

# Professional Digital Battery Pack



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HECbox

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User Manual

## Battery Pack Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

### CAUTION:

- Please consult the store where you purchased this battery pack or your sales representative before using the battery pack in a product whose Operation Manual/Operating Instructions does not explicitly state that the battery pack can be used or before using the battery pack in conjunction with another power supply. Inappropriate use of the battery pack may result in unit misoperation.
- The internal impedance of the battery pack increases as the temperature drops to 5°C (41°F) or below. This may result in a shorter operating time or the failure of the component to which it is connected to turn on. This phenomenon occurs more frequently in battery packs that have been charged many times than in new ones.
- The performance and operating time of the battery may drop under cold conditions.
- Charge the battery pack only with the HEDBOX charger model or any other model dedicated to the this type of battery within a temperature range of 10°C to 30°C (50°F to 86°F).
- A large discharge amount may expedite the deterioration of the battery pack's internal cells. Continuous use at levels beyond the maximum discharge level may cause the protection circuit to shut off the current to protect the internal cells.
- This Battery Pack uses Lithium-Ion Battery Cells.

### Battery Pack Safety Guidelines

- Mishandling the battery pack can lead to bursting, fire, or chemical burns. Always handle with care.
- Do not disassemble or attempt to open the battery pack under any circumstances.
- Keep the battery pack away from rain, moisture, and any liquids.
- Avoid Mechanical Shock: Do not expose the battery pack to physical impact or force, such as hammering, dropping, crushing, or stepping on it. Such actions can cause severe damage and safety hazards.
- Prevent short circuits by ensuring that no metal objects come into contact with the battery terminals.
- Do not incinerate or dispose of the battery pack in fire.
- Avoid handling damaged or leaking lithium-ion batteries.
- Use only a genuine Hedbox battery charger or a compatible device to charge the battery pack.
- Keep the battery pack out of reach of small children.
- Ensure the battery pack remains dry at all times.
- Replace the battery pack only with the same or an equivalent type as recommended by Hedbox.
- Dispose of used battery packs promptly and according to the provided instructions.
- Do not use the battery pack near water, and clean it only with a dry cloth.
- Avoid installing the battery pack near heat sources, such as radiators, heat registers, stoves, or other equipment that produces heat.
- Use only attachments and accessories specified by the manufacturer.
- Unplug the battery pack from the supply unit during lightning storms or when it will not be used for an extended period.
- Refer all servicing to qualified personnel. Servicing is necessary if the battery pack is damaged in any way, such as if the power plug is damaged, liquid has been spilled, objects have fallen into the battery pack, it has been exposed to rain or moisture, does not operate normally, or has been dropped.
- Use the battery pack only with equipment that specifies its use in the operating instructions.

## Important Information

### Battery life

- Battery life may be shortened due to storage or operation in high temperatures.
- The performance and operating time of the battery may drop under cold conditions.
- Replace the battery pack when the operating time with a completely charged battery pack becomes noticeably short.
- The battery life is limited and varies in each battery pack according to the storage, operating conditions, and working operational environment.

### If you can't charge the battery pack

- If the charging process encounters no response under the following conditions:
  - During the initial attempt to recharge the battery.
  - After the battery has been idle for an extended period.
  - When the battery has been left inside the camera for an extended duration.
  - Right after the purchase.

In such instances, disconnect the battery from the charger and then reconnect it.

- If the second attempt at charging proves unsuccessful, there could be a potential issue with either the battery or the charger. Stop using them and reach out to your authorized Hedbox dealer, or contact us at [support@hedbox.com](mailto:support@hedbox.com) for assistance.

- If the battery pack terminals become dirty or dusty, clean them with a soft cloth.

- Once the protection circuit tripped, the battery pack will not auto-return to normal operational status.

To cancel the effect of the protection circuit, you must charge the battery pack with a charger dedicated to the lithium-ion battery pack.

