

EN English

Quad 4-Chanel Simultanius UPS Battery Charger RP-DC200



HECBOX

User Manual

Thank you for your purchase of the professional quad simultaneous power bank battery charge RP-DC200. 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 use this unit to power up professional camcorder or to charge battery pack.

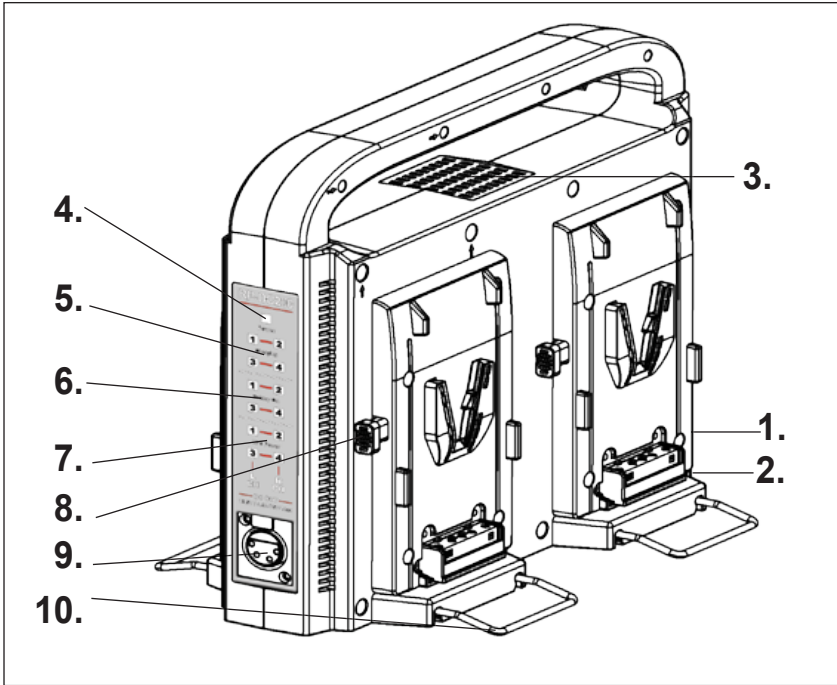
Product features

- Charges a professional battery pack that runs on 14.4V to 14.8V
- Supplies power for professional studio cameras, LED Light, field monitors etc.
- LED displays the power status, battery ON status, charging status, and UPS Back Up Power Supply status, with red, blue and green colors.
- Provides constant output voltage of: 16.5V / 4.5A ; 75W
- Worldwide use with input between AC 100 - 240V;
- With advanced MCU Micro-Computer Chip control, charger fully controls the charging process of the battery.
- With CH1, CH2, CH3 or CH4 battery attaches to the unit. On DC Power Out, RP-DC200 provides power bank Back Up power supply - UPS mode in case of AC failure.
- 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;

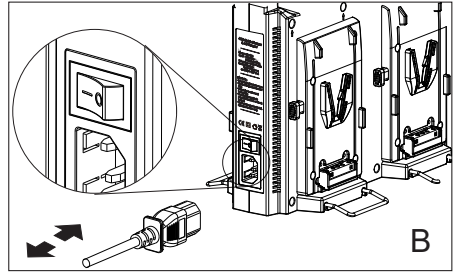
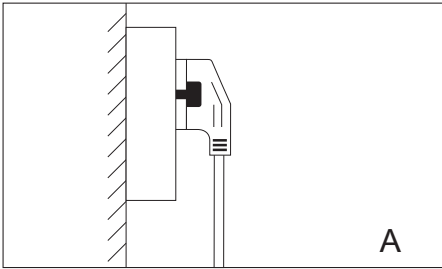
- Safety protection :
 - Over temperature protection reaches at 85°C,
 - Over voltage protection reaches at 19.5V,
 - Over current protection reaches at 6.5A,
 - Short circuit protection & Charging time protection

- Quad charging port design provides simultaneous charging of four batteries different capacity.
- Specially designed for use on all V-Mount Hedbox Battery Packs.
- Dual charging technology, the CC and CV, provides high battery charging efficiency.
- Pre-charging function 0V activation efficiently extends battery life.
- 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 a common phenomenon for the unit to feel warm when using.
- Avoid dropping and bumping otherwise the electrical components will be damaged..

