# dump  
  
# version  
# Betaflight / STM32F405 (S405) 4.2.4 Oct 20 2020 / 08:18:45 (fbcaf8c50) MSP API: 1.43  
# config: manufacturer\_id: AIKO, board\_name: AIKONF4, version: 3a35e73b, date: 2019-09-30T05:46:12Z  
  
# start the command batch  
batch start  
  
board\_name AIKONF4  
manufacturer\_id AIKO  
  
# name: Tigers.i  
  
# resources  
resource BEEPER 1 B05  
resource MOTOR 1 C09  
resource MOTOR 2 C08  
resource MOTOR 3 C07  
resource MOTOR 4 C06  
resource MOTOR 5 B00  
resource MOTOR 6 B01  
resource MOTOR 7 NONE  
resource MOTOR 8 NONE  
resource SERVO 1 NONE  
resource SERVO 2 NONE  
resource SERVO 3 NONE  
resource SERVO 4 NONE  
resource SERVO 5 NONE  
resource SERVO 6 NONE  
resource SERVO 7 NONE  
resource SERVO 8 NONE  
resource PPM 1 B06  
resource PWM 1 NONE  
resource PWM 2 NONE  
resource PWM 3 NONE  
resource PWM 4 NONE  
resource PWM 5 NONE  
resource PWM 6 NONE  
resource PWM 7 NONE  
resource PWM 8 NONE  
resource SONAR\_TRIGGER 1 NONE  
resource SONAR\_ECHO 1 NONE  
resource LED\_STRIP 1 B06  
resource SERIAL\_TX 1 NONE  
resource SERIAL\_TX 2 A02  
resource SERIAL\_TX 3 B10  
resource SERIAL\_TX 4 A00  
resource SERIAL\_TX 5 NONE  
resource SERIAL\_TX 6 NONE  
resource SERIAL\_TX 7 NONE  
resource SERIAL\_TX 8 NONE  
resource SERIAL\_TX 9 NONE  
resource SERIAL\_TX 10 NONE  
resource SERIAL\_TX 11 A09  
resource SERIAL\_TX 12 NONE  
resource SERIAL\_RX 1 A10  
resource SERIAL\_RX 2 A03  
resource SERIAL\_RX 3 B11  
resource SERIAL\_RX 4 NONE  
resource SERIAL\_RX 5 NONE  
resource SERIAL\_RX 6 NONE  
resource SERIAL\_RX 7 NONE  
resource SERIAL\_RX 8 NONE  
resource SERIAL\_RX 9 NONE  
resource SERIAL\_RX 10 NONE  
resource SERIAL\_RX 11 NONE  
resource SERIAL\_RX 12 A01  
resource INVERTER 1 C00  
resource INVERTER 2 NONE  
resource INVERTER 3 NONE  
resource INVERTER 4 NONE  
resource INVERTER 5 NONE  
resource INVERTER 6 NONE  
resource INVERTER 7 NONE  
resource INVERTER 8 NONE  
resource INVERTER 9 NONE  
resource INVERTER 10 NONE  
resource INVERTER 11 NONE  
resource INVERTER 12 NONE  
resource I2C\_SCL 1 B08  
resource I2C\_SCL 2 NONE  
resource I2C\_SCL 3 NONE  
resource I2C\_SDA 1 B09  
resource I2C\_SDA 2 NONE  
resource I2C\_SDA 3 NONE  
resource LED 1 B04  
resource LED 2 NONE  
resource LED 3 NONE  
resource RX\_BIND 1 NONE  
resource RX\_BIND\_PLUG 1 NONE  
resource TRANSPONDER 1 NONE  
resource SPI\_SCK 1 A05  
resource SPI\_SCK 2 B13  
resource SPI\_SCK 3 C10  
resource SPI\_MISO 1 A06  
resource SPI\_MISO 2 B14  
resource SPI\_MISO 3 C11  
resource SPI\_MOSI 1 A07  
resource SPI\_MOSI 2 B15  
resource SPI\_MOSI 3 C12  
resource ESCSERIAL 1 B06  
resource CAMERA\_CONTROL 1 B03  
resource ADC\_BATT 1 C02  
resource ADC\_RSSI 1 C03  
resource ADC\_CURR 1 C01  
resource ADC\_EXT 1 NONE  
resource BARO\_CS 1 NONE  
resource BARO\_EOC 1 NONE  
resource BARO\_XCLR 1 NONE  
resource COMPASS\_CS 1 NONE  
resource COMPASS\_EXTI 1 NONE  
resource SDCARD\_CS 1 NONE  
resource SDCARD\_DETECT 1 NONE  
resource PINIO 1 NONE  
resource PINIO 2 NONE  
resource PINIO 3 NONE  
resource PINIO 4 NONE  
resource USB\_MSC\_PIN 1 NONE  
resource FLASH\_CS 1 B12  
resource OSD\_CS 1 A15  
resource RX\_SPI\_CS 1 NONE  
resource RX\_SPI\_EXTI 1 NONE  
resource RX\_SPI\_BIND 1 NONE  
resource RX\_SPI\_LED 1 NONE  
resource RX\_SPI\_CC2500\_TX\_EN 1 NONE  
resource RX\_SPI\_CC2500\_LNA\_EN 1 NONE  
resource RX\_SPI\_CC2500\_ANT\_SEL 1 NONE  
resource GYRO\_EXTI 1 C04  
resource GYRO\_EXTI 2 NONE  
resource GYRO\_CS 1 A04  
resource GYRO\_CS 2 NONE  
resource USB\_DETECT 1 D02  
resource VTX\_POWER 1 NONE  
resource VTX\_CS 1 NONE  
resource VTX\_DATA 1 NONE  
resource VTX\_CLK 1 NONE  
resource PULLUP 1 NONE  
resource PULLUP 2 NONE  
resource PULLUP 3 NONE  
resource PULLUP 4 NONE  
resource PULLDOWN 1 NONE  
resource PULLDOWN 2 NONE  
resource PULLDOWN 3 NONE  
resource PULLDOWN 4 NONE  
  
