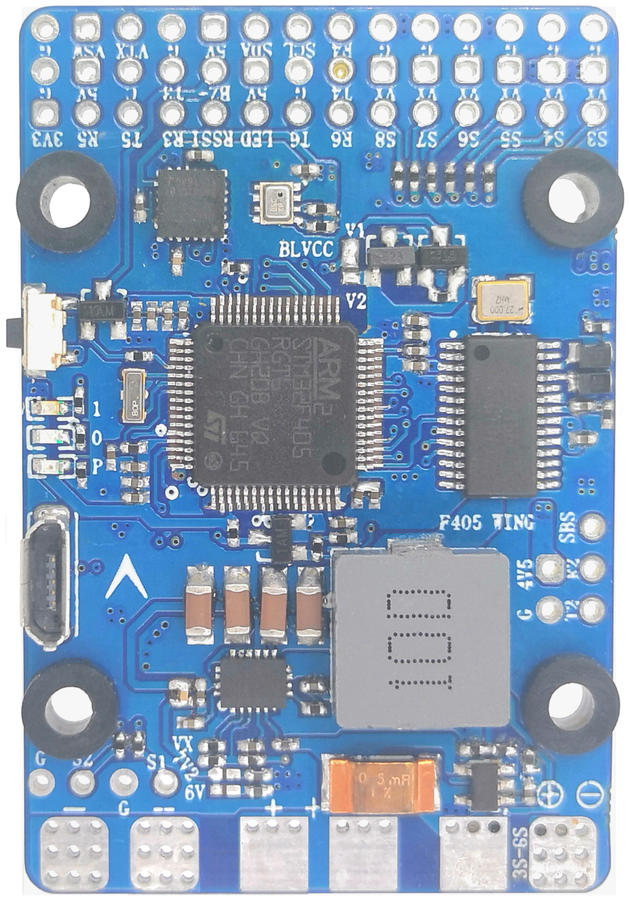
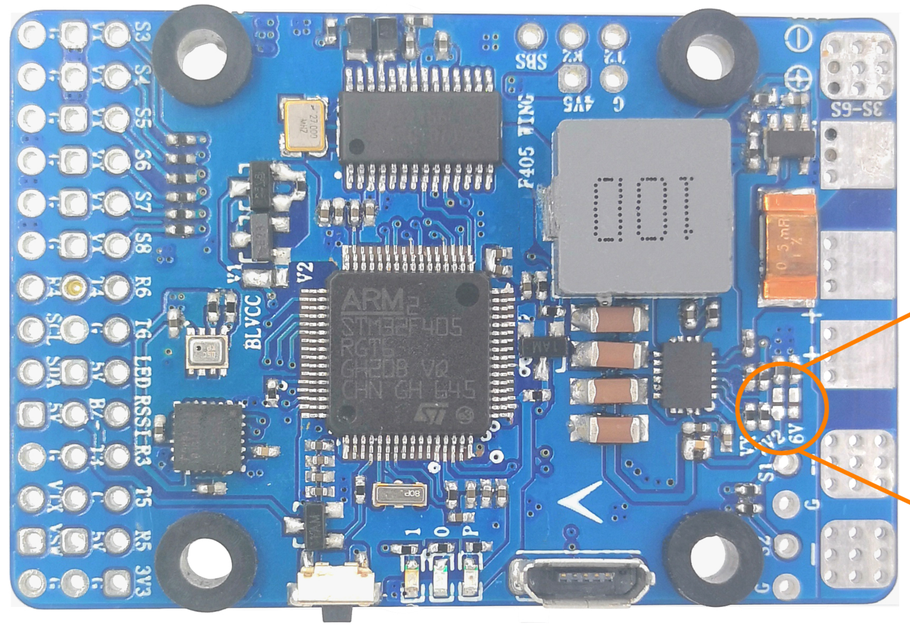
FC Specifications

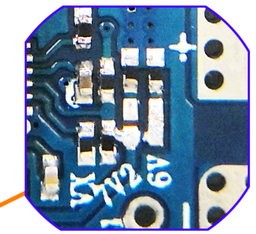
MXK F405 WING



FC Firmware	Physical
INAV-Radar	Mounting: 30.5 x 30.5mm
INAV	Dimensions: 54 x 36 x 13 mm
ArduPilot	Weight: 28g

