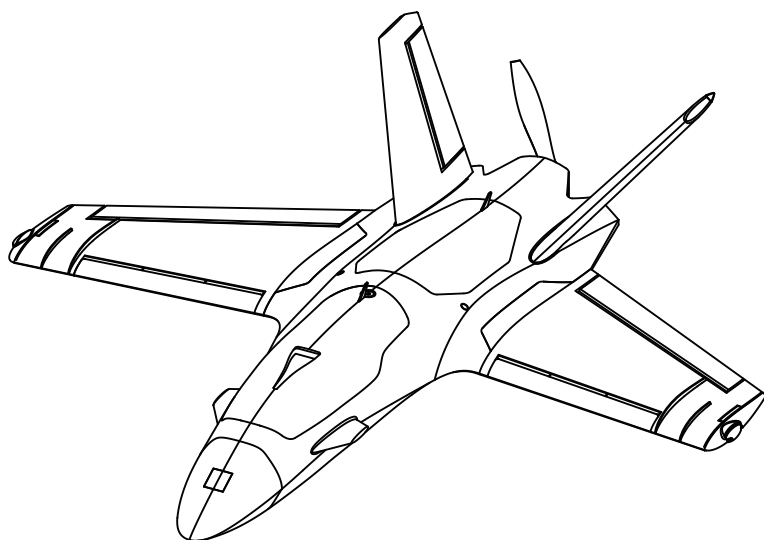




User Manual Dolphin Pro

海豚Pro



Introduction/简介

Dolphin Pro: A Medium-High Speed FPV Canard Carrier Redefining Flight

Dolphin Pro, optimized from a classic model, is a medium-high speed FPV canard carrier. It inherits excellent aerodynamics, combines low-speed flexibility with high-speed stability, bringing great flight experiences to enthusiasts.

Agile Maneuvering, Performance Upgrade

The added V-tail and original rudders form a four-rudder system, endowing the aircraft with strong super-maneuverability. It can easily perform complex moves, offering ultimate control pleasure.

Streamlined Shape, Endurance Breakthrough

The flattened and streamlined fuselage expands space for loading and reduces wind resistance. The well-tuned high lift-drag ratio greatly boosts endurance, challenging flight limits.

Ingenious Structure, Easy to Carry

Injection-molded parts solve common issues of traditional foam aircraft. The screw-freequick-release wing and detachable high-strength V-tail reduce the size, provide a stable structure for easy operation and assembly, balancing strength and portability.

Solid Core, Precise Flight

Reinforced carbon rods pre-embedded in wings and tail, combined with high-magnification foam, enhance torsional rigidity and load-bearing strength, ensuring precise flight control.

Personalized Views, High Compatibility

Three-color navigation lights improve visibility. The independent cabin and hidden wiring simplify installation and protect equipment. Dolphin Pro is highly compatible with most FPV gear, and its multi-camera design offers various flight views.

海豚 Pro：重塑飞行想象的中高速 FPV 前掠翼载机

海豚 Pro 基于经典机型优化，是一款中高速 FPV 前掠翼载机。它传承卓越气动布局，融合低速灵活性与高速稳定性，为飞友带来出色飞行体验。

灵动操控，性能升级

新增 V 尾与原舵面构成四舵面系统，赋予飞机强大超机动能力，轻松完成复杂动作，尽享操控乐趣。

流线造型，续航突破

扁平流线机身扩大内部空间，满足装载需求，同时降低风阻。精心调校的高升阻比大幅提升续航，挑战飞行极限。

匠心结构，便捷随行

采用注塑配件解决传统泡沫飞机问题。机翼免螺丝快拆，V 尾高强度且可拆卸，缩小体积，提供易操作装配的稳定结构，平衡强度与便携性。

坚固内核，精准飞行

机翼和尾翼预埋加强碳杆，搭配高倍率发泡材料，增强抗扭刚性与载重强度，确保精准飞行操控。

个性视角，多元兼容

三色航灯提高辨识度。独立舱室与隐藏布线简化装机，保护设备。海豚 Pro 兼容性强，适配多数 FPV 设备，多机位摄像头设计提供多样飞行视角。

Specifications/规格

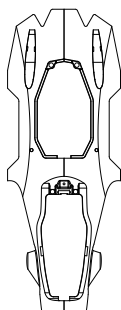
Dolphin Pro Specifications/海豚Pro规格	
Wingspan/翼展:	800mm
Length/长度:	826mm
WingArea/翼面积:	16.96 dm ²
Servo/舵机:	9g Servo*4PCS
Material/材料:	EPP
Recommend Motor/推荐电机:	2306~2807
Recommend ESC/推荐电调:	BLS 50A 2~6S
Recommend Propeller/推荐螺旋桨:	8x4E

