

NANLITE

PavoTube II 6XR 8KIT
LED RGBWW Pixel Tube Light 8KIT

USER MANUAL

Version: V1.0
2025-02-28

Revision History

| Version | Date(Y-M-D) | Note |
|---------|-------------|---------------|
| V1.0 | 2025-02-28 | First Release |

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1. Introduction

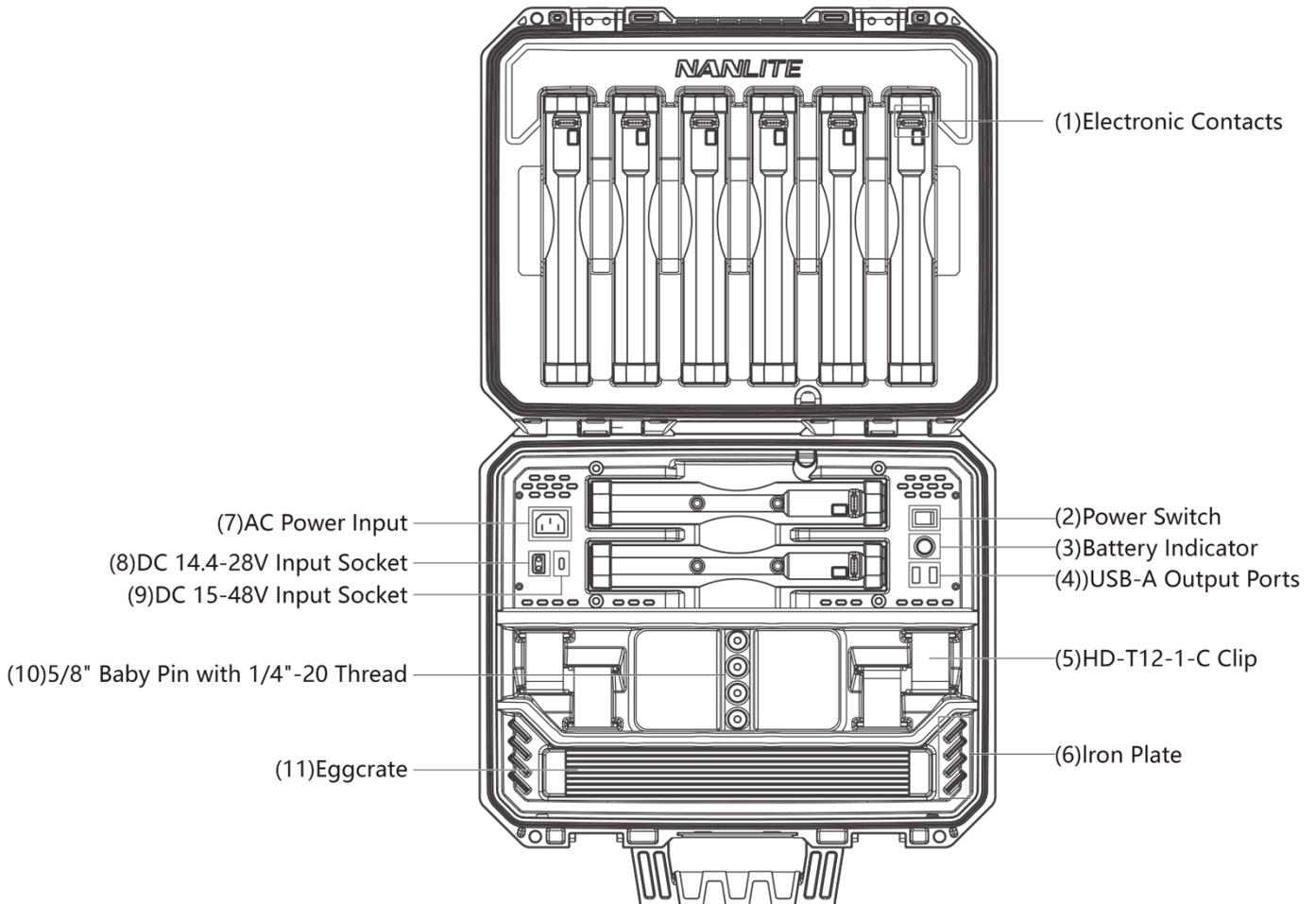
Thank you for purchasing the Nanlite product – PavoTube II 6XR 8-Light Kit!

