

CESSNA 170 LED CONTROLLER CONNECTION ADDENDUM (NIGHT VERSION ONLY)

If your Cessna170 includes the new LED controller (see image below), follow the instructions on this page. If your Cessna does not have this LED controller, follow the instructions on page 10 in the Cessna 170 manual.



CONNECTING A BATTERY TO THE LED CONTROLLER (NIGHT VERSION ONLY)

The LEDs on your Cessna 170 are switchable via the transmitter, and are designed to be powered by 12 volts (3S Li-Po) through the 6S JST-XH balance tab on the LED controller. By default, the LED controller is not plugged into any port on the Aura. **If the servo lead of the LED controller is not plugged into a receiver, the LEDs will default in the ON position, allowing the Cessna 170 (Night Version) to be flown at night with a basic 6-channel transmitter or receiver.** If you wish to use the transmitter switchable option of the LED Controller, you must plug the LED controller into an open port on your receiver (EX: Plugged into CH7 on your receiver, then use CH7 on your transmitter to operate). **Please note that the LEDs are not switchable if using a remote receiver connection. You must use a standard receiver (like SPMAR8010T) to use the switching function of the LED Controller.**

The LEDs can be powered in two ways:

1. **(Preferred)** You can use a separate 3S Li-Po, by plugging the battery's balance connector directly into the balance connector on the LED controller. Plug the battery balance tab into the LED connector so that the ground or black wire on your battery is fully to one side of the LED controller's connector. Be sure that the tab nearest the black wire on your battery aligns with the slot in the LED controller's connector.
2. You can plug your flight battery's balance tab directly into the connector on the LED Controller. If using a 4-5S battery, be sure to align the tab nearest the black wire on your battery with the slot in the LED controller's connector (reference the image below for 4-5S Li-Pos).

WARNING

The LEDs use approximately 3.5Ah from ONLY 3 cells of the battery powering it. If using a higher cell count battery for power, 3 of the cells will have a lower voltage than the others at the end of each flight. Leave excess voltage in the battery at the end of each flight to prevent the over-discharging of the cells that power the LEDs. **You MUST balance charge** your batteries after each flight the LED controller is powered by anything other than a 3 cell battery.

WARNING

Do not leave the battery plugged into the LED controller for extended periods of time. Doing so can damage the battery.