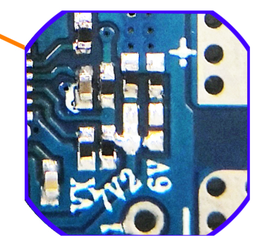
MCU: 168MHz STM32F405
IMU: MPU6000 accelerometer/gyro
Baro: BMP280
OSD: AT7456E
Blackbox: MicroSD card slot (SD/SDHC)
BLE Module: Inner connect to UART5 (MSP & Baud 9600) for remote setting with SpeedyBee App or other similar apps
6x Uarts (1,2,3,4,5,6)
1x Softserial-Tx(SoftSerial on TX2 pad)
2x Motors, 6x Servos outputs
2x I2C
3x LEDs for FC STATUS (Blue, Green) and 3.3V indicator(Red)
Built in inverter for SBUS input (UART2-RX)
PPM/UART Shared: UART2-RX
WS2812 Led Strip : Yes
Battery Voltage Sensor: 1:10 (Scale 1100)
Current Senor: 104A, 3.3V ADC, Scale 317
Beeper : Yes
RSSI: Yes
2x ESC power pads
Input voltage range: 9~30V (3~6S LiPo) w/TVS protection
3.3V (3V3) 0.3A BEC(Designed for Spektrum RX)
5V (5V) 2A BEC(Designed for Flight controller, Receiver, OSD, Camera, Buzzer, 2812 LED_Strip, GPS module, AirSpeed etc)
9V/12V (VSW) 2A BEC(Designed for Video Transmitter, Gimbal ect), 12V option with Jumper pad
5V/6V/7.2V (VX) 5A BEC(Designed for Servos),Voltage adjustable, 5V Default, 6V or 7.2V via jumper