This portable multi-light kit includes a GUTEK T-230 protector case that charges up to 8 fixtures simultaneously, with a battery indicator button to check the fixtures' battery level quickly. It supports AC, PD, and battery power, ensuring wide compatibility. The kit also includes clips, iron plates, 5/8" baby pins with 1/4"-20 threads, and eggcrates for stable installation in various setups. The durable T-230 protector case is IP67-rated, shockproof, and pressure-resistant, offering reliable protection for your PavoTube II 6XR.

The PavoTube II 6XR 8-Light Kit will bring great convenience to your creation and inspire boundless creativity. Before using this kit, please read this manual carefully to ensure you can fully utilize all the features. Hope it can work with you to create even more brilliant results together.

2. Product Overview

2.1. Product Layout

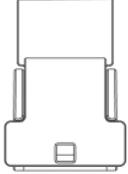
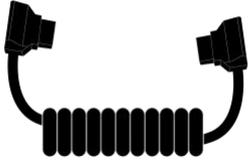
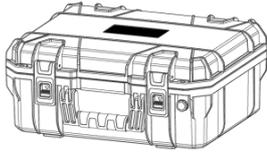


- (1) Electronic Contacts: For charging the PavoTube II 6XR in the 8-light kit case.
- (2) Power Switch: For turning on/off the power of 8-light kit case.
- (3) Battery Indicator: For displaying the status of the case, and pressing it shows the battery level of fixtures.
- (4) USB-A Output Ports: For outputting 5V/2A power.
- (5) HD-T12-1-C Clip: For clamping PavoTube II 6XR and securing them to light stands with a 1/4"-20 stud.
- (6) Iron Plate: For attaching the fixtures to non-ferrous surfaces.
- (7) AC Power Input: For connecting to an external power source to supply power to the case and the fixtures.
- (8) DC 14.4-28V Input Socket: For connecting with battery.
- (9) DC 15-48V Input Socket: For connecting with PD adapter and updating the case's firmware.
- (10) 5/8" Baby Pin with 1/4"-20 Thread: For installing the fixture on the tripod or other accessories.
- (11) Eggcrate: For directing the light in a specific direction, and narrowing the spread of light.

2.2. Specifications

| Model Name | PavoTube II 6XR 8KIT |
|-----------------------|--|
| Rated Power | 150W |
| Input Voltage/Current | AC: 100-240V 50/60Hz DC: 14.4-28V USB-C DC: 15-48V |

2.3. Includes

| | | |
|--|--|--|
| PavoTube II 6XR × 8 | Iron Plate × 16 | Eggcrate × 8 |
|  |  |  |
| HD-T12-1-C Clip × 4 | 5/8" Baby Pin with 1/4"-20 Thread × 4 | AC Cable 1.5M × 1 |
|  |  |  |
| D-Tap Cable × 1 | GUTEK T-230 Protector Case × 1 | User Manual × 1 |
|  |  |  |

3. Safety Instructions

Please read and understand all safety instructions before installing or operating the fixture. Always follow the instructions to avoid personal injury and fixture damage. Retain all safety and operating instructions for future reference.

Electrical:



Danger

Please ensure that the AC current, voltage and frequency comply with the fixture requirements.



Danger

Please use proper and undamaged cables to connect the fixture correctly, avoiding the risk of electric shock or fixture damage.



Danger

Please disconnect the power before moving or transporting the fixture.

Installation:



Danger

Please carefully read the manual and follow the instructions to install the fixture to avoid any unnecessary incidents.

Operation:



Danger

Please stop using the fixture immediately if the fixture housings or cables show visible damage.



Danger

Please do not use the fixture near flammable or explosive materials.



Danger

Please keep the fixture away from corrosive liquids or high-pressure steam.



Caution

Please ensure the fixture is used in an environment between -20°C and 45°C; operating outside this temperature range may damage the fixture.



