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› EdisonBright Nitecore NU06 MI IR Signal Light User Manual

EdisonBright NU06 MI

EdisonBright Nitecore NU06 MI IR Signal Light User Manual

Model: NU06 MI

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1. INTRODUCTION

The EdisonBright Nitecore NU06 MI is a compact and versatile IR signal and safety light, designed for a wide range of applications including military, law enforcement, and outdoor activities. This device features multiple light sources, including infrared (IR), red, green, and blue, offering various modes for signaling, identification, and safety. Its robust design and flexible mounting options make it an essential tool for enhancing visibility and communication in diverse environments.



Figure 1: The Nitecore NU06 MI IR Signal Light, showcasing its compact design and central power button.

2. PRODUCT FEATURES

- **Multiple Light Sources:** Equipped with 4 high-performance LEDs, providing Infrared (IR), Red, Green, and Blue light options.
- **Versatile Modes:** Offers a total of 9 distinct modes for various signaling and safety requirements.
- **Compact Design:** Ultra-compact and lightweight for easy portability and minimal interference.
- **IFF Signal Marker:** Functions as an Identification Friend or Foe (IFF) signal marker, crucial for distinguishing personnel in military operations, especially with night vision goggles.
- **Law Enforcement Deployment:** Flashing color options are suitable for visual recognition in law enforcement, aiding in group identification and position marking.
- **IR Modes Vibration Indication:** Provides tactile feedback (vibration) to indicate activation and mode changes for IR functions, ensuring discreet operation.
- **Universal Mounting System:** Compatible with MOLLE and Hook-and-Loop systems, offering versatile attachment

options. Includes an ARC rail adapter for direct mounting on helmets with ARC Rails.

- **USB-C Rechargeable:** Features a built-in 250mAh Li-ion battery with a USB-C charging port for convenient and quick recharging.
- **Durable Construction:** Made from durable PC materials, designed to be impact resistant up to 1 meter.
- **Weather Resistant:** Rated IP66 for protection against dust and powerful water jets.



Figure 2: Overview of the Nitecore NU06 MI's key features, including its 4 light sources, 9 modes, and compact design.



Figure 3: The NU06 MI used as an IFF signal marker, demonstrating its utility for distinguishing friendly forces with night vision goggles.

LAW ENFORCEMENT DEPLOYMENT

As the visual recognition applied in law enforcement, the flashing colors are appropriate to indicate different groups or identify specific positions of team members quickly.

These images are for guide purpose only, actual result may vary depending on ambient factors. They are the intellectual property of Nitecore. All rights to take legal action are reserved.

Figure 4: Illustrates the NU06 MI's application in law enforcement for visual recognition and team member identification using flashing colors.

3. WHAT'S IN THE BOX

Upon opening the package, please ensure all the following items are present:

- Nitecore NU06 MI IR Signal Light
- EdisonBright USB-C Charging Cable
- Built-in 250mAh Li-ion Battery (pre-installed)
- ARC Rail Adapter
- MOLLE & Hook-and-Loop compatible attachments

4. SETUP & INSTALLATION

4.1 Charging the Device

The NU06 MI features a built-in rechargeable Li-ion battery. To charge:

1. Locate the USB-C charging port on the device.
2. Connect the provided EdisonBright USB-C charging cable to the device and a compatible USB power source (e.g., wall adapter, computer USB port).
3. The charging indicator will show the charging status. Refer to the operation section for indicator details.

TECHNICAL DATA



	Output	Runtime		Impact Resistance	IP Rating
		Constant-on	Flashing		
IR	–	4h	50h	1m	IP66
Red	3 Lumens	9h	75h		
Green	8 Lumens	9h	75h		
Blue	2 Lumens	5h	48h		
Red/Blue Police Warning Flashing	–	–	56h		

Note: The stated data is measured using the built-in Li-ion battery (250mAh) under laboratory conditions. The data may vary in real world use due to different battery usage or environmental conditions.

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Figure 5: Technical data including runtime and charging information for the NU06 MI. The device is rechargeable via USB-C.