# timer  
timer B03 AF1  
# pin B03: TIM2 CH2 (AF1)  
timer C06 AF3  
# pin C06: TIM8 CH1 (AF3)  
timer C07 AF3  
# pin C07: TIM8 CH2 (AF3)  
timer C08 AF3  
# pin C08: TIM8 CH3 (AF3)  
timer C09 AF3  
# pin C09: TIM8 CH4 (AF3)  
timer B00 AF2  
# pin B00: TIM3 CH3 (AF2)  
timer B01 AF2  
# pin B01: TIM3 CH4 (AF2)  
timer A09 AF1  
# pin A09: TIM1 CH2 (AF1)  
timer A02 AF3  
# pin A02: TIM9 CH1 (AF3)  
timer A03 AF3  
# pin A03: TIM9 CH2 (AF3)  
timer A00 AF2  
# pin A00: TIM5 CH1 (AF2)  
timer A01 AF2  
# pin A01: TIM5 CH2 (AF2)  
timer B06 AF2  
# pin B06: TIM4 CH1 (AF2)  
  
# dma  
dma SPI\_TX 1 NONE  
dma SPI\_TX 2 NONE  
dma SPI\_TX 3 NONE  
dma SPI\_RX 1 NONE  
dma SPI\_RX 2 NONE  
dma SPI\_RX 3 NONE  
dma ADC 1 1  
# ADC 1: DMA2 Stream 4 Channel 0  
dma ADC 2 NONE  
dma ADC 3 NONE  
dma UART\_TX 1 NONE  
dma UART\_TX 2 NONE  
dma UART\_TX 3 NONE  
dma UART\_TX 4 NONE  
dma UART\_TX 5 NONE  
dma UART\_TX 6 NONE  
dma UART\_TX 7 NONE  
dma UART\_TX 8 NONE  
dma UART\_RX 1 NONE  
dma UART\_RX 2 NONE  
dma UART\_RX 3 NONE  
dma UART\_RX 4 NONE  
dma UART\_RX 5 NONE  
dma UART\_RX 6 NONE  
dma UART\_RX 7 NONE  
dma UART\_RX 8 NONE  
dma pin B03 0  
# pin B03: DMA1 Stream 6 Channel 3  
dma pin C06 0  
# pin C06: DMA2 Stream 2 Channel 0  
dma pin C07 0  
# pin C07: DMA2 Stream 2 Channel 0  
dma pin C08 0  
# pin C08: DMA2 Stream 2 Channel 0  
dma pin C09 0  
# pin C09: DMA2 Stream 7 Channel 7  
dma pin B00 0  
# pin B00: DMA1 Stream 7 Channel 5  
dma pin B01 0  
# pin B01: DMA1 Stream 2 Channel 5  
dma pin A09 0  
# pin A09: DMA2 Stream 6 Channel 0  
dma pin A02 NONE  
dma pin A03 NONE  
dma pin A00 0  
# pin A00: DMA1 Stream 2 Channel 6  
dma pin A01 0  
# pin A01: DMA1 Stream 4 Channel 6  
dma pin B06 0  
# pin B06: DMA1 Stream 0 Channel 2  
  
# mixer  
mixer QUADX  
  
mmix reset  
  
  
# servo  
servo 0 1000 2000 1500 100 -1  
servo 1 1000 2000 1500 100 -1  
servo 2 1000 2000 1500 100 -1  
servo 3 1000 2000 1500 100 -1  
servo 4 1000 2000 1500 100 -1  
servo 5 1000 2000 1500 100 -1  
servo 6 1000 2000 1500 100 -1  
servo 7 1000 2000 1500 100 -1  
  
# servo mixer  
smix reset  
  
  
# feature  
feature -RX\_PPM  
feature -INFLIGHT\_ACC\_CAL  
feature -RX\_SERIAL  
feature -MOTOR\_STOP  
feature -SERVO\_TILT  
feature -SOFTSERIAL  
feature -GPS  
feature -RANGEFINDER  
feature -TELEMETRY  
feature -3D  
feature -RX\_PARALLEL\_PWM  
feature -RX\_MSP  
feature -RSSI\_ADC  
feature -LED\_STRIP  
feature -DISPLAY  
feature -OSD  
feature -CHANNEL\_FORWARDING  
feature -TRANSPONDER  
feature -AIRMODE  
feature -RX\_SPI  
feature -ESC\_SENSOR  
feature -ANTI\_GRAVITY  
feature -DYNAMIC\_FILTER  
feature RX\_SERIAL  
feature TELEMETRY  
feature OSD  
feature AIRMODE  
feature ANTI\_GRAVITY  
feature DYNAMIC\_FILTER  
  
# beeper  
beeper -GYRO\_CALIBRATED  
beeper RX\_LOST  
beeper -RX\_LOST\_LANDING  
beeper -DISARMING  
beeper -ARMING  
beeper -ARMING\_GPS\_FIX  
beeper ARMING\_GPS\_NO\_FIX  
beeper BAT\_CRIT\_LOW  
beeper -BAT\_LOW  
beeper -GPS\_STATUS  
beeper RX\_SET  
beeper -ACC\_CALIBRATION  
beeper -ACC\_CALIBRATION\_FAIL  
beeper -READY\_BEEP  
beeper MULTI\_BEEPS  
beeper -DISARM\_REPEAT  
beeper -ARMED  
beeper -SYSTEM\_INIT  
beeper -ON\_USB  
beeper -BLACKBOX\_ERASE  
beeper CRASH\_FLIP  
beeper -CAM\_CONNECTION\_OPEN  
beeper -CAM\_CONNECTION\_CLOSE  
beeper -RC\_SMOOTHING\_INIT\_FAIL  
  