Caution

Please do not cover the ventilation openings during use to prevent the fixture from overheating.

Maintenance:



Danger

Please do not disassemble or repair any part of the fixture on your own, as this will void the warranty. Maintenance and repair work should be carried out by an authorized service center and professional personnel.



Danger

Please disconnect the power before starting any maintenance work.



Caution

Please ensure the fixture is completely dry before transportation or storage after using it in



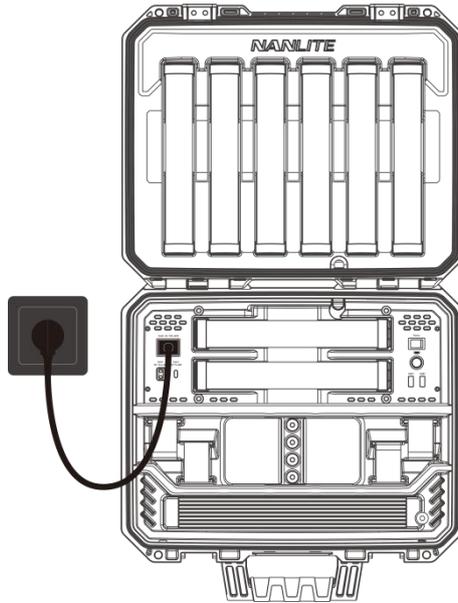
Notice

Please ensure the fixture is stored away from the following environments or items: extreme temperatures, direct sunlight, high humidity, intense vibrations, dust, strong magnetic fields, and flammable or explosive materials.

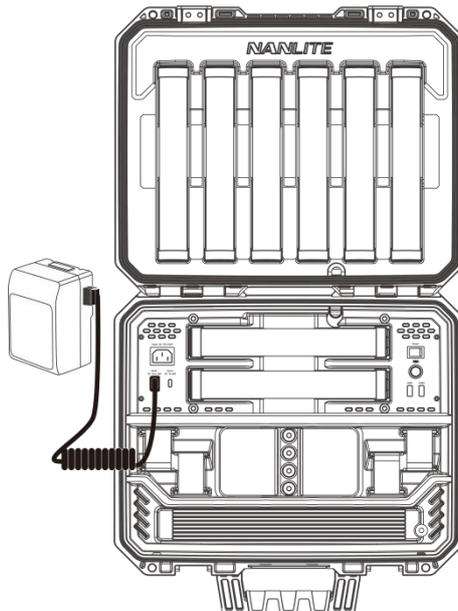
4. Installing Instructions

4.1. Connecting the Power Source

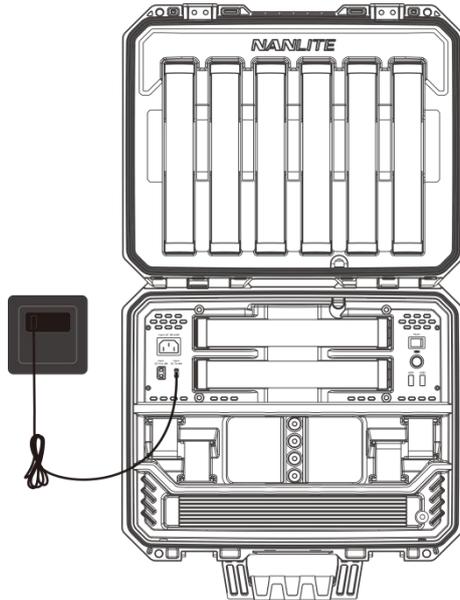
(1) Before using an AC power source to supply power to the fixtures, please turn off the power switch first and connect the AC cable as shown in the picture.



(2) Before using a battery to supply power to the fixtures, please turn off the power switch first, then connect the battery to the DC 14.4-28V input socket via the D-Tap cable.

