Nitecore LR70

Nitecore LR70 3-in-1 Lantern, Flashlight, and Backup Power Source User Manual

Model: LR70 | Brand: Nitecore

INTRODUCTION

The Nitecore LR70 is a versatile device designed for multiple applications, combining the functions of a high-performance flashlight, a diffused area lantern, and a portable power bank. This manual provides detailed instructions for its proper use, maintenance, and troubleshooting.

Image: The Nitecore LR70, illustrating its compact design with the flashlight at one end and the translucent lantern body.

Key Features

- Flashlight mode with up to 3000 lumens output and a 300-meter beam distance.

- Lantern mode providing up to 400 lumens with red light options.

- Integrated backup power source with USB-C for QC/PD fast charging.

- Long runtime, up to 600 hours on a single charge.

- Airline-approved under UN38.3 Standard.

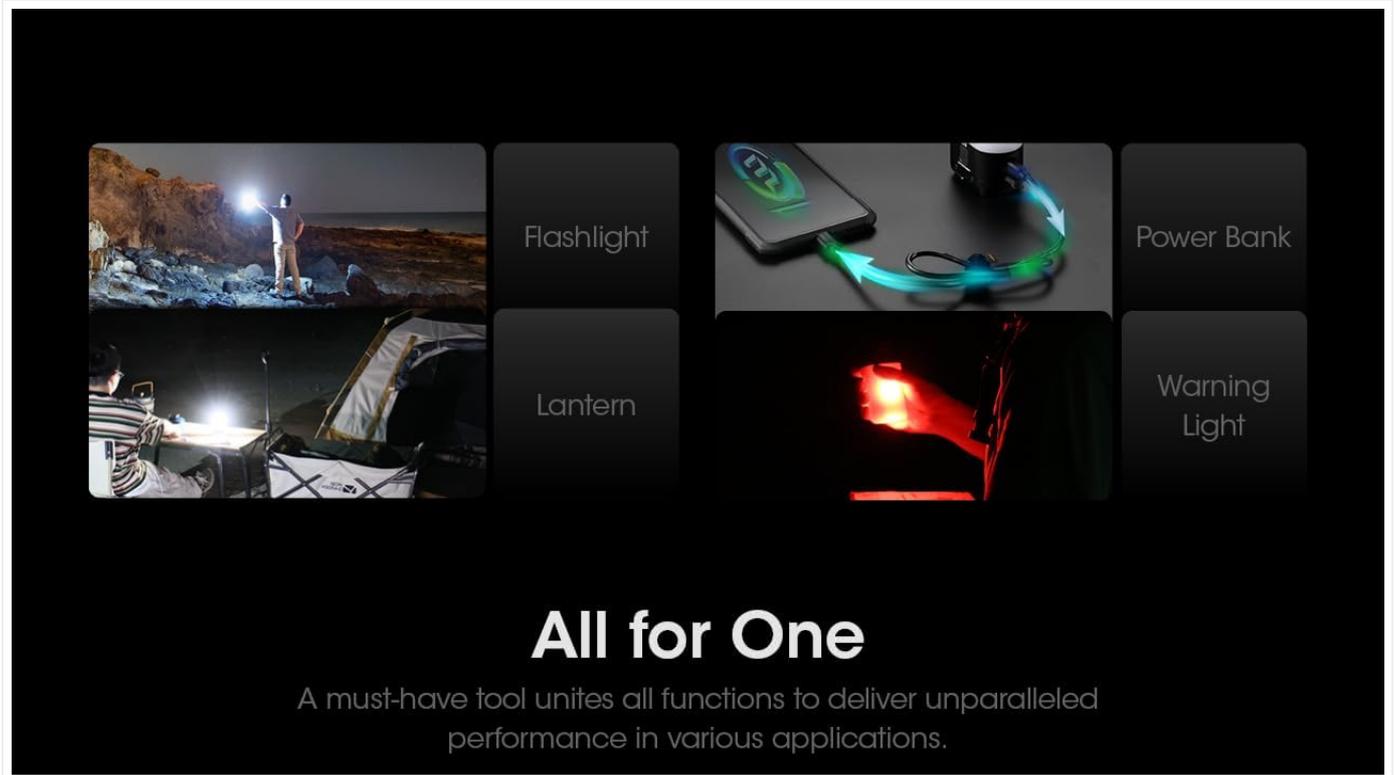- IP67 water-resistant rating and 1-meter impact resistance.