4.2 Mounting Options

The NU06 MI offers flexible mounting solutions:

- **MOLLE & Hook-and-Loop:** Utilize the integrated MOLLE and Hook-and-Loop compatible design for attachment to tactical gear, vests, or other surfaces.
- **ARC Rail Adapter:** For helmet mounting, use the included ARC Rail Adapter.

1. Slide the NU06 MI onto the ARC Rail Adapter until it clicks securely into place.
2. Attach the adapter to the ARC Rails on your helmet. Ensure it is firmly seated to prevent accidental detachment.



Figure 6: Diagram showing how to install the NU06 MI onto an ARC Rail Adapter for helmet mounting. Push up to slide in and release to set up.

5. OPERATION

The NU06 MI features a single switch design for easy one-handed operation.

5.1 Power On/Off

- **To Power On:** Press and hold the power button for approximately 1 second.
- **To Power Off:** Press and hold the power button for approximately 1 second while the light is on.

5.2 Mode Switching

Once powered on, short press the power button to cycle through the available light modes. The sequence typically includes various colors (Red, Green, Blue) and flashing patterns, as well as IR modes.

5.3 IR Modes Vibration Indication

When switching to or from IR modes, the device provides tactile feedback:

- **IR Constant-on:** Vibrates once.
- **IR Flashing:** Vibrates twice.
- **IR Off:** Vibrates for 1 second.



Figure 7: Visual representation of the vibration indications for different IR modes (Constant-on, Flashing, Off) on the NU06 MI.

6. TECHNICAL SPECIFICATIONS

Nitecore NU06 MI Performance Data

Mode	Output	Runtime		Impact Resistance	IP Rating
		Constant-on	Flashing		
IR	-	4h	50h	1m	IP66
Red	3 Lumens	9h	75h		
Green	8 Lumens	9h	75h		
Blue	2 Lumens	5h	48h		
Red/Blue Police Warning Flashing	-	-	56h		

Note: The stated data is measured using the built-in Li-ion battery (250mAh) under laboratory conditions. Actual data may vary in real-world use due to different battery usage or environmental conditions.

General Specifications:

- **LEDs:** 4 x high performance LEDs
- **IR Wavelength:** 940nm
- **Battery:** Built-in 250mAh Li-ion battery
- **Charging Port:** USB-C
- **Materials:** Durable PC materials
- **Impact Resistance:** 1 meter
- **Waterproof Rating:** IP66
- **Dimensions:** Compact (exact dimensions not provided, but described as "Ultra Compact Design")



TECHNICAL DATA

- Utilizes 4 x high performance LEDs
- Available with IR light (wavelength 940nm), red light, green light and blue light of totally 9 modes
- Single switch design allows for one-handed operation
- Powered by the built-in 250mAh Li-ion battery with a max runtime of 75 hours
- Built-in Li-ion battery charging circuit with a USB-C charging port
- ARC rail adapter on the body and 3 lightweight brackets included to enable multiple mounting and carry options
- Made from durable PC materials
- Impact resistant to 1 meter

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Figure 8: Additional technical data highlighting the 4 LEDs, IR wavelength, 9 modes, single switch design, 250mAh battery, USB-C charging, ARC rail adapter, durable PC materials, and 1-meter impact resistance.

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your NU06 MI signal light.

- **Cleaning:** Wipe the device with a soft, damp cloth to remove dust and dirt. Avoid using harsh chemicals or abrasive materials.
- **Charging:** Recharge the battery regularly, especially if the device has not been used for an extended period, to maintain battery health.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Water Exposure:** While rated IP66, ensure the USB-C port cover is securely closed when exposed to water to maintain water resistance.

8. WARRANTY AND SUPPORT

The EdisonBright Nitecore NU06 MI IR Signal Light comes with a **1-year manufacturer's warranty**. For warranty claims, technical support, or any inquiries regarding your product, please contact the manufacturer or your point of purchase. Keep your proof of purchase for warranty validation.