



PA-10 (Manual)



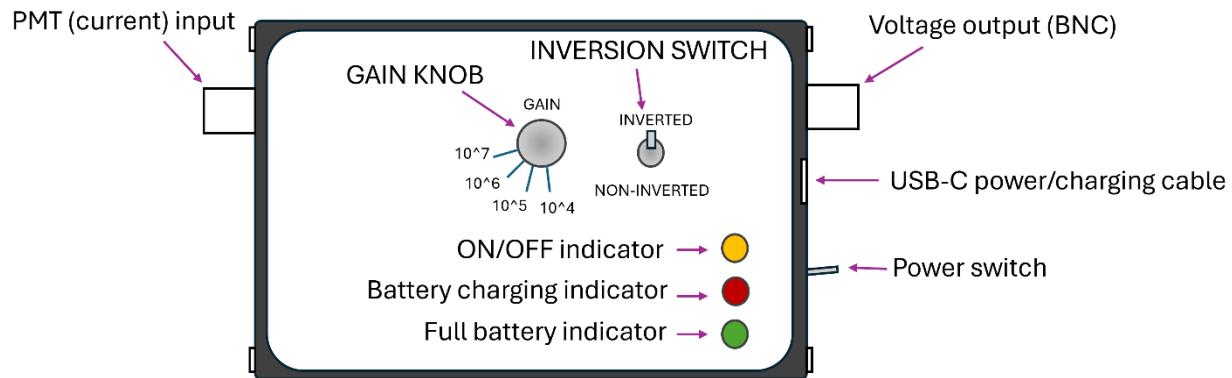
Important: This device contains an internal Li-ion battery!

Numbers of gain steps	4
Gain and bandwidth	Level 1: 10^4 , 20 MHz Level 2: 10^5 , 10 MHz Level 3: 10^6 , 1.5 MHz Level 4: 10^7 , 150 kHz
Charger/power	USB-C (5 V, 0.5 A)
Battery capacity	6600 mAh
Battery life	>24 hours on battery only
Product dimensions:	5' x 4' x 2'



The PA-10 is designed for use with Hamamatsu (or similar) current-output photomultiplier tubes (PMTs) such as H16722 series (replacement for H7422) and H16204 series. A USB-A to USB-C power cable is included. Signal input and output are using BNC connections. $50\ \Omega$ output impedance. Maximum Output: $\pm 5\text{ V}$ (into $50\ \Omega$ load)

Operating temperature range: 32-113 °F recommended.



Power & Charging

- The device operates with 5 V USB power source.
- Connecting USB power will charge the internal battery.
- The amplifier can operate without external power if the battery is not empty.

LED Charging Indicators

- When the power is plugged in, red LED is on, it means battery is charging. The amplifier can be used during charging.





- When the power is plugged in, green LED is on, it means battery is fully charged



Turn on the device:

- Use the side power switch to control the device.
- **Switch up** → Device ON
- When powered on, the yellow LED indicator will illuminate.



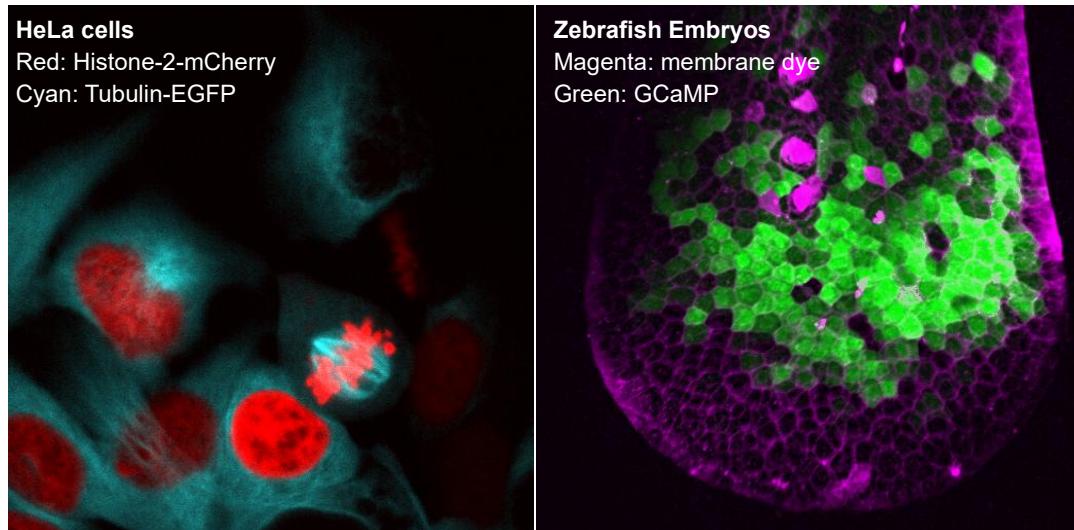
Gain and output inversion

- Gain is selectable from 10^4 to 10^7 using the gain adjustment knob (4 discrete levels).
- The Inversion Switch selects: Normal (non-inverted) output and Inverted output (typically selected).

Return & Refund Policy

- Unopened and unused products may be returned for a full refund.
No restocking fee will apply.
The customer is responsible for return shipping and insurance.
- Opened or used products may be returned within 90 days, subject to inspection.
A 10-15% restocking fee may apply, depending on product condition.
The customer is responsible for return shipping and insurance.
- All returns require a Return Merchandise Authorization (RMA) before shipment.
- Products must be returned with all accessories.
- Custom, modified, or special-order items are non-returnable.

Example images (used with Hamamatsu H7422-40)



Warranty: 1-Year Limited Warranty

Additional Information

Website: www.photokinesis.tech

Email: info@photokinesis.tech