# beacon  
beacon -RX\_LOST  
beacon -RX\_SET  
  
# map  
map TAER1234  
  
# serial  
serial 20 1 115200 57600 0 115200  
serial 0 0 115200 57600 0 115200  
serial 1 64 115200 57600 0 115200  
serial 2 0 115200 57600 0 115200  
serial 3 1 115200 57600 0 115200  
  
# led  
led 0 0,0::C:0  
led 1 0,0::C:0  
led 2 0,0::C:0  
led 3 0,0::C:0  
led 4 0,0::C:0  
led 5 0,0::C:0  
led 6 0,0::C:0  
led 7 0,0::C:0  
led 8 0,0::C:0  
led 9 0,0::C:0  
led 10 0,0::C:0  
led 11 0,0::C:0  
led 12 0,0::C:0  
led 13 0,0::C:0  
led 14 0,0::C:0  
led 15 0,0::C:0  
led 16 0,0::C:0  
led 17 0,0::C:0  
led 18 0,0::C:0  
led 19 0,0::C:0  
led 20 0,0::C:0  
led 21 0,0::C:0  
led 22 0,0::C:0  
led 23 0,0::C:0  
led 24 0,0::C:0  
led 25 0,0::C:0  
led 26 0,0::C:0  
led 27 0,0::C:0  
led 28 0,0::C:0  
led 29 0,0::C:0  
led 30 0,0::C:0  
led 31 0,0::C:0  
  
# color  
color 0 0,0,0  
color 1 0,255,255  
color 2 0,0,255  
color 3 30,0,255  
color 4 60,0,255  
color 5 90,0,255  
color 6 120,0,255  
color 7 150,0,255  
color 8 180,0,255  
color 9 210,0,255  
color 10 240,0,255  
color 11 270,0,255  
color 12 300,0,255  
color 13 330,0,255  
color 14 0,0,0  
color 15 0,0,0  
  
# mode\_color  
mode\_color 0 0 1  
mode\_color 0 1 11  
mode\_color 0 2 2  
mode\_color 0 3 13  
mode\_color 0 4 10  
mode\_color 0 5 3  
mode\_color 1 0 5  
mode\_color 1 1 11  
mode\_color 1 2 3  
mode\_color 1 3 13  
mode\_color 1 4 10  
mode\_color 1 5 3  
mode\_color 2 0 10  
mode\_color 2 1 11  
mode\_color 2 2 4  
mode\_color 2 3 13  
mode\_color 2 4 10  
mode\_color 2 5 3  
mode\_color 3 0 8  
mode\_color 3 1 11  
mode\_color 3 2 4  
mode\_color 3 3 13  
mode\_color 3 4 10  
mode\_color 3 5 3  
mode\_color 4 0 7  
mode\_color 4 1 11  
mode\_color 4 2 3  
mode\_color 4 3 13  
mode\_color 4 4 10  
mode\_color 4 5 3  
mode\_color 5 0 0  
mode\_color 5 1 0  
mode\_color 5 2 0  
mode\_color 5 3 0  
mode\_color 5 4 0  
mode\_color 5 5 0  
mode\_color 6 0 6  
mode\_color 6 1 10  
mode\_color 6 2 1  
mode\_color 6 3 0  
mode\_color 6 4 0  
mode\_color 6 5 2  
mode\_color 6 6 3  
mode\_color 6 7 6  
mode\_color 6 8 0  
mode\_color 6 9 0  
mode\_color 6 10 0  
mode\_color 7 0 3  
  
# aux  
aux 0 0 0 1700 2100 0 0  
aux 1 13 2 1700 2100 0 0  
aux 2 35 1 1700 2100 0 0  
aux 3 0 0 900 900 0 0  
aux 4 0 0 900 900 0 0  
aux 5 0 0 900 900 0 0  
aux 6 0 0 900 900 0 0  
aux 7 0 0 900 900 0 0  
aux 8 0 0 900 900 0 0  
aux 9 0 0 900 900 0 0  
aux 10 0 0 900 900 0 0  
aux 11 0 0 900 900 0 0  
aux 12 0 0 900 900 0 0  
aux 13 0 0 900 900 0 0  
aux 14 0 0 900 900 0 0  
aux 15 0 0 900 900 0 0  
aux 16 0 0 900 900 0 0  
aux 17 0 0 900 900 0 0  
aux 18 0 0 900 900 0 0  
aux 19 0 0 900 900 0 0  
  
# adjrange  
adjrange 0 0 0 900 900 0 0 0 0  
adjrange 1 0 0 900 900 0 0 0 0  
adjrange 2 0 0 900 900 0 0 0 0  
adjrange 3 0 0 900 900 0 0 0 0  
adjrange 4 0 0 900 900 0 0 0 0  
adjrange 5 0 0 900 900 0 0 0 0  
adjrange 6 0 0 900 900 0 0 0 0  
adjrange 7 0 0 900 900 0 0 0 0  
adjrange 8 0 0 900 900 0 0 0 0  
adjrange 9 0 0 900 900 0 0 0 0  
adjrange 10 0 0 900 900 0 0 0 0  
adjrange 11 0 0 900 900 0 0 0 0  
adjrange 12 0 0 900 900 0 0 0 0  
adjrange 13 0 0 900 900 0 0 0 0  
adjrange 14 0 0 900 900 0 0 0 0  
adjrange 15 0 0 900 900 0 0 0 0  
adjrange 16 0 0 900 900 0 0 0 0  
adjrange 17 0 0 900 900 0 0 0 0  
adjrange 18 0 0 900 900 0 0 0 0  
adjrange 19 0 0 900 900 0 0 0 0  
adjrange 20 0 0 900 900 0 0 0 0  
adjrange 21 0 0 900 900 0 0 0 0  
adjrange 22 0 0 900 900 0 0 0 0  
adjrange 23 0 0 900 900 0 0 0 0  
adjrange 24 0 0 900 900 0 0 0 0  
adjrange 25 0 0 900 900 0 0 0 0  
adjrange 26 0 0 900 900 0 0 0 0  
adjrange 27 0 0 900 900 0 0 0 0  
adjrange 28 0 0 900 900 0 0 0 0  
adjrange 29 0 0 900 900 0 0 0 0  
  
