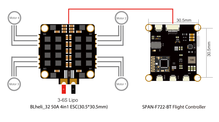
SPAN-F722-BT

Manual V1.0

SPECS:
F722 DUAL 8CM20MM Flight Controller
MCU: STM32F722RET6
IMU: ICM42688P(SPI)
Barometer: DPS310(SPI) Magnetometer (SensorHub API)
BlackBox: 16Mb onboard flash
Current sensor: Support up 47100A
Size: 30*30mm
BEC Output: 5V@3A
Weight: 5.5g(without wire)
Firmware target: EMFUT(DUAL
Mounting Hole: 30.5mm x 30mm with Grommets ø 3mm
Power Input: 3-6S LiPo
Pin Pitch: 2.54
Gy-Metal solderpoint

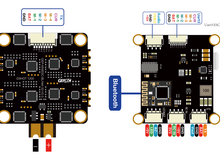
BLS DUAL 55A ESC 4IN1:
MCU: STM32F051R8T6(32bit 48MHz)
Continuous Current: 55A
Peak Current: 70A 10s
Current sensor: 450
Telemetry: Supported
Protocol: Supported DSHOT600, PWM, Multishot, OneShot
Firmware Version:GEPRC BLS 55A1
Input Voltage: 3-6S Lipo

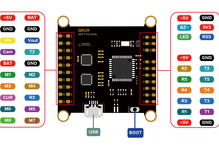
Instruction Diagram



3-6S Lipo
BLheli_32 50A 4in1 ESC(30.5*30.5mm)

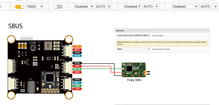
SPAN F722-BT Flight Controller

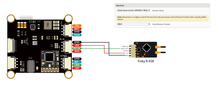




Receiver

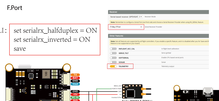
SBUS



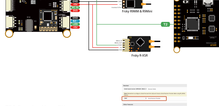


F.Port

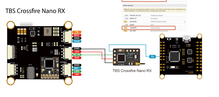
CLI: set serialrx_halfduplex = ON
set serialrx_inverted = ON
save



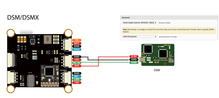
TBS Crossfire Nano RX



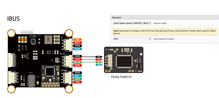
DSM/DSMX



IBUS



ESC



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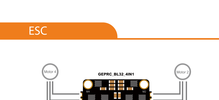
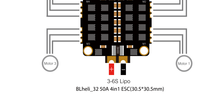
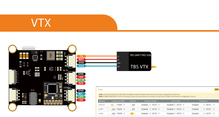
VTX

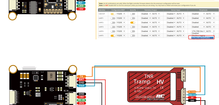




LED & Buzzer

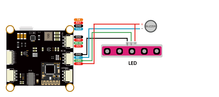


Camera



GPS & Compass

Attention!Because the compass function is not complete in BF firmware, please use it carefully. If you need to use the reliable compass function, please use INAV firmware.
INAV firmware:IFLIGHT77 TWING



Bluetooth

How to connect with APP?

1.Turn on the configuration /MSP feature of **UART5** and set the baud rate to **19200**.

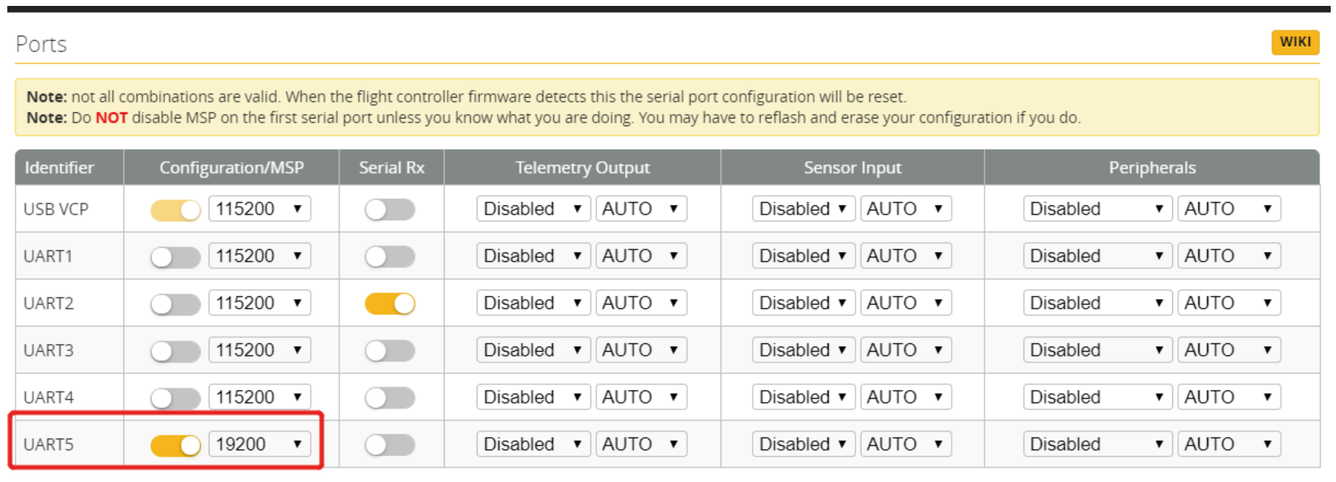
2.Enter the cli command: set pinio_config = 129,1,1,1
set pinio_box = 0,255,255,255
resource PINIO 1 C13
save

