

version
Betaflight / STM32F411 (S411) 4.0.4 Jun 30 2019 / 14:58:36 (f3a95efa3) MSP API: 1.41

start the command batch
batch start

board_name HGLRCF411
manufacturer_id HGLR

name
name Parrot120 Pro

resources
resource BEEPER 1 B02
resource MOTOR 1 B04
resource MOTOR 2 B05
resource MOTOR 3 B06
resource MOTOR 4 B07
resource MOTOR 5 B03
resource MOTOR 6 NONE
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 A03
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 A08
resource SERIAL_TX 1 A09

resource SERIAL_TX 2 A02
resource SERIAL_TX 3 NONE
resource SERIAL_TX 4 NONE
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 NONE
resource SERIAL_TX 12 NONE
resource SERIAL_RX 1 A10
resource SERIAL_RX 2 A03
resource SERIAL_RX 3 NONE
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 NONE
resource INVERTER 1 NONE
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 C13
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 NONE
resource SPI_MISO 1 A06
resource SPI_MISO 2 B14
resource SPI_MISO 3 NONE
resource SPI_MOSI 1 A07
resource SPI_MOSI 2 B15
resource SPI_MOSI 3 NONE
resource ESCSERIAL 1 NONE
resource CAMERA_CONTROL 1 B10
resource ADC_BATT 1 B00
resource ADC_RSSI 1 NONE
resource ADC_CURR 1 B01
resource ADC_EXT 1 NONE
resource BARO_CS 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 NONE
resource OSD_CS 1 B12
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 A01
resource GYRO_EXTI 2 NONE
resource GYRO_CS 1 A04
resource GYRO_CS 2 NONE
resource USB_DETECT 1 C15

```
# timer
timer A03 AF3
# pin A03: TIM9 CH2 (AF3)
timer B04 AF2
# pin B04: TIM3 CH1 (AF2)
timer B05 AF2
# pin B05: TIM3 CH2 (AF2)
timer B06 AF2
# pin B06: TIM4 CH1 (AF2)
timer B07 AF2
# pin B07: TIM4 CH2 (AF2)
timer B03 AF1
# pin B03: TIM2 CH2 (AF1)
timer A00 AF2
# pin A00: TIM5 CH1 (AF2)
timer A02 AF2
# pin A02: TIM5 CH3 (AF2)
timer A08 AF1
# pin A08: TIM1 CH1 (AF1)
```

```
# 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 0
# ADC 1: DMA2 Stream 0 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 A03 NONE
dma pin B04 0
pin B04: DMA1 Stream 4 Channel 5
dma pin B05 0
pin B05: DMA1 Stream 5 Channel 5
dma pin B06 0
pin B06: DMA1 Stream 0 Channel 2
dma pin B07 0
pin B07: DMA1 Stream 3 Channel 2
dma pin B03 0
pin B03: DMA1 Stream 6 Channel 3
dma pin A00 0
pin A00: DMA1 Stream 2 Channel 6
dma pin A02 0
pin A02: DMA1 Stream 0 Channel 6
dma pin A08 0
pin A08: DMA2 Stream 6 Channel 0

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 mix
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 -SOFTSPI
feature -ESC_SENSOR
feature -ANTI_GRAVITY
feature -DYNAMIC_FILTER
feature RX_SERIAL
feature TELEMETRY
feature OSD
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 AETR1234

serial
serial 20 1 115200 57600 0 115200
serial 0 8192 115200 57600 0 115200
serial 1 64 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 1725 2100 0 0
aux 1 13 2 1700 2100 0 0
aux 2 0 0 900 900 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

vtx

vtx 0 0 0 0 900 900
vtx 1 0 0 0 900 900
vtx 2 0 0 0 900 900
vtx 3 0 0 0 900 900
vtx 4 0 0 0 900 900
vtx 5 0 0 0 900 900
vtx 6 0 0 0 900 900
vtx 7 0 0 0 900 900
vtx 8 0 0 0 900 900
vtx 9 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

display_name
display_name -

master
set gyro_hardware_lpf = NORMAL
set gyro_sync_denom = 1
set gyro_lowpass_type = BIQUAD
set gyro_lowpass_hz = 150
set gyro_lowpass2_type = PT1
set gyro_lowpass2_hz = 150
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 = ON
set yaw_spin_threshold = 1950
set gyro_to_use = FIRST
set dyn_notch_range = AUTO
set dyn_notch_width_percent = 8
set dyn_notch_q = 120
set dyn_notch_min_hz = 150
set dyn_lpf_gyro_min_hz = 150
set dyn_lpf_gyro_max_hz = 450
set gyro_filter_debug_axis = ROLL
set acc_hardware = AUTO
set acc_lpf_hz = 10
set acc_trim_pitch = 0
set acc_trim_roll = 0
set acc_calibration = 0,0,0
set align_mag = DEFAULT
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 = SPI
set baro_spi_device = 0
set baro_i2c_device = 0
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 = 0
set rssi_src_frame_errors = OFF
set rssi_scale = 100
set rssi_offset = 0
set rssi_invert = OFF
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 = BIQUAD
set rc_smoothing_auto_smoothness = 10
set fpv_mix_degrees = 0
set max_aux_channels = 14
set serialrx_provider = SBUS
set serialrx_inverted = OFF
set spektrum_sat_bind = 0
set spektrum_sat_bind_autoreset = ON
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 = SERIAL
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 = OFF
set dshot_bidir = OFF
set use_unsynced_pwm = OFF
set motor_pwm_protocol = DSHOT600
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 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_lpf_period = 30
set ibat_lpf_period = 10
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 = OFF
set crashflip_motor_percent = 0
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 = 180
set auto_disarm_delay = 5
set gyro_cal_on_first_arm = OFF
set gps_provider = NMEA
set gps_sbas_mode = AUTO
set gps_auto_config = ON
set gps_auto_baud = OFF
set gps_ublox_use_galileo = OFF
set gps_set_home_point_once = OFF

