



AERIAL IMAGING SCOTLAND

Appendix A.

DJI Mavic 4 Pro LED Lights

The Mavic 4 Pro has **three main sets of LEDs**:

1. **Front LEDs** (on the front arms)
2. **Aircraft Status Indicators** (rear/status lights)
3. **Battery Level LEDs** (on the battery)

1. Front LEDs (Orientation Lights)

LED State	Meaning
Solid Green	Aircraft powered on, motors not running. Shows the front (nose) direction.
Blinking Green	Motors running / aircraft flying. Used for orientation and visibility.
Off while recording	If set to Auto in DJI Fly, front LEDs may turn off during photo/video capture to avoid reflections in footage.

2. Aircraft Status Indicators (Most Important)

These lights tell you the drone's flight status and warnings.

Pattern	Meaning
Red → Green → Yellow alternating	Powering up / self-test in progress
Yellow + Green alternating	Warming up
Slow Green Flash	GPS acquired, ready to fly normally
Two Green Flashes repeatedly	Vision systems active and operating normally
Slow Yellow Flash	No GPS or positioning unavailable
Fast Yellow Flash	Remote controller signal lost
Slow Red Flash	Low battery warning
Fast Red Flash	Critical low battery
Solid Red	Critical system error

Pattern	Meaning
Fast Red + Yellow Flash	Compass calibration required

During Flight

After take-off, you'll commonly see:

- **Front LEDs blinking green**
- **Status indicators alternating red and green**

This is normal and helps indicate aircraft heading and position.

3. Battery LEDs (4 LEDs on the Battery)

Press the battery power button **once** to check charge level.

LEDs Lit	Approx. Charge
● ● ● ●	88–100%
● ● ● ◐	76–87%
● ● ● ○	63–75%
● ● ◐ ○	51–62%
● ● ○ ○	38–50%
● ◐ ○ ○	26–37%
● ○ ○ ○	13–25%
Flashing first LED only	0–12%

Troubleshooting Cheat Sheet

-  **Slow green flashing** → Good GPS lock, ready to fly.
-  **Slow yellow flashing** → Wait for GPS or move to a more open area.
-  **Fast yellow flashing** → Controller connection lost.
-  **Slow red flashing** → Land soon; battery is getting low.
-  **Fast red flashing** → Land immediately; battery critically low.
-  **Alternating red/yellow** → Compass calibration needed before flight.
-  **Solid red** → System error; check DJI Fly warnings.

For field use, the key thing to remember is: **Green = normal, Yellow = warning/positioning issue, Red = battery or system problem.**