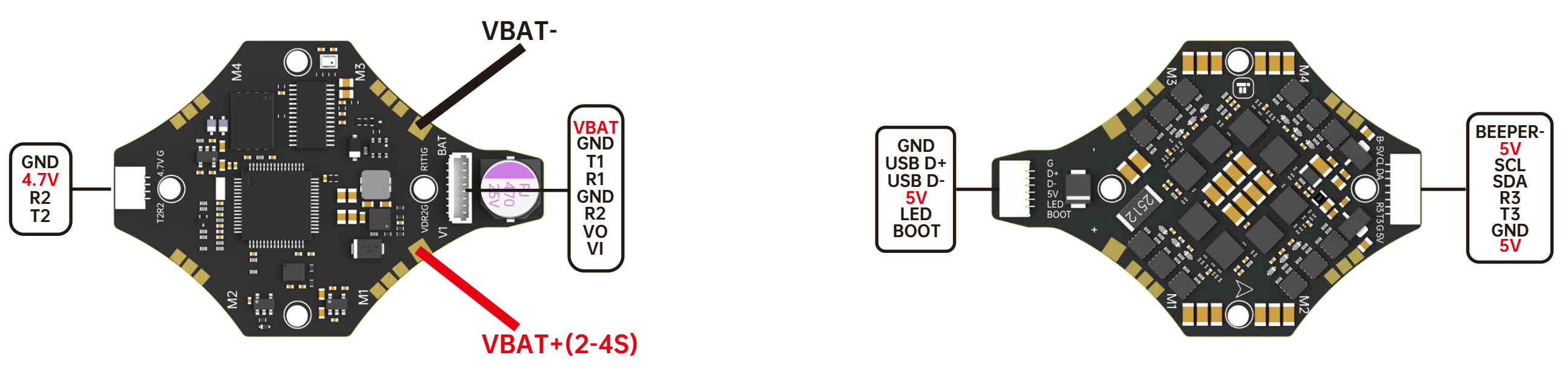
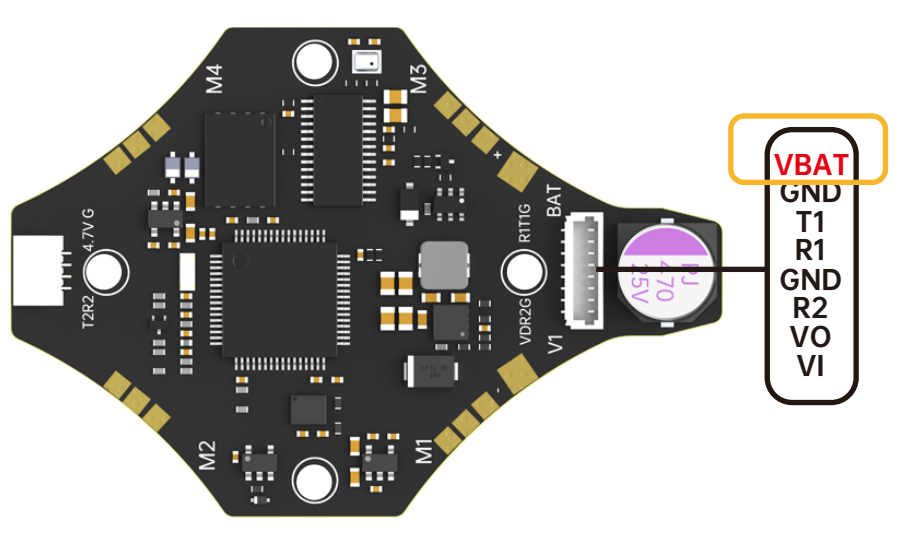
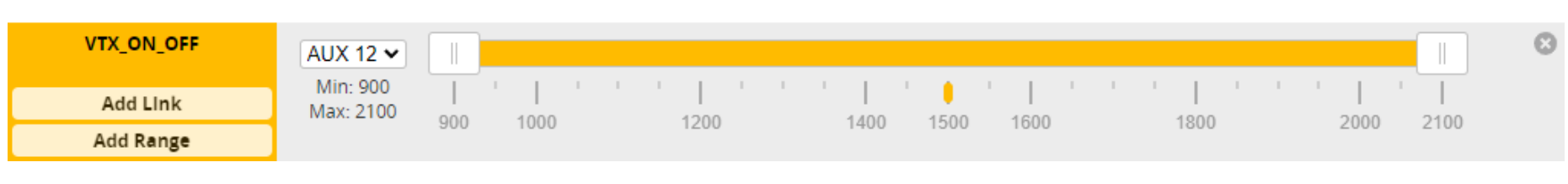
iFlight Defender 25 F7 AIO Wiring Diagram



