



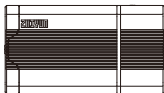
ZHIYUN - v 1.10

TransMount PowerPlus Battery Pack

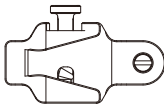
· EN - User Guide

Packing List

The product package comes with the following items. In case any item is found missing, please contact ZHIYUN or your local selling agent.



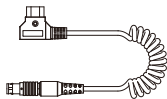
TransMount PowerPlus
Battery Pack x 1



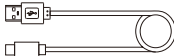
V-Lock Baseplate x 1



18650 Li-Ion Battery x 6



D-TAP TO DC 1B Power Cord x 1



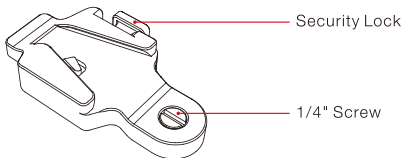
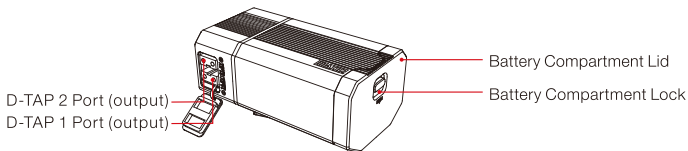
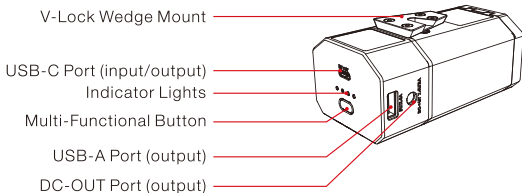
USB Type-C Cable x 1



Manual x 1

 TransMount PowerPlus Battery Pack comes standard with 6 18650 2600mAh 3.6V ZHIYUN Li-ion batteries. It is forbidden to use the device with non-ZHIYUN batteries.

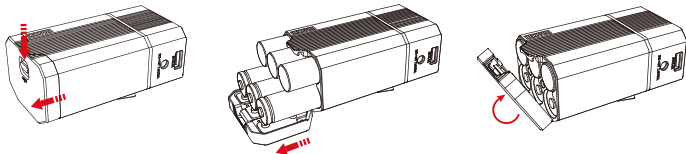
Get To Know TransMount PowerPlus Battery Pack



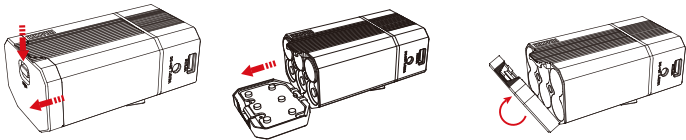
Installation


Insert/Remove Battery

1. Unlock the battery compartment lock and open the lid, insert the batteries into the compartment in the proper direction. Press the lid down until it locks (a slight click will be heard as the lock closes).

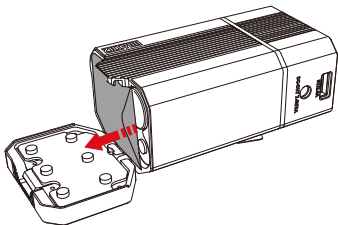


2. When removing the batteries from the compartment, open the lid, take out the batteries and then close the lid.



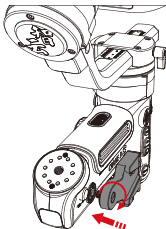
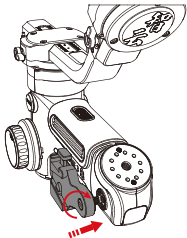
 To prevent unintended unlocking of the lid, users may feel a slight resistance when opening the lid.

- !** When using TransMount PowerPlus Battery Pack for the first time, please remove the film inside the compartment before use.