Image: A visual representation highlighting the LR70's capabilities as a flashlight, power bank, lantern, and warning light.

SETUP

Initial Charging

Before first use, fully charge the Nitecore LR70. Connect the included USB-C cable to the device's USB-C port and to a compatible USB power adapter (not included). The power indicator will show charging status. A full charge ensures optimal performance for all functions.

Power Indicator

The power indicator provides information on the remaining battery level. Refer to the device's specific indicator patterns for detailed battery status.

OPERATING INSTRUCTIONS

The LR70 features a single button for controlling all functions. The button is located on the side of the device, labeled "LR70" with a power symbol.

Image: A close-up of the LR70's front, highlighting the main control button and the dual flashlight lenses.

Flashlight Mode

1. **Turn On/Off:** Press and hold the control button for approximately 1 second to turn the flashlight on or off.
2. **Brightness Adjustment:** While the flashlight is on, short press the control button to cycle through brightness levels (Low, Mid, High, Higher, Turbo).

Image: The LR70 in flashlight mode, demonstrating its long-range coverage of 300 meters, illuminating a distant area.

Lantern Mode

1. **Turn On/Off:** Double-press the control button to turn the lantern on or off.
2. **Brightness Adjustment:** While the lantern is on, short press the control button to cycle through brightness levels (Low, Mid, High).

Image: The LR70 functioning as a lantern, providing ambient white light in a dark outdoor setting.

Red Light Modes (Lantern)

1. **Activate Red Light:** From lantern mode, continue short pressing the control button after the highest white light

setting to access Red Low, Red High, Red SOS, and Red Beacon modes.

2. **Red SOS:** This mode emits a flashing red light signal for emergencies.

3. **Red Beacon:** This mode emits a steady flashing red light for signaling or location marking.

Image: The LR70 in Red Beacon mode, providing enhanced safety and visibility in low-light conditions.

Image: The LR70 providing red light illumination, suitable for activities like map viewing or night photography to preserve night vision.

Power Bank Function

The LR70 can charge external devices via its USB-C port. Connect your device to the LR70 using a compatible USB-C cable. The LR70 supports QC/PD fast charging for various electronic devices, including smartphones and tablets. It also features a low-current mode suitable for charging smaller devices like smartwatches or earphones.

Image: A graphic detailing the LR70's power bank features, including its 10,000mAh capacity, 18W QC/PD fast charging, and USB-C input/output.

