

Nitecore nitecore-mh40-pro

Nitecore MH40 PRO Ultra Bright Long Range Hunting Flashlight User Manual

Model: MH40 PRO

INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of your Nitecore MH40 PRO Ultra Bright Long Range Hunting Flashlight. Please read this manual thoroughly before operation to ensure optimal performance and longevity of your device.



Figure 1: Nitecore MH40 PRO Flashlight with included accessories. This image shows the flashlight, the NBP100R battery, USB-C charging cable, remote switch, and holster.

PRODUCT OVERVIEW AND FEATURES

The Nitecore MH40 PRO is a high-performance flashlight designed for long-range illumination, featuring a UHi 40 MAX LED and advanced optical system. It is suitable for various activities including search, patrolling, caving, and search and rescue operations.

- **Max Output:** 3,500 Lumens
- **Max Beam Distance:** 1,300 Meters
- **Max Beam Intensity:** 423,000 cd
- **Max Runtime:** 62 hours
- **LED:** NiteLab UHi 40 MAX LED
- Equipped with a NITECORE NBP100R rechargeable Li-ion battery pack (10,000mAh).
- Features a USB-C charging port.
- Includes a wireless remote switch for versatile control.
- IP68 rated for waterproof and dustproof performance.



Figure 2: The MH40 PRO flashlight shown with its wireless remote switch, highlighting its long-range capability.

