



SPAN TOWER

F405 40A 5.8G

Manual

V1.0

Specifications:

- Model:SPAN F4 Tower
- Size: 36x36x14mm
- Mounting holes: 30.5mm
- Installation height:14mm
- MCU:STM32F405
- Use MPU6000 as Acc & gyro over SPI Bus
- Toal weight:21g(FC+ESC)
- Cont.Current:4*40A
- Firmware Version: OMNIBUSF4SD
- High precision CNC heat sink.
- On-Board LC Filter for clear video images
- Oneshot125/Oneshot42/Multishot modes, the latest
- Dshot 150/300/600
- Practical - Easy to access connectors
- Configurable - Choose to use connectors
- Professional - Symmetrical, Neat and Tidy and Easy to install in Most of Farne.
- Micro USB socket

Identifier	Configuration/MSP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	<input checked="" type="checkbox"/> 115200	<input type="checkbox"/>	Disabled AUTO	Disabled AUTO	Disabled AUTO
UART1	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled AUTO	Disabled AUTO	Disabled AUTO
UART3	<input type="checkbox"/> 115200	<input type="checkbox"/>	Disabled AUTO	Disabled AUTO	IRC Tramp AUTO
UART6	<input type="checkbox"/> 115200	<input checked="" type="checkbox"/>	Disabled AUTO	Disabled AUTO	Disabled AUTO

Amperage Meter

Battery 0.00 A 180 Scale [1/10th mV/A] 0 Offset [mV]

☒ TELEMETRY Telemetry output

☒ LED_STRIP Multi-color RGB LED strip support

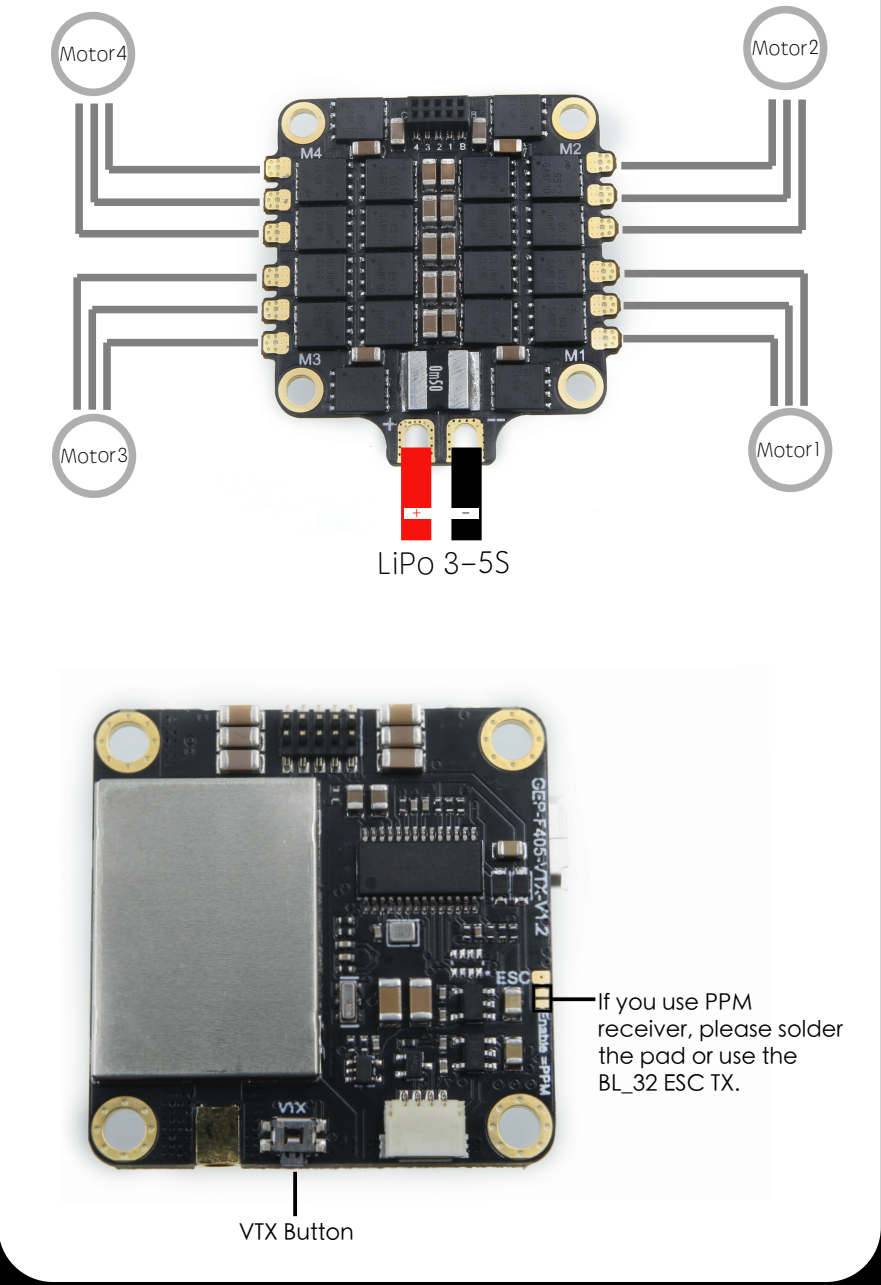
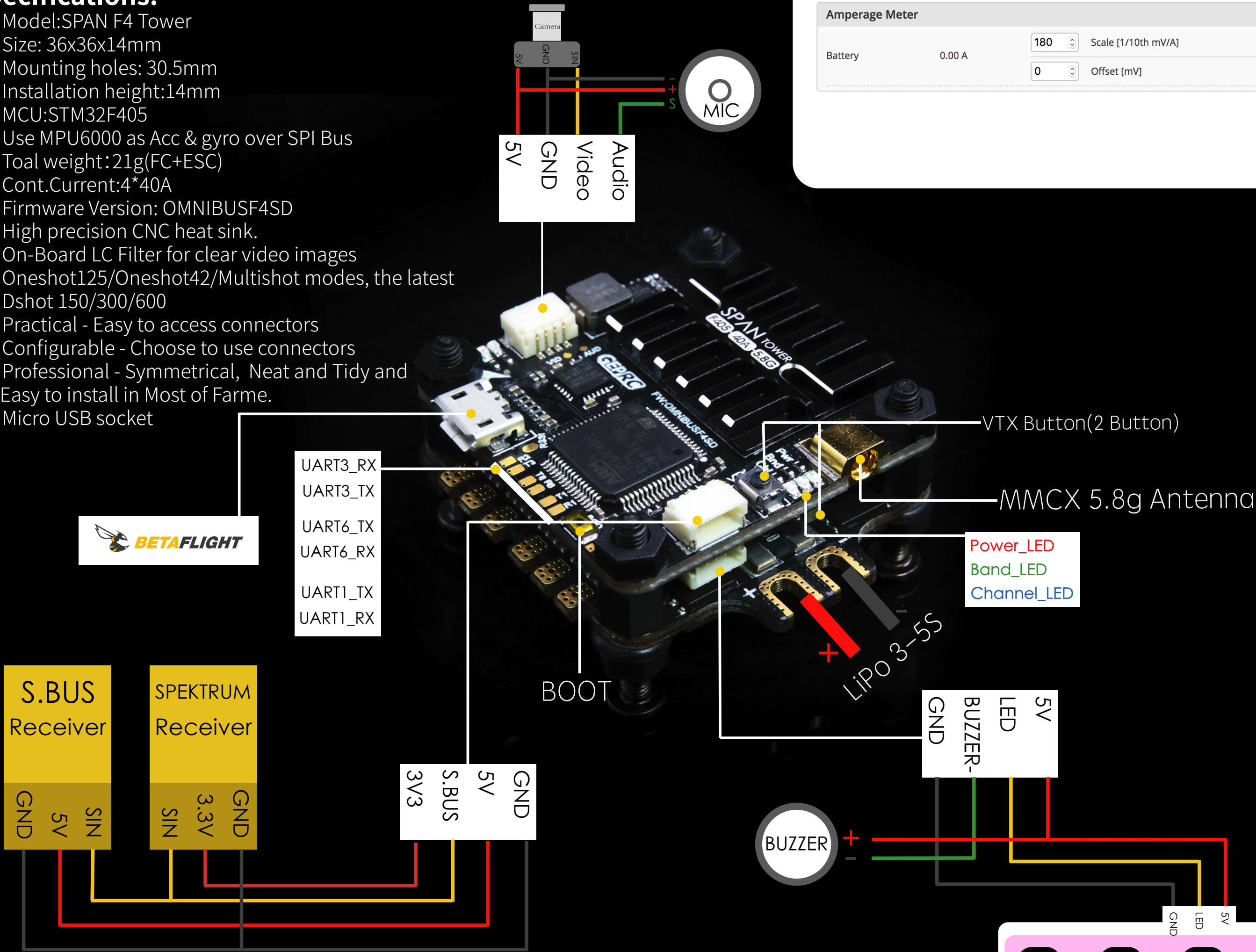
☐ DISPLAY OLED Screen Display