### How to store the battery pack

- Store the battery pack in environment that is dry at temperatures between 0°C to 23°C (32°F to 73°F).
- If the battery pack is to be stored for a short period (approximately more than 24 hours and a month or less), discharge or charge it to 90% of its total capacity to prevent deterioration of its internal cells.
- When storing the battery pack for an extended period (more than a month) it is recommended to discharge or charge it to about 60% of its full capacity. The 60% capacity provide the best number of cycles-to-usage ratio. In this case charge it until the capacity reaches 60% once every six months.

### How to transport the battery pack by Airplane

- This Lithium-Ion Battery Pack has a rated capacity of less than 100 Wh. It can thus be transported as a non-hazardous lithium-ion battery. Related laws and regulations are, however, subject to change. For detailed conditions regarding the transport of battery packs, please consult your respective air transport company.

- When traveling by airplane and intending to carry Hedbox batteries, it is essential to adhere to specific air transportation regulations. To ensure compliance with safety guidelines, travelers must take special precautions. These include

- Ensure the battery is discharged to less than 30% of its total capacity.
- Store the battery in your carry-on baggage during check-in.
- Inform the airport security officer about the battery in your baggage.
- You are allowed to carry a maximum of two (4) batteries per trip.



## Compliance Statements

### EUROPEAN UNION COMPLIANCE STATEMENTS

Hedbox declares that the radio equipment described in this document comply with the EMC Directive 2014/30/EU & RoHS 2011/65/EU and the amendment directive (EU) 2015/863



#### European standards:

- EN 55032:2015: Electromagnetic Interference (Emission)
- EN 55035:2017: Electromagnetic Susceptibility (Immunity)

#### This product is intended for use in the following Electromagnetic Environments:

- E1 (residential),
- E2 (commercial and light industrial),
- E3 (urban outdoors),
- E4 (controlled EMC environment, ex. TV studio).



### WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE)

The Waste Electrical and Electronic Equipment (WEEE) mark applies only to countries within the European Union (EU). This symbol on the product means that used electrical and electronic products should not be mixed with general household waste. For proper treatment recovery and recycling, please take this product to designated collection points where it will be accepted.

Ensuring that these batteries are disposed of correctly will help prevent potentially negative consequences for the environment and human health, which could otherwise be caused by inappropriate battery waste handling. The recycling of the materials will help to conserve natural resources. To ensure that the battery will be treated properly, hand over the product at the end of its life to the applicable collection point to recycle electrical and electronic equipment.



- Hand the battery to the applicable collection point to recycle waste batteries.
- For more detailed information about recycling this product or battery, please contact your local Civic Office, your household waste disposal service, or the shop where you purchased the product.

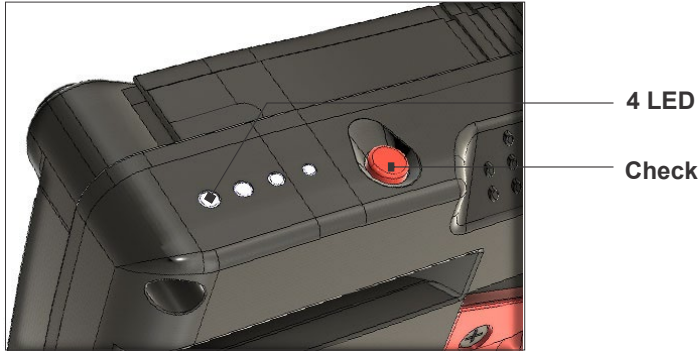
### UN38.3 CERTIFICATION FOR SAFE BATTERY TRANSPORTATION

The Li-ion Battery Pack had passed the UN 38.3 test and is classified as non-dangerous goods and also complies with the UN Recommendations on the Transport of Dangerous Goods; IATA Dangerous Goods regulations, and applicable U.S. DOT regulations for the safe transport of Li-ion Battery Pack. The Li-ion Battery Pack is transported according to the PACKING INSTRUCTION 965 Section B of IATA DGR 65rd edition (Proper shipping name and UN ID number: LITHIUM ION BATTERIES, UN No.: UN3480).