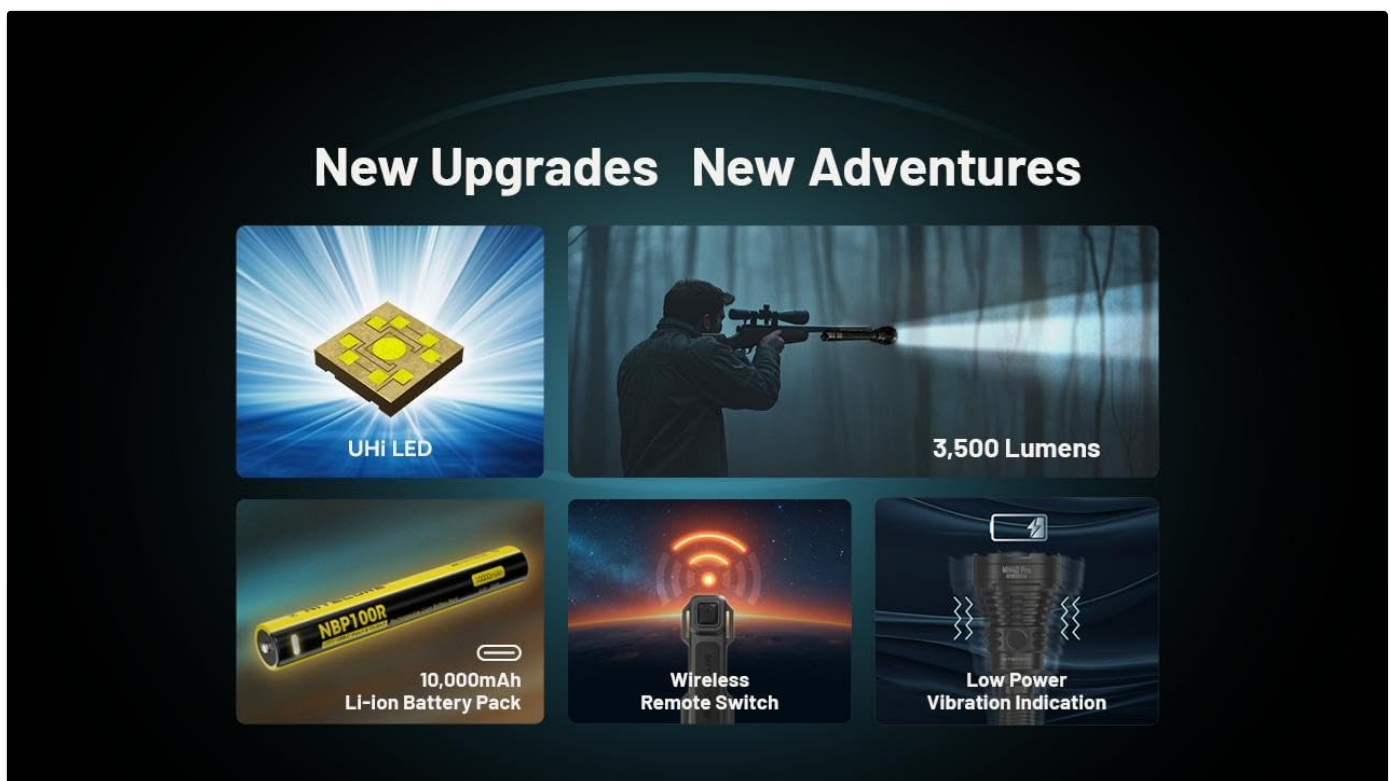


Figure 3: Visual representation of key upgrades including UHi LED, 3,500 lumens output, 10,000mAh Li-ion battery pack, wireless remote switch, and low power vibration indication.

SETUP

1. Battery Installation and Charging

The MH40 PRO comes with a NITECORE NBP100R rechargeable Li-ion battery pack. This battery pack fits snugly inside the flashlight and can also serve as an emergency power supply.

1. Unscrew the tail cap of the flashlight.

2. Insert the NBP100R battery pack with the positive (+) terminal facing towards the head of the flashlight.
3. Screw the tail cap back on securely.
4. To charge, connect the USB-C charging cable to the port on the battery pack (accessible when removed from the flashlight) or directly to the flashlight's charging port if available (information suggests battery pack has the port). Connect the other end to a USB power source.
5. The power indicator beneath the mode button will flash to show charging status.

The MH40 PRO can also be powered by two 21700 batteries (not included) as an alternative power supply.



10000mAh Battery Pack

62h Extended Runtime

A NITECORE NBP100R rechargeable Li-ion battery pack is included that fits snugly without rattling inside the flashlight. Equipped with a USB-C charging port, it can also double as an emergency power supply.

Flexible Battery Option
Compatible with 2 x 21700 batteries

Figure 4: The NBP100R 10,000mAh Li-ion battery pack, which provides extended runtime and features a USB-C charging port.

2. Wireless Remote Switch Setup

The included wireless remote switch provides convenient control of the flashlight. It can be attached using various methods:

- **Hook-and-Loop Fastener:** Stick the wireless remote switch on any desired surface.
- **Picatinny Rail Mounts (Optional):** The remote switch can be easily mounted on a Picatinny rail for tactical use.
- **Hook-and-Loop Straps:** Fasten the wireless remote switch flexibly to various objects.



Figure 5: Demonstrates the various ways to attach the wireless remote switch, including hook-and-loop fastener, Picatinny rail mounts, and hook-and-loop straps.

OPERATING INSTRUCTIONS

1. Basic Operation

- **Turning On/Off:** Use the tail switch. A light press provides momentary-on, while a full press provides constant-on.
- **Brightness Levels:** While the flashlight is on, short press the mode button to cycle through brightness levels (Low, Mid, High, Turbo).
- **Mode Memory:** The flashlight features an intelligent mode memory function, automatically accessing the previously memorized brightness level or STROBE Mode (SOS and BEACON excluded) when reactivated.

2. Special Modes

- **STROBE Mode:** This mode uses randomly changing frequencies for stronger dizzying effects. Refer to the product specifications for activation.
- **SOS Mode:** For emergency signaling.
- **BEACON Mode:** For location signaling.

3. Power Indication

- A power indicator beneath the mode button flashes to show the remaining battery power.
- The flashlight vibrates every 10 seconds when the battery falls below 10%, reminding users to recharge timely.

4. Advanced Temperature Regulation (ATR)

The MH40 PRO incorporates an Advanced Temperature Regulation (ATR) module. This module adjusts the output performance according to the internal temperature of the flashlight, ensuring optimal performance and preventing overheating.



Figure 6: Illustration of the highly efficient constant current circuit (non-PWM) which provides a stable and comfortable visual experience without flashing.