# rxrange  
rxrange 0 1000 2000  
rxrange 1 1000 2000  
rxrange 2 1000 2000  
rxrange 3 1000 2000  
  
# vtxtable  
vtxtable bands 0  
vtxtable channels 0  
vtxtable powerlevels 0  
vtxtable powervalues  
vtxtable powerlabels  
  
# vtx  
vtx 0 0 0 0 0 900 900  
vtx 1 0 0 0 0 900 900  
vtx 2 0 0 0 0 900 900  
vtx 3 0 0 0 0 900 900  
vtx 4 0 0 0 0 900 900  
vtx 5 0 0 0 0 900 900  
vtx 6 0 0 0 0 900 900  
vtx 7 0 0 0 0 900 900  
vtx 8 0 0 0 0 900 900  
vtx 9 0 0 0 0 900 900  
  
# rxfail  
rxfail 0 a  
rxfail 1 a  
rxfail 2 a  
rxfail 3 a  
rxfail 4 h  
rxfail 5 h  
rxfail 6 h  
rxfail 7 h  
rxfail 8 h  
rxfail 9 h  
rxfail 10 h  
rxfail 11 h  
rxfail 12 h  
rxfail 13 h  
rxfail 14 h  
rxfail 15 h  
rxfail 16 h  
rxfail 17 h  
  
