NITECORE MH40S Lang Range Flashlight User Manual

Contents

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NITECORE MH40S Lang Range Flashlight

Features

- Utilizes a Luminengin G9 LED with a max output of 1,500 lumens
- Max peak beam intensity of 570,000cd and max throw of 1,500 meters
- An optical system combined with crystal coating and "Precision Digital Optics Technology" (PDOT)
- Powered by 2 x 21700 high capacity Li-ion batteries to provide a runtime up to 105 hours
- Equipped with the low power vibration indication
- The tactical tail switch and the mode button control 4 brightness levels and 3 special modes
- STROBE Mode uses randomly changing frequencies for stronger dizzying effects
- A power indicator beneath the mode button indicates the remaining battery power
- Intelligent Li-ion battery charging circuit with a USB-C charging port
- NITECORE 21700 Li-ion batteries included (NL2150 5,000mAh)
- Highly efficient constant current circuit provides a stable output
- 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

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**, 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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Tianhe District, Guangzhou, 510653,
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Please find us on facebook : NITECORE Flashlight
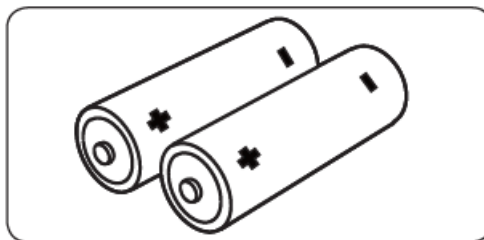**Thanks for purchasing NITECORE!**
MH150740S22

Specifications

- **Length:** 256mm (10.08″)
- **Head Diameter:** 65mm (2.56″)
- **Tube Diameter**: 25.8mm (1.02″)
- **Tail Diameter:** 27.2mm (1.07″)
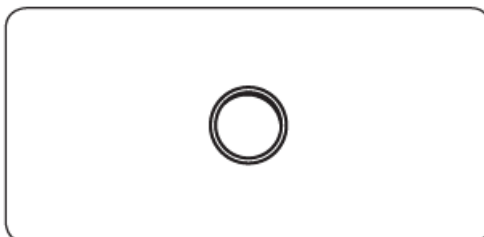- **Weight:** 245.8g (8.67 oz)

Accessories

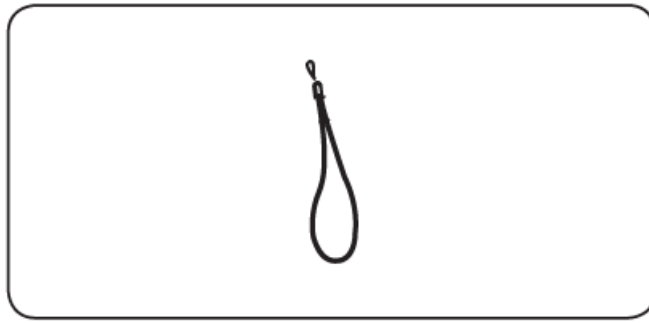1. NITECORE 21700 Rechargeable Li-ion Batteries x 2 (NL2150 5,000mAh)
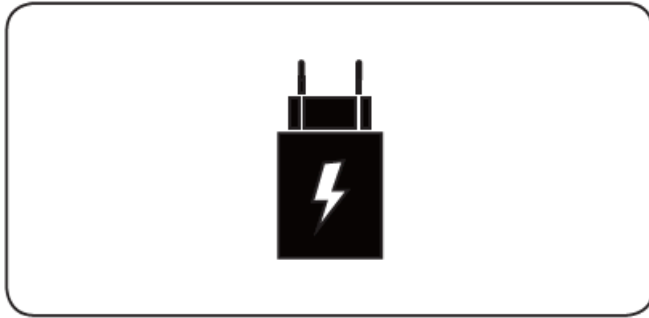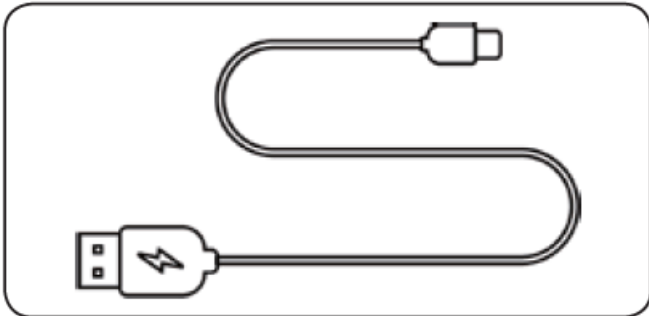

2. Spare O-ring

3.

