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› TrustFire MC18 Rechargeable LED Headlamp User Manual

TrustFire MC18

TrustFire MC18 Rechargeable LED Headlamp User Manual

Model: MC18 (TF-MC12)

1. INTRODUCTION

Thank you for choosing the TrustFire MC18 Rechargeable LED Headlamp. This manual provides detailed instructions for the safe and efficient use of your headlamp. Please read it thoroughly before operation and retain it for future reference.

2. PRODUCT FEATURES

- **High Brightness & Multiple Modes:** Delivers up to 1200 lumens with a 115-meter beam distance. Features 5 lighting modes: High, Medium, Low, Candle Light, and Strobe.
- **Mode Memory Function:** The headlamp remembers the last used lighting mode for convenience.
- **Durable & Waterproof:** Constructed from aluminum alloy, IP68 waterproof rating, and tested for 1-meter drop resistance.
- **Multifunctional Design:** Can be used as a headlamp with the included headband or as a handheld flashlight with a detachable pocket clip.
- **Magnetic Base:** Equipped with a strong magnetic base for hands-free attachment to metal surfaces, ideal for repair work.
- **Adjustable Head:** The light head can be adjusted 180 degrees to direct illumination precisely where needed.
- **Rechargeable:** Features magnetic USB charging for easy power replenishment.

3. PACKAGE CONTENTS

Please check the package for the following items:

- TrustFire MC18 Headlamp
- Rechargeable Lithium-Ion Battery

- Headband
- Magnetic USB Charging Cable
- Detachable Pocket Clip
- Spare O-rings
- User Manual



Image: TrustFire MC18 Headlamp and its included accessories, including the headlamp unit, headband, charging cable, and battery.

4. SETUP

4.1 Battery Installation

1. Unscrew the tail cap of the headlamp.
2. Insert the rechargeable lithium-ion battery with the positive (+) end facing towards the head of the lamp.
3. Screw the tail cap back on tightly to ensure waterproof sealing.

4.2 Attaching the Headband

1. Slide the headlamp unit into the rubber mount on the headband.
2. Adjust the elastic straps of the headband to fit comfortably around your head.
3. The headlamp can be rotated 180 degrees within the mount to adjust the beam angle.



Image: The TrustFire MC18 headlamp comfortably worn on a person's head, demonstrating its primary use.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

- Press and hold the power button for approximately 0.8 seconds to turn the headlamp on or off.

5.2 Changing Modes

- With the headlamp on, short press the power button to cycle through the modes: High → Medium → Low → Candle Light.
- The headlamp will remember the last used mode when turned off and on again.

5.3 Strobe Mode

- From any mode (or off), double-click the power button to activate Strobe mode.
- Short press again to return to the previous mode or turn off.



Image: Illustration of the 5 lighting modes (High, Medium, Low, Candle Light, Strobe) available on the TrustFire MC18 headlamp.

5.4 Magnetic Attachment

- The tail cap of the headlamp contains a strong magnet. Attach it to any ferrous metal surface for hands-free illumination.



Image: The TrustFire MC18 headlamp attached to a car fender via its magnetic base, demonstrating hands-free use for tasks like vehicle maintenance.

5.5 Adjustable Head

- When mounted on the headband, the headlamp unit can be tilted up to 180 degrees to adjust the beam angle.



Image: A person running with the TrustFire MC18 headlamp, illustrating the 90-degree adjustable head feature for directing light.

6. CHARGING

1. Connect the magnetic end of the charging cable to the charging port on the head of the lamp.
2. Connect the USB-A end of the cable to a compatible USB power source (e.g., wall adapter, power bank, computer USB port).
3. The indicator light on the headlamp will show red during charging and turn green when fully charged.



Image: The TrustFire MC18 headlamp connected to its magnetic USB charging cable, showing the red indicator for charging and green for full charge. Various USB power sources are depicted.

6.1 Power Indicator

The power indicator light provides battery status:

- Green: 50%-100% battery remaining
- Yellow: 20%-50% battery remaining
- Red: 5%-20% battery remaining
- Flashing Red: 0%-5% battery remaining (recharge immediately)



Image: Visual representation of the smart power indicator, showing different colors (green, yellow, red, flashing red) corresponding to battery charge levels.

7. MAINTENANCE

- **Cleaning:** Wipe the headlamp with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **O-rings:** Regularly inspect the O-rings for wear and tear. Replace them if damaged to maintain the IP68 waterproof rating. Apply silicone grease to O-rings periodically.
- **Threads:** Keep the threads of the tail cap clean and lubricated.
- **Battery Care:** If storing the headlamp for an extended period, remove the battery to prevent leakage. Recharge the battery every 3-6 months to prolong its lifespan.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Headlamp does not turn on.	Battery is dead or incorrectly installed.	Recharge the battery or ensure it is inserted with the correct polarity (+ towards head).
Light output is dim or flickers.	Low battery. Loose connections. Dirty contacts.	Recharge the battery. Tighten the tail cap. Clean battery and headlamp contacts with a cotton swab.
Headlamp gets hot during use.	Normal operation at high brightness levels.	This is normal for high-power LEDs. If it becomes excessively hot, switch to a lower mode.
Water ingress.	Tail cap not tightened. Damaged O-rings.	Ensure tail cap is fully tightened. Inspect and replace O-rings if damaged.
Magnetic charging not working.	Charging cable or port is dirty/damaged. Power source issue.	Clean the magnetic contacts on both the cable and the headlamp. Try a different USB power source.

9. SPECIFICATIONS

Model	MC18 (TF-MC12)
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Light Source	LED
Maximum Brightness	1200 Lumens
Beam Distance	115 Meters
Power Source	Rechargeable Lithium-Ion Battery
Material	Aluminum Alloy
Water Resistance	IP68
Dimensions (L x W x H)	11.2 x 9.9 x 5.2 cm
Weight	81 Grams
Special Features	Magnetic Base, 180-degree Tilt Design
Recommended Uses	Camping, jogging, hiking, fishing, repair work



Image: Diagram illustrating the lumen output, runtime, and beam distance capabilities of the headlamp.

10. WARRANTY AND SUPPORT

TrustFire products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please contact TrustFire customer service through the retailer where the product was purchased or visit the official TrustFire website.

Manufacturer: TrustFire

Official Website: www.trustfire.com