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› NP NIGHT PROVISION BX-300 and DUO-120 USB Rechargeable LED Bike Light Set User Manual

NP NIGHT PROVISION BX-300 / DUO-120

NP NIGHT PROVISION BX-300 and DUO-120 USB Rechargeable LED Bike Light Set User Manual

Models: BX-300 (Front Light), DUO-120 (Tail Light)

1. INTRODUCTION

This manual provides instructions for the safe and effective use of your NP NIGHT PROVISION BX-300 Front Bike Light and DUO-120 Tail Bike Light set. Please read this manual thoroughly before use and retain it for future reference.



Image 1.1: The NP NIGHT PROVISION BX-300 Front Light and DUO-120 Tail Light, shown with packaging.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x NP NIGHT PROVISION BX-300 Front Light
- 1 x NP NIGHT PROVISION DUO-120 Tail Light
- 2 x USB Charging Cables
- 1 x Front Light Mounting Strap
- 1 x Tail Light Mounting Strap
- 1 x User Manual (this document)

3. SAFETY INFORMATION

Please observe the following safety guidelines:

- Do not look directly into the light beam to avoid temporary vision impairment.
- Ensure lights are securely mounted before riding.
- Keep lights clean for optimal performance.
- Do not submerge the lights in water. They are water-resistant, not waterproof.
- Charge only with the provided USB cables or certified equivalents.
- Store in a cool, dry place when not in use.

4. SETUP AND INSTALLATION

4.1. Charging the Lights

Both the BX-300 Front Light and DUO-120 Tail Light are USB rechargeable. Before first use, fully charge both lights.

1. Locate the USB charging port on each light. For the BX-300, it is typically on the underside or rear, protected by a rubber cover. For the DUO-120, it is usually on the side.
2. Connect the provided USB cable to the light and to a USB power source (e.g., computer, wall adapter).
3. The indicator light will show charging status (e.g., red for charging, green for fully charged).
4. Charging typically takes under 3 hours for a full charge.



Image 4.1: Close-up view of the USB charging port on the BX-300 front light, protected by a rubber cover.

4.2. Front Light Installation (BX-300)

The BX-300 front light mounts to your bicycle handlebars.

1. Place the rubber mounting strap around your handlebar.
2. Hook one end of the strap onto the light's mounting point.
3. Stretch the strap around the handlebar and secure the other end to the light's mounting point.
4. Adjust the light's angle so it illuminates the path ahead without blinding oncoming traffic.