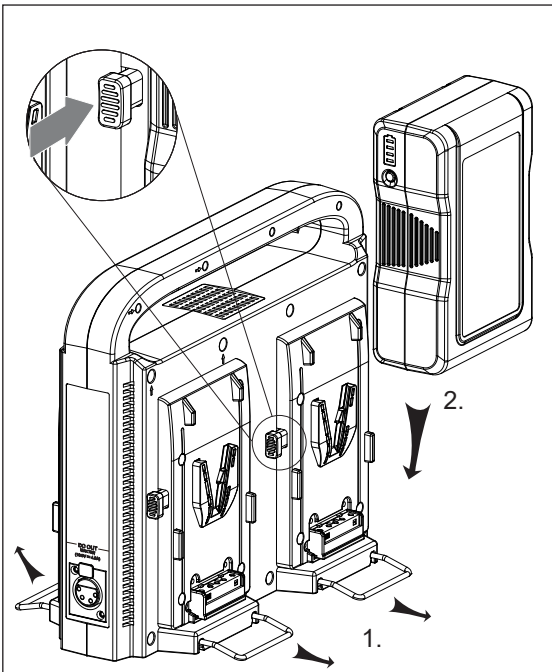
Overview

**Product Components:**

1. Main Power switch ON/OFF
2. Power Socket 100V - 240V / 50-60Hz
3. Fan Cooler (Provides cooling of the unit)
4. Power LED Indicator (Red Color status charger unit is ON)
5. Battery Charging LED Status
6. Battery connected on charger LED Status
7. UPS (Uninterruptible power supply) BackUp Power Supply LED status
8. Battery release push up button
9. 4-Pin XLR (Female) DC Output 16.5V / 4,5A 75W

Operation instruction:

1. Plug the Power Cord on the wall AC power (picture A).
2. Plug the cord on the RP-DC200, and turn ON the AC Power Switch (picture B).
3. The "Power" LED indicator will illuminate Red during AC power.

Battery instalation on charger:

1. On the bottom of the Charger use and spread wide the Spider Stability Support legs. This will allow the charger to have extra stability when the battery is attached to the main body of the RP-DC200 charger.

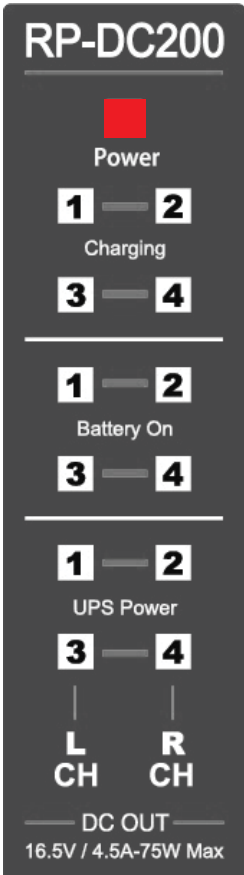
2. Use V-Mount Battery, insert battery in to the V-lock Mount plate. Observe the Charger LED "Battery On" indicator. It will illuminate BLUE, if the battery is attached appropriately.

Charging battery pack:

1. When you insert battery to the charger, LED “Battery On” indicator illuminates BLUE, which indicates that the battery is ready for charging. The charger has four charging plates, that on the LED Indication screen is indicated as CH1, CH2, CH3 or CH4. After insertion of one (1) or two (2) batteries on the charger, charging process starts automatically with 3A±400mAh (Dual Mode). If you insert third (3) or fourth (4) battery charging process will switch to Quad Mode 2A±400mAh (simultaneous charging). Charger LED When “Charging” indicator illuminates RED, it indicates that the charging process of the Battery is activated.

2. If the SOC ≥ 85% (State Of Charging) charger LED “Charging” indicator illuminates GREEN, it indicates that the charging process is at the finishing stage.

3. When the charging process is finished and battery is fully charged, Charger LED “Charging” indicator will go OFF, indicating that the charging process is done and the battery is full and ready to use.