```
set gps_rescue_angle = 32
set gps_rescue_initial_alt = 50
set gps_rescue_descent_dist = 200
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 = 1200
set gps_rescue_throttle_max = 1600
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_arwing_without_fix = OFF
set gps_rescue_use_mag = ON
set deadband = 0
set yaw_deadband = 0
set yaw_control_reversed = OFF
set pid_process_denom = 4
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 = 15
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 osd_units = METRIC
set osd_warn_arming_disable = ON
set osd_warn_batt_not_full = ON
set osd_warn_batt_warning = ON
set osd_warn_batt_critical = ON
set osd_warn_visual_beeper = ON
set osd_warn_crash_flip = ON
set osd_warn_esc_fail = ON
set osd_warn_core_temp = ON
set osd_warn_rc_smoothing = ON
set osd_warn_fail_safe = ON
set osd_warn_launch_control = ON
set osd_warn_no_gps_rescue = ON

set osd_warn_gps_rescue_disabled = ON
set osd_rssi_alarm = 20
set osd_cap_alarm = 2200
set osd_alt_alarm = 100
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_tim1 = 2560
set osd_tim2 = 2561
set osd_vbat_pos = 14722
set osd_rssi_pos = 234
set osd_link_quality_pos = 234
set osd_tim_1_pos = 406
set osd_tim_2_pos = 2454
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 = 2391
set osd_vtx_channel_pos = 14711
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 = 234
set osd_motor_diag_pos = 234
set osd_craft_name_pos = 2089
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 = 233
set osd_avg_cell_voltage_pos = 234
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_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

[illegible]

```
set camera_control_key_delay = 180
set camera_control_internal_resistance = 470
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 = 0
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 = CW180
set gyro_2_bustype = SPI
set gyro_2_spibus = 1
set gyro_2_i2cBus = 0
set gyro_2_i2c_address = 0
set gyro_2_sensor_align = DEFAULT
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 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
```

```
# profile
profile 0
```

```
set dyn_lpf_dterm_min_hz = 150
set dyn_lpf_dterm_max_hz = 250
set dterm_lowpass_type = BIQUAD
set dterm_lowpass_hz = 150
set dterm_lowpass2_type = PT1
set dterm_lowpass2_hz = 100
set dterm_notch_hz = 0
set dterm_notch_cutoff = 0
set vbat_pid_gain = OFF
set pid_at_min_throttle = ON
set anti_gravity_mode = SMOOTH
set anti_gravity_threshold = 250
set anti_gravity_gain = 5000
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 item_rotation = OFF
set smart_feedforward = OFF
set item_relax = RP
set item_relax_type = SETPOINT
set item_relax_cutoff = 20
set item_windup = 100
set item_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 = 22
set i_pitch = 58
```

```
set d_pitch = 20
set f_pitch = 75
set p_roll = 21
set i_roll = 47
set d_roll = 17
set f_roll = 70
set p_yaw = 31
set i_yaw = 66
set d_yaw = 0
set f_yaw = 0
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 = 0
set d_min_pitch = 0
set d_min_yaw = 0
set d_min_boost_gain = 27
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
```

```
# rateprofile
rateprofile 0
```

```
set thr_mid = 50
set thr_expo = 0
set rates_type = BETAFLIGHT
set roll_rc_rate = 100
set pitch_rc_rate = 100
```

```
set yaw_rc_rate = 100
set roll_expo = 0
set pitch_expo = 0
set yaw_expo = 0
set roll_srate = 70
set pitch_srate = 70
set yaw_srate = 70
set tpa_rate = 50
set tpa_breakpoint = 1500
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
```

```
#
```