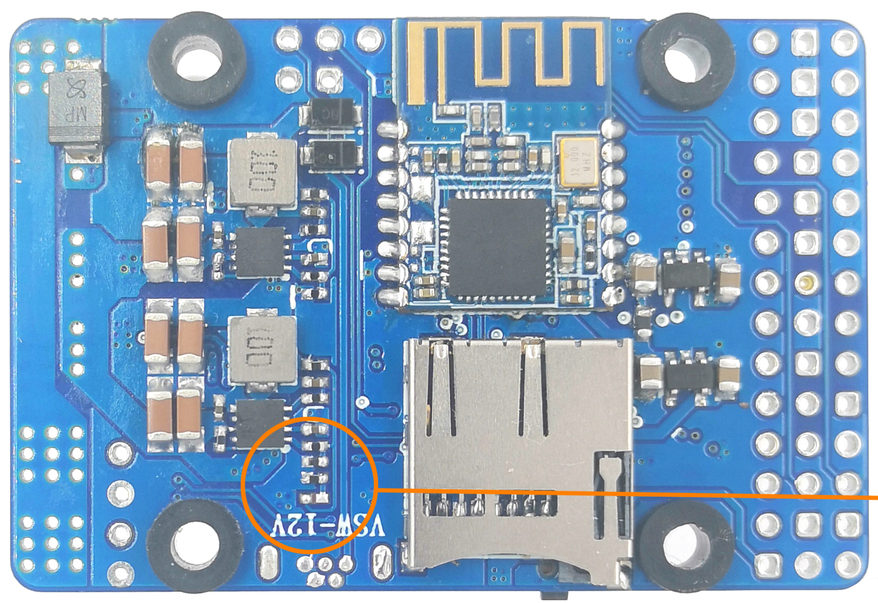


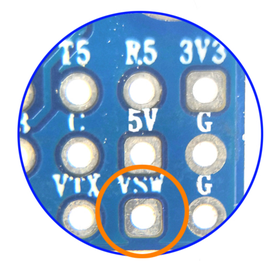
VX=6V

VX=5V default

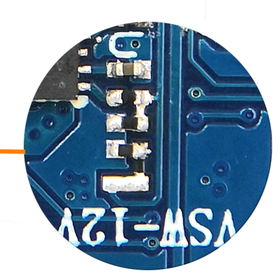


VX=7.2V

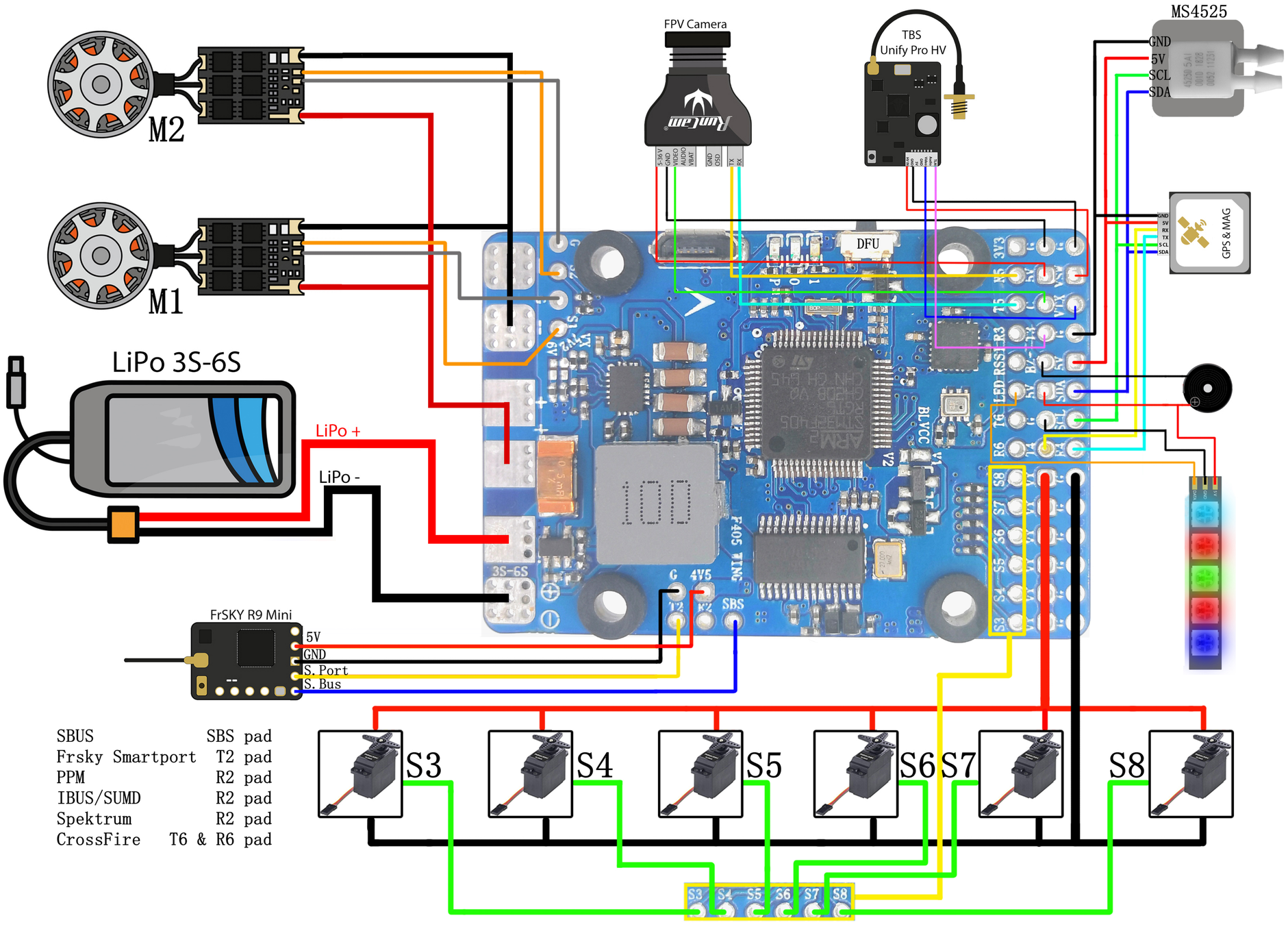




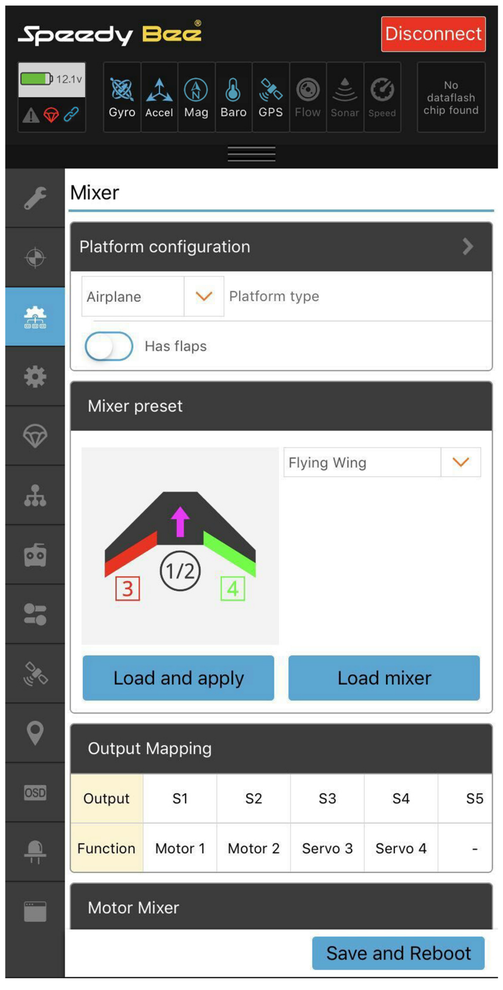
VSW=9V default

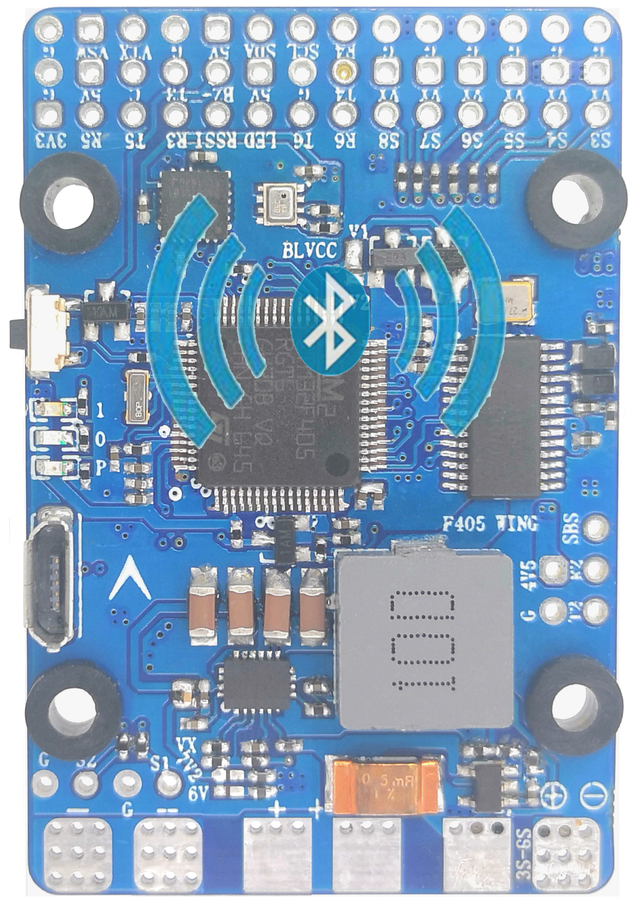