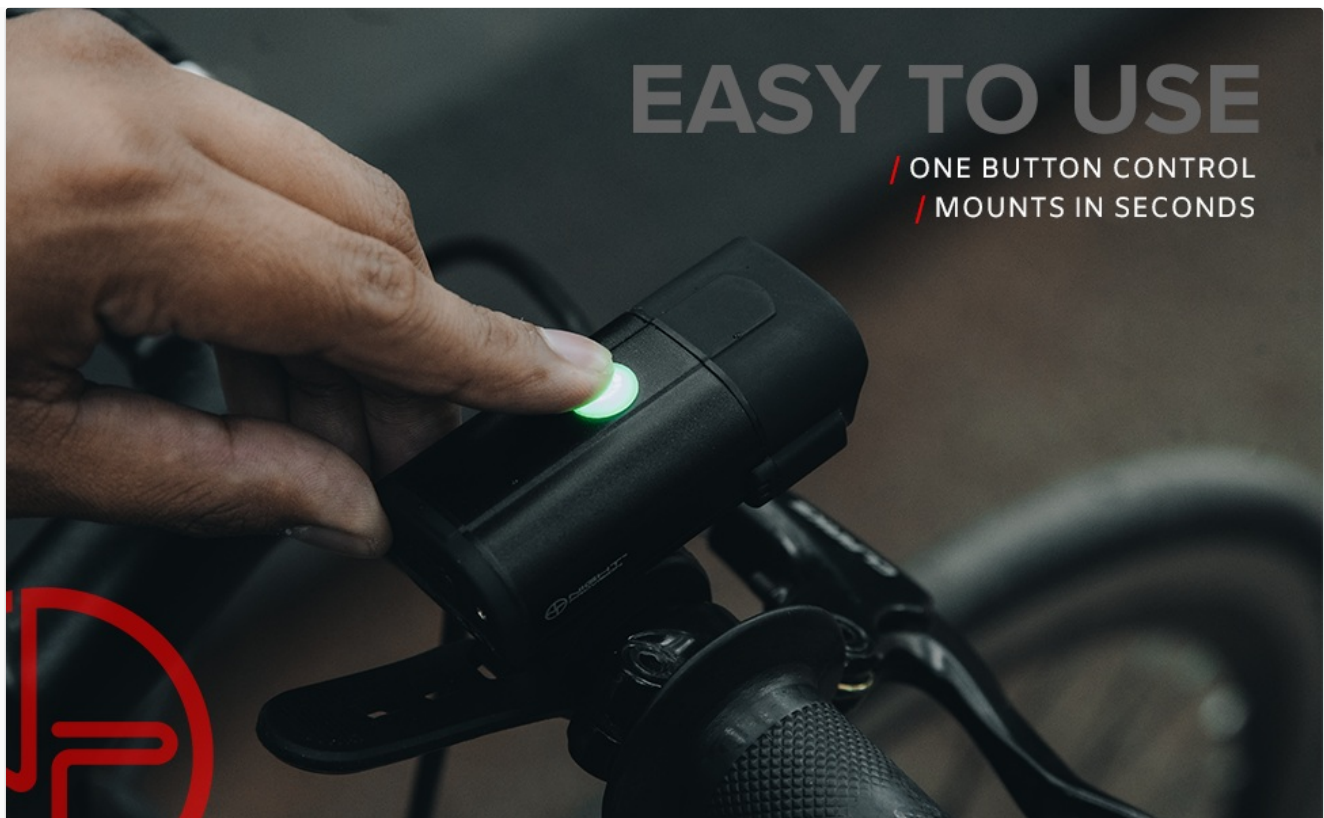


Image 4.2: The BX-300 front light securely mounted on a bicycle handlebar.

4.3. Tail Light Installation (DUO-120)

The DUO-120 tail light mounts to your bicycle seatpost.

1. Place the rubber mounting strap around your seatpost.
2. Hook one end of the strap onto the light's mounting point.
3. Stretch the strap around the seatpost and secure the other end to the light's mounting point.
4. Ensure the light is facing directly backward for maximum visibility.



LONG LASTING PERFORMANCE

Image 4.3: The DUO-120 tail light securely mounted on a bicycle seatpost.

5. OPERATION

5.1. Power Button and Mode Selection

Both lights feature a single button for power and mode selection.



Image 5.1: A hand pressing the illuminated power button on the BX-300 front light.

5.2. BX-300 Front Light Modes

Press the power button to cycle through the following modes:

- **High:** Maximum brightness for clear visibility.
- **Medium:** Balanced brightness for general use.
- **Low:** Extended battery life, suitable for well-lit areas.
- **Strobe:** Flashing mode for increased daytime visibility.
- **Amber Side Lights:** Provides additional side visibility.

To turn off the light, press and hold the power button for approximately 2 seconds.



OPTIMAL LIGHTING

REDUCES GLARE | CLEAR VISIBILITY

Image 5.2: The BX-300 front light providing optimal illumination on a road at night, demonstrating its beam pattern.

5.3. DUO-120 Tail Light Modes

Press the power button to cycle through the available red and white LED modes. The DUO-120 offers multiple lighting modes, including steady and flashing patterns, with up to 120 lumens and 180° rear coverage.

To turn off the light, press and hold the power button for approximately 2 seconds.

MULTI-USE LIGHT SET



Image 5.3: A cyclist using both the BX-300 front light and DUO-120 tail light, highlighting the versatility of the set.

6. MAINTENANCE

- **Cleaning:** Wipe the lights with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Storage:** If storing for an extended period, charge the lights to approximately 50% capacity every 3-6 months to preserve battery life. Store in a cool, dry environment.
- **Battery Care:** Avoid fully depleting the battery frequently. Recharge promptly when the low battery indicator appears.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on	Battery is depleted	Charge the light fully.

Problem	Possible Cause	Solution
Light does not charge	Faulty USB cable or power source	Try a different USB cable or power source. Ensure the charging port cover is fully open.
Light flickers or dims unexpectedly	Low battery	Recharge the light.
Light mount is loose	Strap not secured properly	Re-secure the rubber strap firmly around the handlebar/seatpost.

8. SPECIFICATIONS

BX-300 Front Light

- **LED:** CREE XP-G2
- **Brightness:** Up to 370 Lumens
- **Side Lights:** Amber
- **Battery Life:** Up to 2 hours (High mode), up to 6 hours (Low/Strobe mode)
- **Charging Time:** Under 3 hours
- **Weight:** Approximately 2.95 oz (0.08 kg)
- **Material:** Aluminum
- **Water Resistance:** Water Resistant (IPX 65)
- **Mounting Type:** Handlebar Mount
- **Dimensions (LxWxH):** 2.95 x 1.38 x 1.57 inches

DUO-120 Tail Light

- **LED:** Red & White
- **Brightness:** Up to 120 Lumens
- **Rear Coverage:** 180°
- **Battery Life:** Up to 14 hours (Max)
- **Charging Time:** Under 3 hours
- **Mounting Type:** Seatpost Mount

9. WARRANTY AND SUPPORT

For warranty information or technical support, please contact NP NIGHT PROVISION directly through their official website or the retailer where the product was purchased. Please have your product model (BX-300 / DUO-120) and proof of purchase available.