4. Lanyard

5. QC Adapter
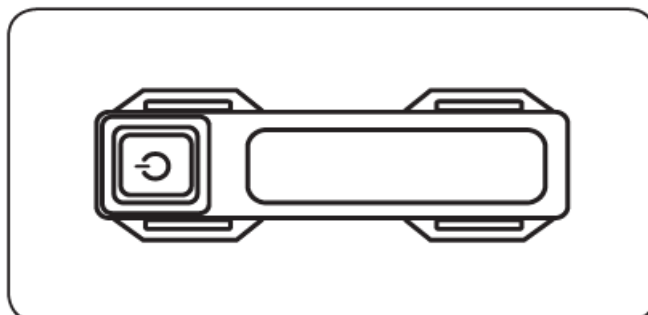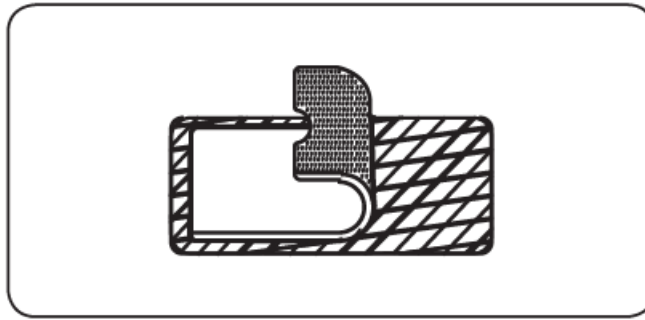

6. USB-C Charging Cable

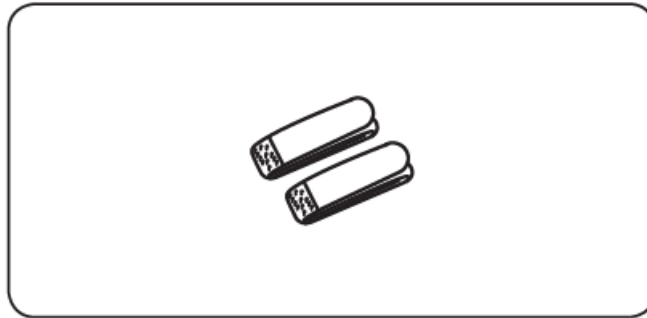7. Holster

8. Wireless Remote Switch Set

- Wireless Remote Switch

- Hook-and-loop Fastener

- Hook-and-loop Straps x 2

- Picatinny Rail Mounts x 2 (optional)

Battery Options

	Type	Nominal Voltage	Compatibility
21700 Rechargeable Li-ion Battery	21700	3.6V/3.7V	Y (Recommended)
18650 Rechargeable Li-ion Battery	18650	3.6V/3.7V	N (Incompatible)
Primary Lithium Battery*	CR123	3V	N (Incompatible)
Rechargeable Li-ion Battery*	RCR123	3.6V/3.7V	N (Incompatible)

Note: DO NOT attempt to use the MH40S to charge CR123/RCR123 batteries.

Technical Data

FL1 STANDARD	TURBO	HIGH	MID	LOW	STROBE	BEACON	SOS
☀	1,500 Lumens	500 Lumens	150 Lumens	18 Lumens	1,500 Lumens	1,500 Lumens	1,500 Lumens
🕐	3h 15min	7h 15min	25h	105h	—	—	—
◣	1,500m	860m	450m	150m	—	—	—
◉	570,000cd	186,000cd	51,000cd	5,800cd	—	—	—
✓	1m (Impact Resistance)						
〜	IP68, 2m (Waterproof and Submersible)						

Charging Function
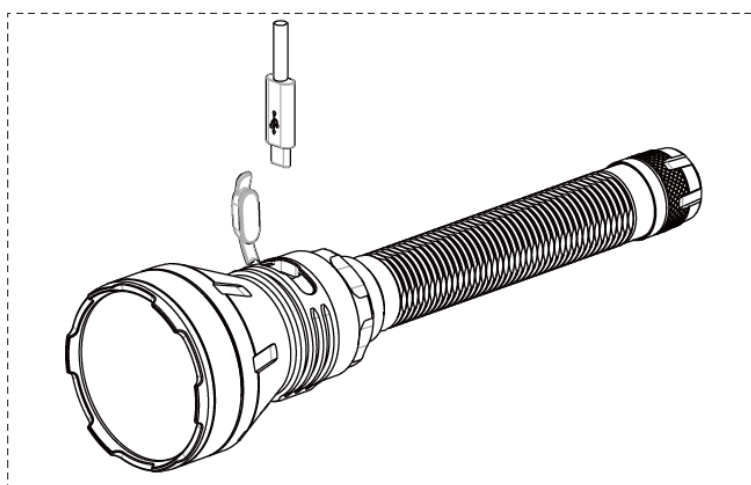
Operating Instructions

