

Electric Box

The diagram illustrates the wiring for an 'Electric Box' project, showing the connections between three main components: a USB Right White shield (J2), an Arduino Nano v3.x (A1), and a Raspberry Pi 2.3 (J8).

Component J2: USB Right White

- Pin 1: VBUS
- Pin 2: D-
- Pin 3: D+
- Pin 4: GND
- Pin 5: BLDC_right
- Pin 6: BLDC_left
- Pin 7: PWM_left
- Pin 8: Control_mode

Component A1: Arduino_Nano_v3.x

- Pin 1: VIN
- Pin 2: 5V
- Pin 3: GND
- Pin 4: GND
- Pin 5: GND
- Pin 6: GND
- Pin 7: GND
- Pin 8: GND
- Pin 9: GND
- Pin 10: GND
- Pin 11: GND
- Pin 12: GND
- Pin 13: GND
- Pin 14: GND
- Pin 15: GND
- Pin 16: GND
- Pin 17: GND
- Pin 18: GND
- Pin 19: GND
- Pin 20: GND
- Pin 21: GND
- Pin 22: GND
- Pin 23: GND
- Pin 24: GND
- Pin 25: GND
- Pin 26: GND
- Pin 27: GND
- Pin 28: GND
- Pin 29: GND
- Pin 30: GND
- Pin 31: GND
- Pin 32: GND
- Pin 33: GND
- Pin 34: GND
- Pin 35: GND
- Pin 36: GND
- Pin 37: GND
- Pin 38: GND
- Pin 39: GND
- Pin 40: GND
- Pin 41: GND
- Pin 42: GND
- Pin 43: GND
- Pin 44: GND
- Pin 45: GND
- Pin 46: GND
- Pin 47: GND
- Pin 48: GND
- Pin 49: GND
- Pin 50: GND
- Pin 51: GND
- Pin 52: GND
- Pin 53: GND
- Pin 54: GND
- Pin 55: GND
- Pin 56: GND
- Pin 57: GND
- Pin 58: GND
- Pin 59: GND
- Pin 60: GND
- Pin 61: GND
- Pin 62: GND
- Pin 63: GND
- Pin 64: GND
- Pin 65: GND
- Pin 66: GND
- Pin 67: GND
- Pin 68: GND
- Pin 69: GND
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- Pin 73: GND
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- Pin 76: GND
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- Pin 81: GND
- Pin 82: GND
- Pin 83: GND
- Pin 84: GND
- Pin 85: GND
- Pin 86: GND
- Pin 87: GND
- Pin 88: GND
- Pin 89: GND
- Pin 90: GND
- Pin 91: GND
- Pin 92: GND
- Pin 93: GND
- Pin 94: GND
- Pin 95: GND
- Pin 96: GND
- Pin 97: GND
- Pin 98: GND
- Pin 99: GND
- Pin 100: GND

Component J8: Raspberry_Pi_2.3

- Pin 1: VBUS
- Pin 2: D-
- Pin 3: D+
- Pin 4: GND
- Pin 5: BLDC_right
- Pin 6: BLDC_left
- Pin 7: PWM_left
- Pin 8: Control_mode
- Pin 9: Control_left
- Pin 10: Control_right
- Pin 11: PWM_right
- Pin 12: BLDC_right
- Pin 13: BLDC_left
- Pin 14: PWM_left
- Pin 15: PWM_right
- Pin 16: Control_mode
- Pin 17: LED
- Pin 18: GND
- Pin 19: GND
- Pin 20: GND
- Pin 21: GND
- Pin 22: GND
- Pin 23: GND
- Pin 24: GND
- Pin 25: GND
- Pin 26: GND
- Pin 27: GND
- Pin 28: GND
- Pin 29: GND
- Pin 30: GND
- Pin 31: GND
- Pin 32: GND
- Pin 33: GND
- Pin 34: GND
- Pin 35: GND
- Pin 36: GND
- Pin 37: GND
- Pin 38: GND
- Pin 39: GND
- Pin 40: GND
- Pin 41: GND
- Pin 42: GND
- Pin 43: GND
- Pin 44: GND
- Pin 45: GND
- Pin 46: GND
- Pin 47: GND
- Pin 48: GND
- Pin 49: GND
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- Pin 86: GND
- Pin 87: GND
- Pin 88: GND
- Pin 89: GND
- Pin 90: GND
- Pin 91: GND
- Pin 92: GND
- Pin 93: GND
- Pin 94: GND
- Pin 95: GND
- Pin 96: GND
- Pin 97: GND
- Pin 98: GND
- Pin 99: GND
- Pin 100: GND

The diagram illustrates the internal wiring of a drone, divided into two main sections: **HyDrone Inside** and **ESCs**.

FrSky 8 CH 2.4GHz Radio Receiver:

- J1 PWM_Male:**
 - 1: PWM_left
 - 2: PWM_right
 - 3: Control_mode
 - 4: GoPro
 - 5: (unlabeled)
 - 6: (unlabeled)
 - 7: (unlabeled)
 - 8: (unlabeled)
- J3 5V_Male:**
 - 1: 5V
- J5 GND_Male:**
 - 1: GND

ESCs:

- J6 Conn_01x03_Female:**
 - 1: 5V
 - 2: GND
 - 3: BLDC_left
- J7 Conn_01x03_Female:**
 - 1: BLDC_right
 - 2: GND
 - 3: (unlabeled)

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HyDrone		
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