



***XCELL™ V150
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.

Thank you for your choice in purchasing a Core SWX battery. 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:

- On-Board Microprocessor stores: Name, Serial Number, Voltage, Temperature, Current, Chemistry Type, Charge Cycles, and Date of Manufacturing.
- Four Stage, accurate, LED power gauge.
- ColorID™ OLED Battery Display protected by Gorilla Glass®
- No memory effect.
- Temperature, current, and voltage protection.
- Up to 100w USB-C PD connection for fast charging.
- Incorporated 2-pin powertap provides unregulated power (10A) and USB-A aux outputs.
- Fixed 8v and 12v DC barrel outputs

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

Operation:

Charging the Battery:

- CoreSWX batteries were designed to be used with CoreSWX V-mount chargers or any USBC-PD Chargers. Any other V-mount 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 ambient temperature range of 0°C and 45°C. For best results charge in an environment between 10°C and 35°C. Charging in conditions outside the aforementioned ranges may inhibit the pack from reaching maximum charge capacity.

Discharging the battery:

- Maximum continuous discharge for the is 10A(120W) with a 10 second peak discharge rate of 12A(144W)

ColorID™ Display:

To activate the ColorID Display on an Xcell pack, press the top-mounted button, or simply connect the pack to begin charging or discharging—either action will automatically wake the display. Once active, a **single button** press toggles between percentage remaining and estimated time (runtime during discharge or charge time when charging).

A **double press** of the button displays the custom battery identification logo, which can be customized via firmware. This logo will remain visible until the button is pressed again, returning the display to the percentage/time readout.

A **triple press** enters ColorID mode. Once active, the wraparound LEDs will begin flashing, allowing you to cycle through the available color presets. To select your preferred color, hold the button—rapid LED flashes confirm the color has been saved. You can change the display color at any time, always using the top button for control.

Charging with USB-C-PD:

- Xcell packs support up to 100W input via the USB-C connector when used with a compatible USB-C PD (Power Delivery) charger. The battery's BMS is programmed to prioritize safety and maximize long-term service life. While 100W fast charging is possible, it is only enabled during a controlled portion of the charge cycle to reduce stress on the cells. If the pack is at 0% or in a low-voltage state, it may take up to 30 minutes to reach a sufficient charge level before fast charging begins. During this initial stage, the lightning bolt icon (indicating active charging) may not appear until the pack reaches approximately 3%. Rest assured, the pack is charging as intended.

Wraparound LED Power Gauge:

The pack's LED power gauge will automatically display once the pack is being used. When not in use, press the button on top of the pack to check charge capacity status.

Battery Charge Level:

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

Overtime 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 charged) so the battery can relearn the capacity of the battery.

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.

ColorID Custom Identification Logo and Firmware Updates

Updating Firmware and Custom ColorID Logo on Xcell Packs

Xcell packs support firmware and logo updates directly via USB-A, with no PC or Mac required. To update your battery's firmware or change the ColorID display logo, follow the steps below:

1. Create Your Logo File
 - To generate a custom ColorID identification logo, visit the Core SWX Loyalty Portal or contact support@coreswx.com for assistance. The logo file must be prepared via the portal before loading onto your battery.
2. Preparing a USB thumb drive
 - Use a USB-A flash drive formatted as FAT32 or exFAT which is $\leq$ 32GB in storage capacity.
 - Copy your firmware file and/or logo file to the root directory of the drive.
 - We recommend keeping only one firmware file and one logo file on the drive at a time to avoid conflicts.
3. Perform the Update
 - Plug the USB flash drive into the USB-A port on the battery.
 - Press the reset button, located in the center of the P-Tap port.
 - The battery will automatically detect the files, upload the firmware and/or logo, and reboot. This process takes approximately 3 to 8 seconds.
4. Confirm the Update
 - To verify the logo update, double-press the LED display button to view the custom logo.
 - To check the firmware version, press and hold the LED display button for 5 seconds.

If you encounter any issues or need assistance creating logo files, please contact support@coreswx.com.

USB-C PD/USB-A/Ptap Connection:

- The integrated USB-C Power Delivery (PD) port functions as both input and output, supporting DC 5V, 9V, 15V, and 20V up to 100W. Whether you're powering on-set monitors or charging the pack itself, the USB-C connection enables fast, efficient power transfer tailored to your device's needs—helping to extend battery lifespan and reduce downtime.
- The battery's onboard P-Tap port delivers regulated DC output between 11V and 16.8V and also supports input charging from compatible sources. The port is internally fused based on the pack's total output capacity to ensure safe, reliable operation across demanding workflows.
- An auxiliary USB-A port rounds out the battery's I/O options, supplying DC 5V at up to 3A—perfect for charging mobile devices, wireless receivers, or other 5V accessories without needing a separate power source.

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 battery pack dry and avoid use in humid environments

XCELL V150 Air Travel Compliance

The battery pack models listed above are suitable for air transport as a non-hazardous article under the regulations of the IATA, the ICAO, and the UN. According to IATA regulations, Lithium-ion batteries may not be checked into the hold of a passenger aircraft, however, the XCELL150V battery pack may be taken on-board in your carry-on baggage subject to the prior approval of your airline. Check with your airline's rules for specific limitations. Spare batteries should be individually protected to prevent the possibility of short circuits.

* 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:

XCL-150V: V-mount

Capacity: 148wh (14.54v, 10.2Ah)

Mount Type: V-mount

Output to Camera/Ptap: DC 11-16.8v

USB-C PD Charge Input: Up to 100w

USB-C PD Output: DC 5v/9v/15v/20v, 65w

USB-A Output: DC 5v,3A

DC Barrel: 2.1mm: 8v, 3A/2.5mm: 12v, 3A

Size: 3.93" x 2.83" x 2.2"

Weight: 1.3lbs.

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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Patents Pending