MAINTENANCE

1. Cleaning

- Regularly clean the threads and O-rings with a clean cloth.
- Apply a thin layer of silicone grease to the O-rings periodically to maintain waterproof integrity.
- Clean the lens with a soft, clean cloth. Avoid abrasive materials.

2. Storage

- When storing the flashlight for an extended period, remove the battery to prevent leakage.
- Store in a cool, dry place away from direct sunlight and extreme temperatures.

3. Water and Dust Resistance

The MH40 PRO is IP68 rated, meaning it is waterproof and dustproof. It can be submerged in water up to 2 meters.

- Ensure all caps and covers are securely tightened before exposing the flashlight to water or dusty environments.
- After exposure to saltwater, rinse the flashlight with fresh water and wipe it dry.



Figure 7: The MH40 PRO flashlight submerged in water, illustrating its IP68 waterproof rating, capable of submersion up to 2 meters.

TROUBLESHOOTING

If you encounter issues with your Nitecore MH40 PRO, please refer to the following common troubleshooting steps:

| Problem | Possible Cause | Solution |
|----------------------------------|---|---|
| Flashlight does not turn on. | Low battery, improperly installed battery, loose tail cap. | Charge the battery. Ensure the battery is inserted correctly with positive (+) terminal towards the head. Tighten the tail cap securely. |
| Light output is dim or flickers. | Low battery, dirty contacts, loose components. | Recharge the battery. Clean battery contacts and flashlight terminals. Ensure all parts are securely tightened. |
| Flashlight gets hot quickly. | Operating in Turbo mode for extended periods, high ambient temperature. | The ATR module will automatically reduce output to prevent overheating. Switch to a lower brightness level if necessary. Ensure proper ventilation. |
| Remote switch not responding. | Battery in remote switch low (if applicable), out of range, interference. | Check remote switch battery. Ensure remote switch is within effective range of the flashlight. Try moving away from sources of interference. |

If the problem persists after trying these steps, please contact Nitecore customer support.

SPECIFICATIONS

| Feature | Detail |
|------------|--------------|
| Max Output | 3,500 Lumens |

| Feature | Detail |
|--------------------|---|
| Max Beam Distance | 1,300 Meters |
| Max Beam Intensity | 423,000 cd |
| Max Runtime | 62 h 0 m / 2.58 d |
| LED | NiteLab UHi 40 MAX LED |
| Reflector | SMO |
| Battery | 1 x NBP100R (10,000mAh) or 2 x 21700 |
| Special Modes | Location Beacon, SOS, STROBE |
| Beam Color | White Light |
| Length | 256 mm / 10.08 in |
| Head Size | 65 mm / 2.56 in |
| Weight | 270 g / 9.52 oz |
| Waterproof Rating | IP68 (2 meters submersible) |
| Impact Resistance | 1 meter |
| Material | Aero-grade aluminum alloy, HA III military-grade hard-anodized finish |

Technical Data (Runtime and Intensity)

The following tables detail the runtime and intensity specifications based on battery type:

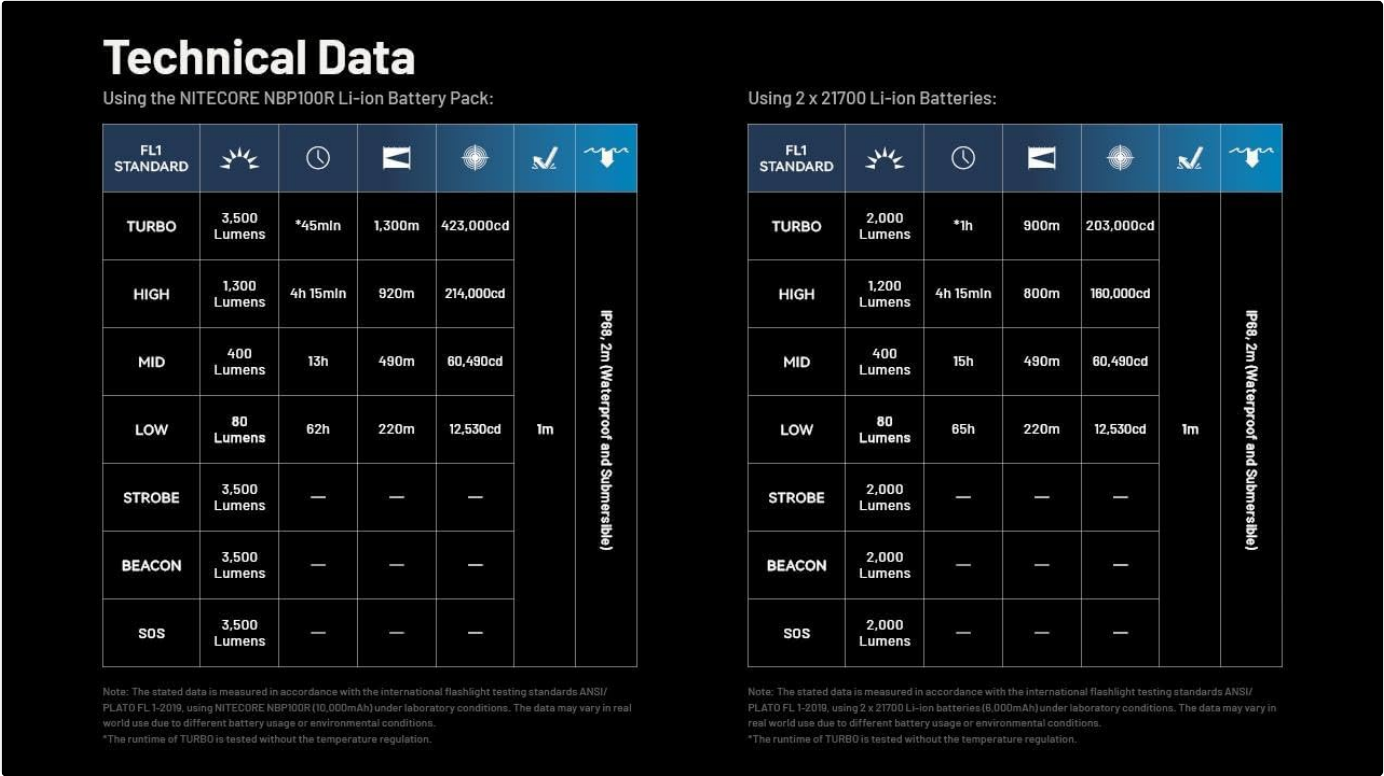


Figure 8: Detailed technical data table showing brightness levels, runtime, beam distance, and peak beam intensity for both NBP100R Li-ion Battery Pack and 2 x 21700 Li-ion Batteries.

PACKAGE CONTENTS

The Nitecore MH40 PRO package includes the following items:

- MH40 Pro Flashlight
- Wireless Remote Switch
- Hook-and-Loop Fastener
- Hook-and-Loop Strap x 2
- Picatinny Rail Mount x 2 (optional)
- NITECORE NBP100R Li-ion Battery Pack (10,000mAh)
- USB-C Charging Cable
- Spare O-ring
- Holster
- Lanyard