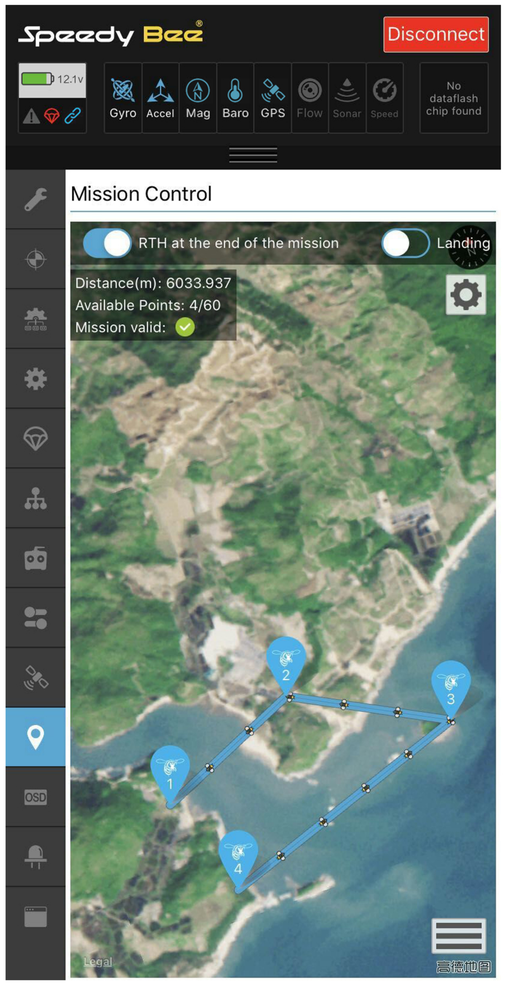
VSW=12V

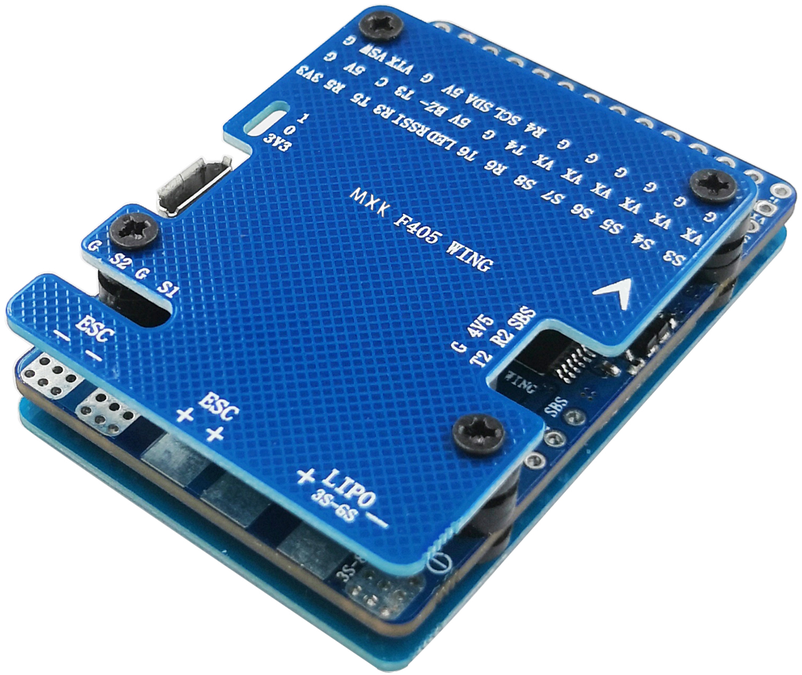
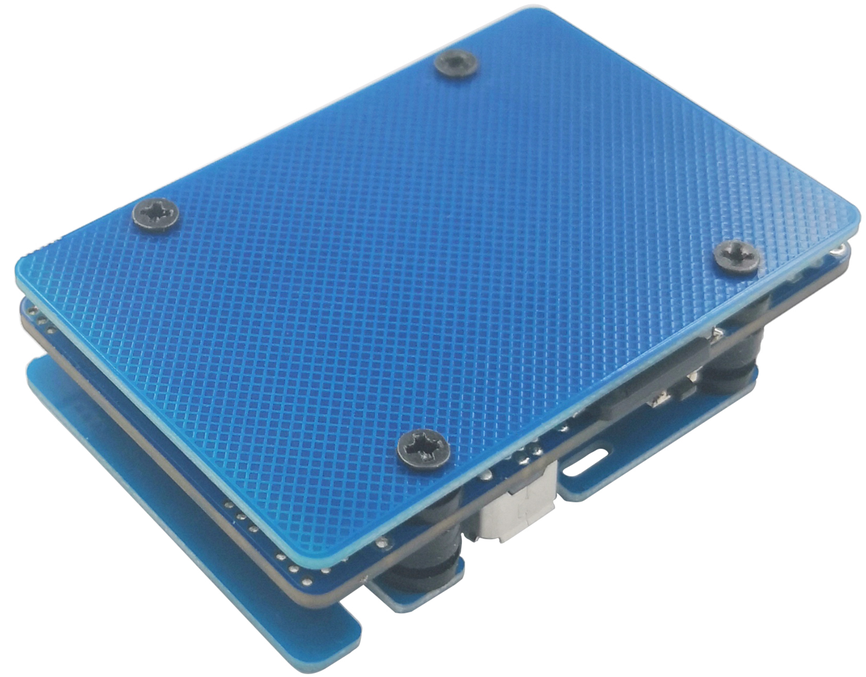

M2
M1
FPV Camera
TBS
Unify Pro HV
MS4525
GND
5V
SCL
SDA
GPS & MAG
DFU
LiPo 3S-6S
LiPo +
LiPo -
FrSKY R9 Mini
5V
GND
S. Port
S. Bus
SBS pad
T2 pad
R2 pad
R2 pad
R2 pad
T6 & R6 pad
S3
S4
S5
S6
S7
S8

APP instructions
Android | iOS
Search 'Speedy Bee' on Google Play/App Store
Connect with the APP
Open APP, click Search, you will see the Bluetooth starting with "MXK", select your Bluetooth and then you will enter the APP








MXK F405 WING
ESC
ESC
LIPO
3S-6S