

NITECORE®

The All-Round Flashlight Expert

R40 User Manual

Features

- Utilises a CREE XP-L HI V3 LED, maximum output up to 1000 lumens
- A proprietary flat top NL2650DW battery included
- Max runtime up to 1000 hours
- 3 charging systems to suit different user preferences
- 2 charging cradles for inductive charging
- USB rechargeable with integrated charging circuit
- Precision Digital Optic Technology (PDOT) provides extreme reflector performance
- Dual switch design, uncluttered user interface
- 5 Brightness levels and 3 special modes (Strobe/SOS/Beacon) readily available
- Maximum throw up to 520 metres
- Built-in power indicator reports battery level (Patent No. ZL201220057767.4)
- Quick access to "Turbo" and "Ultralow" outputs
- Toughened ultra-clear mineral lens with anti-reflective coating
- Aerospace grade aluminium alloy construction
- HA III hard anodizing
- Waterproof in accordance with IPX8 (2 metres submersible)
- Impact resistant to 1 metre
- Tail stand capability

Accessories

Holster, Lanyard, O-ring, Charging port cover, NL2650DW rechargeable battery (3.7V 5000mAh), Adaptor, Wall mount cradle(R40WC), USB cord Desktop cradle, Vehicle adaptor
 *The proprietary NL2650DW battery can be purchased separately

Dimensions

Length: 5.95" (151.3mm)
 Head diameter: 1.57" (40mm)
 Tail diameter: 1.55" (38.6mm)
 Weight: 6.86oz (194.5g, without battery)

Charging cradles specification

Input: DC 5-12V 1A(MAX)
 Output: 5V 1A(MAX)
 Wall mount cradle: 3.7"x2.1"x2.24"(94mm x 53.5mm x 57mm) Weight: 2.64oz (75g)
 Desktop cradle: 2.28"x2.28"x1.49"(58mm x 58mm x 38mm) Weight: 1.29oz(36.6g)

Battery Options

The NL2650DW is a Nitecore proprietary battery dedicated for the R40 only.
 *The R40 is designed to work with the NL2650DW battery only, it shall not be used with other button top or flat top 26650 batteries.

Output & Runtime

FL1 STANDARD	TURBO	HIGH	MID	LOW	ULTRALOW	STROBE	BEACON	SOS
1000 LUMENS	420 LUMENS	200 LUMENS	50 LUMENS	1 LUMEN	1000 LUMENS	1000 LUMENS	1000 LUMENS	1000 LUMENS
*1h30min	4h30min	10h30min	32h	1000h	—	—	—	—
520m	325m	226m	101m	15m	—	—	—	—
67700cd	26500cd	12760cd	2500cd	60cd	—	—	—	—
1m (Impact Resistant)								
IPX8, 2m (Waterproof AND Submersible)								

NOTICE: The stated data has been measured in accordance with the international flashlight testing standards ANSI/NEMA FL1, using 1x proprietary 26650 Li-ion battery (3.7V, 5000mAh) under laboratory conditions. The data may vary in real-world use due to different battery usage or environmental conditions.

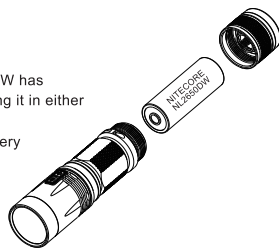
*The runtime for TURBO mode is the testing result before starting temperature regulation.

Operating Instructions



Battery installation

Insert battery as illustrated in the diagram, the NL2650DW has no distinct positive polarity and negative polarity, inserting it in either orientation will work.

Note: The built-in power indicator will blink to report battery voltage upon battery installation. For more information, please refer to the "Power Tips" section.



Dual Switch

The power switch  controls the power and the mode switch  controls the brightness and other modes.

ON/OFF

Press the power switch to switch the light on, press it again to switch the light off.

Positioning Light

With the light turned on, hold down the power switch for 3 seconds, this turns the light off and in turn activates the built-in power indicator to blink once every 3 seconds, this serves to remind users of the location of the R40. With a fully charged battery, the R40 will remain operational for 12 months with the power indicator activated, and 24 months with the power indicator deactivated.