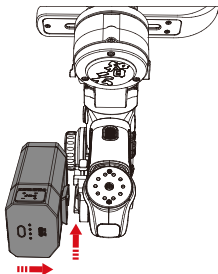


Attach/Detach TransMount PowerPlus Battery Pack to CRANE 3S

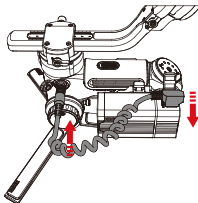
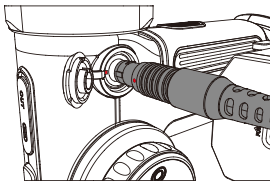
1. There are two 1/4" screw mounts on two sides of CRANE 3S battery compartment. Mount V-lock baseplate to either side of the battery compartment. In the example below, V-lock baseplate is mounted on the left side.



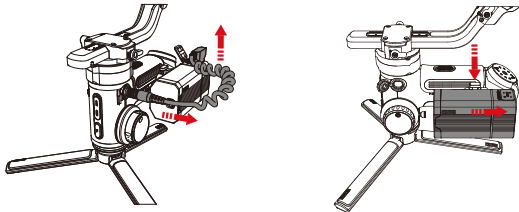
2. Slide battery pack into V-lock baseplate (a clatter will be heard as the V-lock wedge mount is locked with the baseplate).



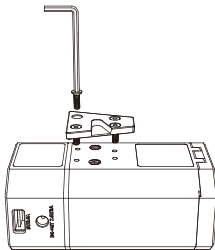
3. Connect D-TAP 2 port on battery pack and DC-IN charging port on CRANE 3S with the power cord provided. Please align the red mark on DC 1B side of the power cord with the red mark on DC-IN charging port. Make sure the power cord plug is inserted in the proper direction.



4. When detaching the battery pack from CRANE 3S, please make sure to hold only the silver part of the plug to avoid damaging the power cord. Press down the security lock of baseplate and push out the battery pack (please hold the battery pack when pressing down the security lock). Finally, detach the baseplate from stabilizer.

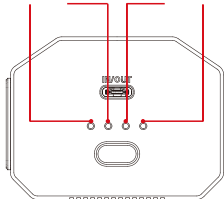


- 💡 V-lock wedge mount can be detached from battery pack with a M1.5 wrench (not provided). There are 2 1/4" screw holes in V-lock wedge mount for users to install the battery pack to devices other than CRANE 3S.



How to Use

LED 1 LED 2 LED 3 LED 4



About Multi-functional Button

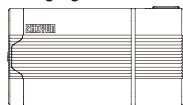
- After reloading battery pack, single click the button to activate batteries.
- Long press the button for 1 second to turn on battery pack. The four LED indicator lights will shine one by one. Users can view battery level from the number of shining LED indicator lights.
- Long press the button for 1 second to turn off battery pack.
- When the battery pack is off, single press the button to show battery level.

Battery Level	LED 1	LED 2	LED 3	LED 4
0-25%	On	Off	Off	Off
25-50%	On	On	Off	Off
50-75%	On	On	On	Off
75-100%	On	On	On	On

Charging/Discharging of TransMount PowerPlus Battery Pack

- ⚠** ① Inserting batteries or removing batteries is NOT allowed during the charging process and discharging process. Please turn off the battery pack and disconnect all connected device if needs to change batteries.
- ② Charging or discharging the battery pack must be conducted with all 6 batteries at the same state of charge. Otherwise the batteries may be damaged by over charging or over discharging.

Charging:



USB Type-C Cable

Power Adapter


Power Outlet



Charging the battery pack by connecting USB-C port on it to power adapter (not provided) with the USB Type-C cable provided. Check battery pack status according to the table on the right.

Battery Level	LED 1	LED 2	LED 3	LED 4
Abnormal	Flash	Flash	Flash	Off
0-25%	Flash	Off	Off	Off
25-50%	On	Flash	Off	Off
50-75%	On	On	Flash	Off
75-100%	On	On	On	Flash
Charging Finished	Flash	Flash	Flash	Flash

 Users may use power adapter that supports USB Power Delivery (USB-PD) to charge the battery pack. The maximum charging power of the battery pack is 30W.