# master  
set gyro\_hardware\_lpf = NORMAL  
set gyro\_lowpass\_type = PT1  
set gyro\_lowpass\_hz = 200  
set gyro\_lowpass2\_type = PT1  
set gyro\_lowpass2\_hz = 325  
set gyro\_notch1\_hz = 0  
set gyro\_notch1\_cutoff = 0  
set gyro\_notch2\_hz = 0  
set gyro\_notch2\_cutoff = 0  
set gyro\_calib\_duration = 125  
set gyro\_calib\_noise\_limit = 48  
set gyro\_offset\_yaw = 0  
set gyro\_overflow\_detect = ALL  
set yaw\_spin\_recovery = AUTO  
set yaw\_spin\_threshold = 1950  
set gyro\_to\_use = FIRST  
set dyn\_notch\_width\_percent = 8  
set dyn\_notch\_q = 120  
set dyn\_notch\_min\_hz = 150  
set dyn\_notch\_max\_hz = 600  
set dyn\_lpf\_gyro\_min\_hz = 260  
set dyn\_lpf\_gyro\_max\_hz = 650  
set gyro\_filter\_debug\_axis = ROLL  
set acc\_hardware = NONE  
set acc\_lpf\_hz = 10  
set acc\_trim\_pitch = 0  
set acc\_trim\_roll = 0  
set acc\_calibration = 0,0,0,0  
set align\_mag = DEFAULT  
set mag\_align\_roll = 0  
set mag\_align\_pitch = 0  
set mag\_align\_yaw = 0  
set mag\_bustype = SPI  
set mag\_i2c\_device = 0  
set mag\_i2c\_address = 0  
set mag\_spi\_device = 0  
set mag\_hardware = NONE  
set mag\_declination = 0  
set mag\_calibration = 0,0,0  
set baro\_bustype = I2C  
set baro\_spi\_device = 0  
set baro\_i2c\_device = 1  
set baro\_i2c\_address = 0  
set baro\_hardware = NONE  
set baro\_tab\_size = 21  
set baro\_noise\_lpf = 600  
set baro\_cf\_vel = 985  
set mid\_rc = 1500  
set min\_check = 1050  
set max\_check = 1900  
set rssi\_channel = 12  
set rssi\_src\_frame\_errors = OFF  
set rssi\_scale = 100  
set rssi\_offset = 0  
set rssi\_invert = OFF  
set rssi\_src\_frame\_lpf\_period = 30  
set rc\_interp = AUTO  
set rc\_interp\_ch = RPYT  
set rc\_interp\_int = 19  
set rc\_smoothing\_type = FILTER  
set rc\_smoothing\_input\_hz = 0  
set rc\_smoothing\_derivative\_hz = 0  
set rc\_smoothing\_debug\_axis = ROLL  
set rc\_smoothing\_input\_type = BIQUAD  
set rc\_smoothing\_derivative\_type = AUTO  
set rc\_smoothing\_auto\_smoothness = 10  
set fpv\_mix\_degrees = 0  
set max\_aux\_channels = 14  
set serialrx\_provider = CRSF  
set serialrx\_inverted = OFF  
set spektrum\_sat\_bind = 0  
set spektrum\_sat\_bind\_autoreset = ON  
set srxl2\_unit\_id = 1  
set srxl2\_baud\_fast = ON  
set sbus\_baud\_fast = OFF  
set crsf\_use\_rx\_snr = OFF  
set airmode\_start\_throttle\_percent = 25  
set rx\_min\_usec = 885  
set rx\_max\_usec = 2115  
set serialrx\_halfduplex = OFF  
set rx\_spi\_protocol = V202\_250K  
set rx\_spi\_bus = 0  
set rx\_spi\_led\_inversion = OFF  
set adc\_device = 1  
set adc\_vrefint\_calibration = 0  
set adc\_tempsensor\_calibration30 = 0  
set adc\_tempsensor\_calibration110 = 0  
set input\_filtering\_mode = OFF  
set blackbox\_p\_ratio = 32  
set blackbox\_device = SPIFLASH  
set blackbox\_record\_acc = ON  
set blackbox\_mode = NORMAL  
set min\_throttle = 1070  
set max\_throttle = 2000  
set min\_command = 1000  
set dshot\_idle\_value = 550  
set dshot\_burst = ON  
set dshot\_bidir = ON  
set dshot\_bitbang = AUTO  
set dshot\_bitbang\_timer = AUTO  
set use\_unsynced\_pwm = OFF  
set motor\_pwm\_protocol = DSHOT300  
set motor\_pwm\_rate = 480  
set motor\_pwm\_inversion = OFF  
set motor\_poles = 14  
set thr\_corr\_value = 0  
set thr\_corr\_angle = 800  
set failsafe\_delay = 4  
set failsafe\_off\_delay = 10  
set failsafe\_throttle = 1000  
set failsafe\_switch\_mode = STAGE1  
set failsafe\_throttle\_low\_delay = 100  
set failsafe\_procedure = DROP  
set failsafe\_recovery\_delay = 20  
set failsafe\_stick\_threshold = 30  
set align\_board\_roll = 0  
set align\_board\_pitch = 0  
set align\_board\_yaw = 0  
set gimbal\_mode = NORMAL  
set bat\_capacity = 0  
set vbat\_max\_cell\_voltage = 430  
set vbat\_full\_cell\_voltage = 410  
set vbat\_min\_cell\_voltage = 330  
set vbat\_warning\_cell\_voltage = 350  
set vbat\_hysteresis = 1  
set current\_meter = ADC  
set battery\_meter = ADC  
set vbat\_detect\_cell\_voltage = 300  
set use\_vbat\_alerts = ON  
set use\_cbat\_alerts = OFF  
set cbat\_alert\_percent = 10  
set vbat\_cutoff\_percent = 100  
set force\_battery\_cell\_count = 0  
set vbat\_display\_lpf\_period = 30  
set vbat\_sag\_lpf\_period = 2  
set ibat\_lpf\_period = 10  
set vbat\_duration\_for\_warning = 0  
set vbat\_duration\_for\_critical = 0  
set vbat\_scale = 110  
set vbat\_divider = 10  
set vbat\_multiplier = 1  
set ibata\_scale = 400  
set ibata\_offset = 0  
set ibatv\_scale = 0  
set ibatv\_offset = 0  
set beeper\_inversion = ON  
set beeper\_od = OFF  
set beeper\_frequency = 0  
set beeper\_dshot\_beacon\_tone = 1  
set yaw\_motors\_reversed = ON  
set crashflip\_motor\_percent = 0  
set crashflip\_expo = 35  
set 3d\_deadband\_low = 1406  
set 3d\_deadband\_high = 1514  
set 3d\_neutral = 1460  
set 3d\_deadband\_throttle = 50  
set 3d\_limit\_low = 1000  
set 3d\_limit\_high = 2000  
set 3d\_switched\_mode = OFF  
set servo\_center\_pulse = 1500  
set servo\_pwm\_rate = 50  
set servo\_lowpass\_hz = 0  
set tri\_unarmed\_servo = ON  
set channel\_forwarding\_start = 4  
set reboot\_character = 82  
set serial\_update\_rate\_hz = 100  
set imu\_dcm\_kp = 2500  
set imu\_dcm\_ki = 0  
set small\_angle = 25  
set auto\_disarm\_delay = 5  
set gyro\_cal\_on\_first\_arm = OFF  
set gps\_provider = NMEA  
set gps\_sbas\_mode = NONE  
set gps\_sbas\_integrity = OFF  
set gps\_auto\_config = ON  
set gps\_auto\_baud = OFF  