Brightness Adjustment

With the light turned on, press the mode switch to cycle through Ultralow-Low-Mid-High-Turbo. The R40 comes with memory function for brightness setting, it will resume the brightness setting last used.

Quick Access to Ultralow/Turbo

With the light turned off, hold down the power switch for 1 second to access "Ultralow" (1 lumen) output.

With the Light turned off, hold down the mode switch for 1 second to access "Turbo" (1000 lumens) output.

Special Modes (Strobe/Beacon/SOS)

With the light turned on, hold down the mode switch for 1 second to enter strobe, hold down the mode switch for 1 second again to switch to beacon, repeat the process to cycle through Beacon-SOS-Strobe.

Instant Access to Strobe

With the light turned off, tap the mode switch twice in quick succession to enter strobe instantly, press any switch again to exit.

Lockout/Unlock

With the light turned on, hold down both power and mode switches for 1 second to lockout all functions, both switches are rendered inoperative in lockout to prevent accidental activations. To unlock, hold down both switches for 1 second again.

Note:

1. A fully charged battery will keep the R40 in lockout operational for 24 months.
2. Remove battery if the product will be left unattended for extensive period to avoid accidental activation or battery leakage.

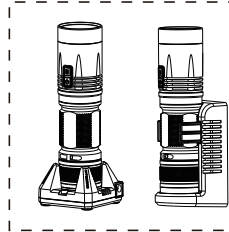
Charging

The R40 comes with USB recharge capability, and a wall mount cradle and a desktop cradle are included to provide inductive charging.

1. **USB charging:** Lift the cover at the bottom of the tail cap to expose the charging port, connect the charging port to an USB power supply through a USB cord to start the charging process.
2. **Cradle charging:** Inductive coils are concealed both in the cradle and the tail cap, this allows energy to be transferred between two objects through an electromagnetic field. Secure the R40 onto the cradle and connect the cradle to a power outlet to initiate the charging process.

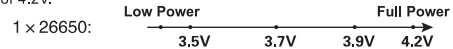
Note:

- (1) The adaptors included with the product are designed to work only with power sources capable of outputting 1A or more.
- (2) The included vehicle adaptor is designed to work with 12V cigarette socket only
- (3) The power indicator will blink once every 1.5 second to indicate charge in progress, it will stay lit when charging completes.
- (4) The power indicator will not turn on when putting a emptied torch to charge or when battery inside is damaged.
- (5) The power indicator will blink rapidly then turns off when proper contact with the power source cannot be made.
- (6) Fully charges the included NL2650DW battery take approximately 7 hours.



Power Tips

After battery installation or with the mode switch being pressed when the light is off, the blue power indicator built into the dual switches will blink to indicate remaining battery power. For example, the power indicator will blink 4 times, followed by a 1.5 second pause and another 2 blinks to indicate a power level of 4.2V.



ATR Technology

Advanced temperature regulation (ATR) technology allows the R40 to dynamically adjust output performance according to its internal temperature. This prevents damage from overheating and prolongs its working life.

Changing / Charging Battery

Batteries should be replaced or recharged when output appears to be dim or the flashlight becomes unresponsive.

Maintenance

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

Warranty Service

All NITECORE® products are warranted for quality. Any defective / malfunctioning NITECORE® product can be repaired free of charge for a period of 60 months (5 years) from the date of purchase. Beyond 60 months (5 years), a limited warranty applies, covering the cost of labor and maintenance, but not the cost of accessories or replacement parts.

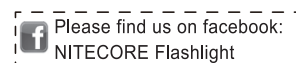
The warranty is nullified in all of the following situations:

1. The product(s) is/are broken down, reconstructed and/or modified by unauthorized parties.
2. The product(s) is/are damaged through improper use.
3. The product(s) is/are damaged by leakage of batteries.

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.

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Thanks for purchasing NITECORE!