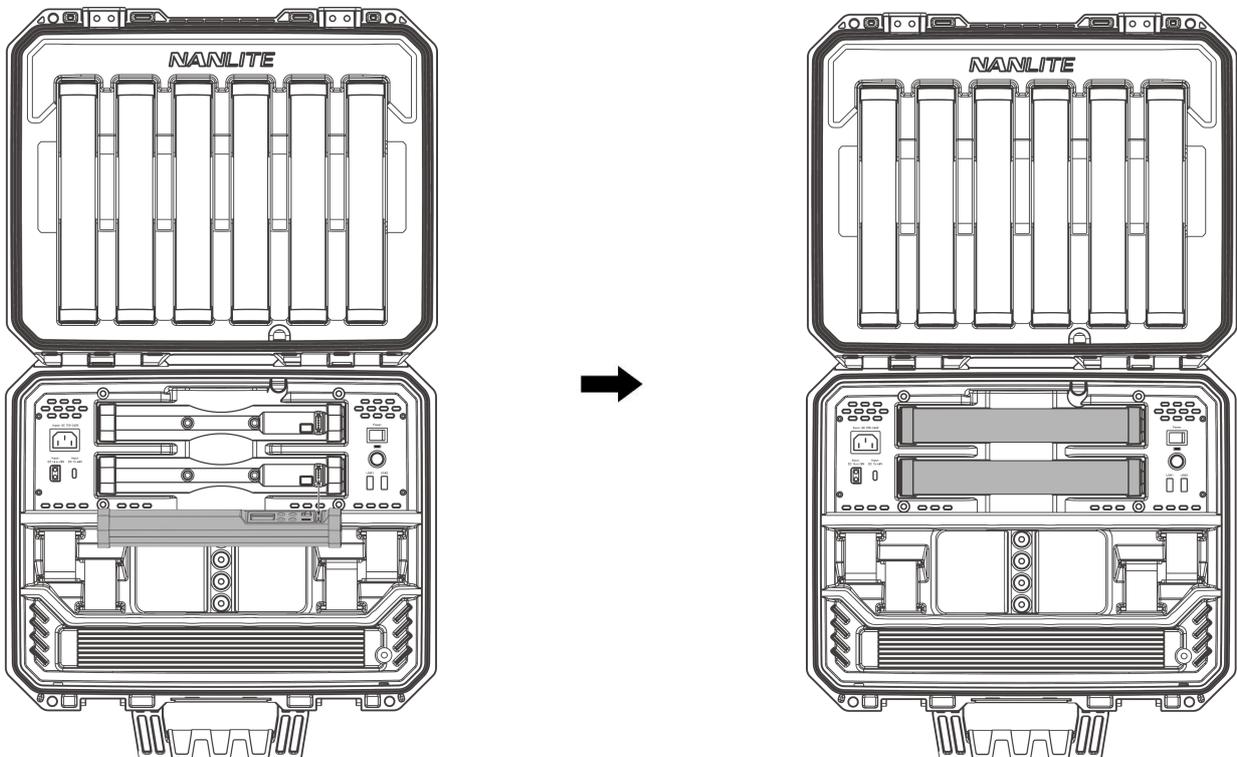


(3) Before using a PD adapter to supply power to the fixtures, please turn off the power switch first, then connect the PD adapter to the DC 15-48V input socket via a USB-C cable.



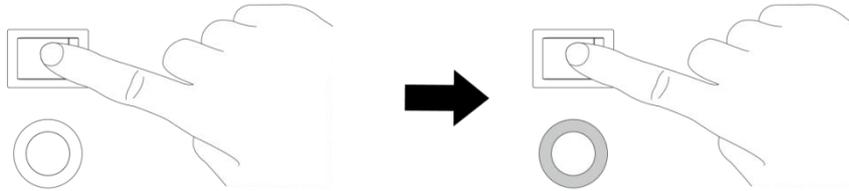
4.2. Installing the Fixture

Align the electronic contacts of the PavoTube II 6XR with the electronic contacts of the charging slot inside the case, and place the fixture into the slot.



5. Operating Instructions

Turn on the power switch, and the **Battery Indicator button** lights up, indicating that the PavoTube II 6XR 8-light kit case is in a power-supply state.



