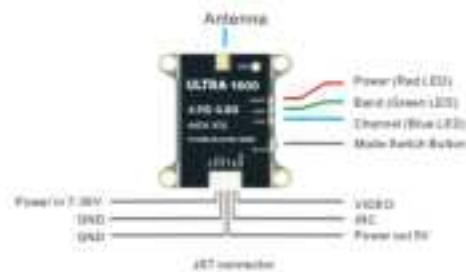
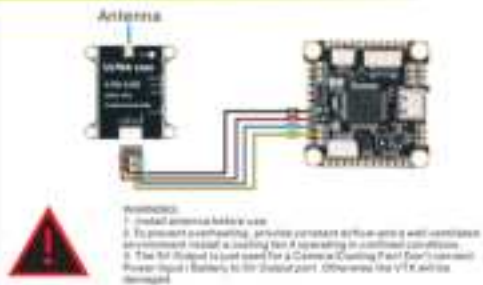


Instruction Diagram



JST Connection



Features

1. 1.6W super power, suitable for Long Range flight with good stability.
2. Six power levels: 250mW, 500mW, 1000mW, 1500mW, 1600mW, 1800mW.
3. Two-layer board cooling structure, separate power BNC and main board, reducing self-heating from the thermal interference.
4. Temperature control protection function that can prevent high temperature burning.
5. Wide voltage input, supports 7V-30V voltage input.
6. VTX control protocol is IRC. Supports OSD parameter adjustment.
7. VTX built-in microphone can hear the sound of the motor.
8. Has 3 regional frequency tables to meet the needs of various regions.
9. One function button, three indicator lights, easy to operate.
10. Blowing holes to 30.3mm x 22.5mm.

How to set

1. How to set Channel: Press and hold for 3 seconds to enter the Channel Selection. Blue light flashing. Short Press 1 second to change the Channel.

Channel	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
Band	250mW	500mW	1000mW	1500mW	1600mW	1800mW	250mW	500mW	1000mW

2. How to set Band: Press and hold for 3 seconds to enter the Band Selection. Green light flashing. Short Press 1 second to change the Band.

Band	Power 1	Power 2	Power 3	Power 4	Power 5	Power 6	Power 7	Power 8	Power 9
Band	250mW	500mW	1000mW	1500mW	1600mW	1800mW	250mW	500mW	1000mW

3. How to set Power: Press and hold for 3 seconds to enter the Power Selection. Red light flashing. Short Press 1 second to change the Power.

Power	1st	2nd	3rd	4th	5th	6th	7th	8th
Power	250mW	500mW	1000mW	1500mW	1600mW	1800mW	250mW	500mW

Frequency Table

Region	1st	2nd	3rd	4th	5th	6th	7th	8th
Region_A	2400	2400	2400	2400	2400	2400	2400	2400
Region_B	2400	2400	2400	2400	2400	2400	2400	2400
Region_C	2400	2400	2400	2400	2400	2400	2400	2400
Region_D	2400	2400	2400	2400	2400	2400	2400	2400
Region_E	2400	2400	2400	2400	2400	2400	2400	2400
Region_F	2400	2400	2400	2400	2400	2400	2400	2400
Region_G	2400	2400	2400	2400	2400	2400	2400	2400
Region_H	2400	2400	2400	2400	2400	2400	2400	2400
Region_I	2400	2400	2400	2400	2400	2400	2400	2400

Support IRC Tramp Protocol

ULTRA1600 VTX supports the IRC Tramp protocol and the modification of video transmission parameters through the remote control, including frequency, working power and so on.

NOTE: For Betaflight flight controller firmware version Betaflight 4.3.0, you need upload a VTX Table to the flight controller before using the remote control to modify the video transmission parameters correctly.

ULTRA1600_VTX_16W.json

For the use of the video transmission table, please refer to the article "How to Setup Betaflight VTX Table - Betaflight Tramp VTX Control" by Oscar Liang.