

POWER STATION QUICK START GUIDE



Whats included

Power Station Photo (ATOMPWS001)

- ❑ 1 x Atomos Power Station
- ❑ 2 x NP-F570 2600mAh Batteries
- ❑ 2 x Battery Adapters
 - 1x Battery Adapter for Panasonic GH4
 - 1x Battery Adapter for Sony A7s
- ❑ 1 x Soft Carry Case
- ❑ 1 x 15V 60W AC/DC Adapter
- ❑ 3 x Velcro Straps
- ❑ 1 x Shogun DC to DC Cable

Power Station Video (ATOMPWS002)

- ❑ 1 x Atomos Power Station
- ❑ 2 x NP-F960 7800mAh Batteries
- ❑ 5 x Battery Adapters
 - 1x Battery Adapter for Panasonic GH4
 - 1x Battery Adapter for Canon 5D MKIII
 - 1x Battery Adapter for Nikon D800
 - 1x Battery Adapter for Sony FS Series
 - 1x Battery Adapter for Sony A7s
- ❑ 1 x Soft Carry Case
- ❑ 1 x 15V 60W AC/DC Adapter
- ❑ 6 x Velcro Straps
- ❑ 1 x Shogun DC to DC Cable

You will also need:

Additional DC Cables, Battery Adapters or USB charging cables

For powering third party devices such as cameras, recorders and lighting.

Getting started:



2A/1A USB Charging Ports

Charge up to 2 USB devices

Battery LED Indicators

Displays the current charge available in the batteries when solid, gradually flashing as charge depletes. The 1st LED on each side indicates battery in use.

1/4" Mounting Hole

1/4" Camera Mount (Male)

Allows mounting to the lower 1/4" mount of your camera or mounting solution

2x DC Outputs

(2.1mm DC barrel plug)
Connect provided DC Dummy batteries to power your devices

Battery Release

Push latch to release battery

USB Port

For firmware update only

Switching Point

Determines the minimum voltage present during load. (See switching point section)



1x DC Input (2.1mm DC barrel plug)

Connect provided AC adapter to quick charge batteries

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Atomos Power Station

The Atomos Power Station is a compact continuous power supply that is capable of powering up to 4 devices (2DC, 2USB) simultaneously with a maximum power output of 4 amps at 7.4volts. Fast charge technology provides a 3x faster charge cycle than traditional NP style battery chargers. Simple LED indicators independently display the status of both batteries allowing plenty of time to hot swap depleted batteries. The slim form factor allows for easy mounting to your equipment with simple 2.1mm barrel DC outputs that can power most commonly used camera equipment as well as charging USB devices.

Connect and Power-Up



Insert Batteries:

Gently press down and slide the batteries into the lock position. To utilize continuous power both batteries need to be connected. The Power Station will automatically switch on and start powering connected DC devices. We recommend using the provided AC adapter to fully charge new batteries before initial use.

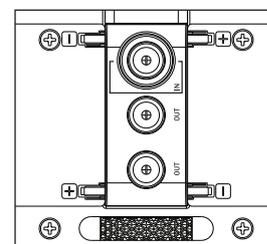
Charging



AC Adapter

Connect the provided AC adapter to the DC IN Port on the rear of the Power Station to begin charging both batteries. Any devices connected to the DC out ports will automatically switch over to AC power whilst charging both batteries.

If powering devices whilst charging, the Power Station may automatically scale the charging process to 1 battery in order to maintain the draw required from the DC



The charge process will automatically charge the 2nd battery once the first is complete in this case. If DC output draw continues to increase, power to the USB ports will be disconnected to maintain output power. USB power will reactivate once output load drops.

! The Power Station has smart circuitry to prevent damage if incorrectly connected. It will not harm the power station if you accidentally connect the DC ports incorrectly. Note: DC Splitter cables do not offer any protection and may cause damage if incorrectly connected.

LED Indicators

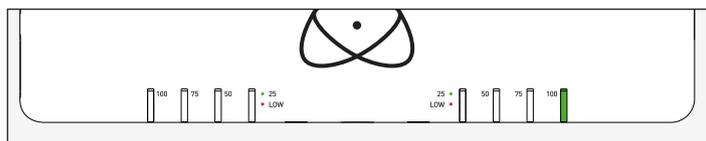
The Power Station uses LED indicators to show current battery status. The battery charge is shown in flashing 25% increments for both left and right batteries. Once all lights are solid the batteries are fully charged and power will continue to be supplied to devices via the DC IN until disconnected.

During use, only one battery will discharge at any given time. The indicators will flash in 25% increments until the battery voltage drops below the level set on the switching point. At this point power draw

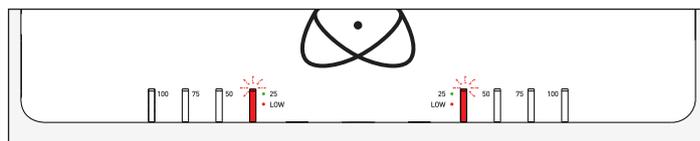
will switch to the next available battery. With a minimum of 1 battery connected, continuous power will be provided to your devices.

The images below indicate the various states represented by the LED indicators.

