

LT-FC4032 (contains two boards: 4032FC & PW-010)

4032FC flight controls features:

- the wiring has been optimized, which requires less soldering steps, thus making the assembling simple and quick when used in combination with PW-010.
- Support 3S-4S power input
- Integrated with STM32 F405 chip, compatible with Betaflight and Cleanflight (supports DHOTs150/300/600/1200) ESC with high operating speed, which achieves excellent flight experience. Moreover, it can generate powerful calculating ability and velocity, gives pilots easier, more stable and smooth flight experience.
- MPU 6000 6-axis gyroscope
- 280 barometer
- Supports receivers like SBUS PPM IBUS DSM2, etc.
- Easy and quick OSD configuring.
- Reserved soldering place for Buzzer and programmable LED light.
- Support SD slot
- Size:36*36MM(FC-4032) 48*36MM(PW-0010)
- Standard flight controller installation hole size: 30.5X30.5mm
- Firmware: Omnibus F4SD 3.2.2 (factory default)
- Integrated BEC 5V output: 5V/1.5A (max:2A)
- LED strip has already connected with A08 through short circuit in factory default setting, for future firmware upgrading, please distribute LED connector to A08 and Save. Otherwise LED strip will not work.
For example: resource LED_STRIP 1 A08 (distribute LED connector to A08 and Save)

VTX Manual:

- Feature: 4-level power (1, 2, 3, 4 flicker twice stands for 25mW, 200mW, 500mW, 800mW)
- Channel: 40CH (5 band, A,B,E,F,R)

Channel Band	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

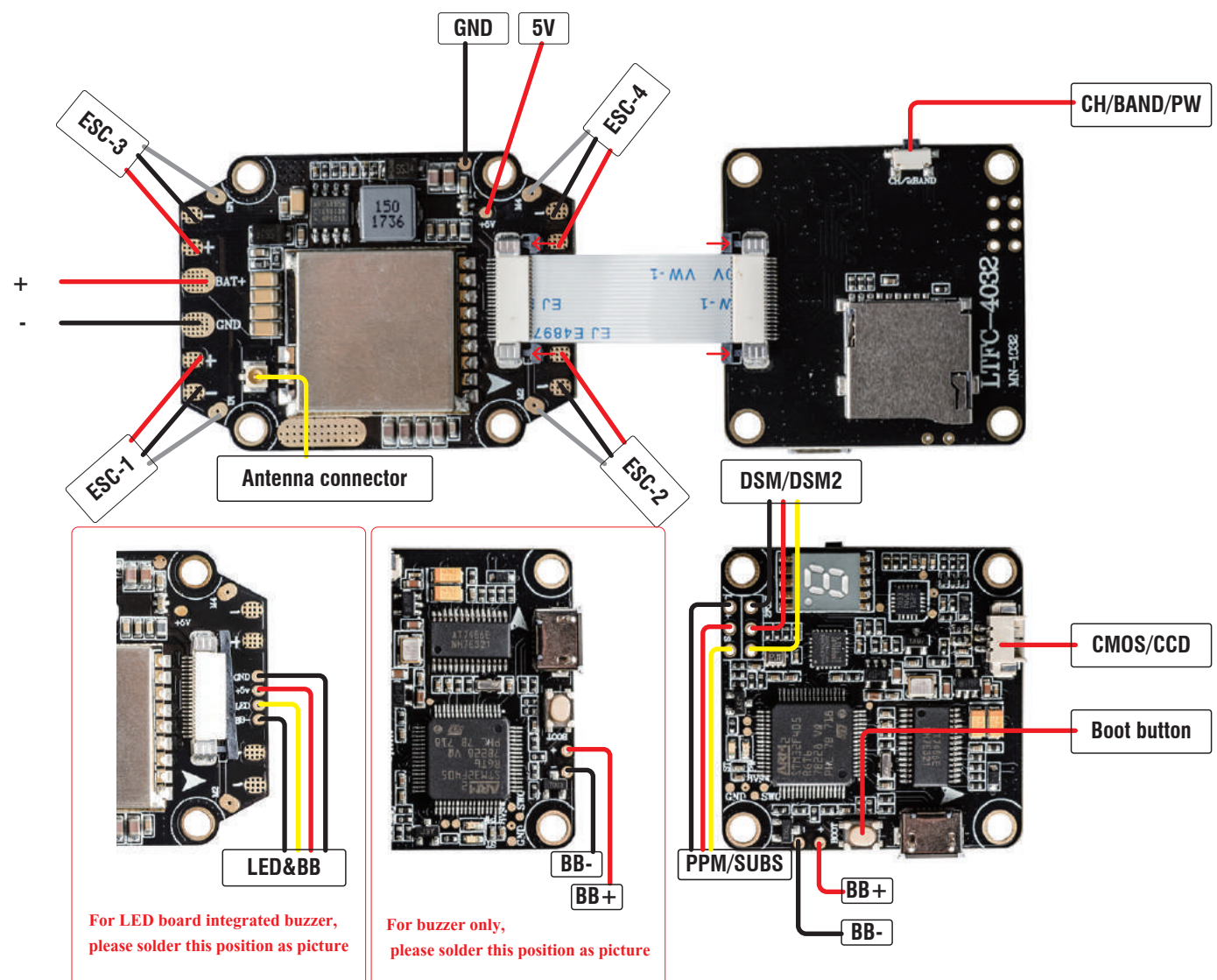
Band, CH, Power setting:

- The VTX can be configured by RC transmitter via smart audio, or you can change setting directly by button.
- Please turn on TBS smart audio on betaflight (preset TX3/UART3)

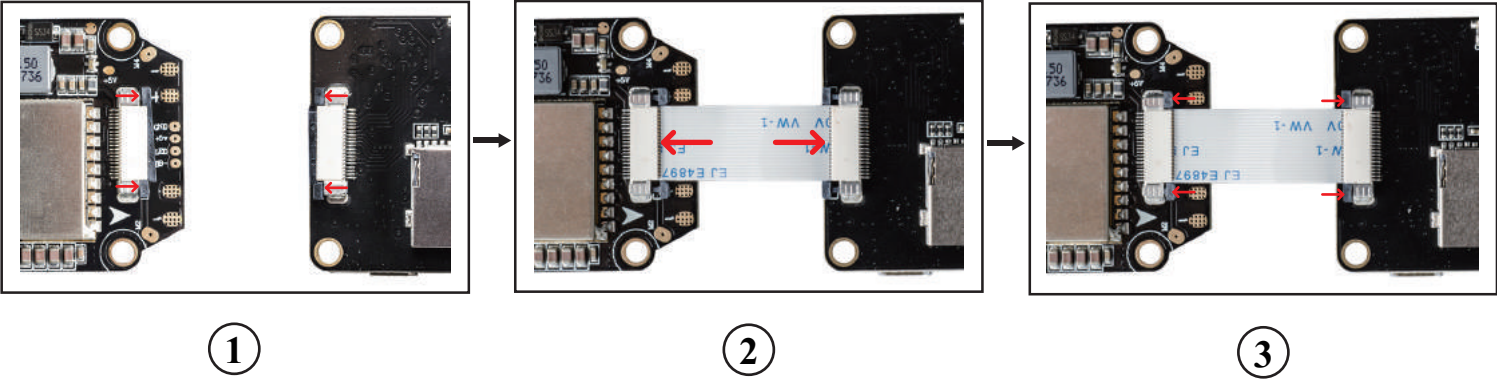
VTX Operation:

1. LED successively show band, channel, power, digit flicker twice stands for power
For example: LED show A-3-1(1 flicker twice), stands for Band A, CH3, 25mW
 2. If you have no access to smart audio, you can change setting directly by button. Short press button to change channel; press button 2s to change band; press button 4s to change power.
- Note: When VTX is in PIT Mode, LED will flicker “P”.

FC-4032 Diagram/PW-010 Diagram



Please gently push the FCC Connect, to avoid damage



Soldering Points

BAT+	GND	+	-	M1-M4
Power+	Power-	ESC+	ESC-	ESC signal

Notice:

- 1. Folding SMA pigtail may affect VTX transmitting power.
- 2. In order to protect FPC cable, please remove it before soldering power cable, ESC cable and LED cable.
- 3. Please make sure the LED cable and IPEX connector glued after soldering and plugging.
- 4. The product does not have current sensor, please do not turn on OSD current options.

Packing list

PW-010	FC-4032	FFC-20PIN	Power cable	Camera cable	Receiver signal cable	LED cable	Screw bag
1PC	1PC	2PCS	1PC	1PC	1PC	1PC	1SET