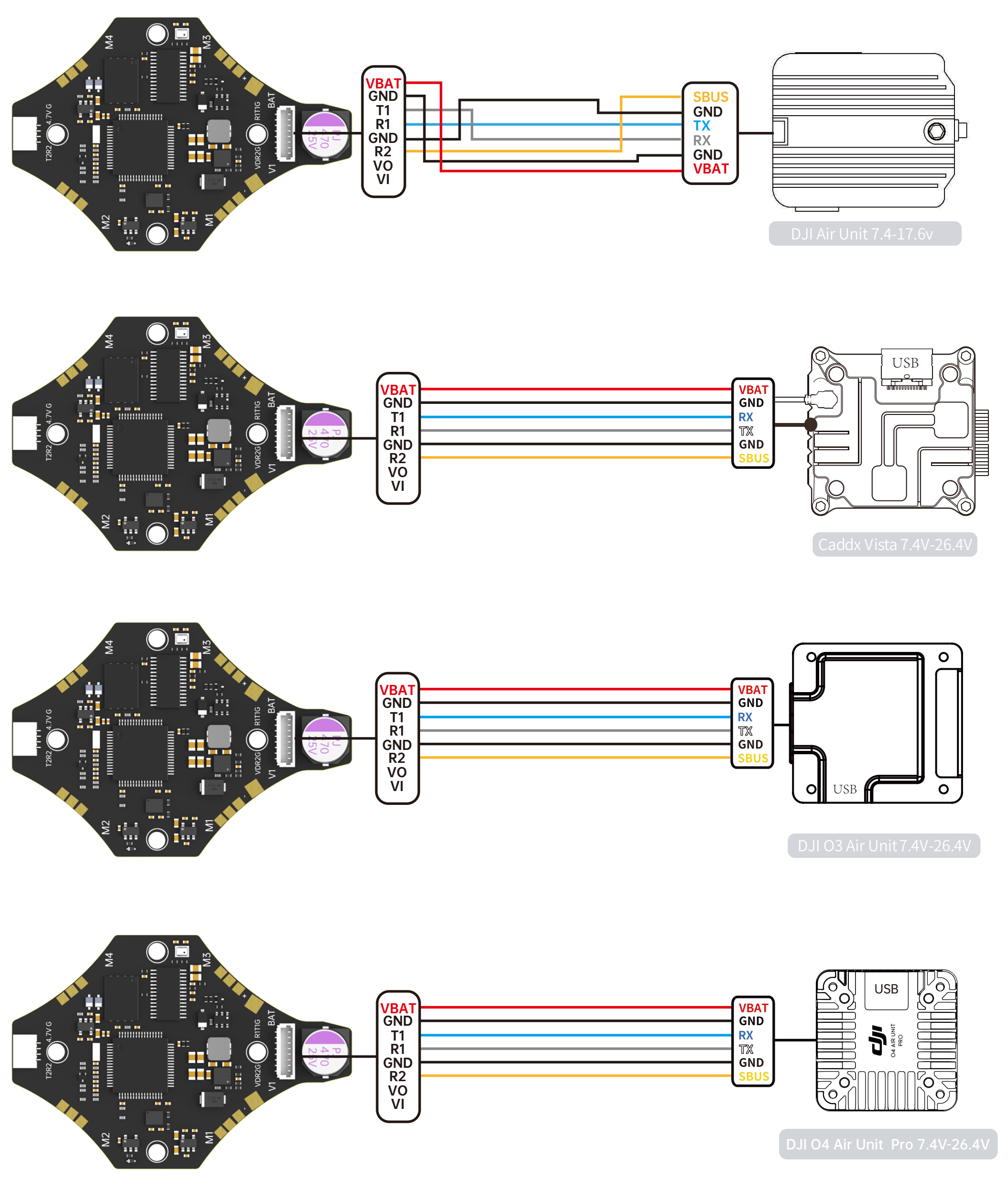
Notice

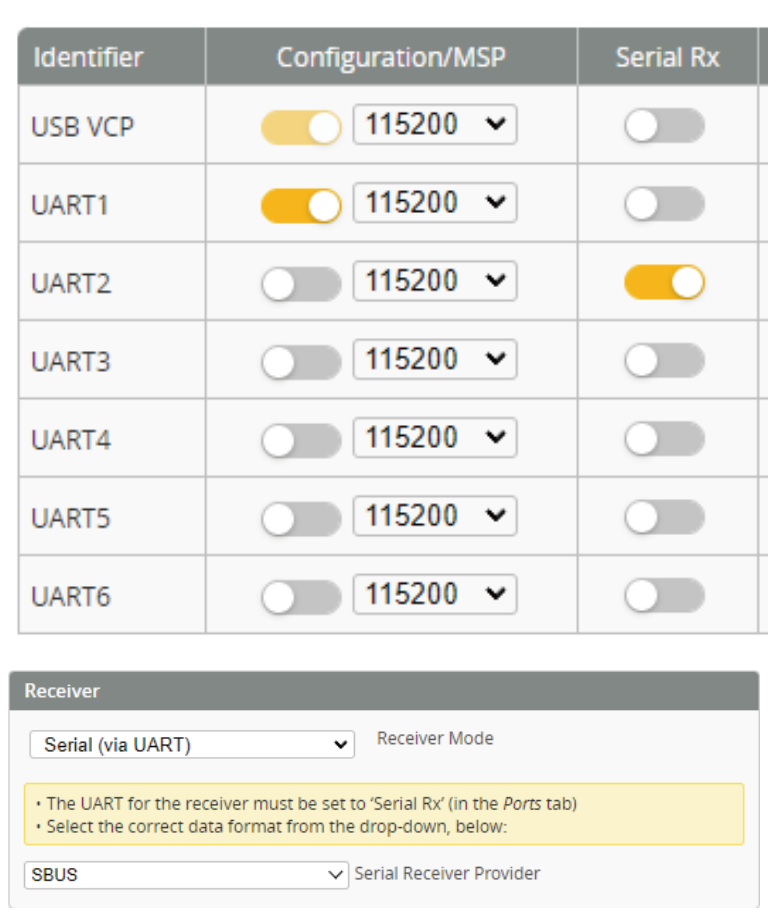


VBAT is a controllable output port. When the DJI Air Unit or any VTX is connected to VBAT, ensure that VTX_ON_OFF is always enable in Betaflight (place the AUX in any idle one), and set the AUX channel corresponding to the remote control switch if you wanna the VTX power to be controllable.