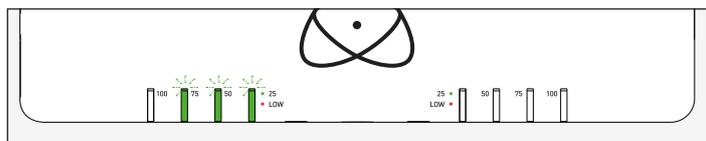
! Replace depleted batteries in a timely manner to ensure continuous power is available.



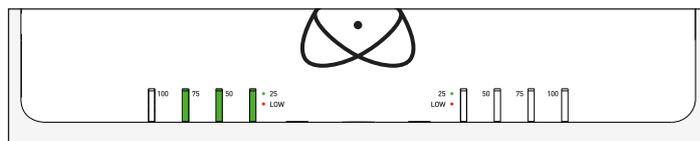
DC In Power Connected - No Batteries



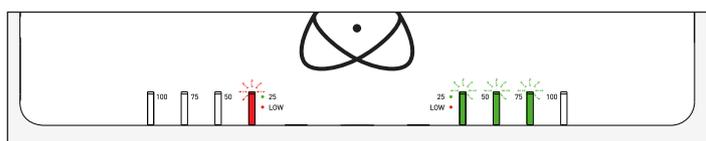
Overload - See LED Error Codes on next page



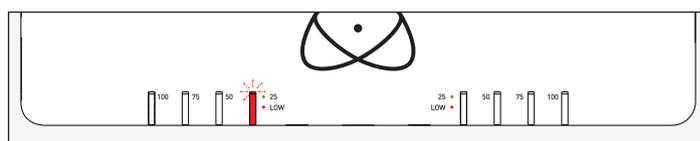
Battery Charging



Battery Usage - 75% Remaining



Fast Red Flashing - Battery Charge Fault on Left Battery. Right battery charging as per normal.

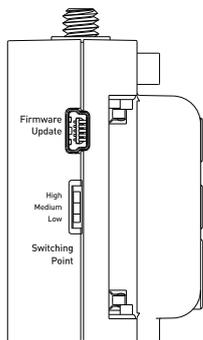


Battery Low - Replace battery as soon as possible or connect AC Power to maintain continuous power

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Switching Point



The switching point tells the Power Station when to swap from one battery source to the other. Since each camera has a different minimum operating voltage we have included this switch to allow users to find the right balance between long battery life and safe battery switch over for their unique system. Setting this to low will extend battery use time but increase the risk that power will be lost before switching to the other battery takes place.

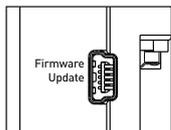
The table below provides suggested settings for popular cameras.

Setting	Suitable Cameras
High	Sony A7s, Nikon D800,
Medium	Canon C100, 5D, Sony FS700, Panasonic GH4,
Low	Atomos Recorders

* Voltages specified may vary slightly after a firmware update. Upgrade SHOGUN to rev 6.3 allows you to run on the lower switch setting.

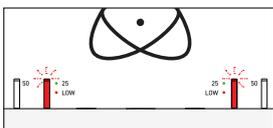
! The lower the setting, the longer each battery charge will last, but the greater the risk that a equipment may shut off due to insufficient voltage.

Firmware Update



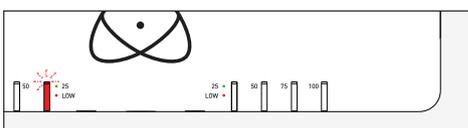
The mini USB Port is only used for firmware update and plays no role in the products operation. In the event a firmware update is required, ensure you disconnect all power sources from the Power Station before connecting a mini usb cable to your PC or Mac. The Atomos software updater will detect the power station and perform the update.

LED Error Codes



Overload - two red LEDs flashing at a fast rate

This error is triggered by drawing too much current from the DC Out or when the Power Station has reached its thermal limit. The overload error will self-clear when load reaches an acceptable level. Please disconnect devices until draw falls to acceptable level.



Battery Charge Fault - Red LED flashing at a fast rate

This error is triggered when a batteries voltage is too low at the end of the charge cycle or if a batteries voltage drops too quickly after charging. Reseating the battery and DC cable will clear a battery charge fault, though it may re-occur if the battery fault remains. A battery charge fault does not prevent the battery from being used to supply load current, but it should be used with caution as it is not fully charged and may have reduced capacity or an internal fault.

Specs

Weight

Without batteries	143g / 5oz
With batteries	Photo Model 345g / 12.2oz Video Model 719g / 25.4oz
Dimensions (W x H x D mm)	160 x 55 x 35mm
Construction	High quality lightweight ABS Polycarbonate for durability & portability

Battery Management

Battery Charging (on DC power only)	2 x 1.6A fast chargers (approx three hours to charge a NP-F570 battery)
Battery Level Indicators	Charge remaining indicators for both batteries
Continuous Power *Patent Pending	Primary-Secondary battery system. Change batteries without losing power. Loop batteries continuously. Falls back on battery power if mains power lost.

Power Output

On DC power	2 DC outputs at 8.4V, 4A Max Total
USB Charging	2 USB outputs at 5V, 3A Max Total
Max Total Output Power	32W
Operational Temperature	0°C - 40°C (32°F 104°F)

Power Input

DC Input voltage	12V to 19V
D-tap input voltage (via adapter)	12V to 19V
Battery input voltage	7.4V System (8.4V Max), 2 slots
Compatible Batteries	NP series (L Mount)