WIRING YOUR OV-10 - STEP 1 - ALREADY PLUGGED IN

When you take your aircraft out of the box, these wires will already be plugged in to the MCB-E Multi-Function Control Board (Blue Box).

- **Input leads for lights**
  - Bottom strobe
  - Nose light

- **Input leads for control surfaces, gear etc.**
  - Flap lead
  - Gear lead
  - Rudder lead
  - Aileron lead

- **Output leads to receiver**
- **Input ribbon leads from outer wing**

- **Nose steering servo**
- **Nose gear**
WIRING YOUR OV-10 - STEP 2 - CENTER WING WIRES

These are the leads and wires you will see in the bundle coming out of the center wing.

- 1 lead labeled "ELEVATOR"
- 1 y-lead labeled "THROTTLE"
- 1 LED lead not labeled
- 2 XT60 Connectors
  1 with UBEC attached (from both ESCs)
- 2 ribbon cables (for both outer wing sections)
- 2 leads labeled "RUDDER"
- 2 leads labeled "LANDING GEAR"
- 2 leads labeled "FLAPS"
WIRING YOUR OV-10 - STEP 3 - WHAT YOU PLUG INTO MCB-E

These are the wires coming from the center wing that will need to plug into the MCB-E Multifunction Control Board (blue box).

- **Bottom Strobe**
- **Nose Light**
- **Horizontal Stab Strobe**
- **Flap Lead**
- **Gear Lead**
- **Rudder Lead**
- **Aileron Lead**

**Legend**
- **Red Arrows**: Already plugged in
- **Green Arrows**: Needs to be plugged in

Take note of polarity when plugging in any leads.
WIRING YOUR OV-10 - STEP 4 - 3-WAY LEAD FOR FLAPS

THE INCLUDED 3-WAY LEAD IS FOR YOU TO CONNECT THE 4 SERVOS FOR THE FLAPS. THE TWO INBOARD SERVO LEADS CONNECT TO 2 PORTS ON THE 3 WAY LEAD. THE OUTBOARD FLAPS ARE CONNECTED VIA THE RIBBON CABLES INTO THE MCB-E (BLUE BOX). THE FLAP LEAD FROM THE BLUE BOX THEN CONNECTS TO THE LAST 3-WAY LEAD PORT.

PLUG 2 FLAP LEADS FROM CENTER WING SECTION INTO 2 SLOTS ON 3-WAY SERVO EXTENSION
* THIS IS SUPPORTING THE 2 INBOARD FLAPS COMING FROM THE CENTER WING SECTION

TO RX (RECEIVER)

FLAP LEAD FROM MCB-E (BLUE BOX) INTO 1 SLOT ON 3-WAY SERVO EXTENSION
* THIS IS SUPPORTING THE 2 OUTBOARD FLAPS COMING THROUGH THE RIBBON CABLE INTO THE BLUE BOX FROM OUTER WING
WIRING YOUR OV-10 - STEP 5 - PLUGGING INTO RX

Now that everything is connected, here is what leads will plug directly into your RX and where they originate from (the CEWNTER WING OR THE MCB-E BLUE BOX)

- Elevator
- Throttle
- Flap (single end from 3-way)
- Rudder
- UBEC Lead (Red, White, Black)
- Aileron
- LANDING GEAR

**TO RX**