Placement and Carrying

The LR70 is designed for versatile placement. It can stand upright on flat surfaces, be hung using its integrated loop, or carried by hand. This flexibility makes it suitable for various outdoor and indoor scenarios.
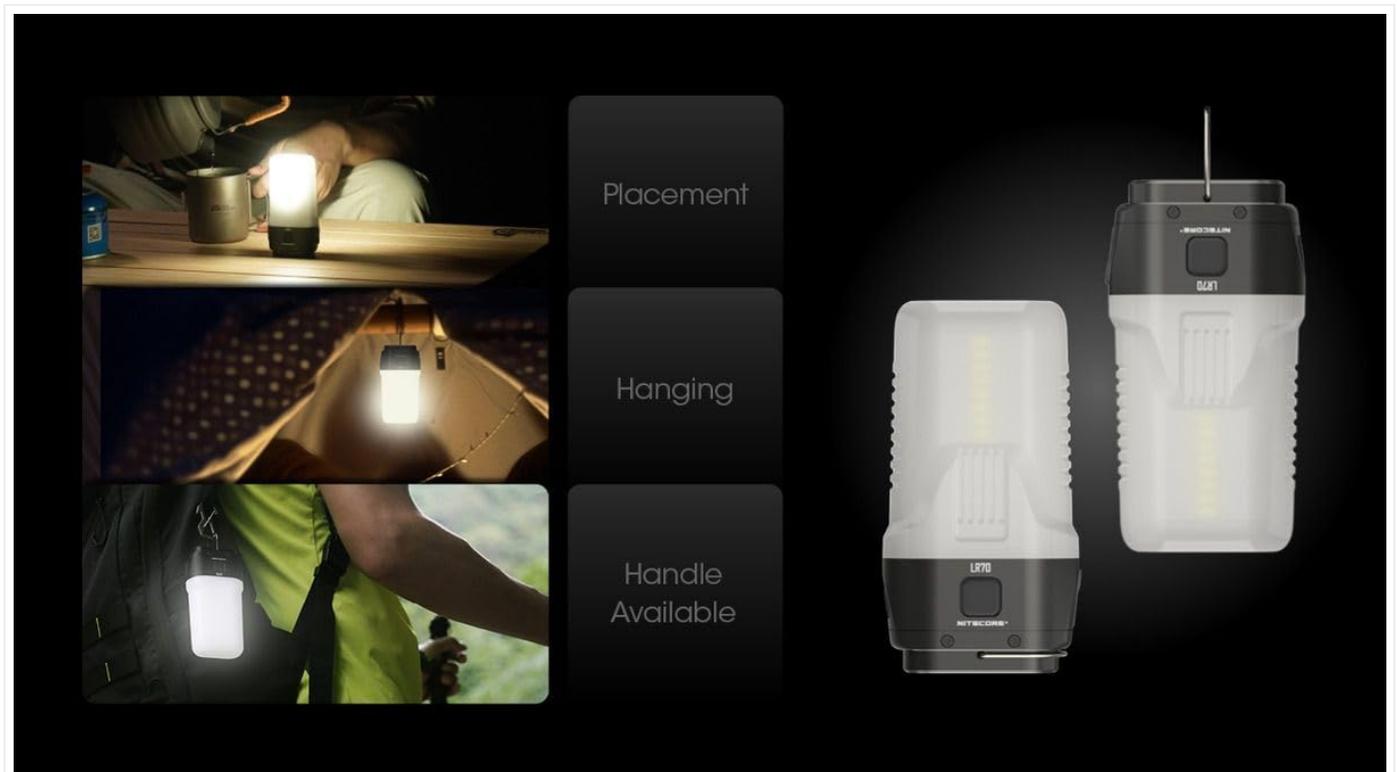

Image: Examples of the LR70's versatile usage, including tabletop placement, hanging inside a tent, and attachment to a backpack.

MAINTENANCE

- **Cleaning:** Wipe the device with a soft, damp cloth. Avoid abrasive cleaners or solvents.

- **Storage:** Store the LR70 in a cool, dry place when not in use. For long-term storage, charge the battery every three months to maintain battery health.
- **Water Resistance:** The LR70 has an IP67 rating, meaning it is protected from dust and can withstand immersion in water up to 1 meter for 30 minutes. Ensure the USB-C port cover is securely closed to maintain water resistance.

TROUBLESHOOTING

- **Device Not Turning On:** Ensure the battery is charged. Connect the device to a power source using the USB-C cable and attempt to turn it on after a few minutes of charging.
- **Flashlight/Lantern Not Bright:** Check the battery level. Lower brightness settings are used to conserve battery. Recharge if necessary.
- **External Device Not Charging:** Ensure the LR70 has sufficient battery charge. Verify the USB-C cable is properly connected to both the LR70 and the external device. Some devices may require specific charging protocols; ensure compatibility.
- **Water Ingress:** If water enters the device, immediately turn it off and allow it to dry completely before attempting to use it again. Contact customer support if issues persist.

