

## Atomic Pi Crash

Several customers have reported crashing when:

- The GPU starts (HDMI is active). This is normal operation, so the PS must be able to handle the current for reliable operation.
- An unpowered USB hub is attached, especially with several devices attached past the hub. The current for the attached devices must be added to the PS rating.
- A USB hard drive is attached. The startup current can cause a power droop and subsequent reset.
- 26-30AWG (very thin) wires are used to connect power. This adds too much series resistance.

Nearly all reports have been traced to a brief sag in the power supply +5V VCC which causes the board to reset. The APi requires at least 2A to operate reliably, 2.5A+ is recommended. This requirement does not include the load from USB devices which can exceed 500mA per port, so if you plan to power external USB peripherals from the APi, have at least 3.5A available. A typical 2A USB charger won't do the job.