



UART1 ENABLE  
5V Solder Jump no soldered

Betaflight - TX1 - support SRXL Spektrum  
iNAV - RX1 - no support b-SRXL

```
# Betaflight resource
resource MOTOR 1 C08
resource MOTOR 2 C09
resource MOTOR 3 NONE
resource MOTOR 4 NONE
resource MOTOR 5 NONE
resource MOTOR 6 NONE
resource MOTOR 7 NONE
resource MOTOR 8 NONE
resource SERVO 1 B05 - PITCH
resource SERVO 2 A03 - ROLL
resource SERVO 3 B01 - ROLL
resource SERVO 4 B00 - YAW
resource SERVO 5 NONE
resource SERVO 6 NONE
resource SERVO 7 NONE
resource SERVO 8 NONE
```

**ports F4V6**

S1 B00  
S2 B01  
S3 A03  
S4 B05  
S5 C09  
S6 C08

# iNAV - MOTOR MIX  
mmix 0 1.000 0.000 0.000 0.000

# iNAV SERVO MIX  
smix 0 2 1 100 0  
smix 1 3 0 100 0

iNAV resource  
B01: MOTOR2 OUT - S1  
A03: SERVO2 OUT - S3 PITCH  
B05: SERVO3 OUT - S4 ROLL

```
# Betaflight - MOTOR MIX
mixer CUSTOMAIRPLANE
mmix reset
mmix 0 1.0 0.0 0.0 0.0
mmix 1 1.0 0.0 0.0 -0.0
```

```
# Betaflight SERVO MIX
smix 0 3 0 100 0 0 100 0
smix 1 4 0 100 0 0 100 0
smix 2 2 1 100 0 0 100 0
smix 3 5 2 100 0 0 100 0
```

<b>input sources:</b>	<b>ID</b>
0 Stabilised ROLL	0 GIMBAL PITCH
1 Stabilised PITCH	1 GIMBAL ROLL
2 Stabilised YAW	2 ELEVATOR
3 Stabilised THROTTLE	3 FLAPPERON 1 (LEFT)
4 RC ROLL	4 FLAPPERON 2 (RIGHT)
5 RC PITCH	5 RUDDER
6 RC YAW7 RC THROTTLE	6 THROTTLE
8 RC AUX 1	
9 RC AUX 2	
10 RC AUX 3	
11 RC AUX 4	
12 GIMBAL PITCH	
13 GIMBAL ROLL	

Video Transmitter TRAMP HV (5.8GHZ)

**FC – OMNIBUS F4V6**

- TM32 F405, BARO: BMP280
- gyro/acc sensor: MPU6000
- BEC: 5V; 8V; 6 x PWM output

**FIRMWARE**

- BetaFlight 4.0.2
- iNAV 2.1.0
- RunCam Robin
- Video Transmitter TRAMP HV
- Video Receiver RC700D (diversity)
- GPS Modul NEO 6M or BN280
- SPEKTRUM Receiver 4649T
- SPEKTRUM Transmitter 8G2
- (ESC/BEC VOLANTEX EP30)
- (MOTOR 2627-1950kv)

```
# iNAV - aux (modes) – SPEKTRUM 8G2
aux 0 0 0 1000 1625 - ARM (SWITCH C2)
aux 3 9 0 1000 1250 - NAV POSHOLD (C3)
aux 7 10 1 1400 1600 - MANUAL (D2)
aux 1 2 1 1000 1250 - HORIZON (D3)
aux 2 3 2 1000 1600 - NAV ALTHOLD (E2)
aux 6 35 2 1000 1250 - NAV CRUISE (E3)
aux 8 15 3 1200 1300 - OSDOFF (KNOB)
aux 4 8 3 1400 1600 - RTH (KNOB)
aux 5 21 3 1750 2000 - HOMERESSET (KNOB)
C1 – DISARM
D1 – ACRO/AIR
E1 – NO
```

SPEKTRUM Receiver 4649T (2.4 GHz)

UART1 RX1 (TX1)

GPS modul BN280



u-blox NEO-6M

