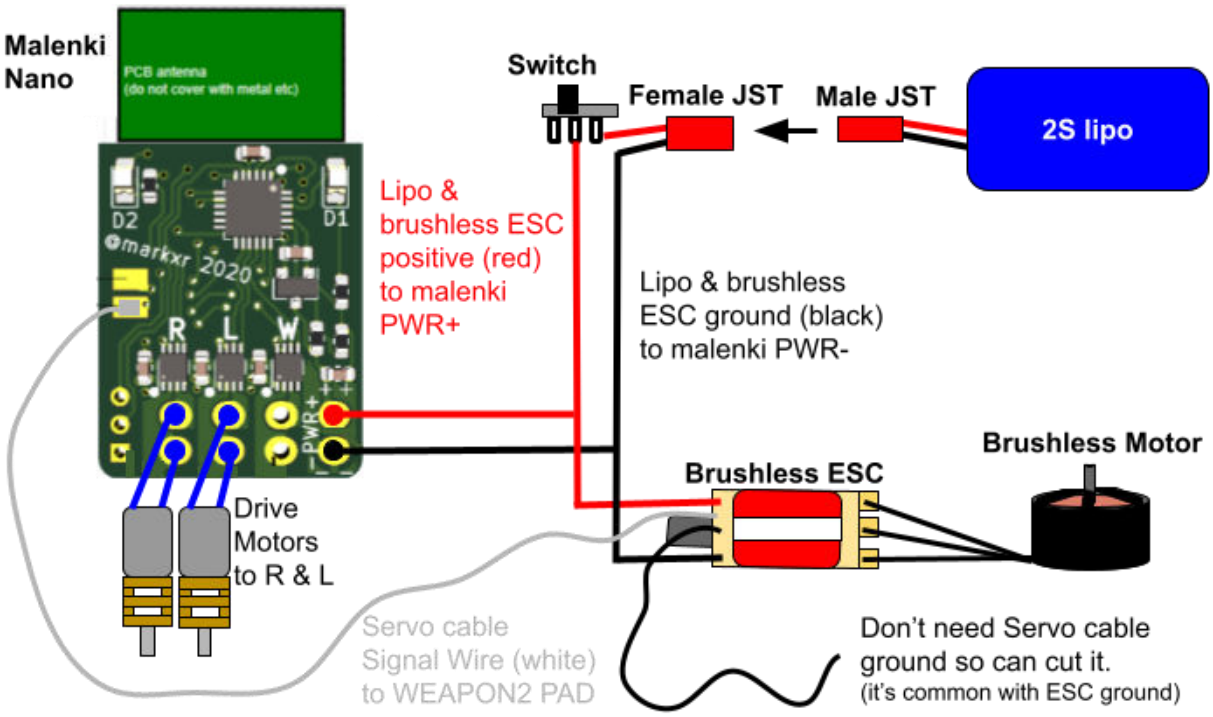
Binding & Setup

To Bind: Out of the box it will enter bind mode on power on (flashing blue light). When bound, the flashing LED will stop, you may then need to power cycle Malenki-Nano.
To Rebind: power on Malenki-Nano with your transmitter off and wait 90 seconds for flashing blue light.

Setup:

1. Solder motors (L to left side drive, R to right side drive, W to brushed weapon if needed) and power connector to PWR + & – on the Malenki-Nano. (JST connector and switch recommended) **See diagram in the image gallery above.**
2. For servos/brushless ESCs, solder the signal cable to one of the PWM pads and power them off the power rail if voltage is supported (some servos don't run above 6V so you may need to add a BEC to lower voltage). These are Channel 4 and 6. **Diagrams below!**
3. Power it on, (red light for power) bind to your transmitter (blue light for bind) and test motors – channel 1,2,3 to see if behaving as expected.
4. It's then highly recommended to **heat shrink, kapton or electrical tape** the Malenki-Nano to lower risk of short circuiting the board.
5. In Configuration mode you can use channel 5 to invert or swap channels, disable mixing, braking and enable servo stretching. See Full Documentation.

Soldering a servo or brushless ESC:
Solder the signal wire (yellow or white) of your servo or ESC to the WEAPON2 or WEAPON3 pad.
Solder your servo or ESC positive power (red) to PWR+ and negative power (brown or black) to PWR-. Wiring photo from Scott Siegel.
Wiring with our Antweight Spinner Electronics:


Malenki
Nano
PCB antenna
(do not cover with metal etc)
Switch
Female JST
Male JST
2S lipo
D2
D1
markxr 2020
R
L
W
PWR
Lipo &
brushless ESC
positive (red)
to malenki
PWR+
Lipo & brushless
ESC ground (black)
to malenki PWR-
Brushless Motor
Brushless ESC
Drive
Motors
to R & L
Servo cable
Signal Wire (white)
to WEAPON2 PAD
Don't need Servo cable
ground so can cut it.
(it's common with ESC ground)