

**EN** English

# D-Tap & USB-C Battery Charger

## HED-DC10



# HED50X

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User Manual

Thank you for your purchase of the D-Tap / USB-C battery charger HED-DC10. 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 that run on power voltage of 14.4V to 14.8V. Please read these operating instructions carefully before operating this unit to power up professional camcorder or to charge battery pack. The IDL (Identification Display Led) with red and green light illumination provides a clear display of power and charging status. USB-C Power Out supporting the PPS PD 3.0 Power Delivery, provides safe charge and power for any USB powered device.

## Product Features

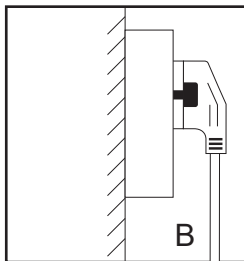
- Charges a battery pack that runs on 14.4V to 14.8V thru D-tap power port
- **IDL** (Indication Display LED) status light displays the power, battery ON, charging, and USB-C power supply status with dual color (red and green) light.
- **USB-C** support PPS and PD 3.0 QC2.0/QC3.0/PPS/AFC/FCP/SCP/DCP-1.5A/APPLE-2.4A
- 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.
- Pre-charging function 0V activation efficiently extends battery life.
- Automatic charging power out recognitions

## 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 lenght 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.

## 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.

- Design and specifications are subject to change without notice.

# HEDBOX



**Note:**

Always ensure that the unit is operating properly before use.

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