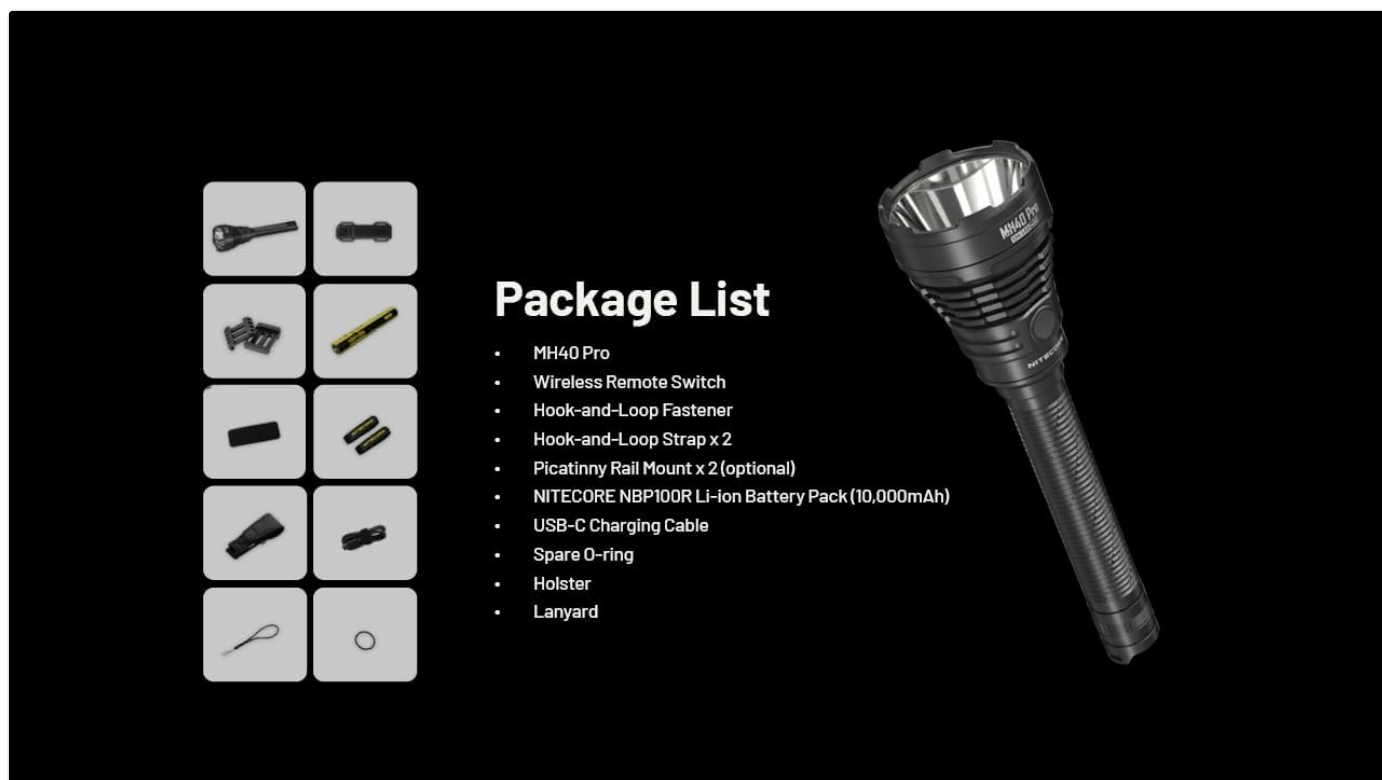


Figure 9: Visual representation of all items included in the Nitecore MH40 PRO package.

WARRANTY AND SUPPORT

The Nitecore MH40 PRO comes with a limited warranty. For detailed warranty terms and conditions, please refer to the warranty card included in your package or visit the official Nitecore website.

For technical support, troubleshooting assistance, or warranty claims, please contact Nitecore customer service through their official website or the retailer from whom you purchased the product.

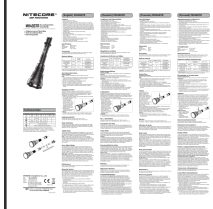
Manufacturer: SYSMAX Innovations Co., Ltd

Related Documents



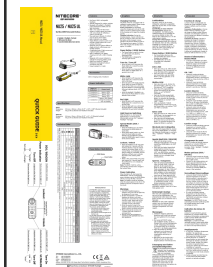
[NITECORE MH40S Ultra Long Range Flashlight User Manual and Specifications](#)

Detailed user manual and specifications for the NITECORE MH40S Ultra Long Range Flashlight, featuring 1500 lumens, 1500m throw, 21700 battery compatibility, USB-C charging, and a wireless remote switch.



[NITECORE MH40GTR Flashlight User Manual and Specifications](#)

Comprehensive guide to the NITECORE MH40GTR flashlight, covering features, specifications, operating instructions, charging, maintenance, and warranty information. Includes details on its CREE XP-L HI V3 LED, 1200 lumens output, 1004m beam distance, and dual-fuel capability.