Version Description/版本说明

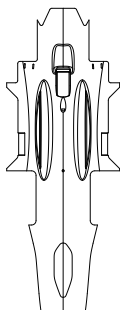
ATOMRC Dolphin Pro Fixed Wing				
	Version	KIT	PNP+S	RTH
	Description	Pre-glued Fixed WING	KIT+Motor +ESC+Servc	PNP+Pre- turned FC+GPS, all electronics are installec
Basic Pack	Pre-Build KIT	√	√	√
	Wood plate	√	√	√
	Screws and Nuts	√	√	√
	Sticker and user manual	√	√	√
	Quick Release Connector	√	√	√
	Flight Light	√	√	√
Motor	2807 1100kv		1pcs	1pcs
ESC	BLS 50A 6S ESC		1pcs	1pcs
Servo	SO9M 9g metal gearwheel		4pcs	4pcs
Prop	8x4E		2pcs	2pcs
FC	ATOMRC F405 NAVI-Delux			√
GPS	BE220			√
The specs will be slightly adjusted according to different actual specs are subject to the latest manual and real objects.				

ATOMRC 海豚Pro固定翼				
	版本	KIT	PNP+S	RTH
	版本描述	泡沫预组装好	泡沫预组装好, 电子配件组装好	泡沫预组装好, 电子配件组装好 飞控组装调试完成
基础配件	预组装的泡沫配件	√	√	√
	木片	√	√	√
	螺丝和螺母	√	√	√
	贴纸和用户手册	√	√	√
	快拆套件	√	√	√
	航灯	√	√	√
电机	2807 1100kv		1pcs	1pcs
电调	BLS 50A 6S ESC		1pcs	1pcs
舵机	SO9M 9g 金属舵机		4pcs	4pcs
螺旋桨	8x4E		2pcs	2pcs
飞控	ATOMRC F405 NAVI-Delux			√
GPS	BE220			√
实际配置参数根据不同的出货批次，会有细微调整。最新配置参数请留意ATOMRC官网，最终参数以实物为准				

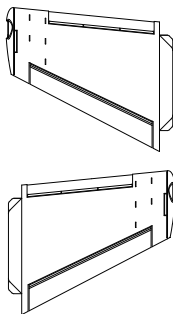
KIT Contents



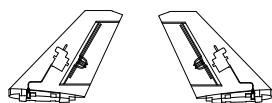
FCU:
Upper Fuselage/上机身



FCD:
Lower Fuselage/下机身



FEL/FER:
Wing/左右机翼



FGL/FGR:
V Tail/V尾



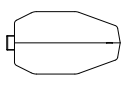
FAU/FAD/FBU/FBD/FHU/FHD:
Nose/机头



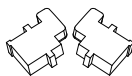
FD-A:
Front Hatch/电池舱盖



FD-B:
Front Hatch/电池舱盖



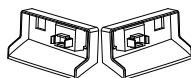
FF:
Bottom Hatch/设备舱盖



FJL/FJR:
Filling block/V尾舵机填充块



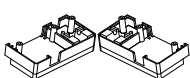
FI:
Cam Hatch/摄像头舱盖



PAL/PAR:
Body fastener/
左右机身扣件



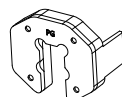
PBL/PBR:
Wing fastener cover/
左右机翼扣件盖



PCL/PCR:
Wing fastener base/
左右机翼扣件底壳



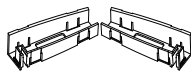
PD:
Locker/
锁扣



PG:
Motor mount/
电机底座



PEL/PER:
V Tail body fastener/
左右V尾机身扣件



PFL/PFR:
V Tail wing fastener/
左右V尾机翼扣件



PH:
Handle/
提手



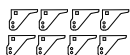
PG:
Motor base/
电机座



P1:
Flight light cover/
航灯盖



P2:
Camera mount/
摄像头支架



P3:
Control horn/
舵角



P4:
Camera mount/
高清摄像头支架



P5:
Wing fence/
翼刀

KIT、PNP、RTH Installation/安装指南

1

M2x12mmx1pcs

M2x10mmx1pcs

左V尾
Left V tail

M2x12mmx1pcs

M2x10mmx1pcs

右V尾
Right V tail

Install the tail wing servo
安装V尾舵机

舵机信号线在线槽外侧
The servo signal wire is on the outside of the cable duct.