DJI Digital transmitters

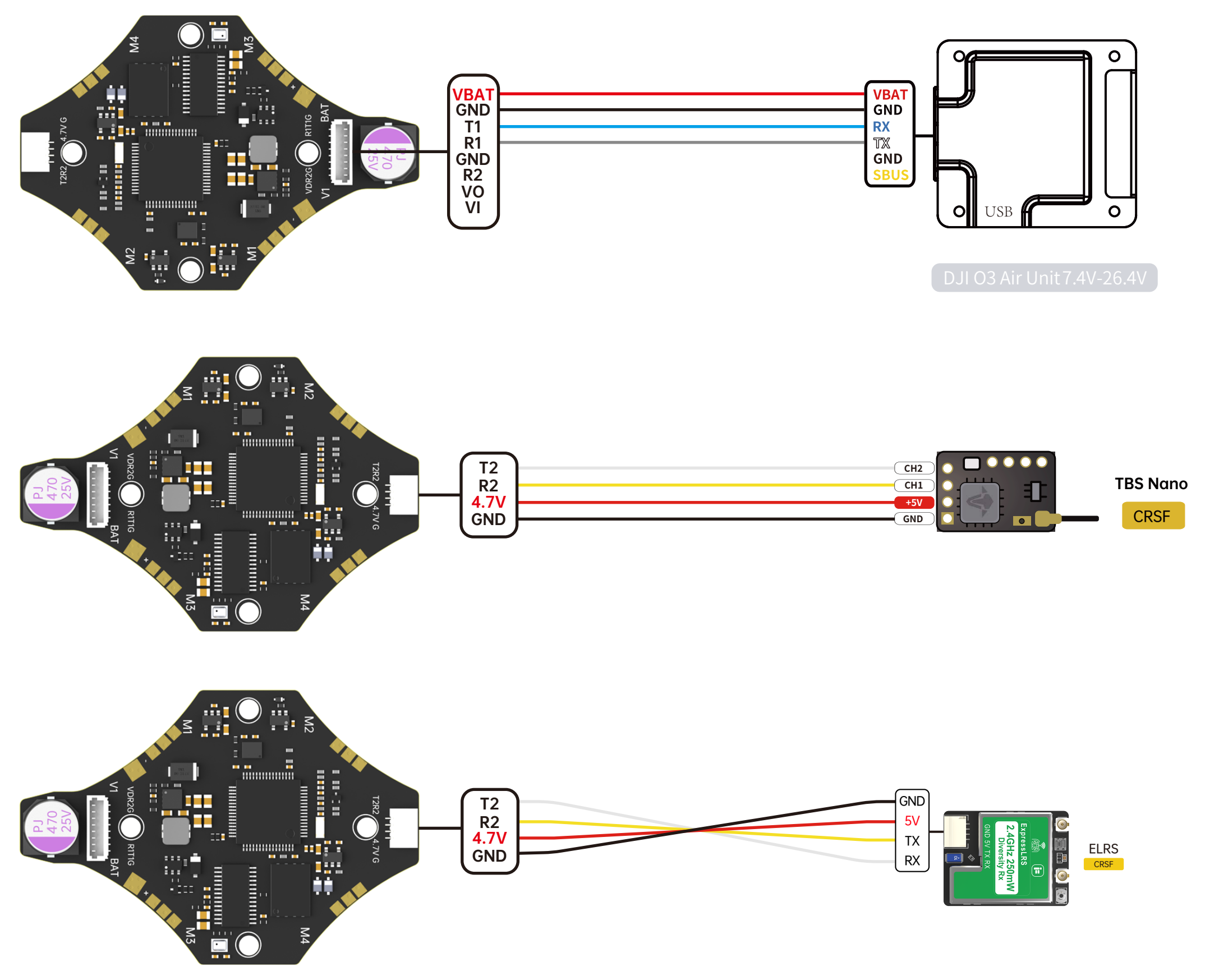


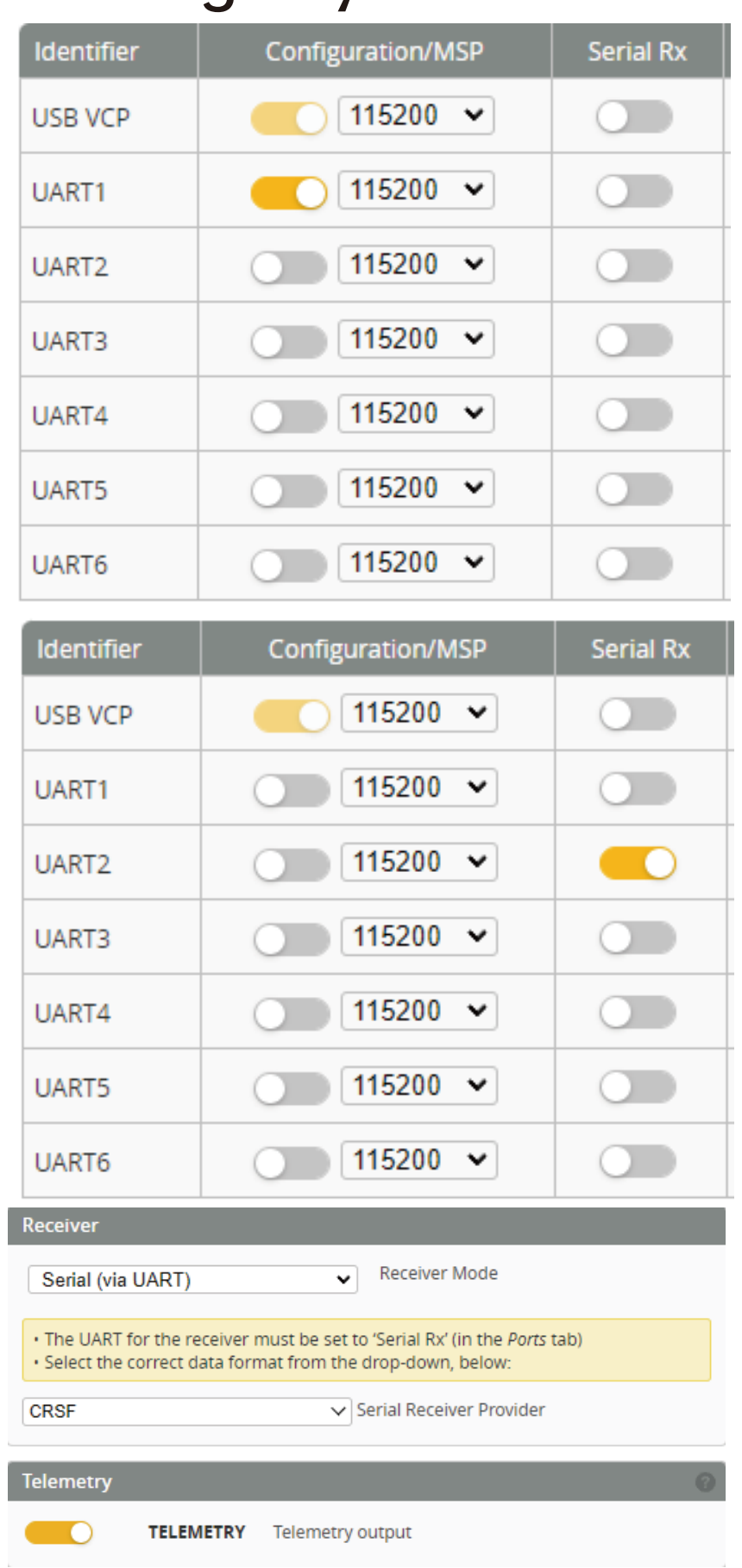


- For DJI O3 Air Unit,In to the Betaflight Configurator Cli,
  Set osd device to MSP :"set osd_displayport_device = MSP"
  Specify the serial port of msp_displayport as 0(the number in this place should be the serial port number minus 1):
  "set displayport_msp_serial = 0"
  then type "save" and exit
- note: DJI FPV Remote Controller2 is for DJI O3 Air Unit
  DJI FPV Remote Controller is for DJI Air Unit and Vista
- Please check your protocols, otherwise your DJI Radio won' t input signals!
  DJI Goggle protocol and Betaflight protocol has to match!
  For lower signal latency use the SBUS_BAUD_FAST protocol option on both ends.
- For Betafllght Copy\Paste “set sbus_baud_fast=on” into your Beataflight Configurator CLI then hit enter.
  Use“save” and hit enter to save the changes .
  Default: sbus_baud_fast=off, Goggle protocol set to NORMAL