Wireless Remote Switch

Button A

Button B
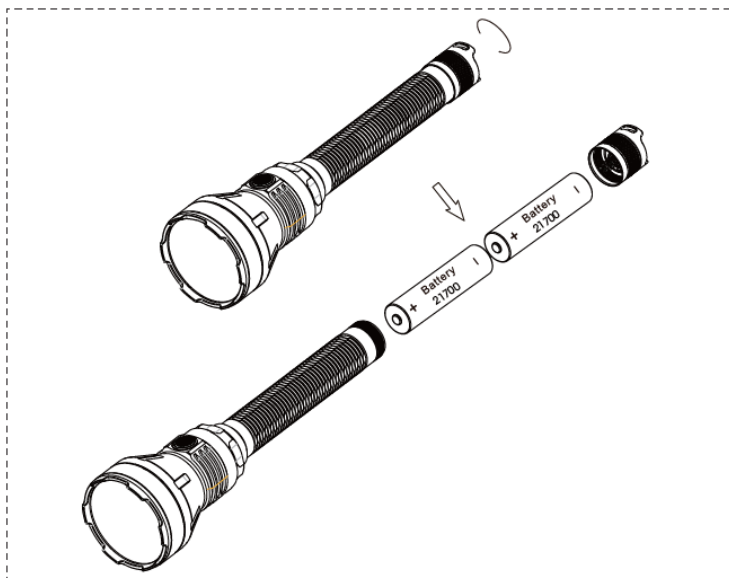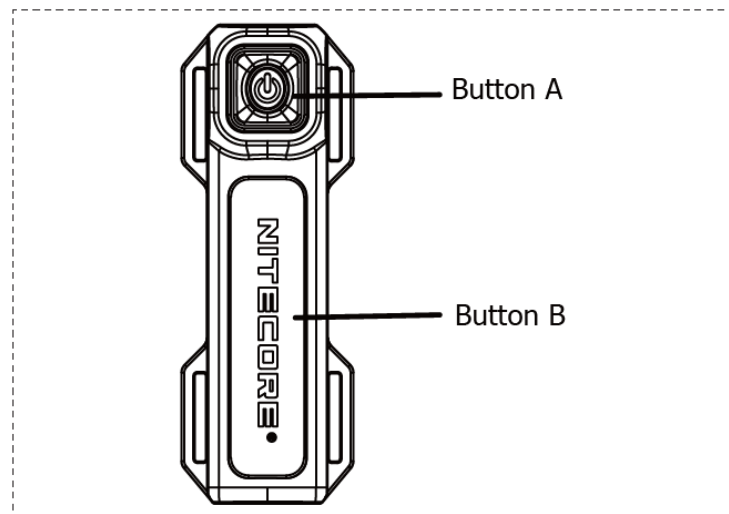
Charging Function

The MH40S is equipped with an intelligent charging system. As illustrated, after inserting the batteries and tightening the tail cap, pull out the rubber cover and use the USB cable to connect an external power supply (e.g. a USB adapter or other USB charging devices) to the charging port. Then press the Tail Switch to begin the charging process.

- During the charging process, the power indicator beneath the Mode Button will flash slowly to inform the user.
- When a problem is detected during the charging process (the flashlight is off / the batteries are damaged / the battery type is wrong), the MH40S will automatically cease the charging process and the power indicator will be off or flash quickly to inform the user.
- When the batteries are fully charged, the MH40S will cease the charging process and the power indicator will become steadily 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 automatically turn on when it is disconnected from the power source.
- The charging time for two 21700 Li-ion batteries (5,000mAh) is approx. 2 hours 45 minutes. (Charged via the 12V/1.5A QC adapter)

Note:

1. The Tail Switch must be turned on during the charging process.
2. DO NOT charge batteries of other types or brands.

Operating Instructions

Battery Installation / Removal

As illustrated, after unscrewing the battery cap, insert / remove the batteries and screw to tighten the battery cap.

