# CORE

**Powerbase Edge Link**
**Battery Pack**
*Instructional Manual*

***THIS BATTERY SHIPS IN STORAGE MODE.***
***You will need to charge the battery pack to awaken. Keep in mind some 3<sup>rd</sup> party chargers will not charge the pack when in storage mode.  If the battery is in storage mode, 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:*

- Efficient multi voltage output with 5V/7.4V/USB-C 5v-20v/14v Vmount connection outputs
- Runtime backlit LCD
- Dynamic linking capabilities for increased power supply
- Quick release plate for robust mounting solutions
- No memory effect.
- Temperature, current, and voltage protection.
- Incorporated 5v USB.  The USB can also be used as a firmware update port.
- Incorporated USB-C port with power sensing capabilities to deliver correct power to connected device

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

## *Operation:*

1. ***Charging the Battery:***
   - CoreSWX PowerBase Edge Link batteries can be charged via a Vmount, ptap, or USBC PD chargers.
   - CoreSWX batteries can be recharged in any charge condition.
   - Charge the battery in 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 pack is 8A.
   - The LCD will automatically turn on when in use.
   - During use, the backlight for the LCD will turn on.
   - During operation, the battery samples the current entering or exiting the battery in 7 second intervals and conveys via the backlit LCD display.

### *Side Runtime LED:*

The PowerBase Edge Link is equipped with a 3-phase backlit runtime LCD, strategically mounted on the side of the pack, providing the camera operator the ability to view information on battery life and charge status. Additionally, the LCD displays a bar graph, runtime in hours and minutes, and remaining percentage capacity.

### *PowerBase Edge Link Voltage Output:*

The pack features standard 14V V-mount connections and a 7.4V port compatible with most mirrorless cameras when coupled with powerbase dummy battery cables. Additionally, it includes one USB-A output providing 5V at 3A, and one USB-C PD port. Like all CoreSWX battery products, it comes equipped with an integrated P-Tap (PowerTap/DTap) connector on the side, featuring Smart Tap technology. This allows you can power any 12VDC device directly from this port.

### PowerBase Edge Linking:

The PowerBase Edge Link's linking feature allows you to connect packs together for parallel power on the back of the V-mount camera.  That means 2x packs can provide 140wh of power. The linking connections are discreetly placed under the battery pack's quick release plate to protect against inadvertent damage. Once the Quick Release plate has been removed, packs can be linked together.

### Quick Release Plate:

The Edge Link is outfitted with an updated dovetail-style quick release plate for a more robust mounting solution. The quick release plate has a 1/4-20 thread to attach under most cameras, and a 1/4-20 receptacle on the opposing side to mount on a tripod. In addition, the 1/4-20 quick release plate can be used to attach the pack to any part of a camera cage's side, top, or anywhere with a 1/4-20 thread. **To ensure optimal performance, it is recommended to test the capability of the QR plate mechanism to make sure it can withstand camera pans and movement.  While strong, the mechanism can only support up to 6 lbs, and with longer lenses, the leverage and top-heavy accessories can create a weight imbalance that needs to be considered.**

### Sleep/Storage Mode:

After 7 days of inactivity the pack shuts down to preserve power. To wake up simply put your pack to charge or press the reset button in between the terminals on the power tap

### *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.

### *PBE-Link Transport Compliance:*

All of CoreSWX batteries that are travel safe have an Air Compliant label. 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.  Check with your airline's rules for specific limitations. Spare batteries should be individually protected to prevent the possibility of short circuits.

**Specification Data:**
**Capacity:** 70wh (14.8vdc, 4.7Ah )
**Size:** 5.6" x 3.9" x 1.65"
**Weight:** 1.4lbs.
**Max Continuous Load:** 8A
**Normal Runtime:** approx. 12+ hours (Sony A7 w/o accessories)

## 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, 1 year 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 and to the the support section to fill out the online RMA 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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