HCPRIME
Battery Pack
Instructional Manual

THIS BATTERY SHIPS IN STORAGE MODE.
Press the LED button to awaken the battery pack. You may also charge the battery pack full to awaken. Keep in mind some 3rd party chargers will not charge the pack when in storage mode. If the battery is in storage mode(LCD blank), the battery pack is functional, but no smart data transmission will occur.

Introduction:

Thank you for your choice in purchasing a Core SWX battery pack. The battery is designed to improve and assist you in your mobile powering requirements. This product is at the pinnacle of technological advancements, offering the features and performance of several different products, making it the most advanced battery product in the industry.

Please read this manual to help you understand and capitalize on the features of this battery.

Features:
- 2-Part Li-Ion Design
- RunTime LCD
- On-Board Microprocessor stores: Name, Serial Number, Voltage, Temperature, Current, Chemistry Type, Charge Cycles, and Date of Manufacturing.
- The Viewfinder Capacity Display communicates with the camera to display your remaining battery capacity in your camera's viewfinder. This includes Sony, BMD and RED DSMC2 models.
- Four Stage, accurate, LED power gauge.
- No memory effect.
- Temperature, current, and voltage protection.
- Rubberized casing provides a shock absorbing, non-slip shell to protect the battery pack.
- Incorporated ptap/dtap provides unregulated power(11v-16.8v), as well as a 5v USB. The USB can also be used as a firmware update port.

    *contact Core SWX for confirmation of battery charger compatibility if using other chargers.

Important Note when using;

This battery pack consists of two serialized halves for air travel. To ensure proper operation and prevent MCU corruption, always use matching serialized halves for both charge and discharge operations. Using either half alone will imbalance the pack and may lead to damage. Mixing halves from different units may also damage the battery's MCU.

Operation:

1. ***Charging the Battery:***
    - CoreSWX HC batteries were designed to be used with CoreSWX chargers. Any other charger may damage the battery and/or the charger. Please contact us before using other chargers.
    - CoreSWX batteries can be recharged in any charge condition.
    - Charge the battery in the ambient temperature range of 0ºC and 45ºC. For best results charge in an environment between 10ºC and 35ºC. Charging in conditions outside the aforementioned ranges may inhibit the pack from reaching maximum charge capacity.

2. ***Discharging the battery:***
    - Maximum continuous discharge for the is 10A(120W) with a 10s second peak discharge rate of 12A(144W)

LED Indication Guide:

Battery Charge Level:

1 Segment: 0-24%
2 Segment: 25-49%
3 Segment: 50-74%
4 Segment: 75%-100%

Over time the RunTime LCD and power gauge's accuracy is dependent upon a full charge and discharge. At least once every 2 months the battery should be fully cycled(discharged and recharged) so the battery can relearn the capacity of the battery.

Runtime LCD Display

The HCPRIME is equipped with a 3-phase backlit runtime LCD, strategically mounted on the front of the pack, providing the camera operator or grip the ability to access information on battery life and charge status at a glance. This advanced LCD is designed to display estimated runtime when the pack is not in use and actual calculated runtime when it is in use by sampling the load every 3 seconds. Additionally, the LCD displays a bar graph, runtime in hours and minutes, and remaining percentage capacity.

Camera Communication:

Once connected to a camera which supports SMBUS or single-line data communication, the battery will convey, in real time, power data to the camera.

HCPRIME Incorporated Dtap/Ptap and USB A:

The battery's integrated Ptap power solution also works to deliver DC [voltage] of power output. The ptap is fused based on the battery packs' overall output capabilities. The P-Tap is a Smart Tap that is able to carry SMBUS/smart battery data.

For additional dynamic charging options, the battery offers USB-A aux connection as well that provides DC 5v,3A in power.

Battery Storage:

In the event the battery pack won't be used for an extended period of time, store the battery pack at 40% charged in an environment between 10°C and 35°C. Every two months the battery pack should be fully cycled to reduce the change of self discharge and capacity loss.

Notes on Use:

- An increase in temperature is normal during charging and discharging.
- Make sure to keep battery contacts clean.
- Do not attempt to disassemble the battery. Please contact Core SWX for any service issues.
- Keep batteries separated when transporting.
- Keep the battery pack dry and avoid use in humid environments.

HCPRIME Air Transport Compliance:

Each half of this battery pack listed above is suitable for air transport as a non-hazardous article under the regulations of the IATA, the ICAO, and the UN. This claim is valid when the Hypercore PRIME is SEPARATED IN TWO during travel. Each half of the HCPRIME contains less than 8 grams of equivalent lithium content. This quantity is in compliance with section A45-2* of the Hazardous Substance Standards of the ICAO. Each half is suitable for air transport as a non-hazardous article.
* Section A45-2: Lithium cells and lithium batteries are not subject to these instructions
if they meet the following requirements: For a lithium ion battery the aggregate equivalent
content is not more than 8g

Specification Data:

HCPRIME-S: V-mount Connection
HCPRIME-AG: 3-Stud Mount Connection

Capacity: nominal 190wh (14.8V, 13.5 Ah)
Each Half: 95wh (14.8V, 6.7Ah)
Size: 3.8 x 6.6″x2.4″
Weight: 2.6 lbs.
Normal Runtime: (25W): 7.6Hrs
Max Load: 10A

Warranty:

This product is warranted to the Original Purchaser against all defects in material and or workmanship for the period herein.

The warranty period shall be, 2 years for parts and labor, unless otherwise noted. Core SWX agrees to pay equal return freight costs to return the product the same method it was received. In the event of an issue, purchaser agrees to the below RMA procedure.

Procedure:

1. Go to http://www.coreswx.com/repairsreturns and fill out the online form
2. Print the RMA number confirmation, and ship the product needing service to Core SWX, LLC. along with RMA number confirmation, and copy of bill of sale.
3. All shipments must be done either through UPS or FEDEX, and insured if necessary
4. Core SWX, LLC. is not responsible for any lost shipments.

Core SWX reserves the right to repair or replace any defective product under warranty after Core SWX determines which is more practical.

If Core SWX receives defective product for warranty repair and they are found to be defective as a result of misuse or other damage, not caused by normal wear and tear, Core SWX will notify the customer of an estimate of repair. Customer will incur costs. There are no further warranties, either expressed or implied, including warranties of merchantability or fitness for a particular purpose that has any bearing upon this transaction.

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