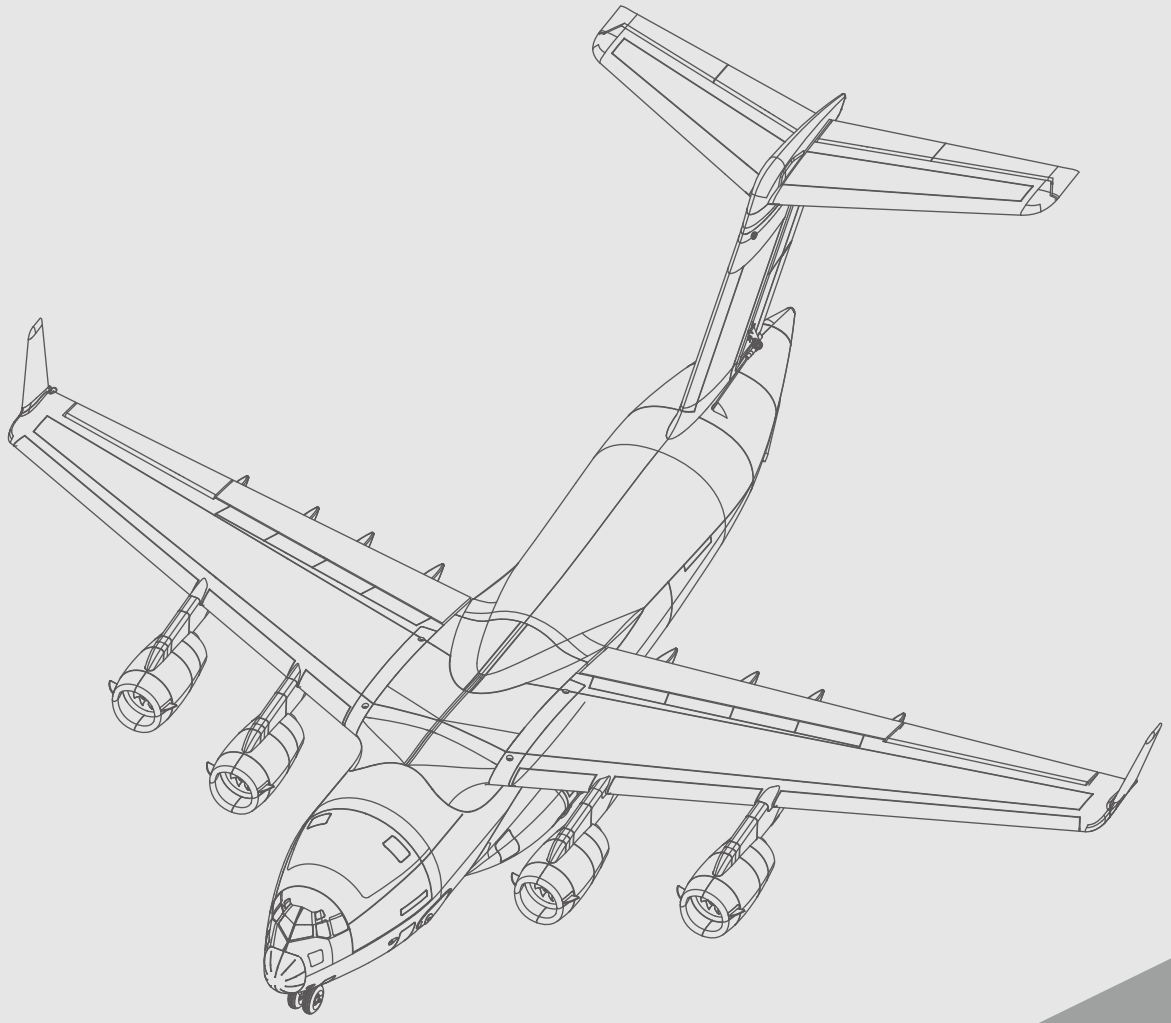


XFLY-MODEL

C-17 QUAD 40MM EDF

Overall Length: 1150mm/45in
Wingspan: 1200mm/47"

操作手册
Instruction Manual
http://www.xfly-model.com/

Must-read

Warnings

Please read through the whole user manual carefully and follow the instructions strictly for product installation and operation. Improper operation may lead to product damage or property loss or even severe personal injury. Xfly-model and its distributors will not assume responsibility if damage or loss is caused by violating the instructions listed.

Caution

This product is Not a toy! Flying experience is required by users. Beginners should only operate the product under the supervision of professionals.
This product is not intended for use by children under 14 years!

Safety Precautions

This product is radio-controlled and subject to interference from other signal sources which may result in momentary loss of control or even crash. So please always keep a safe distance in all directions around your model in order to avoid unexpected collision or injury.

—NEVER operate your model with low transmitter batteries.

—Always operate your model in an open area with the sun behind you away from cars, traffic or people.

—Do not operate your model in bad weather such as wet weather, thunderstorm, strong wind or heavy snow.

—Always follow the instructions and pay attention to the warnings for this product and other associated devices you use (charger, rechargeable battery pack, etc.)

—Always keep all chemicals, small parts and electronic components out of reach of children.

—Do not expose the electronic components to moist environment in case of damage.

—This model kit contains small parts, plastic bags, and materials that can be harmful to children if swallowed.

—ALWAYS ensure the transmitter is turned ON with the throttle at its lowest setting before connecting model battery.

Lithium-Polymer (Li-Po) Battery Use

Caution: Always follow the manufacturer's instructions for safe use and disposal of batteries. Improper use of Li-Po batteries may cause a fire, property damage, or severe injury.

