

Overview

B. Standby Mode

TX100 Nano has three working modes: A. Info Mode(Status Information Display Mode)

C. Setting Mode

Info Mode

The VTX directly enters into Info Mode after been powered up. It will go through below three procedures under this mode:

1. Displaying CHANNEL:

Blue LED flashes one time which means the channel number will be shown. Then Red LED will flash. Red LED flashes X times means the VTX is on channel X. The channel value can be 1-8.

2. Displaying BAND: Blue LED flashes two times which means the band number will be shown. Then Red LED will flash. Red LED flashes Y times means the VTX is on band Y. The band value can be 1-5.

3. Displaying POWER: Blue LED flashes three times which means the POWER will be shown. Then Red LED will flash. If Red LED flashes one time, the power is 25mW; If two times, 100mW.

After the above steps, the VTX will then enter into Standby Mode.

Standby Mode

TX100 NANO has three status under standby mode:

1. Lock Status:

Only Red LED is on. All the highlighted channels in the **BAND & Chanel Table** are not accessible under this status.

2. Unlock Status:

Both Red and Blue LED are on. Under this status, all channels in the BAND & Channel Table are accessible.

be OFF.

3. Lock-PIT Status:

Under lock status, if the switch PIT is ON, both Red and Blue LED will Switching between Lock and Unlock Status

By long-pressing the button for 10 seconds at any time, you can switch

between the two status. The VTX is in Lock Status by default.

Setting Mode Under Standby Mode, by long-pressing the button for 3 seconds, the

VTX will enter into Setting Mode. All procedures can go through as below: 1. CHANNEL Setting:

Blue LED flashes one time which means you can set the channel. Then Red LED will flash. Red LED flashes X times means the VTX is on channel X.

Short press the button to cycle to the next channel. The channel value can be 1-8. 2. BAND Setting: Long press the button for 3 seconds, Blue LED will flash two times which

means you can set the band. Then Red LED will flash. Red LED flashes Y times means the VTX is on band Y. Short press the button to cycle to the next band. The band value can be 1-8. 3. POWER Setting:

Long press the button for 3 seconds again, Blue LED will flash three times

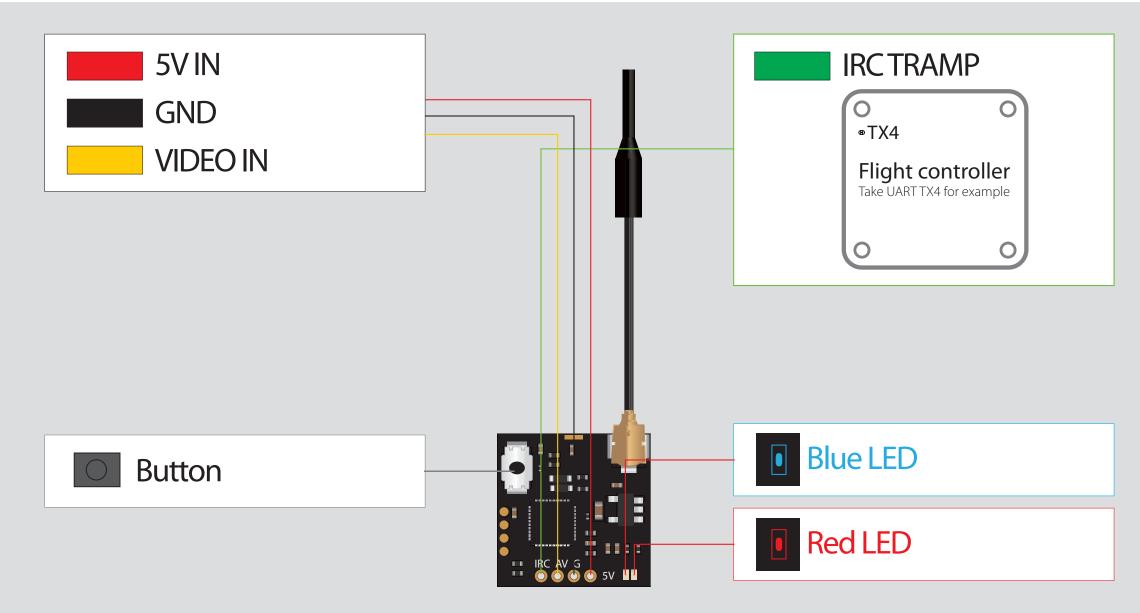
then stay in Standby Mode.

which means you can set the power. Then Red LED will flash. If Red LED flashes one time, it is under 25mW; If two times, 100mW. Short press the button to cycle to the next power option. Under any of the above procedures, you can save and exit the Setting Mode by long-pressing the button for 5 seconds, the VTX will immediately