Power	LED		Indication
	Power LED Off	○	No AC Power or Charger main power Switch is Off
	Power LED On	●	Charger Power is ON

Charging	LED		Indication
	#1 #2 #3 #4 LED On	●	Battery (CV) Mod Charging Proces < 85% Capacity
	#1 #2 #3 #4 LED On	●	Battery (CC) Mod Charging Proces > 85% Capacity
	#1 #2 #3 #4 LED Off	○	Battery Fully Charged = 100% Capacity
#1 #2 #3 #4 FLESH	⚡	Battery Charger Out is shorted or overloaded	

Battery	LED		Indication
	LED On	●	Battery ready for charging or UPS
	LED Off	○	No battery on charger

UPS Power	LED		Indication
	LED On	●	Battery provide UPS Power Supply on XLR Out
	LED Off	○	Battery off or depleted for UPS Power Supply

DC out powering & power bank mod:

1. To Power any pro camcorder or any other unit with constant power, on DC out, use the supplied DC-DC4X4 cable with 4-pin XLR (Male to Female) Connector. Connect the cable to the charger DC 4-pin Power Out (picture F.)

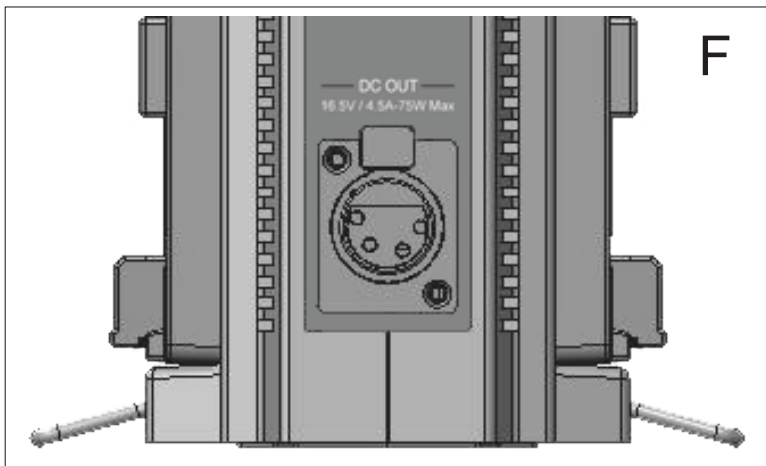
2. When a RPC-DC4X4 cable is plugged into the 4-pin XLR auxiliary power output, and the main power switch on the charger RP-DC200 is ON, charging process of the battery will be suspended. The “Charging” LED will go OFF and “Battery On” LED indicator (if the battery is on the charger) will illuminate BLUE.

In this case output power is 16.5V 4.5A/ 75W.

3. If you turn OFF the main power switch on the charger, or unexpected main electric power failure occurs (AC input is cut off), Charger RP-DC200 with the inserted battery will automatically go to the UPS BACK UP POWER MODE. In this case, the RP-DC200 provides power to the DC Out from the battery that is attached to the charger, the “UPS Power” LED indicator illuminating green, indicates that the power from the battery is provided to the DC Out.

4. When two, three or four batteries are attached on the charger at the same time, the UPS powering from the battery to the DC Out is made by priority.

5. Once the cable is unplugged, the charger will continue the previous charging sequence and from the same point of interruption.



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.

Specification

AC Power Input:	AC 100V ~ 240V / 50 - 60Hz
DC Power Output:	DC 16.5V / 4.5A / 75W (max)
Control Display:	LED Display
Single Charger Out:	CH1 / CH2 / CH3 / CH4 16.8V / 3A
Dual Charger Out:	(CH1 & CH2) or (CH3 & CH4) 16.8V / 3A
Quad Charger Out:	(CH1 & CH2 & CH3 & CH4) 16.8V / 2A
Output Connection:	4-Pin XLR (Female)
Battery Charging Type:	Ni-CD , Ni-MH . Li-Ion
Operating Temperature:	-20°C to +45°C (-4°F to +113°F)
Dimensions (WxHxD):	265 x 103 x 223 mm
Neto Weight:	3300g

- Design and specifications are subject to change without notice.

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Note:

Always ensure that the unit is operating properly before use.
HEDBOX WILL NOT BE LIABLE FOR DAMAGES OF ANY KIND INCLUDING, BUT NOT LIMITED TO, COMPENSATION OR REIMBURSEMENT ON ACCOUNT OF THE LOSS OF PRESENT OR PROSPECTIVE PROFITS DUE TO FAILURE OF THIS UNIT, EITHER DURING THE WARRANTY PERIOD OR AFTER EXPIRATION OF THE WARRANTY, OR FOR ANY OTHER REASON WHATSOEVER

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HOLD II



4CH CHARGER