



POWER JUNKIE V2

MANUAL

www.blindspotgear.com

INTRO



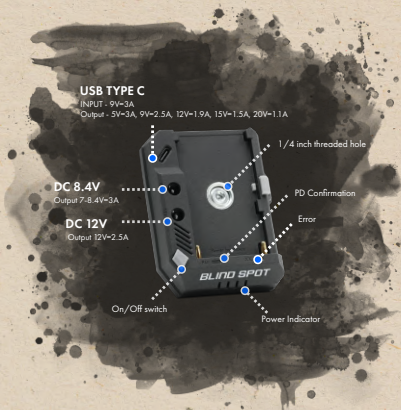
Introducing Our Eco Commitment:

At the very heart of our new Power Junkie v2 lies a commitment not just to performance, but to our planet. The shell material is now derived from oil extracted from castor beans, a sustainable and renewable source. This direct replacement for our previous nylon material preserves the product's durability and sleek appearance. But more importantly, it significantly lessens our environmental footprint.

Furthermore, we're excited to share that 1% of all our profits are channelled directly towards re-wilding projects in Scotland, actively contributing to restoring our planet's natural beauty. Our pride in the Power Junkie v2 extends beyond its functionality - it embodies our dedication to a greener tomorrow.

Our Business Commitment to You:

At Blind Spot Gear, your voice matters. As we journey forward, our unwavering commitment is to foster transparent and open communication with our cherished community. We pledge to listen, to take your feedback to heart, and to weave it into the fabric of our innovations. Our mission transcends creating groundbreaking products; it's about building relationships and trust. As part of our dedication to you, we're excited to continue unveiling exceptional products via Kickstarter, fuelled by your insights and our passion. Together, let's co-create the future of Blind Spot Gear.



Product Overview

Your Power Junkie V2 is designed to be the ultimate power companion for filmmakers. It seamlessly delivers continuous power to your camera and accessories, ensuring that your creativity remains uninterrupted.

CRITICAL WARNING

DO NOT connect the 12V output to your camera using a dummy battery. This action will direct 12V to your camera, which it is NOT designed to handle, and may **severely damage** your camera. Ensure you always double-check connections and voltages before powering your devices.

For your accessory devices, ensure that the output voltage of the Power Junkie aligns with your device's input voltage. Mismatched voltages can seriously damage electronic equipment. Always double-check connections and voltages prior to powering your devices.

The Power Junkie V2 DC ports feature a **positive center pin polarity**. Ensure all connected devices or cables are compatible. Mismatched polarity can damage equipment. Always double-check before connecting.

Safety Precautions

- Always keep the Power Junkie V2 away from moisture and extreme temperatures.
- Ensure connections are secure to avoid short circuits.
- The Power Junkie V2 is not waterproof. Avoid submersion.

Technical Specifications

Input power	————	USB Type C (5v-3a, 9v-2.3a, 12v-1.7a, 15v-1.4a, 20v-1a)
Output power	————	34w max (total output) Max continuous power out 25w (based on batteries not device) DC barrel (6-8.4v, 3a max) Centre Positive Polarity DC barrel (12v, 2.5a max) Centre Positive Polarity USB Type C (5v-3a, 9v-2.5a, 12v-1.9a, 15v-1.5a, 20v-1.1a)
Charging	————	Recommend charging with USB C PD for fastest charge Max charge rate 19w Will charge any sony L series battery Charge times: (varies with supplier and capacity) np-f550: 2h np-f750: 4h np-f970: 6h
Charging inputs	————	USB Type C
Product certification	————	CE, ROHS, FCC, UKCA, WEEE
Regulated output	————	12v 5.5x2.5mm DC barrel, USB C
Unregulated output	————	8.4v 5.5x2.1mm DC barrel
Product Dimensions	————	81x60x21mm 76g
Battery compatibility	————	Sony L Series: NP-F 5## N-PF 7## NP-F9##

Before You Begin

Ensure the box contains:
Power Junkie V2
Cable Tie Mount
¼ 20 inch fastner
Velcro Tie
Blanking plug (dust cap)
Rbber washer

Setup and Installation

Note: It's recommended to fully charge your NPF battery using the Power Junkie v2 before first use.

Charging: Use a USB-C cable. Connect one end to the Power Junkie V2 and the other to your power source. The LED lights will indicate charging status.

