



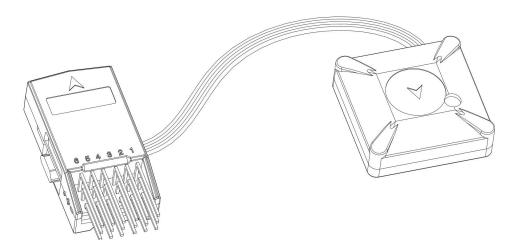
NZ32 Lite 6DOF & 10DOF Flight Controller

User Manual

Version 1.0-60120E

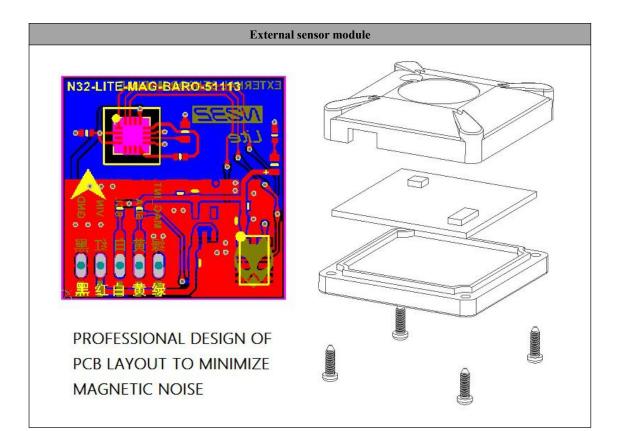
Thanks for purchasing our NZ32 Lite Flight Controller, This FC compatibility with BaseFilght and Cleanflight. 6DOF NZ32 is a very small-scale device with plastic casing make it well suited for small size FPV racing. 10DOF NZ32 is 6DOF FC connecting an external sensor module. We put magnetometer and barometer in the external modules to minimizes the noise level.

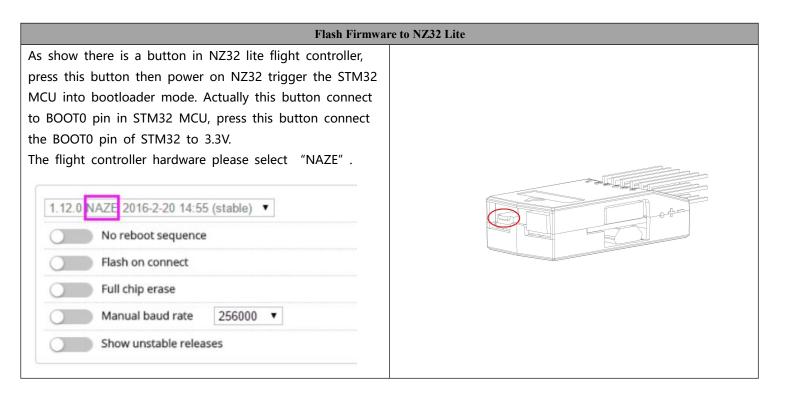
> https://github.com/multiwii/baseflight https://github.com/cleanflight/cleanflight



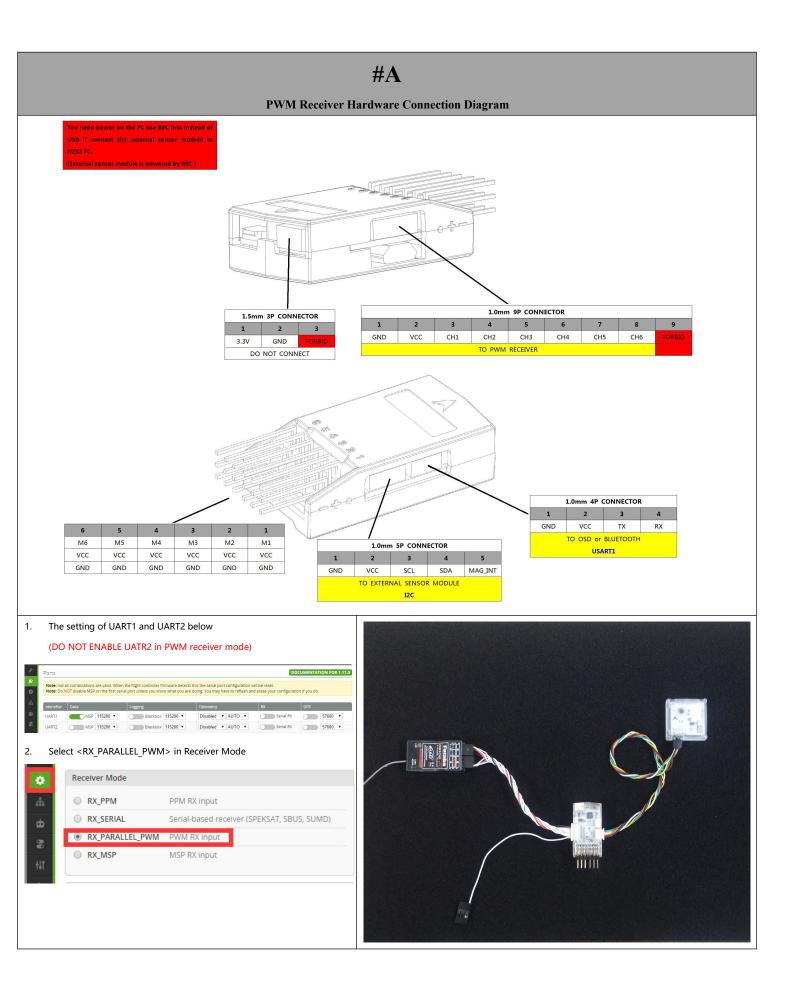


Hardware Parameters	Acceleration & Gyroscope	Magnetometer	Barometer
NZ32 Lite Flight Controller (6DOF) STM32F103CB (72Mhz Cortex-M3)	MPU6050 (6DOF)	×	×
External sensor module (4DOF) You need power on the FC use BEC first instead of USB if connect the external sensor module to NZ32 FC. (External sensor module is powered by BEC)	×	HMC5883L (3DOF)	MS5611 (1DOF)

