LarkSpur Industries

Marigold-5 V1.0A
USB-C Power Module

Issues? Contact us!
Visit www.larkspurindustries.com
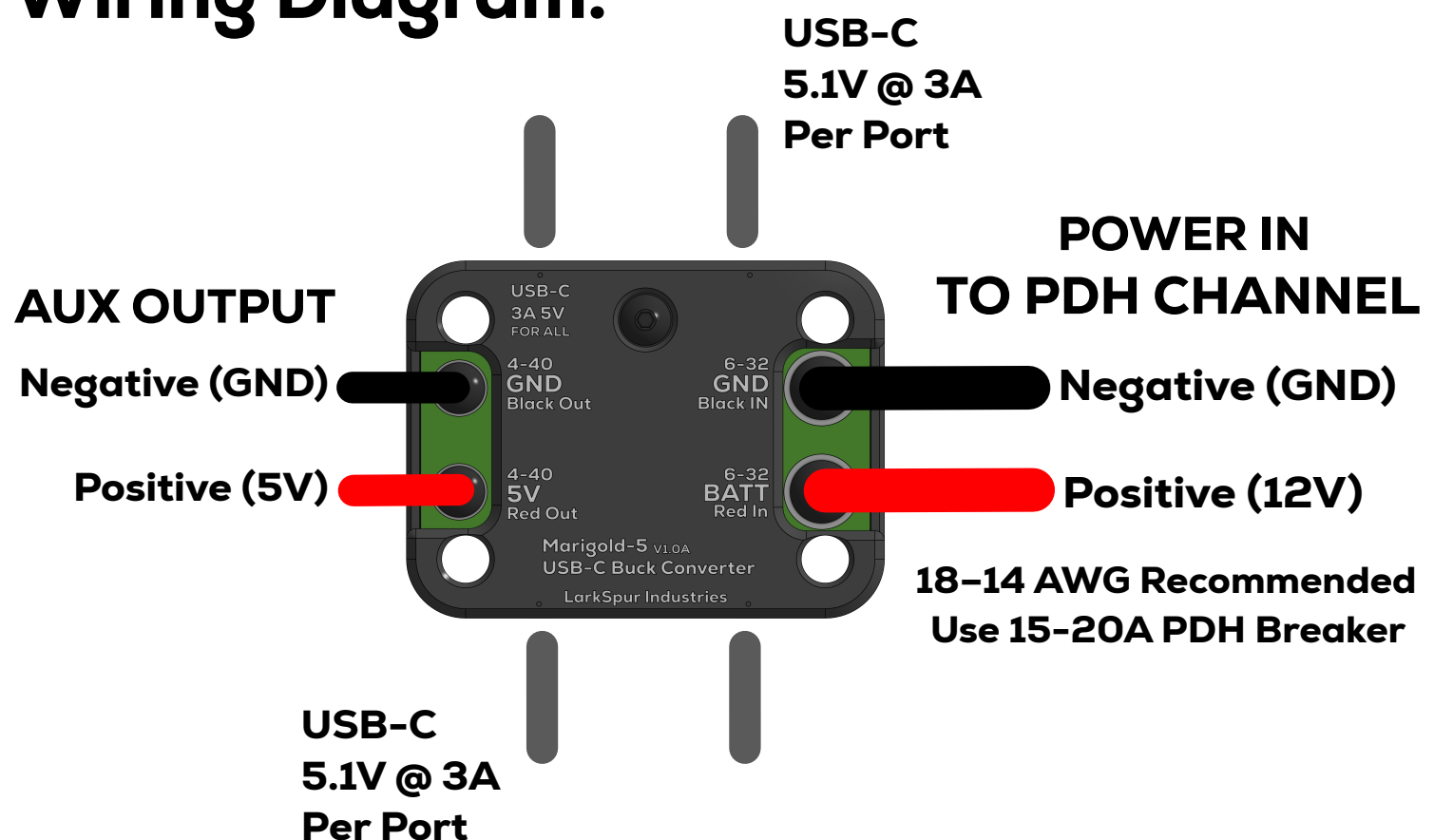Read the docs online! (Scan QR Code)

Do NOT reverse polarity. (Keep RED to RED!)

Do NOT bridge ring terminals. (Check for strands!)

Do NOT exceed 10A max TOTAL current.

ALWAYS strain relief your USB-C cables to robot frame.

Wiring Diagram:

USB-C
5.1V @ 3A
Per Port

POWER IN
TO PDH CHANNEL

AUX OUTPUT

Negative (GND)

Positive (5V)

USB-C
3A 5V
FOR ALL

4-40
GND
Black Out

4-40
5V
Red Out

6-32
GND
Black IN

6-32
BATT
Red In

Marigold-5 V1.0A
USB-C Buck Converter

LarkSpur Industries

Negative (GND)

Positive (12V)

18–14 AWG Recommended
Use 15-20A PDH Breaker

USB-C
5.1V @ 3A
Per Port

Electrical & Terminals:

- Input Power: #6-32 Ring Terminal Studs.
- Aux Output Power: #4-40 Ring Terminal Studs.

- Per USB-C MAX Current: 3A @ 5.1V
- Total MAX Current: 10A Across all outputs.
- We recommend powering at most 3 co-processors at once plus one low-power peripheral.

- Package includes ring terminal stud mounting hardware. Please use, as over-sized hardware may damage the device.

Mounting:

- Use 10-32 hardware.
- Ensure bottom heatsink makes contact.