

90GT

使用手册

产品介绍

主体采用2mm增强碳纤维复合材料，重量轻，韧性强。
迷你小尺寸外观，适合室内与室外飞行。
采用全新的BLheli_S四合一电调，完美支持MULTISHOT, ONESHOT, DSHOT。
模块化设计，搭载Micro F3飞控，烧录最新Betaflight 3.0.1-SPRACINGF3程序，出厂默认开启陀螺仪更新频率和PID运算速率双4K。



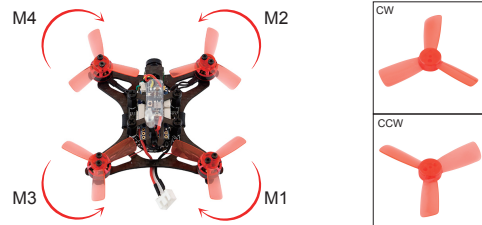
飞行器参数

轴距： 90mm
飞控系统： Micro F3 (betaflight)
无刷电机： KINGKONG 1103-7800KV
无刷电调： 4in1 BLheli_S 3A 2S AIO ESC (MULTISHOT, ONESHOT, DSHOT)
图传： 16CH / 25mW
摄像头： 800TVL / 150°
电池： 350mAh 35C 7.4V
重量： 42.9g (不含接收机和电池)

16CH 25mw mini VTX

	5658Mhz		5806Mhz		5705Mhz		5790Mhz
	5695Mhz		5843Mhz		5740Mhz		5820Mhz
	5732Mhz		5880Mhz		5760Mhz		5860Mhz
	5769Mhz		5917Mhz		5780Mhz		5945Mhz

电机顺序与旋转方向



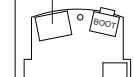
注意：
安装螺旋桨保护架的情况下电机固定螺丝为M2*5，
未安装保护架时固定螺丝为M2*3。



包装清单



Micro F3飞控说明

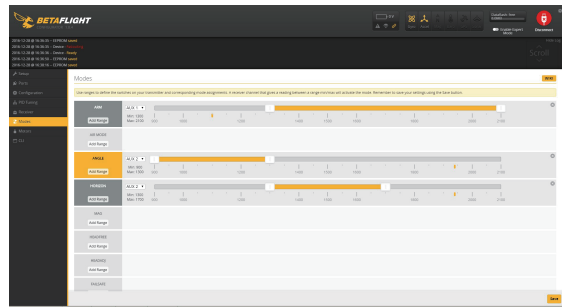
1	GND		USART2					
2	VCC		4	3	2	1		
3	CH1/PPM		RX	3.3V	VCC	GND		
4	CH2		连接 S.BUS/DSM 接收机					
5	CH3		6	5	4	3	2	1
6	CH4		M6	M5	M4	M3	M2	M1
7	CH5		VCC					
8	CH6		GND					
9	LED	To LED Strip						



扫码下载说明

固件刷写和开关通道说明

- 打开调参软件 然后点击 选择固件版本
SPRACINGF3
3.0.1-SPRACINGF3-18-10-2016 17:09(stabl)
No reboot sequence
Flash on connect
Full chip erase
Manual baud rate 256000
Show unstable releases
- 然后点击 下载固件到飞控，下载进度条完成后，点击 进入调参页面。
- 出厂默认设置对应遥控器的第五开关通道解锁（AUX1），第六开关通道为模式切换（AUX2）。



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INSTRUCTION MANUAL

Product overview

Drone frame use 2.0mm carbon fiber composite material, lightweight and strong.
Small size body apply to indoor and outdoor flying.
Use new BLheli_S AIO ESC, support MULTISHOT, ONESHOT, DSHOT.
FC and ESC use modular design (Micro F3 FC, Betaflight 3.0.1-SPRACINGF3 firmware).
The refresh rate of gyroscope and PID calculate at 4KHz.



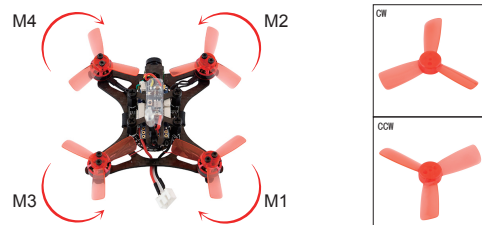
Configuration

Wheelbase: 90mm
FC: Micro F3 (betaflight)
Motor: KINGKONG 1103-7800KV
ESC: 4in1 BLheli_S 3A 2S AIO ESC (MULTISHOT, ONESHOT, DSHOT)
VTX: 16CH / 25mW
Camera: 800TVL / 150°
Battery: 350mAh 35C 7.4V
Weight: 42.9g (without receiver and battery)

16CH 25mw mini VTX

	5658Mhz		5806Mhz		5705Mhz		5790Mhz
	5695Mhz		5843Mhz		5740Mhz		5820Mhz
	5732Mhz		5880Mhz		5760Mhz		5860Mhz
	5769Mhz		5917Mhz		5780Mhz		5945Mhz

Motor mixer



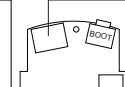
NOTICE:
Please use M2*5 screw when install propeller protection cover, use M2*3 screw without propeller protection cover.



Packing list



Micro F3 flight controller hardware connection

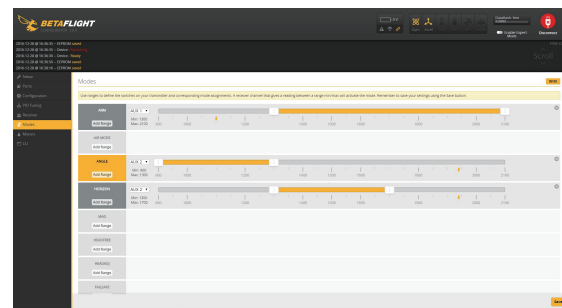
1	GND		USART2					
2	VCC		4	3	2	1		
3	CH1/PPM		RX	3.3V	VCC	GND		
4	CH2		To S.BUS/DSM Receiver					
5	CH3		6	5	4	3	2	1
6	CH4		M6	M5	M4	M3	M2	M1
7	CH5	VCC						
8	CH6	GND						
9	LED	To LED Strip						



Manual of FC

Firmware update

- Open betafight configurator then click select FW version
SPRACINGF3
3.0.1-SPRACINGF3-18-10-2016 17:09(stabl)
No reboot sequence
Flash on connect
Full chip erase
Manual baud rate 256000
Show unstable releases
- Cilck then click to download FW to FC, Click after FW updating finish into settings menu.
- Default setting of receiver is 5th channel ARM, 6th channel MODE switching.



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