



# NITECORE USB-C Rechargeable Ultra Compact Flashlight User Manual

[Home](#) » [Nitecore](#) » NITECORE USB-C Rechargeable Ultra Compact Flashlight User Manual 

## Contents

- [1 NITECORE USB-C Rechargeable Ultra Compact Flashlight User Manual](#)
- [2 Warranty Service](#)
- [3 Features](#)
- [4 Specifications](#)
- [5 Accessories](#)
- [6 Battery Options](#)
- [7 Technical Data](#)
- [8 Battery Installation](#)
- [9 Operating Instructions](#)
  - [9.1 Battery Installation](#)
  - [9.2 Charging Function](#)
  - [9.3 On / Off](#)
  - [9.4 Brightness Levels](#)
  - [9.5 Power Indication](#)
- [10 Maintenance](#)
- [11 Documents / Resources](#)
  - [11.1 References](#)
- [12 Related Posts](#)

## NITECORE USB-C Rechargeable Ultra Compact Flashlight User Manual

Model: MH11



- Ultra Compact and Lightweight
- Patented ATR Technology
- Patented Power Indicator

## Warranty Service

**All NITECORE®** products are warranted for quality.

Any DOA / defective product can be exchanged for a replacement through a local distributor/dealer within 15 days of purchase. After that, all defective / malfunctioning

**NITECORE®** products can be repaired free of charge within 60 months from the date of purchase. Beyond 60 months, a limited warranty applies, covering the cost of labor and maintenance, but not the cost of accessories or replacement parts.

The warranty will be nullified if

1. the product(s) is/are broken down, reconstructed and/or modified by unauthorized parties;
2. the product(s) is/are damaged due to improper use; (e.g. reversed polarity installation)
3. the product(s) is/are damaged due to battery leakage.

For the latest information on **NITECORE®** products and services, please contact a local **NITECORE®** distributor or send an email to **service@nitecore.com**

❖ All images, text and statements specified herein this user manual are for reference purpose only. Should any discrepancy occur between this manual and information specified on [www.nitecore.com](http://www.nitecore.com), **Sysmax Innovations Co., Ltd.** reserves the rights to interpret and amend the content of this document at any time without prior notice.

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## Features

- Utilizes a CREE XP-L2 V6 LED with a max output of 1,000 lumens
- Max peak beam intensity of 9,150cd and max throw of 190 meters
- An optical system combined with crystal coating and “Precision Digital Optics Technology” (PDOT)
- Highly efficient constant current circuit provides a stable output of up to 250 hours
- NITECORE 18650 Li-ion battery included (NL1826 2,600mAh)
- Intelligent Li-ion battery charging circuit with a USB-C port
- The tail switch controls 4 brightness levels
- A power indicator on the side indicates the remaining battery power (Patent No. ZL201220057767.4)
- Incorporated Advanced Temperature Regulation (ATR) module (Patent No. ZL201510534543.6)
- Optical lenses with double-sided scratch resistant coating
- Constructed from aero grade aluminum alloy
- HA III military grade hard-anodized finish
- Waterproof and dustproof rating in accordance with IP68 (2 meters submersible)
- Impact resistant to 1 meter
- Tail stand capability

## Specifications

- Length: 128.3mm (5.05")
- Head Diameter: 24mm (0.95")
- Tail Diameter: 24mm (0.95")
- Weight: 60.5g (2.13oz)

## Accessories






- NITECORE 18650 Rechargeable Li-ion Battery (NL1826 2,600mAh),
- Clip,
- Lanyard,
- Holster,
- USB-C Charging Cable,
- Spare O-ring

## Battery Options

|                                   | Type   | Nominal Voltage | Compatibility   |
|-----------------------------------|--------|-----------------|-----------------|
| 18650 Rechargeable Li-ion Battery | 18650  | 3.6V/3.7V       | Y (Recommended) |
| Primary Lithium Battery*          | CR123  | 3V              | Y (Compatible)  |
| Rechargeable Li-ion Battery*      | RCR123 | 3.6V/3.7V       | Y (Compatible)  |

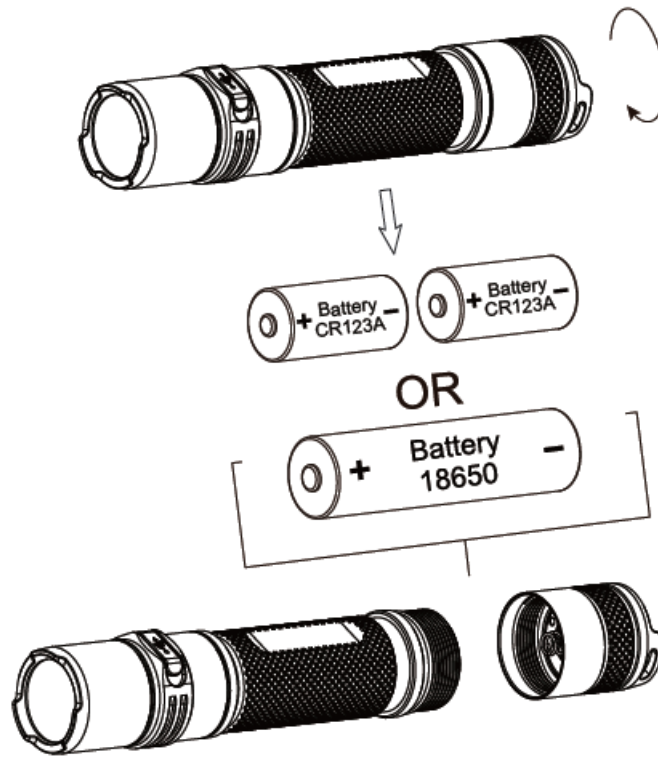
**Note:** DO NOT attempt to use the MH11 to charge CR123/ RCR123 batteries.