Warnings:

1. Ensure the batteries are inserted with the positive end towards the head. The product will not work if the batteries 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 batteries to prevent damage to the batteries.
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.

Tactical Momentary Illumination

When the light is off, half press and hold the Tail Switch to turn on the light momentarily. Release to turn it off.

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.
(The MH40S has a memory function. When reactivated, the flashlight will automatically access the previous memorized brightness level or STROBE Mode.)

Brightness Levels

When the light is on, short press the Mode Button to cycle through the following brightness levels: LOW – MID – HIGH – TURBO.

Special Modes (STROBE / BEACON / SOS)

When the light is on, keep holding the Mode Button to cycle through the following special modes: STROBE – BEACON – SOS. Release to select the desired special mode. Short press the Mode Button to return to the previous status; or press the Tail Switch to turn off the light.

Wireless Remote Switch

The MH40S is equipped with a specialized Wireless Remote Switch, which enables it to be controlled wirelessly. After pairing, the buttons on the Wireless Remote Switch have the same functions as those on the flashlight. The pairing is preset in the factory.

- The Wireless Remote Switch is powered by 1 x 3V CR1632 button cell battery which enables approx. 4,000 presses. The standby time is approx. 12 months for a new battery.
- The maximum signal range between the flashlight and the Wireless Remote Switch is 1m (39.37″) when there are no obstacles blocking the path.
- To replace the button cell battery, remove the battery cap of the Wireless Remote Switch with a fingernail or a key.

Please follow the steps below if you need to re-pair the Wireless Remote Switch with the flashlight.

1. After inserting the batteries and tightening the tail cap, short press the Tail Switch while holding the Mode Button for 5 seconds, the light will flash quickly to indicate the access to the pair pending status.
2. When the flashlight accesses the pair pending status, press both Button A and Button B of the Wireless Remote Switch until the flashlight becomes steadily turned on.

Note:

1. If the flashlight is turned on after accessing the pair pending status, it will automatically exit the status.
2. Make sure the distance between the flashlight and the Wireless Remote Switch is within 1m during the pairing process.

3. Replace or recharge the batteries when the battery power of the flashlight is low. Changing batteries does not remove the pairing between the flashlight and the Wireless Remote Switch.

On / Off
Only when the MH40S is turned on can it be connected and controlled with the

Wireless Remote Switch.
On: When the light is off, full press the Button A to turn it on.
Off: When the light is on, full press the Button A to turn it off.

Note: When the light is off, the power indicator beneath the Mode Button will flash every 5 seconds to inform the user that the Wireless Remote Switch has been paired with the flashlight. If there is no operation in 2 hours, the Wireless Remote Switch will automatically disconnect from the flashlight.

Brightness Level Adjustment
When the light is on, half press the Button A to cycle through the following brightness levels: LOW – MID – HIGH – TURBO.

Accessing TURBO Mode
When the light is on, press and hold the Button B to access TURBO. Release to return to the previous status.

Accessing Special Modes
When the light is on, half press and hold the Button A to access STROBE. Then half press the Button A to cycle through the following special modes: STROBE – BEACON – SOS.

WARNING
THIS PRODUCT CONTAINS A BUTTON BATTERY
If swallowed, a lithium button battery can cause severe or fatal injuries within 2 hours.
Keep batteries out of reach of children.
If you think batteries may have been swallowed or placed inside any part of the body, seek immediate medical attention.

Power Indication

- When the light is off, press the Tail Switch while holding the Mode Button and then quickly release both buttons to access Power Indication. The power indicator beneath the Mode Button will flash to show the remaining battery power. Once the flashing stops, the flashlight will turn on.
- Flashing 3 times indicates that the power is no less than 50%.
- Flashing 2 times indicates that the power is below 50%.
- Flashing 1 time indicates that the power is below 25%.

Low Power Vibration Indication
When the light is on and the remaining power is below 10%, the MH40S will vibrate every 10 seconds to inform the user.

ATR (Advanced Temperature Regulation)
The integrated ATR technology regulates the output of the MH40S according to the working condition and ambient environment to maintain the optimal performance.

Changing Batteries
The batteries should be replaced when the output appears to be dim or the flashlight becomes unresponsive due to low power.

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

Documents / Resources

NITECORE MH40S Lang Range Flashlight [pdf] User Manual
MH40S Lang Range Flashlight, MH40S, Lang Range Flashlight