SPECIFICATIONS

The following table provides detailed technical specifications for the Nitecore LR70.

Technical Data

Flashlight Mode

	TURBO	HIGHER	HIGH	MID	LOW
Brightness	3,000 Lumens	1,000 Lumens	300 Lumens	35 Lumens	1 Lumen
Runtime	—	10h	21h	100h	600h
Beam Distance	300m	160m	85m	30m	10m
Peak Beam Intensity	23,100cd	6,420cd	1,848cd	236cd	24cd
Impact Resistance	1m				
Water Resistance	IP67, 1m				

Note: The stated data is measured using 2 x 21700 5,000mAh Li-Ion batteries under laboratory conditions. The data may vary in real world use due to different environmental conditions.

Lantern Mode

	HIGH	MID	LOW	RED HIGH	RED LOW	RED SOS	RED BEACON
Brightness	400 Lumens	55 Lumens	5 Lumens	10 Lumens	2 Lumens	10 Lumens	10 Lumens
Runtime	7h	60h	200h	80h	260h	—	—
Peak Beam Intensity	70cd	9cd	1cd	—	—	—	—
Impact Resistance	1m						
Water Resistance	IP67, 1m						

Note: The stated data is measured using 2 x 21700 5,000mAh Li-Ion batteries under laboratory conditions. The data may vary in real world use due to different environmental conditions.

Image: Technical data table detailing performance metrics for the LR70 in both flashlight and lantern modes, including brightness levels, runtimes, and environmental resistances.

Nitecore LR70 Technical Specifications

Feature	Detail
Model	LR70

Feature	Detail
Max Brightness (Flashlight)	3000 Lumens
Max Beam Distance	300 Meters
Max Brightness (Lantern)	400 Lumens
Max Runtime	600 Hours (Low Lantern Mode)
Battery Type	Built-in Lithium Ion (10000mAh)
Charging Port	USB-C (Input & Output, QC/PD Fast Charging)
Water Resistance	IP67
Impact Resistance	1 Meter
Dimensions	1.18"D x 2.36"W x 4.33"H
Weight	3.53 ounces (100 Grams)
Material	Metal

WARRANTY AND SUPPORT

Nitecore products are covered by a warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Nitecore website. For technical support, service, or inquiries, please contact Nitecore customer service directly.

Keep your purchase receipt as proof of purchase for warranty claims.

Related Documents - LR70

	NITECORE TINI3 LED Flashlight User Manual User manual for the NITECORE TINI3 compact LED flashlight, detailing its features, specifications, operation modes (including brightness levels, color temperatures, and lockout functions), charging instructions, advanced temperature regulation, power indication, and warranty service. Includes safety warnings and disposal information.
	Nitecore NU27 MCT: Посібник користувача, характеристики та інструкції Детальний посібник користувача для ліхтаря Nitecore NU27 MCT. Дізнайтеся про функції, технічні характеристики, безпеку та інструкції з експлуатації.

	[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 EDC37 User Manual: Features, Specifications, and Operation Guide](#) Comprehensive user manual for the NITECORE EDC37 flashlight, detailing its advanced features, technical specifications, operational instructions, safety guidelines, and warranty information.
	[NITECORE P20iX Tactical Flashlight - 4000 Lumens, USB-C Rechargeable](#) User manual for the NITECORE P20iX tactical flashlight, detailing its features, specifications, operating instructions, and maintenance. Discover its 4000-lumen output, USB-C charging, STROBE READY technology, and dual user modes.
	[NITECORE NU33 USB-C Rechargeable Headlamp - Features, Specs, and Operation Guide](#) Comprehensive guide to the NITECORE NU33 headlamp, detailing its triple light sources, 700-lumen output, USB-C charging capabilities, technical specifications, operating instructions, and warranty information.