



FD MT VTX Manual

1. Product specifications

Model: FD MT VTX

Input voltage: DC 6-26V

Output voltage: 5V/2A

5V/PIT@70mA

5V/25mW@230mA/14dBm

5V/100mW@280mA/20dBm

5V/200mW@330mA/23dBm

5V/400mW@400mA/26dBm

5V/800mW@600mA/29dBm

Antenna interface: MMCX

Output power: PIT/25mW/100mW/200mW/600mW/800mW switchable

Frequency: 5.8GHz 6 bands, 48 channels

Size: 37mm x 36.5mm x 6mm

Weight: 7g

2. Function button settings

CH/FR button settings:

1. Click the button to switch channels, and the channel switches and cycles in the order of CH1, CH2, CH3...CH8 on the basis of the current channel;
2. Press and hold the button for over 2 seconds, and the band switches and cycles in the order of A→B→E→F→R→L on the basis of the current band;

Power:

1. Long press 5S to switch power;
2. Click the button to switch power. The power of this VTX is switched and cycled in the order of PIT→25→100→200→400→800.



3. Frequency sheet

FR \ CH		Channels (Indicator green)							
Band indicator (blue)	Band	1	2	3	4	5	6	7	8
		○○○	●○○	○●○	●●○	○○●	●○●	○●●	●●●
	A(●○○)	5865	5845	5825	5805	5785	5765	5745	5725
	B(○●○)	5733	5752	5771	5790	5809	5828	5847	5866
	E(●●○)	5705	5685	5665	5645	5885	5905	5925	5945
	F(○○●)	5740	5760	5780	5800	5820	5840	5860	5880
	R(●○●)	5658	5695	5732	5769	5806	5843	5880	5917
	L(●○●)	5362	5399	5436	5473	5510	5547	5584	5621

4. Power indicator status:

	25mW	100mW	200mW	400mW	800mW	PIT/Fault
Power Indicator	1 Flash Stop 3 Seconds	2 Flash Stop 3 Seconds	3 Flash Stop 3 Seconds	4 Flash Stop 3 Seconds	5 Flash Stop 3 Seconds	Always Light

5. Remotely adjust VTX transmission frequency and power through OSD interface

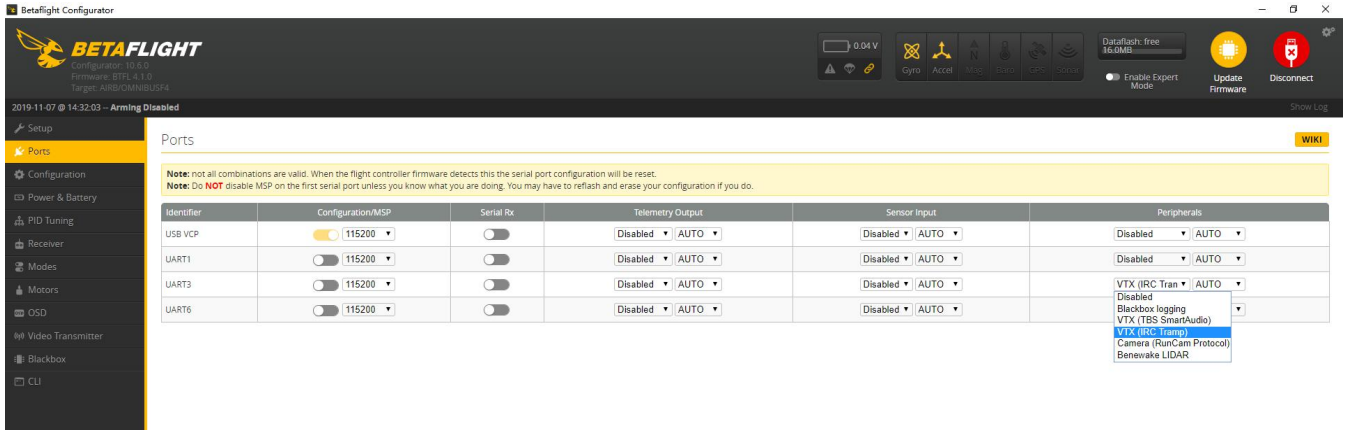
1. RX of VTX is connected to UART (TX) of the flight controller

2. Betaflight settings



6. Select port tab

1. Set "Peripherals" menu for the corresponding port as shown below.



7. OSD interface description

— MAIN —

- PROFILE >
- > FEATURES >
- SCR LAYOUT >
- ALARMS >
- FC-FWINFO >
- MISC >
- SAVE-REBOOT >
- EXT >

— FEATURES —

- BLACKBOX >
- VTX SA >
- > VTX TR >
- LED STRIP >
- BACK >

— TRAMP —

- * R1 5865 * 25 ← Equipment status
- PIT OFF ← PIT mode
- BAND RACE ← Band selection
- CHAN 1 ← Channel selection
- (FREQ) 5865 ← Frequency display
- POWER 25 ← Output power selection
- T(C) 45 ← Temperature display
- > SET > ← Confirmation after selections
- BACK

CONFIRM

- > YES >
- BACK



8. Notice

1. Make sure the antenna is already installed at output before powering up, to avoid damaging the internal components.
2. Please note that the input voltage is within the specified range and wiring is correct, to avoid damaging the internal components.
3. Under high-power work, the temperature of VTX surface is high. No touching to avoid burning your fingers.