set gps\_ublox\_use\_galileo = OFF  
set gps\_ublox\_mode = AIRBORNE  
set gps\_set\_home\_point\_once = OFF  
set gps\_use\_3d\_speed = OFF  
set gps\_rescue\_angle = 32  
set gps\_rescue\_initial\_alt = 50  
set gps\_rescue\_descent\_dist = 200  
set gps\_rescue\_landing\_alt = 5  
set gps\_rescue\_landing\_dist = 10  
set gps\_rescue\_ground\_speed = 2000  
set gps\_rescue\_throttle\_p = 150  
set gps\_rescue\_throttle\_i = 20  
set gps\_rescue\_throttle\_d = 50  
set gps\_rescue\_velocity\_p = 80  
set gps\_rescue\_velocity\_i = 20  
set gps\_rescue\_velocity\_d = 15  
set gps\_rescue\_yaw\_p = 40  
set gps\_rescue\_throttle\_min = 1100  
set gps\_rescue\_throttle\_max = 1600  
set gps\_rescue\_ascend\_rate = 500  
set gps\_rescue\_descend\_rate = 150  
set gps\_rescue\_throttle\_hover = 1280  
set gps\_rescue\_sanity\_checks = RESCUE\_SANITY\_ON  
set gps\_rescue\_min\_sats = 8  
set gps\_rescue\_min\_dth = 100  
set gps\_rescue\_allow\_arming\_without\_fix = OFF  
set gps\_rescue\_alt\_mode = MAX\_ALT  
set gps\_rescue\_use\_mag = ON  
set deadband = 0  
set yaw\_deadband = 0  
set yaw\_control\_reversed = OFF  
set pid\_process\_denom = 2  
set runaway\_takeoff\_prevention = ON  
set runaway\_takeoff\_deactivate\_delay = 500  
set runaway\_takeoff\_deactivate\_throttle\_percent = 20  
set thrust\_linear = 0  
set transient\_throttle\_limit = 0  
set tlm\_inverted = OFF  
set tlm\_halfduplex = ON  
set frsky\_default\_lat = 0  
set frsky\_default\_long = 0  
set frsky\_gps\_format = 0  
set frsky\_unit = IMPERIAL  
set frsky\_vfas\_precision = 0  
set hott\_alarm\_int = 5  
set pid\_in\_tlm = OFF  
set report\_cell\_voltage = OFF  
set ibus\_sensor = 1,2,3,0,0,0,0,0,0,0,0,0,0,0,0  
set mavlink\_mah\_as\_heading\_divisor = 0  
set telemetry\_disabled\_voltage = OFF  
set telemetry\_disabled\_current = OFF  
set telemetry\_disabled\_fuel = OFF  
set telemetry\_disabled\_mode = OFF  
set telemetry\_disabled\_acc\_x = OFF  
set telemetry\_disabled\_acc\_y = OFF  
set telemetry\_disabled\_acc\_z = OFF  
set telemetry\_disabled\_pitch = OFF  
set telemetry\_disabled\_roll = OFF  
set telemetry\_disabled\_heading = OFF  
set telemetry\_disabled\_altitude = OFF  
set telemetry\_disabled\_vario = OFF  
set telemetry\_disabled\_lat\_long = OFF  
set telemetry\_disabled\_ground\_speed = OFF  
set telemetry\_disabled\_distance = OFF  
set telemetry\_disabled\_esc\_current = ON  
set telemetry\_disabled\_esc\_voltage = ON  
set telemetry\_disabled\_esc\_rpm = ON  
set telemetry\_disabled\_esc\_temperature = ON  
set telemetry\_disabled\_temperature = OFF  
set ledstrip\_visual\_beeper = OFF  
set ledstrip\_visual\_beeper\_color = WHITE  
set ledstrip\_grb\_rgb = GRB  
set ledstrip\_profile = STATUS  
set ledstrip\_race\_color = ORANGE  
set ledstrip\_beacon\_color = WHITE  
set ledstrip\_beacon\_period\_ms = 500  
set ledstrip\_beacon\_percent = 50  
set ledstrip\_beacon\_armed\_only = OFF  
set sdcard\_detect\_inverted = OFF  
set sdcard\_mode = OFF  
set sdcard\_dma = OFF  
set sdcard\_spi\_bus = 0  
set sdio\_clk\_bypass = OFF  
set sdio\_use\_cache = OFF  
set sdio\_use\_4bit\_width = OFF  
set osd\_units = IMPERIAL  
set osd\_warn\_arming\_disable = ON  
set osd\_warn\_batt\_not\_full = OFF  
set osd\_warn\_batt\_warning = OFF  
set osd\_warn\_batt\_critical = ON  
set osd\_warn\_visual\_beeper = ON  
set osd\_warn\_crash\_flip = ON  
set osd\_warn\_esc\_fail = OFF  
set osd\_warn\_core\_temp = ON  
set osd\_warn\_rc\_smoothing = OFF  
set osd\_warn\_fail\_safe = ON  
set osd\_warn\_launch\_control = ON  
set osd\_warn\_no\_gps\_rescue = OFF  
set osd\_warn\_gps\_rescue\_disabled = OFF  
set osd\_warn\_rssi = OFF  
set osd\_warn\_link\_quality = OFF  
set osd\_warn\_over\_cap = OFF  
set osd\_rssi\_alarm = 20  
set osd\_link\_quality\_alarm = 80  
set osd\_rssi\_dbm\_alarm = -60  
set osd\_cap\_alarm = 2200  
set osd\_alt\_alarm = 100  
set osd\_distance\_alarm = 0  
set osd\_esc\_temp\_alarm = -128  
set osd\_esc\_rpm\_alarm = -1  
set osd\_esc\_current\_alarm = -1  
set osd\_core\_temp\_alarm = 70  
set osd\_ah\_max\_pit = 20  
set osd\_ah\_max\_rol = 40  
set osd\_ah\_invert = OFF  
set osd\_logo\_on\_arming = OFF  
set osd\_logo\_on\_arming\_duration = 5  
set osd\_tim1 = 2560  
set osd\_tim2 = 2561  
set osd\_vbat\_pos = 2400  
set osd\_rssi\_pos = 2490  
set osd\_link\_quality\_pos = 234  
set osd\_rssi\_dbm\_pos = 234  
set osd\_tim\_1\_pos = 234  
set osd\_tim\_2\_pos = 234  
set osd\_remaining\_time\_estimate\_pos = 234  
set osd\_flymode\_pos = 234  
set osd\_anti\_gravity\_pos = 234  
set osd\_g\_force\_pos = 234  
set osd\_throttle\_pos = 234  
set osd\_vtx\_channel\_pos = 234  
set osd\_crosshairs\_pos = 205  
set osd\_ah\_sbar\_pos = 206  
set osd\_ah\_pos = 78  
set osd\_current\_pos = 234  
set osd\_mah\_drawn\_pos = 2432  
set osd\_motor\_diag\_pos = 234  
set osd\_craft\_name\_pos = 2070  
set osd\_display\_name\_pos = 234  
set osd\_gps\_speed\_pos = 234  
set osd\_gps\_lon\_pos = 234  
set osd\_gps\_lat\_pos = 234  
set osd\_gps\_sats\_pos = 234  
set osd\_home\_dir\_pos = 234  
set osd\_home\_dist\_pos = 234  
set osd\_flight\_dist\_pos = 234  
set osd\_compass\_bar\_pos = 234  
set osd\_altitude\_pos = 234  
set osd\_pid\_roll\_pos = 234  
set osd\_pid\_pitch\_pos = 234  
set osd\_pid\_yaw\_pos = 234  
set osd\_debug\_pos = 234  
set osd\_power\_pos = 234  
set osd\_pidrate\_profile\_pos = 234  
set osd\_warnings\_pos = 14665  
