

# D-Tap & USB-C Battery Charger



## HED-DC10



# HEDbox

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## User Manual

Thank you for your purchase of the HEDBOX battery charger. This intelligent charger for digital camera and camcorder batteries was designed with advanced power charging technology, allowing you to charge your professional batteries at studio or at home. The charger is compatible with Li-Ion rechargeable batteries. Please read these operating instructions carefully before operating this unit to charge battery pack.

## Important Safety Instructions

- Retain these guidelines, adhere to all cautions, and comply with every directive.
- Do not use this apparatus near water.
- Clean unit only with dry cloth.
- Do not block any ventilation openings.
- Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Specially designed for use on all Hedbox Battery Packs.
- Don't try to disassemble or open the cover under any circumstance in order to avoid danger.
- The charger will be damaged if not used properly.
- Children should use it under the supervision of adults.
- Take out the rechargeable battery from the charger slot when the battery is entirely charged or if the charger process is stopped.
- It's common for the unit to feel warm when using.
- Avoid dropping and bumping otherwise the electrical components will be damaged.
- To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
- To avoid electrical shock, do not open the cabinet.
- When installing the unit, incorporate a readily accessible disconnect device in the fixed wiring, or connect the power plug to an easily accessible socket-outlet near the unit. If a fault should occur during operation of the unit, operate the disconnect device to switch the power supply off, or disconnect the power plug.
- Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

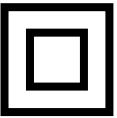
## Product Conformity Regulations



- This symbol is intended to alert the user that the product conforms to all EU Directives.



- This symbol is intended to alert the user that the product must not be disposed of as household waste.



- This symbol is intended to alert the user that the product is in safety class II: the product is double insulated and does not require a safety connection to electrical earth.



- This symbol is intended to alert the user that the product is intended for indoor use only.



- This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



- This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



- This symbol is intended to alert the user that the product conforms to the restriction of hazardous substances in electrical and electronic equipment.

- For the customers in the U.S.A.

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. - Consult the dealer or an experienced radio/TV technician for help.  
You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

- For the customers in Europe

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).

## Product Features

- Charges a battery pack that runs on 14.4V to 14.8V thru D-tap power port
- **IDL** (Indication Display LED) status light displays the power, battery ON, charging, and USB-C power supply status with dual color (red and green) light.
- USB-C support PPS and PD 3.0 QC2.0/QC3.0/PPS/AFC/FCP/SCP/DCP-1.5A/APPLE-2.4A
- Worldwide power use with voltage input between AC 100 - 240V;
- With advanced MCU control, charger fully controls the charging process of the battery.
- 100,000 levels of anti-static design, high temperature and fire-proof makes it safer.
- Passed MBTR 5000H test and has patent with more reliable quality warranty;
- Safety protection:
  - Over temperature protection reaches at 85°C,
  - Over voltage protection reaches at 19.5V,
  - Over current protection reaches at 6.5A,
  - Short circuit protection & Charging time protection
- Specially designed for use on all Hedbox Battery Packs.
- Dual charging technology, the CC and CV, provides high battery charging efficiency.

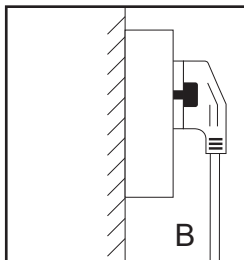
## Overview



### Product Components:

1. IDL Indication Display LED status light
2. AC Power Socket 100V - 240V / 50-60Hz
3. D-Tap charging connector
4. Charging cable length 1.2m
5. USB-C Charging power socket PPS PD 3.0

## Operation instruction:



1. Plug the supplied power cord on the main AC power outlet (picture B).
2. Plug the other side of the supplied power cord to the charger AC Power (picture C).
3. The charger will turn ON automatically.
4. The indicational LED light will illuminate green, and the charger is operationally ready.