[Nitecore NU25 / NU25 UL Dual Beam USB-C Rechargeable Headlamp User Manual](#)

User manual for the Nitecore NU25 and NU25 UL dual beam USB-C rechargeable headlamps. Details features, specifications, charging, operation modes (spotlight, floodlight, red light, SOS, beacon), power indication, warnings, and warranty.



[NITECORE TM03/TM03 CRI User Manual: Features, Operation, and Specifications](#)

Comprehensive user manual for the NITECORE TM03 and TM03 CRI tactical flashlights, detailing features, operating instructions, brightness levels, modes, temperature regulation, precautions, and warranty information.

Documents - Nitecore – nitecore-mh40-pro

Nitecore MH40 Pro – Uživatelský manuál

Přehled produktu

Nitrotec M940 Pro je výkonná svítidla s dlouhým dosahem, ideální pro profesionální použití, jako je parkoviště a skladiště, bezpečnostní osvětlení a další interiérové aplikace. Vyrábějí LED diody U10-40 mA x 2 a maximální výkonem 3300 lumenů a dosahem až 1300 metrů. Svítidla je napájejí buď dobíjecí Lithium-iontovým akumulátorem NBP100R s kapacitou 10 000 mAh, nebo dvěma bateriemi typu 21700. Díky bezdrátovému dálkovému ovládání a robustní konstrukci je M940 Pro spolehlivým nástrojem pro náročné podmínky.

Technické parametry

- **LED**: UH140 MAX
- **Maximální výkon**: 3500 lumenů
- **Dosah**: až 1300 metrů
- **Baterie**: NBP100R (10 000 mAh) nebo 2 x 21 700
- **Nabíjení**: USB-C (pomocí pro NBP100R)
- **Doba nabíjení**: přibližně 3 hodiny až 40 minut (záleží na režimu SV3A a adaptoru)
- **Režimy**: dle 256 m, přibližně 65 m, přibližně 26,2 m, přibližně 13,1 m
- **Hmotnost**: 41,7 g (včetně baterie)
- **Odolnost vůči pádu**: IP68 (pomocí do 2 metrů)
- **Odolnost vůči nárazu**: do 2 metrů

Režimy osvětlení a výdrž

| Při použití akumulátoru NP100R: | | | | |
|---------------------------------|----------------|------|-------------|----------------|
| Režim | Výkon (lumény) | Výdř | Domř (mstr) | Intenzita (cd) |
| TURBO 3500 | 45 mm | 1300 | 423 000 | |
| HIGH 1300 | 4 k 15 mm | 920 | 214 000 | |
| MID 400 | 13 h | 480 | 60 400 | |
| LOW 90 | 62 h | 220 | 12 530 | |
| STROBE 3500 | - | - | - | |
| BEACON 3500 | - | - | - | |

SCS 3500
Pri použití 2x 21700 baterií:

| Režis | Výkon (lumeny) | Výdrž | Dosah (metry) | Intenzita (cd) |
|--------|----------------|------------|---------------|----------------|
| TURBO | 2000 | 1 h | 900 | 203 000 |
| HIGH | 1200 | 4 h 15 min | 800 | 160 000 |
| MID | 400 | 15 h | 400 | 60 400 |
| LOW | 80 | 65 h | 220 | 12 500 |
| STROBE | 2000 | - | - | - |
| BEACON | 2000 | - | - | - |



Nitecore MH40PRO odt Petr T MH40 Pro Uživatelský manuál Led Expert Uvolněním tlačítka zůstane svítlna v aktuálním režimu Krátkým stiskem bočního se vrátíte do předchozího nebo krátkým zadního ps 3547Nitecore CZE led expert cz fotky21620 fotov |||

Nitecore MH40 Pro Uživatelsk manu! Pehled produktu Nitecore MH40 Pro je vkonu svitlna s dlouhm dosahem, ideln pro profesionln pouziti, jako je ptrn a zchrana, bezpecnostn operace a dals nrocn aplikace. Vyuzev LED diodu UHi 40 MAX s maximlnm vkonem 3500 lumen a dosvitem az 1300 metr. Svitlna je napje...

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