set osd\_avg\_cell\_voltage\_pos = 2464  
set osd\_pit\_ang\_pos = 234  
set osd\_rol\_ang\_pos = 234  
set osd\_battery\_usage\_pos = 234  
set osd\_disarmed\_pos = 234  
set osd\_nheading\_pos = 234  
set osd\_nvario\_pos = 234  
set osd\_esc\_tmp\_pos = 234  
set osd\_esc\_rpm\_pos = 234  
set osd\_esc\_rpm\_freq\_pos = 234  
set osd\_rtc\_date\_time\_pos = 234  
set osd\_adjustment\_range\_pos = 234  
set osd\_flip\_arrow\_pos = 234  
set osd\_core\_temp\_pos = 234  
set osd\_log\_status\_pos = 234  
set osd\_stick\_overlay\_left\_pos = 234  
set osd\_stick\_overlay\_right\_pos = 234  
set osd\_stick\_overlay\_radio\_mode = 2  
set osd\_rate\_profile\_name\_pos = 234  
set osd\_pid\_profile\_name\_pos = 234  
set osd\_profile\_name\_pos = 234  
set osd\_rcchannels\_pos = 234  
set osd\_camera\_frame\_pos = 35  
set osd\_efficiency\_pos = 234  
set osd\_stat\_rtc\_date\_time = OFF  
set osd\_stat\_tim\_1 = OFF  
set osd\_stat\_tim\_2 = ON  
set osd\_stat\_max\_spd = ON  
set osd\_stat\_max\_dist = OFF  
set osd\_stat\_min\_batt = ON  
set osd\_stat\_endbatt = OFF  
set osd\_stat\_battery = OFF  
set osd\_stat\_min\_rssi = ON  
set osd\_stat\_max\_curr = ON  
set osd\_stat\_used\_mah = ON  
set osd\_stat\_max\_alt = OFF  
set osd\_stat\_bbox = ON  
set osd\_stat\_bb\_no = ON  
set osd\_stat\_max\_g\_force = OFF  
set osd\_stat\_max\_esc\_temp = OFF  
set osd\_stat\_max\_esc\_rpm = OFF  
set osd\_stat\_min\_link\_quality = OFF  
set osd\_stat\_flight\_dist = OFF  
set osd\_stat\_max\_fft = OFF  
set osd\_stat\_total\_flights = OFF  
set osd\_stat\_total\_time = OFF  
set osd\_stat\_total\_dist = OFF  
set osd\_stat\_min\_rssi\_dbm = OFF  
set osd\_profile = 1  
set osd\_profile\_1\_name = -  
set osd\_profile\_2\_name = -  
set osd\_profile\_3\_name = -  
set osd\_gps\_sats\_show\_hdop = OFF  
set osd\_displayport\_device = AUTO  
set osd\_rcchannels = -1,-1,-1,-1  
set osd\_camera\_frame\_width = 24  
set osd\_camera\_frame\_height = 11  
set system\_hse\_mhz = 8  
set task\_statistics = ON  
set debug\_mode = NONE  
set rate\_6pos\_switch = OFF  
set cpu\_overclock = OFF  
set pwr\_on\_arm\_grace = 5  
set scheduler\_optimize\_rate = AUTO  
set enable\_stick\_arming = OFF  
set vtx\_band = 0  
set vtx\_channel = 0  
set vtx\_power = 0  
set vtx\_low\_power\_disarm = OFF  
set vtx\_freq = 0  
set vtx\_pit\_mode\_freq = 0  
set vtx\_halfduplex = ON  
set vtx\_spi\_bus = 0  
set vcd\_video\_system = AUTO  
set vcd\_h\_offset = 0  
set vcd\_v\_offset = 0  
set max7456\_clock = DEFAULT  
set max7456\_spi\_bus = 3  
set max7456\_preinit\_opu = OFF  
set displayport\_msp\_col\_adjust = 0  
set displayport\_msp\_row\_adjust = 0  
set displayport\_msp\_serial = 0  
set displayport\_msp\_attrs = 0,0,0,0  
set displayport\_msp\_use\_device\_blink = OFF  
set displayport\_max7456\_col\_adjust = 0  
set displayport\_max7456\_row\_adjust = 0  
set displayport\_max7456\_inv = OFF  
set displayport\_max7456\_blk = 0  
set displayport\_max7456\_wht = 2  
set esc\_sensor\_halfduplex = OFF  
set esc\_sensor\_current\_offset = 0  
set frsky\_spi\_autobind = OFF  
set frsky\_spi\_tx\_id = 0,0  
set frsky\_spi\_offset = 0  
set frsky\_spi\_bind\_hop\_data = 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0  
set frsky\_x\_rx\_num = 0  
set frsky\_spi\_a1\_source = VBAT  
set cc2500\_spi\_chip\_detect = ON  
set led\_inversion = 0  
set dashboard\_i2c\_bus = 1  
set dashboard\_i2c\_addr = 60  
set camera\_control\_mode = HARDWARE\_PWM  
set camera\_control\_ref\_voltage = 330  
set camera\_control\_key\_delay = 180  
set camera\_control\_internal\_resistance = 470  
set camera\_control\_button\_resistance = 450,270,150,68,0  
set camera\_control\_inverted = OFF  
set rangefinder\_hardware = NONE  
set pinio\_config = 1,1,1,1  
set pinio\_box = 255,255,255,255  
set usb\_hid\_cdc = OFF  
set usb\_msc\_pin\_pullup = ON  
set flash\_spi\_bus = 2  
set rcdevice\_init\_dev\_attempts = 6  
set rcdevice\_init\_dev\_attempt\_interval = 1000  
set rcdevice\_protocol\_version = 0  
set rcdevice\_feature = 0  
set gyro\_1\_bustype = SPI  
set gyro\_1\_spibus = 1  
set gyro\_1\_i2cBus = 0  
set gyro\_1\_i2c\_address = 0  
set gyro\_1\_sensor\_align = CW0  
set gyro\_1\_align\_roll = 0  
set gyro\_1\_align\_pitch = 0  
set gyro\_1\_align\_yaw = 0  
set gyro\_2\_bustype = SPI  
set gyro\_2\_spibus = 0  
set gyro\_2\_i2cBus = 0  
set gyro\_2\_i2c\_address = 0  
set gyro\_2\_sensor\_align = CW0  
set gyro\_2\_align\_roll = 0  
set gyro\_2\_align\_pitch = 0  
set gyro\_2\_align\_yaw = 0  
set i2c1\_pullup = OFF  
set i2c1\_overclock = ON  
set i2c2\_pullup = OFF  
set i2c2\_overclock = ON  
set i2c3\_pullup = OFF  
set i2c3\_overclock = ON  
set mco2\_on\_pc9 = OFF  
set timezone\_offset\_minutes = 0  
set gyro\_rpm\_notch\_harmonics = 3  
set gyro\_rpm\_notch\_q = 500  
set gyro\_rpm\_notch\_min = 100  
set dterm\_rpm\_notch\_harmonics = 0  
set dterm\_rpm\_notch\_q = 500  
set dterm\_rpm\_notch\_min = 100  
set rpm\_notch\_lpf = 150  
set flysky\_spi\_tx\_id = 0  
set flysky\_spi\_rf\_channels = 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0  
set stats = OFF  
set stats\_total\_flights = 0  
set stats\_total\_time\_s = 0  
set stats\_total\_dist\_m = 0  
set name = Tigers.i  
set display\_name = -  
set position\_alt\_source = DEFAULT  
set box\_user\_1\_name = -  
set box\_user\_2\_name = -  
set box\_user\_3\_name = -  
set box\_user\_4\_name = -  
  