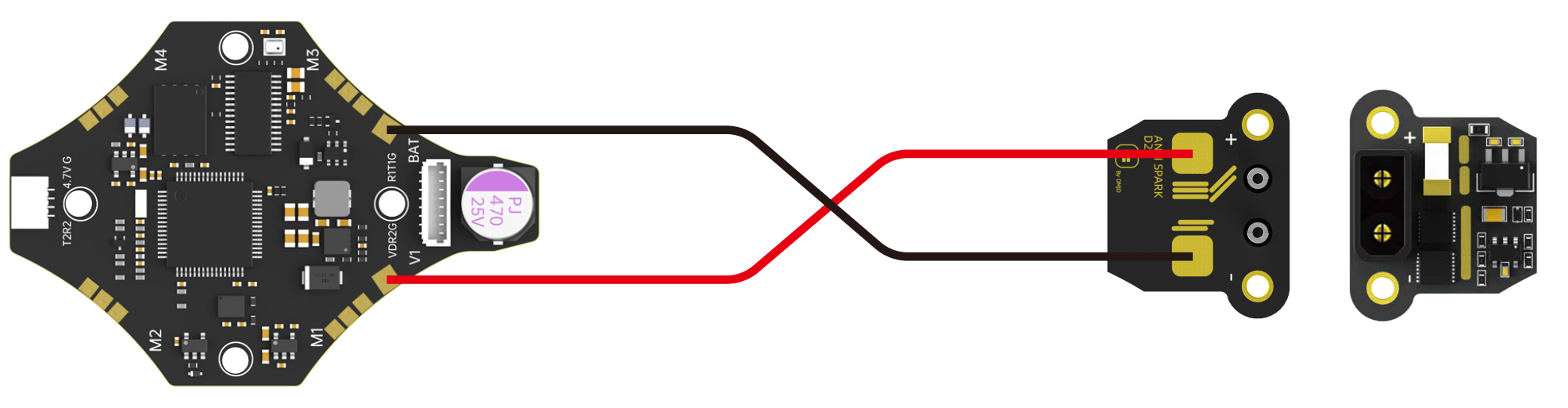
Any other receiver

Do not connect "SBUS" to the FC while using any other receiver