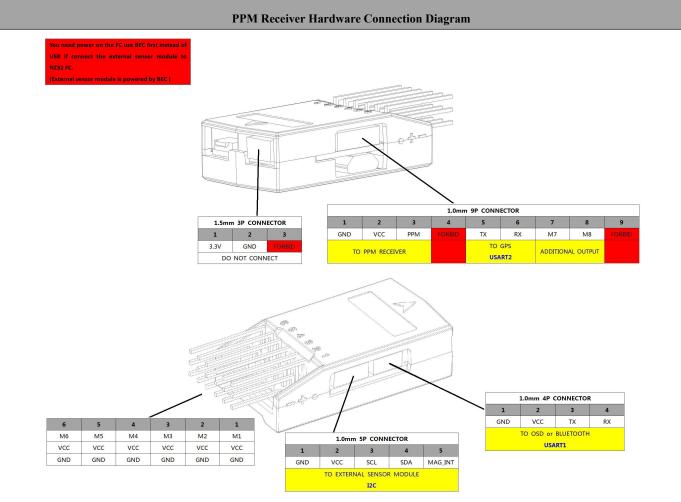




			NZ32 Lite	e Hardware	Connection	Preview			
Receiver Type	Receiver Input	Motor Output	OSD or BLUETOO TH	GPS Support	Sonar Support	Battery Monitoring	Softserial 1	Softserial 2	Diagram
PWM	6CH Max	6CH Max	√ (USART 1)	×	×	×	×	×	#A
РРМ	8CH	6CH+2CH Max	√ (USART 1)	√ (USART 2)	×	×	V	×	# B
S.BUS (USART 2)	8CH	6CH Max	√ (USART 1)	√ (Softserial 1)	×	×	V	×	#C
DSM Satellite (USART 2)	8CH	6CH Max	√ (USART 1)	√ (Softserial 1)	×	×	V	×	#D
						refer the inform Board%20-%20			



#B



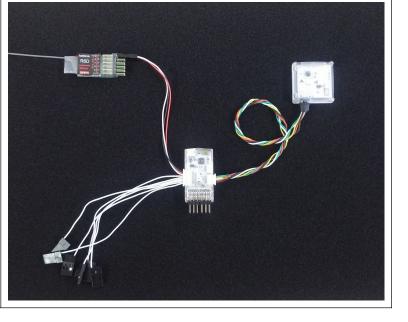
1. The setting of UART1 and UART2 below

(If you need connect GPS, please ENABLE UART2 and set right baud rate)



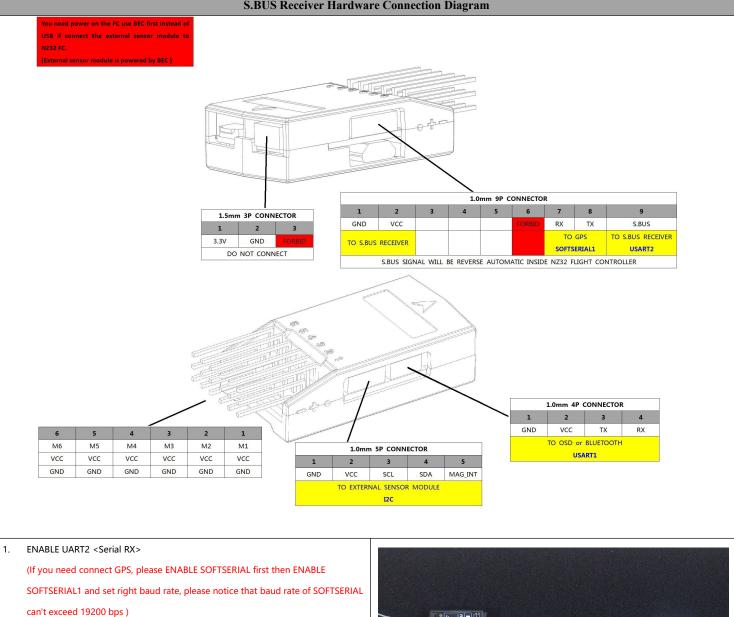
2. Select <RX_PPM> in Receiver Mode

R	eceiver Mode	
£. 🤇	RX_PPM	PPM RX input
b	RX_SERIAL	Serial-based receiver (SPEKSAT, SBUS, SUMD)
8	RX_PARALLEL_PWM	PWM RX input
Ht C	RX_MSP	MSP RX input



#C

S.BUS Receiver Hardware Connection Diagram

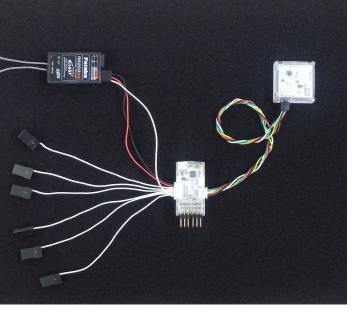


DOCUN TION FOR 1.11.0 Note MSP 115200 • 57600 · CON BA ibled • AUTO • ec.

2. Select <RX_SERIAL> in Receiver Mode

Select <SBUS> in Serial Receiver Provider





#D