-  ① Charging non ZHIYUN 18650-2600mAh 3.6V Li-ion batteries with the battery pack is forbidden.
- ② The battery pack is configured with automatic voltage detection and voltage balance function. In situations where the battery voltage appears to be abnormal, charging of the battery pack will fail. Please unplug the charging cable and place the battery pack at idle for 1 hour (in poweroff state) to wait for the voltage balance process to finish. To avoid abnormal charging of the battery pack, it is recommended to use all 6 batteries at once.

Discharging:

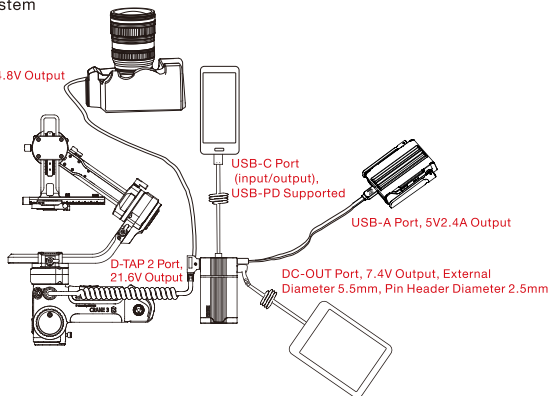
The battery pack supports simultaneous power supply to external devices via USB-C, USB-A, DC-OUT and D-TAP ports. Check battery pack status during discharging according to the table on the right.

Battery Level	LED 1	LED 2	LED 3	LED 4
Undervoltage	Off	Off	Off	Off
Low Voltage Alarm	Flash	Off	Off	Off
Overpower Alarm	Flash	Flash	Off	Off
0-25%	On	Off	Off	Off
25-50%	On	On	Off	Off
50-75%	On	On	On	Off
75-100%	On	On	On	On

 The battery pack will automatically turn off when not connected to any devices for about 1 minute.

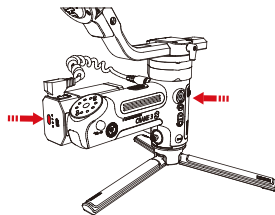
 The battery pack will automatically shut off power supply when overpower discharge is detected. It is recommended to use the battery pack within the range of its rated power.

Discharging System



Use with CRANE 3S

1. After setting up the battery pack and CRANE 3S, turn on the two devices and the battery pack will start supplying power to the stabilizer. When the battery pack runs out of power, power supply of CRANE 3S will be automatically switched to batteries in CRANE 3S.



Product Specifications

Model: CH18650-6A

Item		Standard	Remark
Charging	USB-C	5V/2.4A,9V/3A,12V/2.5A,15V/2A,20V/1.5A 30W	
Discharging	USB-C	5V/2.4A,9V/3A,12V/2.5A,15V/2A,20V/1.5A 30W	
	USB-A	5V/2.4A 12W	
	DC-OUT	7.4V/3A 22.2W	
	D-TAP 1	14.8V/3A 44.4W	
	D-TAP 2	21.6V/3A 64.8W	
Max.Output Power		100W	
Charging Temperature		0°C-45°C	
Charging Time		3h	20V/1.5A 30W
Operating Temperature		-10°C-45°C	
Runtime		18h	Lab Data
Battery Energy		56.16Wh 3.6V 15600mAh	When use with the 18650 Li-ion batteries provided
Dimensions (mm)		62*110*52	W*H*D
Net Weight		≈650g	Including batteries; Excluding V-lock baseplate

Lab Data: Mounted with Sony FS7, 18-110mm lens, TransMount 3S EasySling Handle, TransMount Power Plus Battery Pack, the properly balanced and still stabilizer is able to operate for 18 hours continuously via power supply from TransMount PowerPlus Battery Pack.