2

M2x12mmx1pcs

M2x10mmx1pcs

M2x8mmx3pcs

Ø4mmx10mmx0.5mm

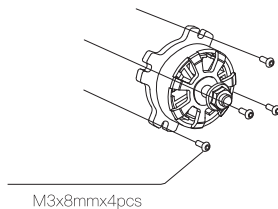
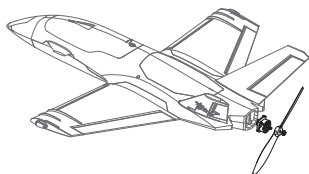
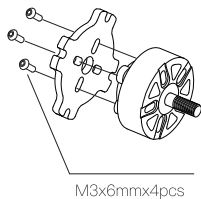
Install the wing servo,flight light,quick release board
安装左右机翼舵机、航灯、安装快接PCB板

3

Install the wing,install tail.
安装机翼， 安装V尾

KIT、PNP、RTH Installation/安装指南

4



Install the motor,propeller.
安装电机，安装螺旋桨

5



Install the INAV configurator then plug to PC
下载INAV地面站，安装接收机，连接地面站

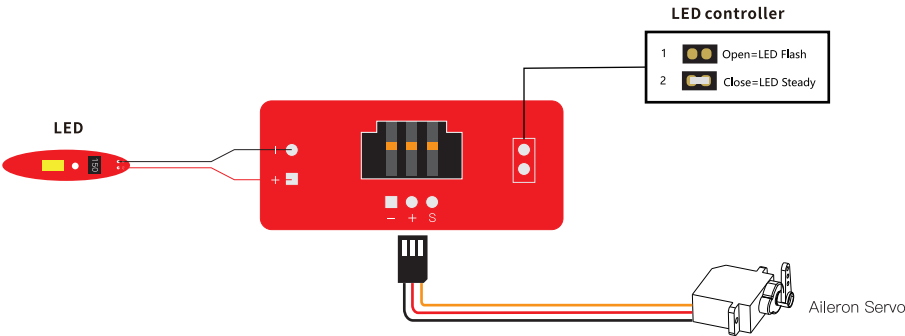
6



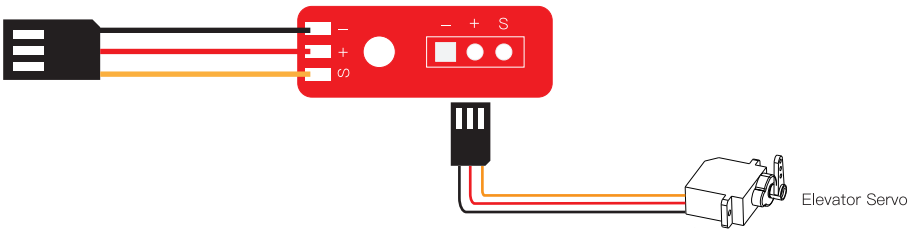
Latest cli settings, please go to download page of atomrc.com
make sure firmware version is matched with the cli settings,
reset the flight controller first, then load the cli settings.