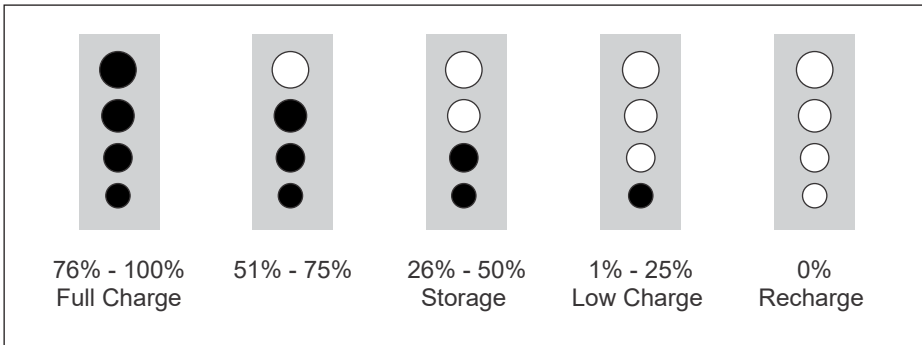
Related laws and regulations are, however, subject to change. For detailed conditions regarding the transport of battery packs, please consult your chosen shipping transport company.

## Capacity Meter - LED Indicator



### Testing the capacity of the battery pack:

- A four-step Blue LED display indicates the remaining capacity.
- Press the Test / Check button, and the remaining capacity of the battery pack will be shown on four-step LED display.



- If the Battery Pack is installed on the Camcorder with the function of powering the camera, the four-step LED Capacity Display may not show the exact capacity status of the battery pack.
- When only one (0%) LED indicates, please recharge the battery immediately.

### Self-diagnostic function

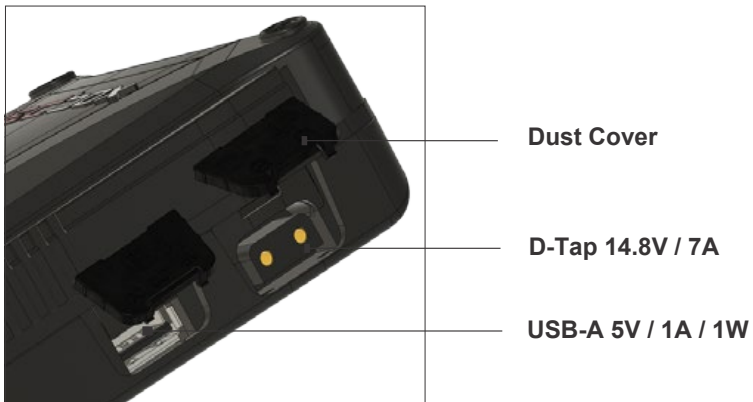
- If an abnormality is detected, the protection circuit will engage, causing all the LEDs to flash. Should this occur, discontinue use of the battery pack immediately. Once the LEDs begin flashing, the battery pack will be unable to use or recharge.
- After the protection circuit is activated, the battery pack will not automatically revert to normal operation. To reset the protection circuit, the battery pack must be charged using a charger specifically designed for lithium-ion battery packs (We recommend using the RP-DC50 charger to reset the battery protection.).

## *D-Tap 14.8V, 8A Power Output*

- Dual D-TAP DC Output socket can be used as 14.4V DC output or DC charging input.
- Open the rubber protective cover with the D-TAP sign on it.
- Plug in one D-Tap lead for DC output or battery charging.
- To keep the D-Tap socket away from dust, close the output with a rubber protective cover
- The maximum constant current the Battery can provide during DC14.8V Power Output is 7A

## *USB 5V, 1A / 5W Power Output*

- The USB-A 5V,1A/5W Power Output for charging mobile phones and all other units on USB.
- Open the rubber protective cover with a USB sign on it.
- Plug in the USB lead and connect to the device you want to charge.
- Press the CHECK Button for 3 seconds to switch/power on the USB charging.
- To keep the USB socket away from dust, close the USB output with a rubber protective cover.