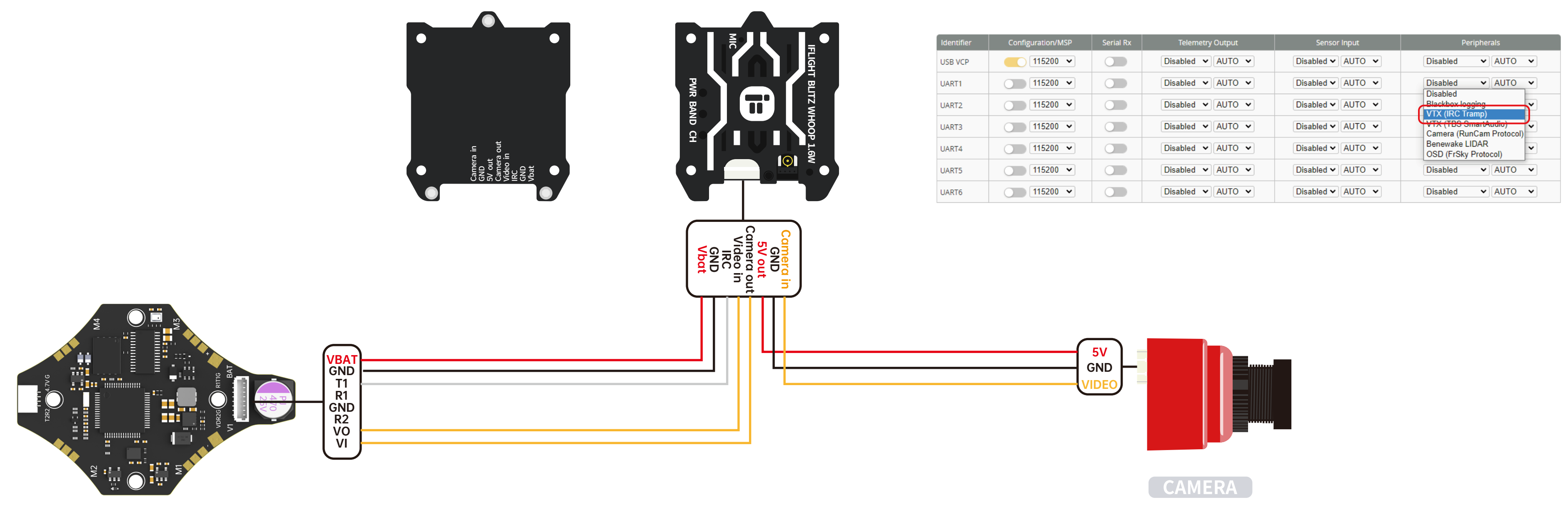




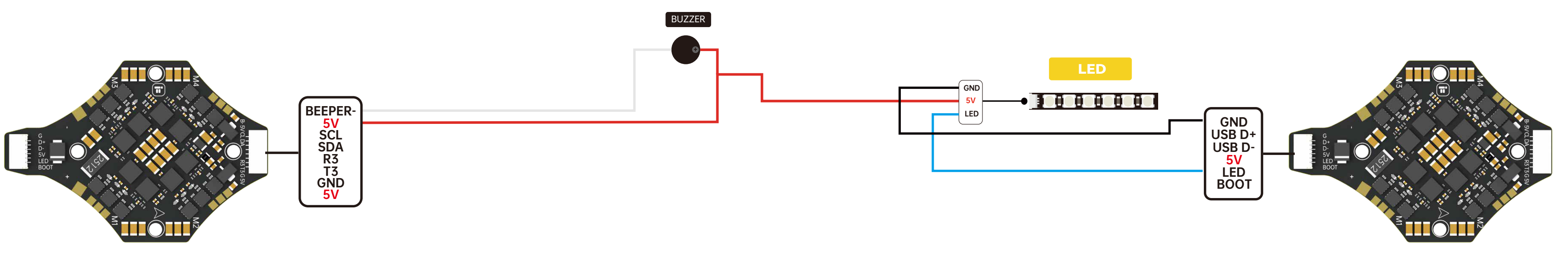
Anti-Spark filter



