FullSpeed Toothpick PRO FPV Racing Drone
Qucick set up manual

25mW-600mW VTX FPV Transmitter set up:

(please unlock the VTX if set up through OSD)

Channel	1	2	3	4	5	6	7	8
Band A	5865	5845	5825	5805	5785	5765	5745	5725
Band B	5733	5752	5771	5790	5809	5825	5847	5866
Band E	5705	5685	5665	5645	5885	5905	5925	5945
FS	5740	5760	5780	5800	5820	5840	5860	5880
Race Band	5658	5695	5732	5769	5806	5843	5880	5917
Low Race	5362	5399	5436	5473	5510	5547	5584	5621

Channel&Band LED Flash Code (Red for Channel & Blue for Band)

1	2	3	4	5	6	7	8
Band A	Band B	Band E	FS	R Band	L Band		

Power LED Flash Code (Green)

25MW	100MW	200MW	400MW	600MW	2LEDs flash at the same time on 600mw

Settings Quickstart

Red LED : Channel
Blue LED : Band
Green LED : Power

1. Press & hold the button for 5s to adjust Channel. Red LED will flash 3x & show the Channel. Short press for 1x to switch Channel.
2. Press & hold the button for 5s after step1 to adjust Band. Blue LED will flash 3x & show the Band. Short press for 1x to switch Band.
3. Press & hold the button for 5s after step2 to adjust Power. Green LED will flash 3x & show the Power. Short press for 1x to switch Power. (Only to unlock the transmitter so the power select mode can be accessible.)
4. Press & hold the button for 5s after setp3 to save setting. All LED will flash for 3x to show the Channel, Band & Power.

VIDEO
UART
GND
LIPO+
GND
5v OUT

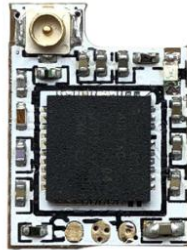Full Speed
FSD TX600 V1.0

fullspeedrc.com

Warning

Red area on frequency table is locked area! Please follow your local laws and regulations .

Long press for 20s to unlock or reset all set up .Please re-power after unlocking.

DSM receiver:

1. Connet the receiver to FC and run the BF.Choose the correct port and type of your receiver on the flight controller.

2. Type: set spektrum_sat_bind=9 in CLI then type ' save'.

3. Disconnect the power and repower. The light on the receiver will flash quickly which means

   it's on binding mode.

4. Turn on the radio and select bind mode. Wait a moment.It

     means bind successfully if the light on receiver keeps brighting.

5. After binding. Type: set spektrum_sat_bind=0 and type 'save' to quit the binding mode.

FRSKY receiver:

1. Select D8 mode on Frsky remote control. Hold the bind key on Frsky-Nano receiver and connect the battery, then the receiver's red light will be always on.

2. Select the BIND mode on remote control , the Frsky-Nano receiver's blue light will flash slowly and the red light will be always on which means bind complete.

3.Enter: set sbus_inversion = off (set serialrx_inverted = on if your F3 FC is BF3.3 or newer)on BF CLI and save.

4. Repower the Frsky-Nano receiver . The red light on it will flash very quickly which means it receives the singal from remote control.

The receiver defaults to the BUS protocol (The non-invert signal). When using F3 and F7 flight controller, it can be switched to SBUS protocol (The invert signal) by entering the command in BF CLI (step 3 of the binding tutorial). When using F4 flight controller (F4 flight controller does not support to switch signal type by entering command on CLI), if there isn't respond in BF receiver page when the receiver binding with remote controller successfully, please press the binding button to switch the signal protocol after the receiver power on. After short pressing the binding button, the red or blue light on receiver will flash 3 times. Blue light flashes 3 times means the receiver is on BUS protocol (original default setting), the red light flashes 3 times means the receiver is on SBUS protocol (which can be supported on most of F4 flight control).Please re-power the receiver afther switching the protocol then the red/blue light on receiver will flash 3 times to show the current protocal.

Binding

FLYSKY receiver:
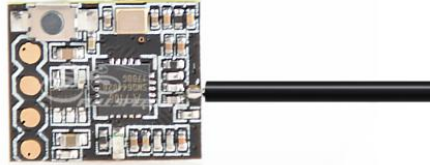
1. Press and hold the key on the receiver and connect the power to the receiver. The green indicator light on the receiver indicates that the frequency is entered.

2, the remote control into the frequency of the state; the frequency into the receiver status indicator from the rapid flash to slow flash.

3, the remote control manually out of the frequency interface, then the receiver green light becomes bright. Indicates that the signal receiver is successful.