Cable Tie Mount:

To utilize the Power Junkie v2's cable tie mount, first remove the 1/4 20 bolt. Once removed, reattach it from the opposite side to secure the cable tie mount in place

Dust Cap Safety Feature:

The dust cap protects your equipment by covering the 12V output, especially when using other ports. This prevents accidental connection of an 8V cable into the 12V output, which could damage your camera. Even though the 8V and 12V connectors differ slightly in size, forceful connection can occur. The cap ensures safety against such mistakes.

On/Off Button Operation

- **Short Press:** Toggles the indicator lights on or off.
- **Long Press:** Powers down both the USB-C output and the 12V output.
- **Note:** The 8.4V output is unregulated and remains unaffected by the power button's operations.

USB-C PD Connection Best Practices:

USB-C PD (Power Delivery) requires communication between the device and the cable. The order in which you connect can influence this communication.

Best Practice Order: Connect the USB-C PD cable to the Power Junkie first. Now, connect the other end of the cable to your desired device. By following this order, you ensure optimal communication and efficient power delivery.

Maintenance and Care

- Clean using a soft, damp cloth. Avoid abrasive materials.
- Store in a cool, dry place.
- Prolonged exposure to direct sunlight is discouraged.
- Product not to be used in a wet environment or over 40deg C

Troubleshooting

- **Problem:** When using a microphone powered by the Power Junkie in conjunction with the camera, users may experience electrical interference.
- **Solution:** To mitigate this interference and ensure clear audio quality, incorporate a ground loop isolator between the microphone and the Power Junkie. This device will effectively eliminate the unwanted noise caused by potential ground loops.
- **Problem:** The on-off switch does not control the DC 8.4V output
- **Solution:** The 8.4V output is unregulated and remains unaffected by the power button's operations.

Auto Shut Down

If the Power Junkie detects no connected devices or power demand, it will auto-shutdown to conserve battery. To restart, either long-press the on/off button or remove and re-insert the battery.

Error Reporting

If an error or overload is detected the XX light will come on along with one of the power indicators.

XX+ indicator 2 = Overload DC 8.4v
XX+ indicator 3 = Overload DC 12v

In the case of an overload the Power Junkie will try to meet the demand but will shutdown either the overloaded output or the total output of the device.

A Word on Batteries

NP-f battery packs use lithium ion cells, determining their exact state of charge is difficult.

The battery indicator represents an estimated amount of charge remaining. This is not exact but will give the operator a good idea of how much energy remains. Different batteries and other accessory devices may estimate the remaining power differently, this is unavoidable. Remember batteries are dangerous and should not be abused. Avoid impact, crushing and excessive heat.



Battery indicator lights during discharge

4 lights = 75% and over
1 light = about 20% left
1 light flashing = almost empty

While charging, the indicator lights blink and progress to 4 lights. Four steady lights mean the battery is fully charged. Charging stops on its own; no unplugging needed.

Warranty and Support

Your Power Junkie V2 comes with 1 year warranty. For full warranty details and terms, please visit our website. To extend this to a 5 year warranty then please visit our website.
www.blindspotgear.com/warranty

Need assistance?

Reach us at info@blindspotgear.com or check our online FAQs and resources.



Dear Valued Customer,

Firstly, I want to extend my heartfelt appreciation for choosing Blind Spot. Our journey has always been about pushing boundaries, innovating, and ensuring that every product we release becomes an indispensable tool in your creative toolkit.

With the Power Junkie V2, you're not just getting a product; you're getting a commitment. A commitment to sustainability, evidenced by our switch to materials derived from renewable sources, like our shell material produced from castor beans. And a commitment to our beautiful planet, demonstrated by our pledge to divert 1% of all profits to re-wilding projects right here in Scotland.

Furthermore, as we look towards the future, know that Blind Spot Gear is relentless in our pursuit of improvement. We're listening, we're learning, and we're excited about the range of innovative products we plan to introduce via Kickstarter in the upcoming years.

It's an exhilarating journey, and I'm grateful you've decided to be a part of it. I genuinely hope the Power Junkie V2 exceeds your expectations, fueling your creativity and passion.

Explore, Power, Live

Billy Campbell
Chief Explorer
Blind Spot

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