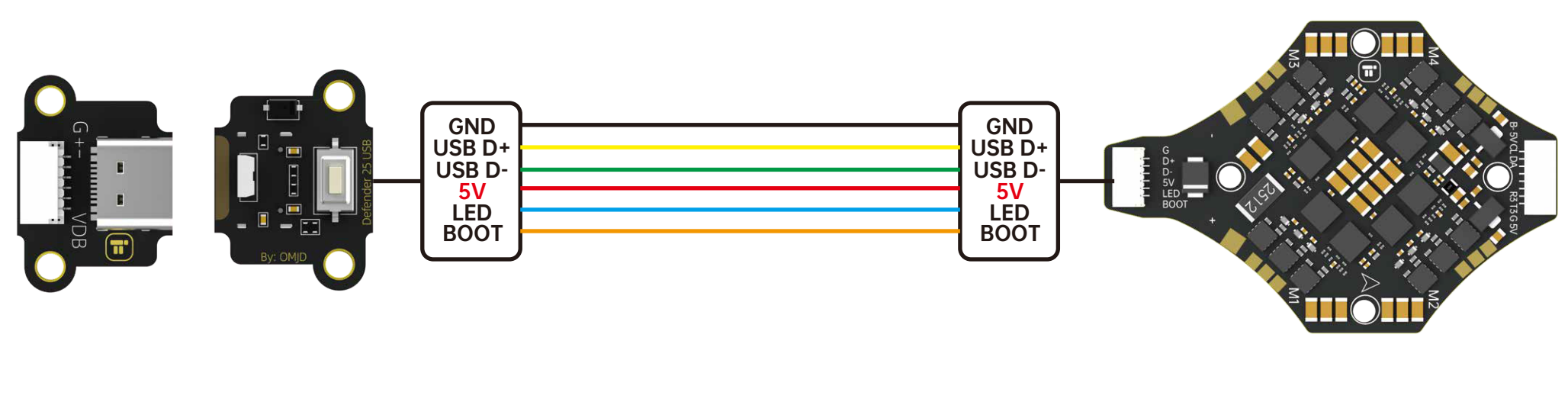
VTX&CAMERA



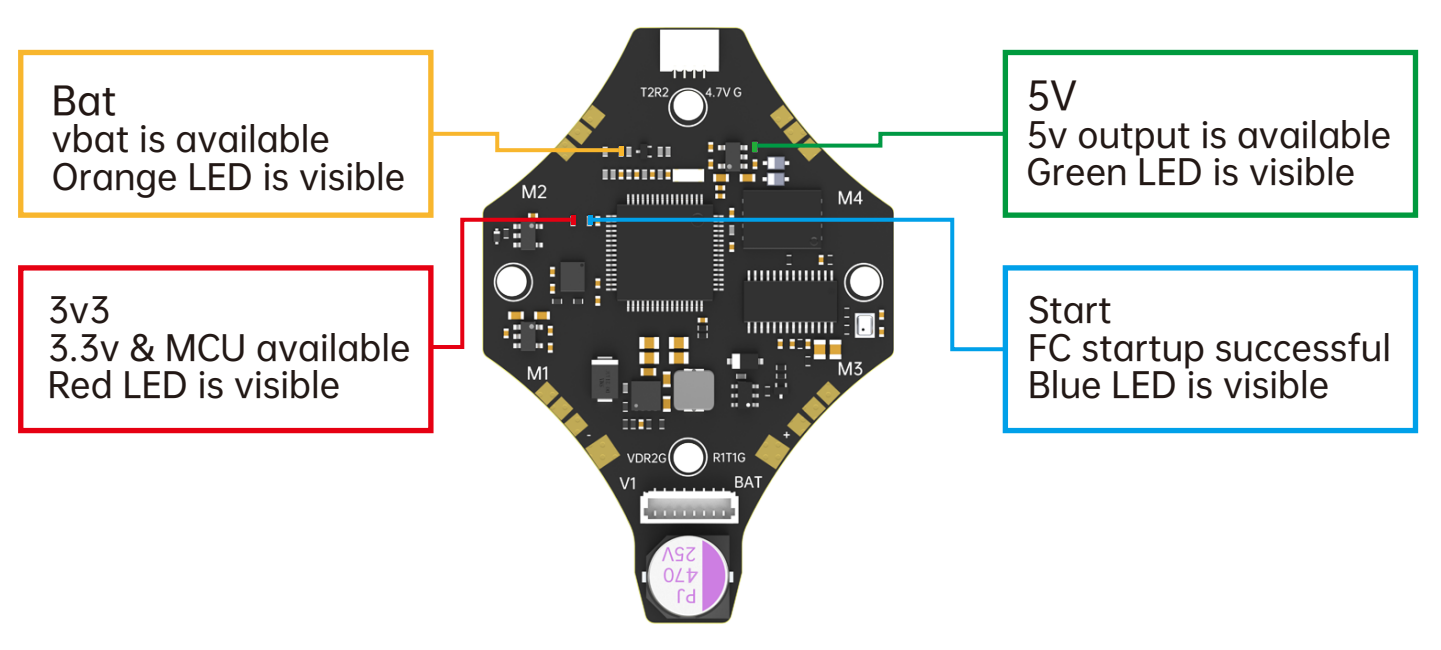
LED



USB



Status indicator



GPS