最新CLI配置文件，请到官网下载
请先确认飞控固件版本与CLI一致后，先恢复默认，再导入CLI配置

Quick Release Connection / 快拆板接线说明

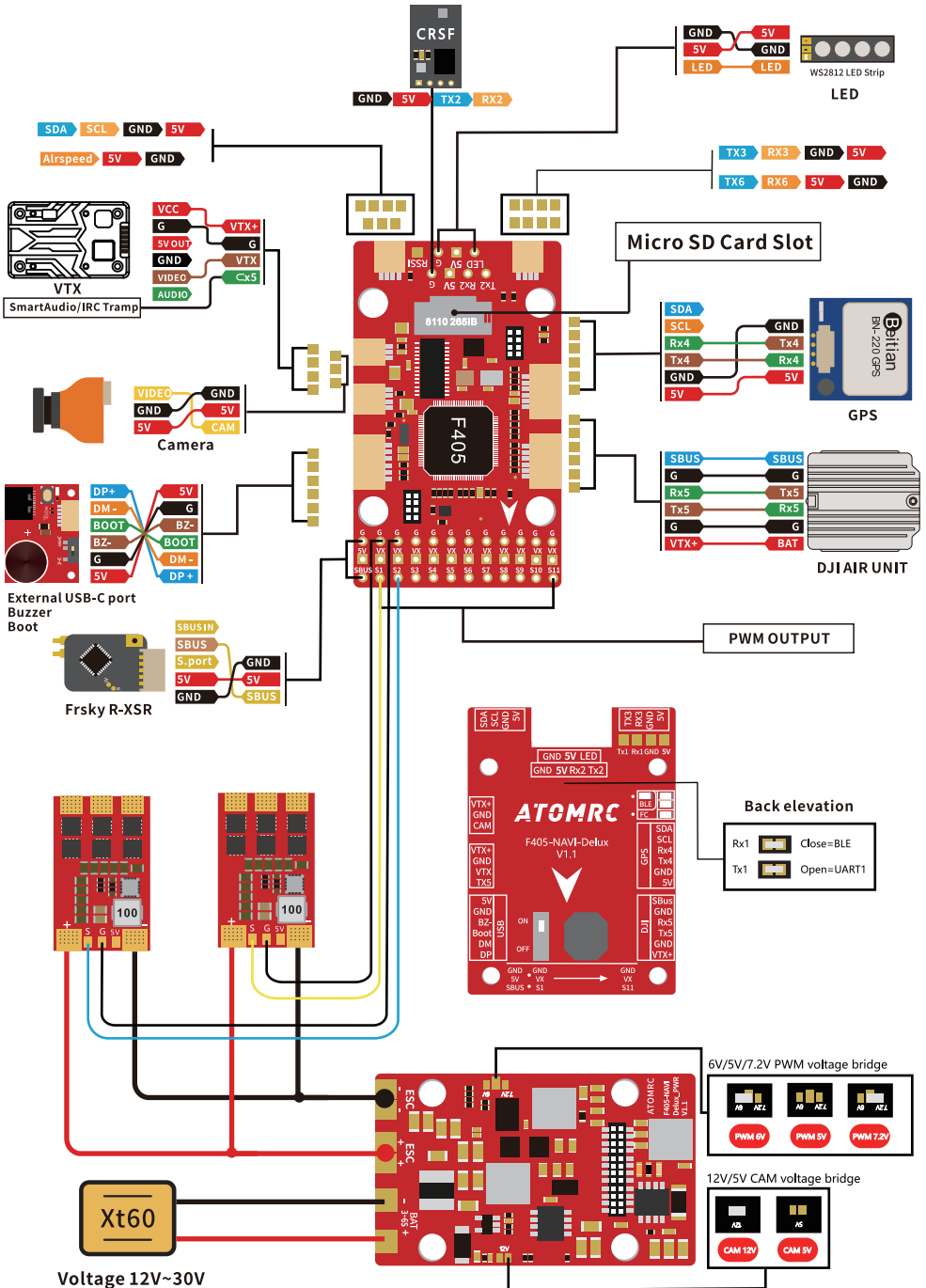


Connect the servo and LED to the quick release board
参考接线图，将机翼舵机和航灯的线接到快拆板上



Connect the V tail servo to the quick release board
参考接线图，将尾翼舵机的线接到快拆板上

ATOMRC F405 NAVI Delux/飞控说明



ESC Information/电调说明

Throttle calibration /电调油门校准

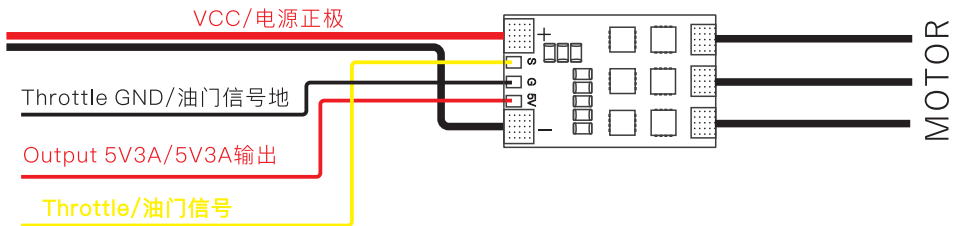
1.The ESC included with the model has a safe start.If the motor battery is connected to the ESC and the throttle stick is not in the low throttle or off position,the motor will not start untill the throttle stick is moved to the low throttle or off position.

2.Power on the ESC(The ESC must connect to the motor and Receiver). The motor will emit a series of beeps, after the beeps, set the the throttle stick the the minimum, the motor will emit a series beep again. now the ESC calibration is done.

1.电调具有安全启动保护功能，当电机、电池连接电调后，电调信号未处于最低位置，电调油门输出不会启动。

2.电调油门校准：请先拆卸螺旋桨，将油门摇杆移动到最高位置后通电，当哔哔声结束后，迅速将油门摇杆移动到最低位置，哔哔声音结束，油门校准成功。

ATOMRC Exceed BLS 50A 5VBEC ESC Wiring Diagram



Voltage input/电压输入范围: 2~6S Lipo

Max Current/最大电流: 50A

Output/输出: Built in 5V 3A BEC/内置5V 3A BEC

Size/尺寸: 32*20mm



Please download the latest user manual at www.atomrc.com