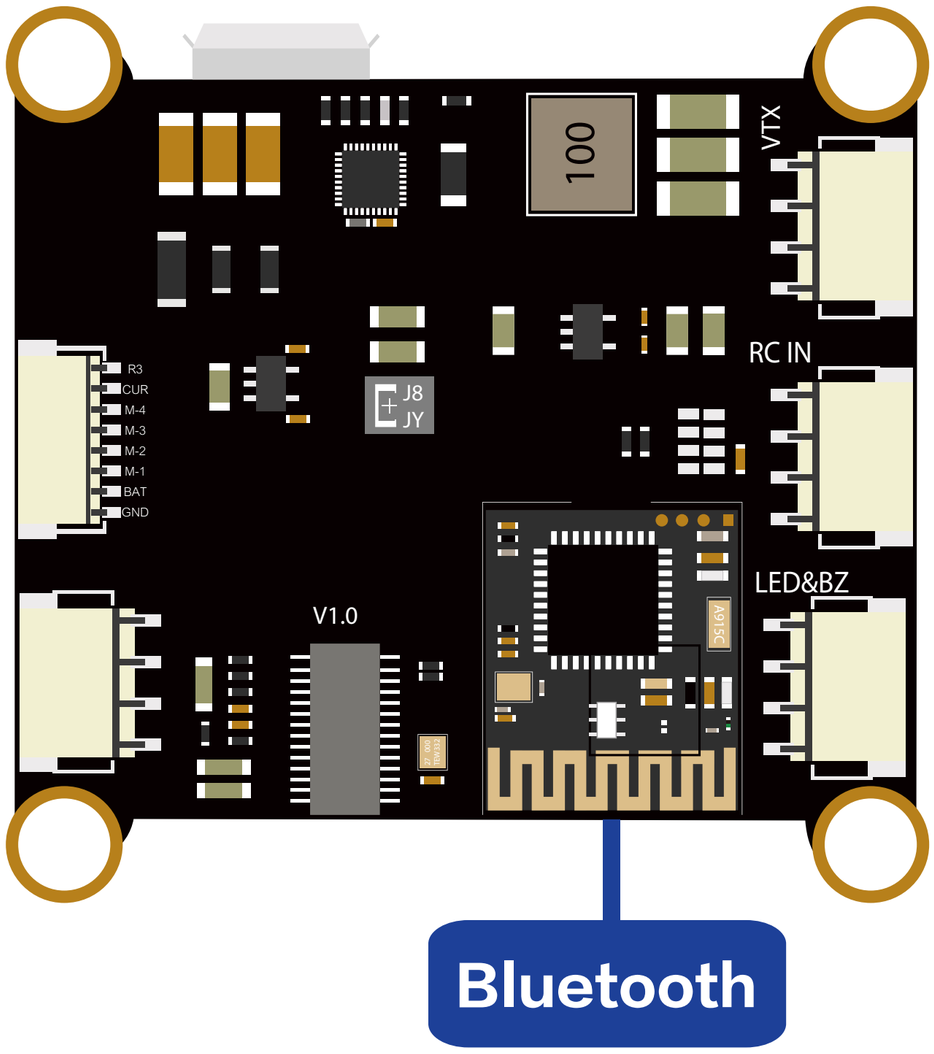
3.Power the Flight controller(3s~6s battery or c USB).

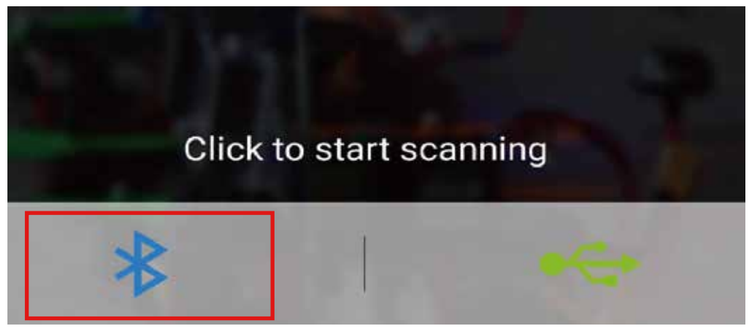
4.Open the Speedy Bee APP.

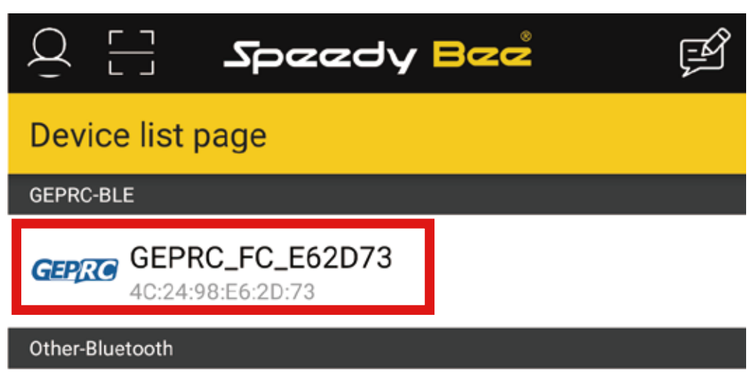
5.Click on the screen to searth for Bluetooth.

6.Select the **GEPRC** icon to connect.









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