features

- High-strength aerospace aluminum body
- Mil-Spec hard anodized for extreme durability
- Resists impact PMMA while providing high light transmittance levels
- Metal filmed reflector to create a high intensity beam
- Waterproof O-Ring seals
- Maximum output of 1,200 Lumens and 245-meter beam distance
- Side switch controls 4 illumination levels (Turbo, High, Medium, & Low) and Strobe mode.
- Mode Memory
- Hidden Micro USB port for recharging
- Four flush mounted LEDs to indicate charging status and battery level
- Compatible with 5 different battery configurations
- IPX-8 water resistance
- 2-meter impact resistance tested

ANSI Chart

FL 1 STANDARD	TURBO	HIGH	MEDIUM	LOW	STROBE
OUTPUT	1200LM	345LM	100LM	6LM	1200LM
RUNTIME	2.5h	7h	25h	229h	5h
INTENSITY	16,400cd				
DISTANCE	256m(Max)				
WATERPROOF	IPX-8				
IMPACT RESISTANCE	1m				

The above run time data in the ANSI chart was obtained in controlled conditions within the Fitorch laboratory using 1x - 21700 5000mAh Lithium-ion rechargeable battery. When using the MR15 in various temperatures and with other batteries, actual run times may vary.

Specification

- LED: CREE XP-L
- Power Input: DC 2.75V - 6.00V
- Light Output: Max 1,200 Lumens
- Reflector: Precision Metal Filmed
  Lens: Filmed Mineral Glass
  Body Material: Aluminum Alloy
- Body Finish: Premium Black Type-III Hard-Anodized Anti-Abrasive Finish
- Switches: Raise Side Switch & Flat Side Switch
- Powered By:
  1x - 3.7V 21700 Li-ion
  1x - 3.7V 20700 Li-ion
  1x - 3.7V 18650 Li-ion
  2x - 3V CR123A Lithium Primary
  3x - 1.5V 'AAA' Alkaline Batteries
- Physical Specifications:
  Width:
  Head: 1.38 in. / 35.07 mm
  Body: 1.00 in. / 25.4 mm
  Tail Cap: 1.10 in. / 28.12 mm
  Length: 6.02 in. / 153.31 mm
  Weight: 4.7 oz. / 131.6 g (excluding battery)

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- **Battery Load:**
  Rechargeable Lithium-ion & Lithium Primary Batteries: Insert the 1x - 21700, 1x - 20700, 1x - 18650, or 2x - CR123A batteries as illustrated.
  Alkaline Batteries: Load Three 'AAA' batteries into the included battery adapter and insert the pack with the positive spring-loaded contact towards the flashlight head.
- **Turning the MR15 on and off:** Fully depress and release the flat side switch to turn the light on. Click the switch again to turn the light off.
- **Lock Out and Unlock:**
  Lock Out: Unscrew the tail cap a ¼ turn to prevent the light from accidently turning on.
  Unlock: Re-tighten the tail cap to regain functionality of the light.
- **Changing Illumination Modes:** With the light turned on, single click the raised side switch. The light will cycle through the modes in the following order: Turbo - High - Medium - Low - Medium - High - Turbo
- **Direct Access to Turbo:** With the light turned off, press and hold the flat side switch. Release to turn off.
- **Tactical Strobe Modes:**
  Constant: With the light turned off, press and hold the raised side switch for 2-seconds. Press the raised side switch again to turn the light off.
  Momentary: With the light turned on, press and hold

the raised button. When you release the raised side switch, you are returned to the previous mode.

- **Power Level Detection:** When the MR15 is initially powered on, 4 green indicating LEDs next to the side switch will illuminate to indicate the current battery level. The LEDs will remain lit for two seconds before turning off. You can also half-press then flat side switch while the light is off to obtain the battery status. The LEDs indicate the battery level as follows:
  ▪ 4 LEDs - 100% Battery Power (Fully Charged)
  ▪ LEDs - 75% Battery Power Remaining
  ▪ 2 LEDs - 50% Battery Power Remaining
  ▪ 1 LED - Less than 25% Battery Power Remaining (LED will also flash)
- **Micro USB Recharging:** Twist the flashlight counter-clockwise until the Micro USB port is exposed. Connect the included Micro USB cable to a standard USB outlet. The Indicating LEDs next to the side switches will flash while charging and remain constantly lit when fully charged.

Power Tips

- Low power warning, when battery voltage is less than 3.4V, the indicating LEDs next to the side switch will blink slowly. When battery voltage is less than 3.0V, the indicating LEDs next to the side switch will blink rapidly.
- The MR15 also has a low power detection feature. If the battery capacity is less than 10% remaining, the light will automatically change to the lower brightness modes to avoid the battery being over discharged.

Accessories

- **Included:** Micro USB Cable, Wrist Lanyard, Belt Holster, & Spare O-Ring ring
- **Optional:** Battery and External Battery Charger

Battery

Rechargeable Li-on battery	1*21700	3.7V
Rechargeable Li-on battery	1*20700	3.7V
Rechargeable Li-on battery	1*18650	3.7V
Alkaline Batteries	3* AAA	1.5V
Lithium Primary Batteries	2* CR123A	3.0V

Store and maintenance

- Disassembling the sealed flashlight head will damage the light and void the warranty.
- High quality batteries are recommended.
- O-rings will wear out after long-term use. If you observe wear on the O-rings, change them with the included spare O-rings to maintain IPX-8 waterproof rating.
- Remove and securely store the batteries if the flashlight will not be used for a long period of time.
- Store and keep the flashlight away fire, extreme heat, static electricity, direct steam, and humid environments.
- Clean the body and lens with a soft fabric cloth.
- Lubricate threads and O-rings with silicone grease every 6 months.
- Periodic cleaning of battery contacts within the flashlight can maintain optimal flashlight performance. If the contacts become dirty, you may experience poor light performance or even failure to turn on. Clean the springs or contacts on the flashlight with a cotton swap soaked in isopropyl alcohol (rubbing alcohol). If after contacts are clean and you are experiencing performance issues with the light, the battery may be required to be replace per the compatible battery listing.

Warranty

- If you have any issues during the first 15 days of ownership, your local distributor or dealer will replace the malfunctioning light with a new one.
- If you experience issues after the initial 15 days, Fitorch will provide 60 months (5-years) of warranty service for free.
- If you experience issues after 60 months (5-years), Fitorch will provide you with repair service and only collect payment for the cost of replacement parts.

Unwarrantable

- Damage or disassembly of sealed flashlight head.
- Physical modifications to the flashlight.
- Destruction of the flashlight caused improper use.
- Damage to the flashlight caused by battery leakage.

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