Disclaimer and Warning

Thank you for purchasing ZHIYUN TransMount PowerPlus Battery Pack. The information contains herein affects your safety, legitimate rights and obligation. Please read this instruction carefully to ensure proper configuration before use. Failure to read and follow this instruction and warnings herein may result in serious injury to you or bystanders, or damage to your device or property. Guilin Zhishen Information Technology Co., Ltd reserves all rights for final explanation on this instruction and other documents related to TransMount PowerPlus Battery Pack. The information is subject to update without notice. Please visit www.zhiyun-tech.com to obtain the latest product information.

By using this product, you hereby signify that you have read this document carefully and that you understand and agree to abide by the terms and conditions herein. You agree that you are solely responsible for your own conduct while using this product, and for any consequences thereof. You agree to use this product only for purposes that are proper and in accordance with all terms, precautions, practices, policies and guidelines ZHIYUN has made and may make available.

ZHIYUN accepts no liability for damage, injury or any legal responsibility incurred directly or indirectly from the use of this product. Users shall observe safe and lawful practices including, but not limited to, those set forth herein.

ZHIYUN™, TransMount™ are the trademark of Guilin Zhishen Information Technology Co., Ltd. (hereinafter referred to as “ZHIYUN” or “ZHIYUN TECH”) and its affiliates. All product names or marks referred to herein are trademarks or registered trademarks of their respective holders.

Reading Tips

Legends:



Hints and Tips



Important

Warnings

Read the ENTIRE User Guide to become familiar with the features of this product before operating. Failure to operate the product correctly can result in damage to the product or personal property and cause serious injury. This is a sophisticated product. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this product in a safe and responsible manner could result in injury or damage to the product or other property. This product is not intended for use by children without direct adult supervision. DO NOT use with incompatible components or in any way otherwise as mentioned or instructed in the product documents provided by ZHIYUN. The safety guidelines herein contain instructions for safety, operation and maintenance. It is essential to read and follow all of the instructions and warnings in the User Guide, prior to assembly, setup or use, in order to operate the product correctly and avoid damage or serious injury.

Safe Operation Guidelines

CAUTION:

1. TransMount PowerPlus Battery Pack is a high-precision control device. Damage may be caused to TransMount PowerPlus Battery Pack if it is dropped or subject to external force, and this may result in malfunction.
2. TransMount PowerPlus Battery Pack is not waterproof. Prevent contacts of any kind of liquid or cleaner with TransMount PowerPlus Battery Pack. It is recommended to use dry cloth for cleaning.
3. Protect TransMount PowerPlus Battery Pack from dust and sand during use.

WARNING

To avoid fire, serious injury, and property damage, observe the following safety guidelines when using, charging, or storing your batteries.

Battery Use

1. Prevent the batteries to come into contact with any kind of liquid. Do not leave batteries out in the rain or near a source of moisture. Do not drop the battery into water. If the inside of the battery comes into contact with water, chemical decomposition may occur, potentially resulting in the battery catching on fire, and may even lead to an explosion.
2. If the TransMount PowerPlus Battery Pack falls into water, take it out immediately and put it in a safe and open area. Maintain a safe distance from the battery until it is completely dry. Never use the battery again, and dispose of the battery properly as described in the Battery Disposal section below.
3. If the battery catches fire, use water, water spray, sand, fire blanket, dry powder, or carbon dioxide fire extinguisher immediately to put out the fire. Battery-caused fire may lead to explosion. Please extinct the fire by applying the methods recommended above according to the actual situation.
4. Never use non-ZHIYUN batteries. If replacement or backup is needed, please purchase new batteries from ZHIYUN's official website or authorized channels. ZHIYUN takes no responsibility for any damage caused by non-ZHIYUN batteries.
5. Never use or charge swollen, leaky, or damaged batteries. Never use or charge if the battery smells, or overheats (exceeding maximum temperature of 160° F/71° C). If your batteries are abnormal, contact ZHIYUN or a ZHIYUN authorized dealer for further assistance.
6. The battery should be used within the temperature range from -10°C to 45°C . Use of battery in environments above 45°C may lead to a fire or explosion. Use of battery below -10°C may lead to serious battery damage.
7. Do not use the battery in strong electrostatic or electromagnetic environments. Otherwise, the battery protection board may malfunction.
8. Do not disassemble or use any sharp object to puncture the battery in any way. Otherwise, the battery may leak, catch fire or explode.
9. Do not mechanically strike, crush, or throw the battery. Do not place heavy objects on the battery or charge.
10. Electrolytes inside the battery are highly corrosive. In case of accidental contact of any electrolytes with your skin or eyes, rinse immediately with water for at least 15 minutes and seek medical advice as soon as possible.
11. Do not use the battery if it has been involved in a crash or heavy impact.