## Technical Data

| FL1 STANDARD  | TURBO                                 | HIGH       | MID       | LOW      |
|---|---------------------------------------|------------|-----------|----------|
|    | 1,000 Lumens                          | 230 Lumens | 50 Lumens | 3 Lumens |
|    | 2h 15min                              | 4h 15min   | 20h 45min | 250h     |
|   | 190m                                  | 91m        | 40m       | 10m      |
|  | 9,150cd                               | 2,100cd    | 415cd     | 26cd     |
|  | 1m (Impact Resistance)                |            |           |          |
|  | IP68, 2m (Waterproof and Submersible) |            |           |          |

**Note:** The stated data is measured in accordance with the international flashlight testing standards ANSI/PLATO FL 1-2019, using 1 x 18650 Li-ion battery (2,600mAh) under laboratory conditions. The data may vary in real world use due to different battery usage or environmental conditions.

## Battery Installation



## Operating Instructions

### Battery Installation

Insert the battery(s) as illustrated and screw to tighten the tail cap.

#### Warnings:

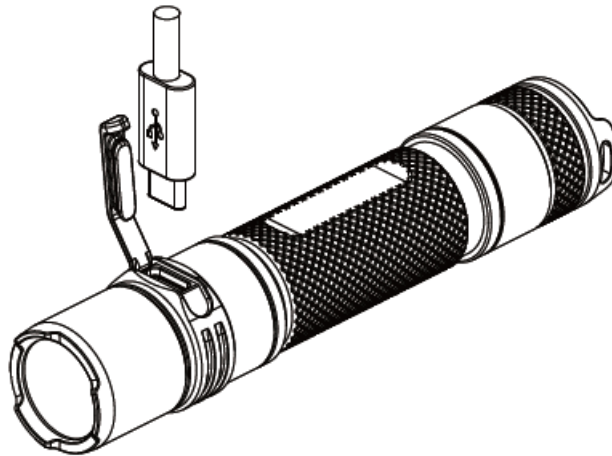
1. Ensure the battery(s) is/are inserted with the positive end towards the head. The product will not work if the battery(s) is/are incorrectly inserted.
2. CAUTION! Possible dangerous radiation! Don't look into the light! May be dangerous for your eyes.
3. When the power level is low, please stop using the product and replace or recharge the battery to prevent damage to the battery.
4. When the product is kept in a backpack or left unused for prolonged time, please remove all batteries to prevent accidental activation or battery leakage.

### Charging Function

The MH11 is equipped with an intelligent charging system. As illustrated, after inserting the battery and tightening the tail cap, use the USB cable to connect an external power supply (e.g. a USB adapter or other USB charging devices) to the charging port to begin the charging process.

- During the charging process, the blue power indicator will flash slowly to inform the user.
- When the battery is fully charged, the MH11 will cease the charging process and the power indicator will become constantly turned on to inform the user.
- When the light is on, connecting to a power source will automatically turn the light off. The light will return to its previous status when it is disconnected from the power source.

- It is recommended to press the Tail Switch before the charging process to increase the charging power. In this way, the charging time for an 18650 Li-ion battery (2,600mAh) is approx. 2 hours 15 minutes. (Charged via the 5V/2A adapter)



## **On / Off**

**On:** When the light is off, press the Tail Switch until a click sound is heard to turn it on.

**Off:** When the light is on, press the Tail Switch until a click sound is heard to turn it off.

## **Brightness Levels**

When the light is on, half press the Tail Switch to cycle through the following brightness levels: LOW – MID – HIGH – TURBO.

(The MH11 has memory function. When reactivated, the flashlight will automatically access the previous memorized brightness level.)

## **Power Indication**

When the light is on and the power level is close to 50%, the power indicator will flash every 2 seconds to inform the user.

When the light is on and the power is close to depleted, the power indicator will flash quickly and continuously to inform the user. The batteries should be replaced when the output appears to be dim or the flashlight becomes unresponsive due to low power.

## **ATR (Advanced Temperature Regulation)**

The integrated ATR technology regulates the output of the MH11 according to the working condition and ambient environment to maintain the optimal performance.

## **Maintenance**

Every 6 months, threads should be wiped with a clean cloth followed by a thin coating of silicon-based lubricant.

Thanks for purchasing **NITECORE**

## **Documents / Resources**



[NITECORE USB-C Rechargeable Ultra Compact Flashlight](#) [pdf] User Manual  
USB-C Rechargeable Ultra Compact Flashlight, MH11

References

- [N NITECORE](#)
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