## Recommended Accessories



**HED-DC150V**

### HED-DC150V Dual V-Mount Battery Charger

- For the best battery charging performance we highly recommend using the Hedbox HED-DC150V. Digital LCD Dual battery charger that conveniently charges two professional batteries simultaneously. The LCD display with blue backlight illumination provides a clear, accurate and precise display of power and charging status. Using the corresponding Hedbox DC Power Cable RPC-DC4X4 4-pin XLR female to male, the HED-DC150V becomes a powerful power bank station.

### HED-DC10 D-Tap/USB-C Fast Battery Charger

- For the best battery charging performance we highly recommend using the Hedbox HED-DC10 Fast Li-Ion Battery Charger. The supplied D-Tap cable makes battery charging extremely fast and secure.



**HED-DC10**

### IATA Li-Ion Battery Transportation Safe Bag

- For safe and secure battery transportation, we recommend purchasing the specially designed transportation safe bag for NINA battery the FIREBAG.



**NOTE:** All recommended products need to be purchased separately.

## Security QR Holo Serial Number Label



### Multy level High Security QR Hologram product authentication Label

- The product is marked with the Security QR Holo serial number label on the bottom of the battery.
- The QR Holo Label serves as the primary means for confirming the product's authenticity and originality.
- The label incorporates multi-layer high-definition protection including 365 Nm mark.
- It features a distinctive security holographic protection.
- The product has a unique serialization linked to the global Hedbox database.
- Durable, robust, self-adhesive label material; kindly refrain from attempting to peel off the label.

#### NOTE:

Attempting to remove the security label will cause it to self-destruct, resulting in the forfeiture of the product warranty in this particular case.

## Product registration and verification

To verify your product and proceed with registration, please follow the next steps

- Go and visit the verification section on the Hedbox web page at [www.hedbox.com/verification](http://www.hedbox.com/verification).
- Follow the verification procedure





## Specification

Battery Pack Type:	Lithium-ion Battery
Mount Type:	V-lock / Aluminium Alloy
Power Meter:	4 - LED
Internal Battery Cells	18650 x 8
Output Voltage:	V 14.8 DC
Minimum Out Volatge:	V 10.0 DC
Max. Constant Output	<b>10A / 145W</b> ( Max )
Battery Capacity:	98 Wh / 6700mAh
<b>USB Output:</b>	5V, 12W / 2.4A ( max )
<b>D-Tap Output:</b>	14.8V, 100W / 6.8A (max)
Internal Construction:	Cells Framing Construction System
Charging On:	HED-DC150 , HED-DC10 , RP-DC200
Temperature:	-20°C to +45°C (-4°F to +113°F)
Mount material:	Aluminum Alloy
Dimensions (W/H/D)	152 x 96 x 41 mm   5.98 x 3.78 x 1.61"
Net Weight:	560 g   1.23 lb

**No compensation for contents of the recording**

- The content of the recording cannot be compensated if shooting or reproduction are not possible due to a malfunction of the battery pack or other devices.
- Design and specifications are subject to change without notice.

If you want to know more about HEDBOX Products please visit our website: **[www.hedbox.com](http://www.hedbox.com)**

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If you find that some technical features or external appearance of your product differ from the ones inserted in this User's Manual, please send a detailed e-mail to [support@hedbox.com](mailto:support@hedbox.com).

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**Note:**

Always ensure that the unit is operating properly before use.

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# HECbox

We Power Your Bussines



HED-BPU



NINA



NERO Series



BATTERY CHARGERS



**RP-VB078**



**HED-A60**



**RP-BP975**



**UNIX**



**RP-LPE6H**



**HOLD II**



**4CH CHARGER**