## USB-C Power Output PD 3.0



- USB-C Power Out supporting the PPS PD 3.0 Power Delivery, provides safe charge and power for any USB powered device (picture D).
- Use any USB-C Power cable to charge any battery that support USB charging.
- Use any USB-C Power cable to power any product that support USB PD 3.0 power supply.

### NOTE:

- The D-Tap Charging port and USB-C Power out can not operate simultaneously.
- System automatically recognizes which power source is in use. If both outputs are loaded at the same time, the device will prioritize the use of the USB-C output.
- The D-Tap is a charging port only and can not operate as a constant power supply! output!

## Charging technology

- Intelligent charging systems integrate the control systems within the charger and the electronics within the battery to allow precise control over the charging process. As a safety precaution with high-capacity batteries, a pre-charging stage is used. The charging cycle is initiated with a low current. If there is no corresponding rise in the battery voltage, it indicates that there is possibly a short circuit in the battery (zero volt activation).
- Constant current/constant voltage (CC/CV) charging mode effectively charges lithium batteries. When a lithium battery is nearly empty, we take constant current to charge it. The charger CPU automatically adjusts the charging current to be lower than the maximum charging current that the battery can accept. With constant current charging, the battery's voltage rises slowly until it reaches a maximum voltage; at this point, the charger switches the charging method to "constant voltage" and reduces the charging current.
- When the battery is fully charged, this state is stopped.

## Notice

- Please check that the components size and voltages are compatible according to your Camcorder DC Voltage Input or battery pack charging voltage and current.
- Please use the manual instruction of the camcorder or battery pack, and read this manual carefully before using the unit with this AC Adaptor / Charger.
- We are not responsible for any damage caused by incorrect use or operation.
- This device is for indoor use only, don't put or use it in high temperatures and high moisture environment.
- It's a common phenomenon for the unit to feel warm when using;
- Avoid dropping and bumping otherwise the electrical components will be damaged;
- Don't try to disassemble or open the cover under any circumstance in order to avoid danger.
- The charger will be damaged if not used properly.
- Children should use it under the supervision of adults.
- Take out the D-tap connector from the charging slot of the rechargeable battery when the battery is entirely charged, or if the charger process is stopped.
- It's common for the unit to feel warm when using.
- Avoid dropping and bumping otherwise the electrical components will be damaged.

## *Supplied USB-C LCD power cable*



### **USB-C LCD Power Cable**

- For best USB-C battery charging and power supply capabilities, please use supplied RPC-D65W USB-C / USB-C power cable
- The cable has an LED display that in real-time show charging power, charging status.
- Built-in smart chips monitor the charging power and adjust current and voltage automatically, avoiding damage to the battery in case of an unstable current.
- Cable Length: 1.2m / 3.93 ft
- Cable Type: USB-C to USB-C
- Power Delivery 3.0, Qualcomm Quick Charge 5.0 protocol (2.0/3.0/4+)
- Super fast charging 2.0 and PPS 65W/45W/25W

#### **NOTE:**

Display module just show charging power, it neither increases nor decrease charging current



## 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

AC Power Input:	AC 100V ~ 240V / 50 - 60Hz
Power Consumption:	85W (max)
Control Display:	IDL (identificational Display LED)
D-Tap Charger Out:	16.8V / 3A (max) CC/CV Charging type
USB Output:	USB-C / PPS PD 3.0 / 65W (max)
Charging Method:	Super fast charging 2.0 and PPS 65W/45W/25W
Battery Charging Type:	Ni-CD , Ni-MH . Li-Ion
Operating Temperature:	-20°C to +45°C (-4°F to +113°F)
Dimensions (WxHxD):	124 x 56 x 34.5 mm / 48.8 x 22.0 x 13.6 In
Neto Weight:	224 g / 7.9 oz.

### **No reimbursement for the recorded content.**

- Compensation for the recording content is not feasible in the event of a malfunction in the battery pack on other devices, preventing shooting or reproduction.
- Please note that design and specifications may change without prior 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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### **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



RP-LPE6H



UNIX



HOLD II



4CH CHARGER