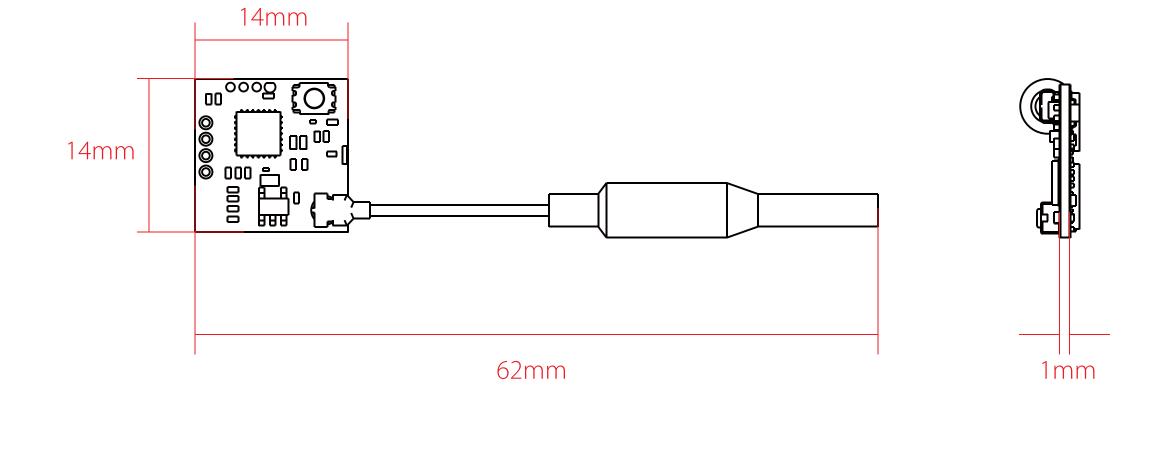
enter into Info Mode(displaying CHANNEL, BAND and POWER in turn) and

If no operation for 20 seconds under any of the above procedures, the VTX will exit Setting Mode directly without saving changes and enter back into Standby Mode.

Connection Diagram



Dimensions



1. Connect the IRC TRAMP pin on the VTX end to an available TX pad(eg. TX4) on the flight controller as

UART1

UART2

UART3

Edit Setting Values

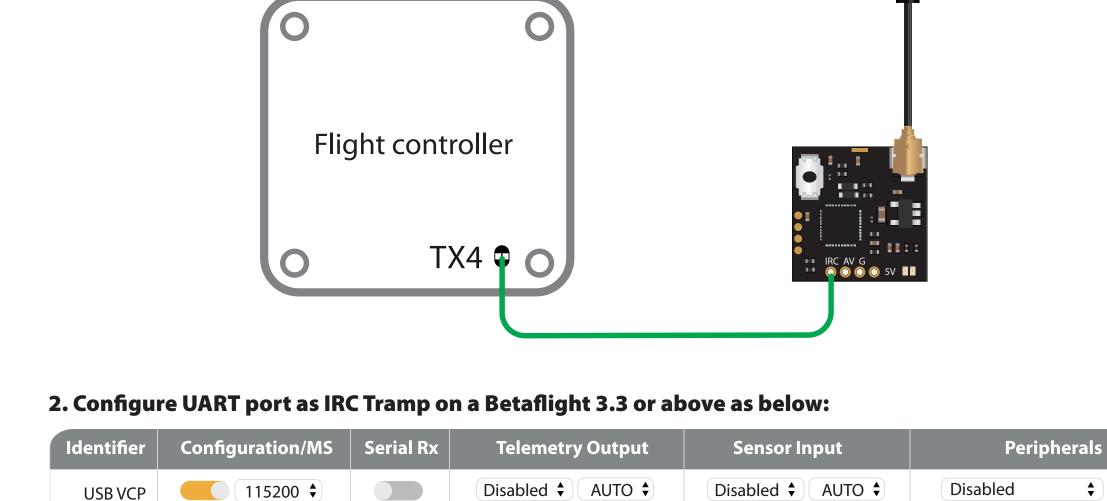
BAND & CHANNEL Table

Channel

UART Control

below:

TX100 NANO supports IRC Tramp protocol, the setting-up procedure is as below:



Disabled **\$**

Disabled \$ AUTO \$

Disabled \$ AUTO \$

115200 🛦 ΙΙΛΩΤΛ Disabled ALITO Disabled ALITO

115200 🛊

115200 \$

115200 🛊

UART4	115200 🕏		Disabled \$ AUTO \$	Disabled \$ AUTO \$	IRC Tramp	\$ AUTO \$			
UART5	115200 \$		Disabled \$ AUTO \$	Disabled \$ AUTO \$	Disabled	\$ AUTO \$			
Note: Take N	ur transmitter to do Mode-2 for example EATURES-VTXTR	o Remote	■ If you conne above), the VT	ct the VTX to the flight co X will be controlled by th be changed to F1 5740 a	e flight controlle	er and its			
2 Change Selection			give no more If you need	give no more reaction. If you need to get 100mW & all 37 channels unlocked, please long press the button on the VTX for 10 seconds till both Blue & Red LED					

are constantly on.

BFOSD 25mW

BFOSD 100mW BFOSD 200mW

BFOSD 400mW

BFOSD 600mW

CH5

CH6

AUTO \$

Disabled **†**

Disabled \$ AUTO \$

Disabled \$ AUTO \$

AUTO 🕏

Disabled

Disabled

Disabled

VTX 25mw VTX 100mw

VTX 100mw

VTX 100mw

VTX 100mw

CH7

CH8

\$ AUTO **\$**

♦ AUTO **♦**

♦ AUTO ♦

\$ AUTO \$

Note: When using the transmitter to do remote control, both Red and Blue LED will give no more reaction.

CH3

CH1

CH2

A(1)	5865	5845	5825	5805	5785	5765	5745	5725
B(2)	5733	5752	5771	5790	5809	5828	5847	5866
E(3)	5705	5685	5665		5885	5905		
Airwave(4)	5740	5760	5780	5800	5820	5840	5860	5880
Race BAND(5)	5658	5695	5732	5769	5806	5843	5880	5917

CH4

Model	RunCam TX100 Nano
Frequency Channel	5.8G 37CH
Output Power	25mW / 100mW
Working Current	5V@ 150~300mA
Voltage in	4.5-5.5V
Video Input Impedance	75 Ohm
Antenna	U.FL 5.8G 2dB Omni antenna
Weight	1.5g (with antenna)
PCB Size	14mm*14mm