5.1. Charging Instructions

5.1.1. Charging the Fixture

This 8-light kit case can charge one to eight PavoTube II 6XR simultaneously.:

- (1) Connect the case with a power source.
- (2) Align the electronic contacts of the PavoTube II 6XR with the electronic contacts of the charging slot inside the case, and place the fixture into the slot.
- (3) Turn on the power switch to start charging.
- (4) Press the **Battery Indicator button** will make the PavoTube II 6XR tubes display the fixture's remaining battery level.

▲ **Note:** When the case is connected with power source and the power switch is turned on, the tube/tubes will be on with a breathing effect. When a new fixture is placed in, and the **Battery Indicator button** is pressed, all fixtures will simultaneously perform the breathing effect again.

5.1.2. Battery Level Instructions

The PavoTube II 6XR has 8 pixels in total, in the 8-light kit case, each pixel represents 12.5% of the battery level. If the PavoTube II 6XR shows yellow light, it indicates that the battery level is $\leq 37.5\%$. If the PavoTube II 6XR shows green light, it indicates that the battery level is $> 37.5\%$.

When the PavoTube II 6XR shows 1 pixel with a breathing effect, it indicates that the battery level is between 0% and 12.5%.

When the PavoTube II 6XR shows 2 pixels with a breathing effect, it indicates that the battery level is between 12.5% and 25.0%.

When the PavoTube II 6XR shows 3 pixels with a breathing effect, it indicates that the battery level is between 25.0% and 37.5%.

When the PavoTube II 6XR shows 4 pixels with a breathing effect, it indicates that the battery level is between 37.5% and 50.0%.

When the PavoTube II 6XR shows 5 pixels with a breathing effect, it indicates that the battery level is between 50.0% and 62.5%.

When the PavoTube II 6XR shows 6 pixels with a breathing effect, it indicates that the battery level is between 62.5% and 75.0%.

When the PavoTube II 6XR shows 7 pixels with a breathing effect, it indicates that the battery level is between 75.0% and 87.5%.

When the PavoTube II 6XR shows 8 pixels with a breathing effect, it indicates that the battery level is between 87.5% and 100.0%.

When the PavoTube II 6XR shows 8 pixels as green light and remains steady, it indicates that the battery is fully charged.

5.2. Firmware Update

Connecting with power source, put the firmware files of the 8-light kit case into the root directory of the USB drive (ensure the versions of the firmware files are the same), and insert the USB drive to the USB-C port.

Long press the Battery Indicator button, and turn on the power switch at the same time. Continue pressing the button for 1s to start update.

A flashing indicator light means "searching for firmware", a steady indicator light means "updating", and a breathing effect on the indicator light means 'updated'

▲ Note: ① Please do not rename the firmware files.

② Ensure the USB drive is formatted to FAT, FAT32 or exFAT.

③ If the indicator light keeps flashing for 10s and no firmware is found, the 8-light kit case will stop updating and power on. In this situation, please check whether the firmware files are correct, whether they are stored in the root

directory of the USB drive, and whether the USB drive is formatted to FAT, FAT32, or exFAT.

④ If all the above steps have been completed and the firmware files still cannot be found, please format the USB drive again.

⑤ If the 8-light kit case still cannot recognize the USB drive, please replace the USB drive.

5.3. External Power Supply

This 8-light kit case includes two USB-A output ports, for outputting 5V power.

6. Troubleshooting for Common Issues

| Issues | Troubleshooting Guide |
|--|---|
| The fixture can't power up. | <ol style="list-style-type: none"> 1. Please check whether the connections between the cable, 8-light kit case, and power source are loose. 2. Please check whether the power source voltage and frequency is within the specified range. |
| The Battery Indicator is on after a power source is connected, but the 8-light kit case can't charge the fixture. | <ol style="list-style-type: none"> 1. Please check whether the fixture has malfunctioned. 2. Please check whether the fixture is placed properly. |
| The fixture is charging but it shows fewer than 8 pixels with a steady light effect instead of a breathing effect. | <ol style="list-style-type: none"> 1. Please reconnect the power supply or change to another power source. 2. Please contact the place of purchase or manufacturer for repair, and please do not disassemble on your own. |

Please scan the QR code for more details



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