12. Do not heat the battery and never put the battery in a microwave oven or in a pressurized container.
13. Do not place the battery on a conductive surface (such as a metal desk surface, eye-glasses, watch, jewelry, etc.)
14. Prevent use of wires or other metal objects that could cause positive and negative short-circuit to the battery.
15. If the battery terminal is dirty, wipe it with a clean, dry cloth. Otherwise it will cause a bad battery connection, which may result in energy loss or charging failure.

Charging

1. The battery will automatically stop charging once it is full. Please disconnect the battery and the charger when fully charged.
2. Do not put the battery and charger near flammable materials or on flammable surfaces (such as carpet or wood). Never leave the battery unattended during charging to prevent any accident.
3. Do not charge the battery immediately after use, because the battery temperature may be too high. Do not charge the battery until it cools down to normal room temperature. Charging the battery with its temperature over 45° C or lower than 0° C may lead to leakage, overheating, or damage.
4. Examine the charger before use, make sure there is no damage to the enclosure, cord, plug, or other parts. Never use a damaged charger. Do not clean the charger with any liquid containing alcohol or other flammable solvents. Disconnect the charger when not in use.

Battery Storage

1. Keep batteries out of the reach of children and pets.
2. Do not leave the battery near heat sources such as a furnace or heater, or inside of a vehicle on hot days. Never expose the battery in any environment with temperature of over 60° C. The ideal storage temperature is 22° C-28° C.
3. Store batteries in a dry environment.
4. Do not leave the battery unused for too long after it has been completely discharged to prevent over-discharge of battery which may result in battery damage and permanent failure.

Battery Disposal

1. Please fully discharge the battery before putting it in the designated recycling bin. Batteries contain hazardous constituents and it is forbidden to put the battery in general waste bin. For related details please abide by the local laws and regulations on battery recycling and disposal.
2. If the battery cannot be fully discharged, never put it in battery recycling bin. Please contact battery recycling companies for a proper solution.

Warranty Period

1. Customers are entitled to replacement or free repair service in case of quality defect(s) found in the product within 15 days upon receipt of the product.
2. Customers are entitled to free repair service from ZHIYUN for any product proven defective in material or workmanship that results in product failure during normal consumer usage and conditions within the valid warranty period, which is 12 months counting from the date of selling. However, warranty period varies by product component and country of purchase. Please contact our after-sales service team on ZHIYUN official website or your place of purchase for detailed warranty information.

Warranty Exclusions and Limitations

1. Products subjected to unauthorized repair, misuse, collision, neglect, mishandling, soaking, accident, and unauthorized alteration.
2. Products subjected to improper use or whose labels or security tags have been torn off or altered.
3. Products whose warranty has expired.
4. Products damaged due to force majeure, such as fire, flood, lightening, etc.

Warranty Claim Procedure

1. If failure or any problem occurs to your product after purchase, please contact a local agent for assistance, or you can always contact ZHIYUN's customer service through email at service@zhiyun-tech.com or website at www.zhiyun-tech.com.
2. Your local agent or ZHIYUN's customer service will guide you through the whole service procedure regarding any product issue or problem you have encountered. ZHIYUN reserves the right to reexamine damaged or returned products.

Quality Certificate

Please download the latest version from www.zhiyun-tech.com

This document is subject to change without notice.

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Website: www.zhiyun-tech.com

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FCC Caution.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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