☐ CHANNEL_FORWARDING Forward aux channels to servo outputs

☐ TRANSPONDER Race Transponder

☐ AIRMODE Permanently enable Airmode

☒ OSD On Screen Display



Press and hold the key for 3 seconds

Set the Channel

BLUE: Frequency channel display, the time of flash represents 1 to 8 channels, 1 = CH1, 2 = CH2, ... 8 = CH8. (Short Press)

Press and hold the key for 3 seconds

Set the Band

GREEN: Frequency Band display, the number of flashes represents the frequency group from A to H, 1=A, 2=B.....6=H.(Short Press)

Press and hold the key for 3 seconds

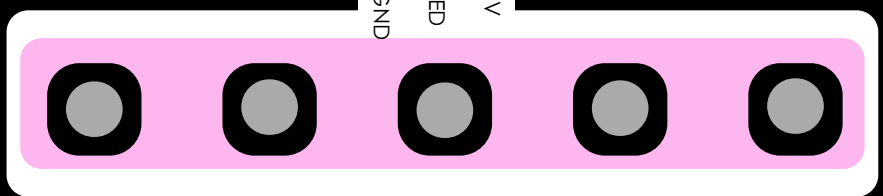
Set the Power

RED: Power output display, 1 = 25mW, 2 = 200mW, 3 = 600mW.(Short Press)

Note: Antennas must be installed before working.

	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
Band A	5865	5845	5825	5805	5785	5765	5745	5725
Band B	5733	5752	5771	5790	5809	5828	5847	5866
Band E	5705	5685	5665	5645	5885	5905	5925	5945
Band F	5740	5760	5780	5800	5820	5840	5860	5880
Band R	5658	5695	5732	5769	5806	5843	5880	5917
Band H	5362	5399	5436	5473	5510	5547	5584	5621

Frequency table



Betaflight-Configurator



Betaflight-Firmware OMNIBUSF4SD

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How to turn VTX on and off?
In the working state, quickly double-click the set button, RED / GREEN / BLUE sync flash, VTX can be turned off, and also quickly double-click of the key to open the VTX output.