profile 0  
  
# profile 0  
set profile\_name = -  
set dyn\_lpf\_dterm\_min\_hz = 91  
set dyn\_lpf\_dterm\_max\_hz = 221  
set dyn\_lpf\_dterm\_curve\_expo = 5  
set dterm\_lowpass\_type = PT1  
set dterm\_lowpass\_hz = 150  
set dterm\_lowpass2\_type = PT1  
set dterm\_lowpass2\_hz = 195  
set dterm\_notch\_hz = 0  
set dterm\_notch\_cutoff = 0  
set vbat\_pid\_gain = OFF  
set vbat\_sag\_compensation = 0  
set pid\_at\_min\_throttle = ON  
set anti\_gravity\_mode = SMOOTH  
set anti\_gravity\_threshold = 250  
set anti\_gravity\_gain = 3500  
set feedforward\_transition = 0  
set acc\_limit\_yaw = 0  
set acc\_limit = 0  
set crash\_dthreshold = 50  
set crash\_gthreshold = 400  
set crash\_setpoint\_threshold = 350  
set crash\_time = 500  
set crash\_delay = 0  
set crash\_recovery\_angle = 10  
set crash\_recovery\_rate = 100  
set crash\_limit\_yaw = 200  
set crash\_recovery = OFF  
set iterm\_rotation = OFF  
set iterm\_relax = RP  
set iterm\_relax\_type = SETPOINT  
set iterm\_relax\_cutoff = 15  
set iterm\_windup = 100  
set iterm\_limit = 400  
set pidsum\_limit = 500  
set pidsum\_limit\_yaw = 400  
set yaw\_lowpass\_hz = 0  
set throttle\_boost = 5  
set throttle\_boost\_cutoff = 15  
set acro\_trainer\_angle\_limit = 20  
set acro\_trainer\_lookahead\_ms = 50  
set acro\_trainer\_debug\_axis = ROLL  
set acro\_trainer\_gain = 75  
set p\_pitch = 46  
set i\_pitch = 90  
set d\_pitch = 38  
set f\_pitch = 95  
set p\_roll = 42  
set i\_roll = 85  
set d\_roll = 35  
set f\_roll = 90  
set p\_yaw = 45  
set i\_yaw = 90  
set d\_yaw = 0  
set f\_yaw = 90  
set angle\_level\_strength = 50  
set horizon\_level\_strength = 50  
set horizon\_transition = 75  
set level\_limit = 55  
set horizon\_tilt\_effect = 75  
set horizon\_tilt\_expert\_mode = OFF  
set abs\_control\_gain = 0  
set abs\_control\_limit = 90  
set abs\_control\_error\_limit = 20  
set abs\_control\_cutoff = 11  
set use\_integrated\_yaw = OFF  
set integrated\_yaw\_relax = 200  
set d\_min\_roll = 23  
set d\_min\_pitch = 25  
set d\_min\_yaw = 0  
set d\_min\_boost\_gain = 37  
set d\_min\_advance = 20  
set motor\_output\_limit = 100  
set auto\_profile\_cell\_count = 0  
set launch\_control\_mode = NORMAL  
set launch\_trigger\_allow\_reset = ON  
set launch\_trigger\_throttle\_percent = 20  
set launch\_angle\_limit = 0  
set launch\_control\_gain = 40  
set ff\_interpolate\_sp = AVERAGED\_2  
set ff\_spike\_limit = 60  
set ff\_max\_rate\_limit = 100  
set ff\_smooth\_factor = 37  
set ff\_boost = 15  
set idle\_min\_rpm = 0  
set idle\_adjustment\_speed = 50  
set idle\_p = 50  
set idle\_pid\_limit = 200  
set idle\_max\_increase = 150  
set level\_race\_mode = OFF  
  
rateprofile 0  
  
# rateprofile 0  
set rateprofile\_name = -  
set thr\_mid = 50  
set thr\_expo = 0  
set rates\_type = BETAFLIGHT  
set roll\_rc\_rate = 125  
set pitch\_rc\_rate = 125  
set yaw\_rc\_rate = 160  
set roll\_expo = 10  
set pitch\_expo = 10  
set yaw\_expo = 15  
set roll\_srate = 72  
set pitch\_srate = 72  
set yaw\_srate = 30  
set tpa\_rate = 65  
set tpa\_breakpoint = 1350  
set tpa\_mode = D  
set throttle\_limit\_type = OFF  
set throttle\_limit\_percent = 100  
set roll\_rate\_limit = 1998  
set pitch\_rate\_limit = 1998  
set yaw\_rate\_limit = 1998  
  
# end the command batch  
batch end