—Do not use the battery that is swollen, or overcharged, or has been damaged.Keep in mind to discharge the battery to storage voltage(3.8-3.85V per cell) if they are not in use for a long time and as soon as possible after use for safe storage. Always store the battery at room temperature in a cool dry area to extend the lifespan of the battery. Do not store the battery in a car or expose it to direct sunlight.For maximum safety Xfly-Model recommends storing Li-Po batteries in a proper battery bunker, or sealed (not airtight) fire resistant container.

—Only use a Li-Po compatible charger to charge & discharge Li-Po batteries - NEVER try to use any other charger in case of personal injury and property damage.

—Do not discharge the Li-Po to below 3V per cell or irreversible damage can occur to the battery.

—NEVER leave charging battery unattended.

—Do not charge damaged battery-instead dispose of Li-Po batteries by fully discharging then taking to an appropriate disposal agent.

Warning for Battery Charging

As stated previously ONLY use a Li-Po compatible charger to charge the battery. Be sure to read and understand the charger instruction manual carefully before charger use.Make sure battery is on a heat-resistant surface when being charged. It is highly recommended to place the Li-Po battery inside a fire-resistant charging bag readily available at hobby shops or online stores.

Product Overview

XFly Model is proud to announce its first transport aircraft C-17 in the EDF range. With a 1200mm wingspan, the C-17 features a scale outline and details including four efficient engines and landing gears with dual wheels. The factory pre-installed power configuration, including four 40mm fans with 1413-KV5000 brushless motors and four 20A brushless ESCs, paired with a 4S LiPo battery, delivers an abundance of thrust for vertical climbs, rolls, loops and other maneuvers. With sensible throttle management, the C-17 features a potential flight time of 3-8 minutes.

Both front and rear landing gears are fitted with dual wheels, which equips the plane with grip ability to maintain accuracy and stability while taxiing on the ground before takeoff or after landing. The battery compartment is located in the middle of the fuselage, which allows the plane to easily achieve a proper Center of Gravity. The model is conveniently sized for flying at large parks, sports fields, or traditional RC flying fields, so it can be stored and transported without disassembly. It can fit fully assembled in just about any vehicle.

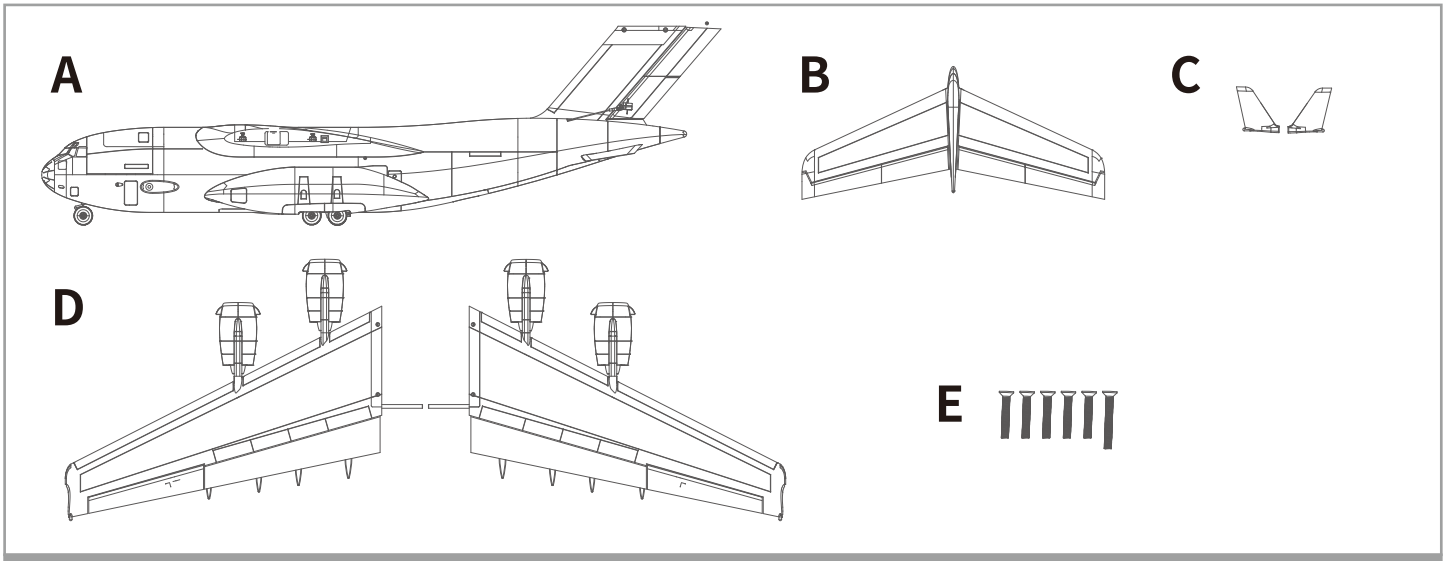
Features

- Four efficient 40mm EDF power configuration delivering an abundance of thrust for vertical climbs, rolls, loops and other maneuvers
- Landing gears with dual wheels designed for grip ability, accuracy and stability
- Battery compartment reasonably designed to easily achieve a proper C.G.
- Extended flight time of 3-8 mins when using recommended 4S 2600-4000mAh LiPo battery
- Quick and easy assembly
- Full painted with decal pre-applied

Table of Contents

Box Contents

Please check the below parts carefully before assembly. If anything appears missing or damaged, please contact your distributor in the first instance, or send us an email (support@xfly-model.com) and advise the item name or part number of the missing or damaged part(s). (Please refer to the spare parts list on Page 12 of this manual for full parts listing). Please note that different versions can sometimes include slightly different items inside the package.



A:Fuselage B:Horizontal Stabilizer C:Winglets D:Main Wing E:Screws

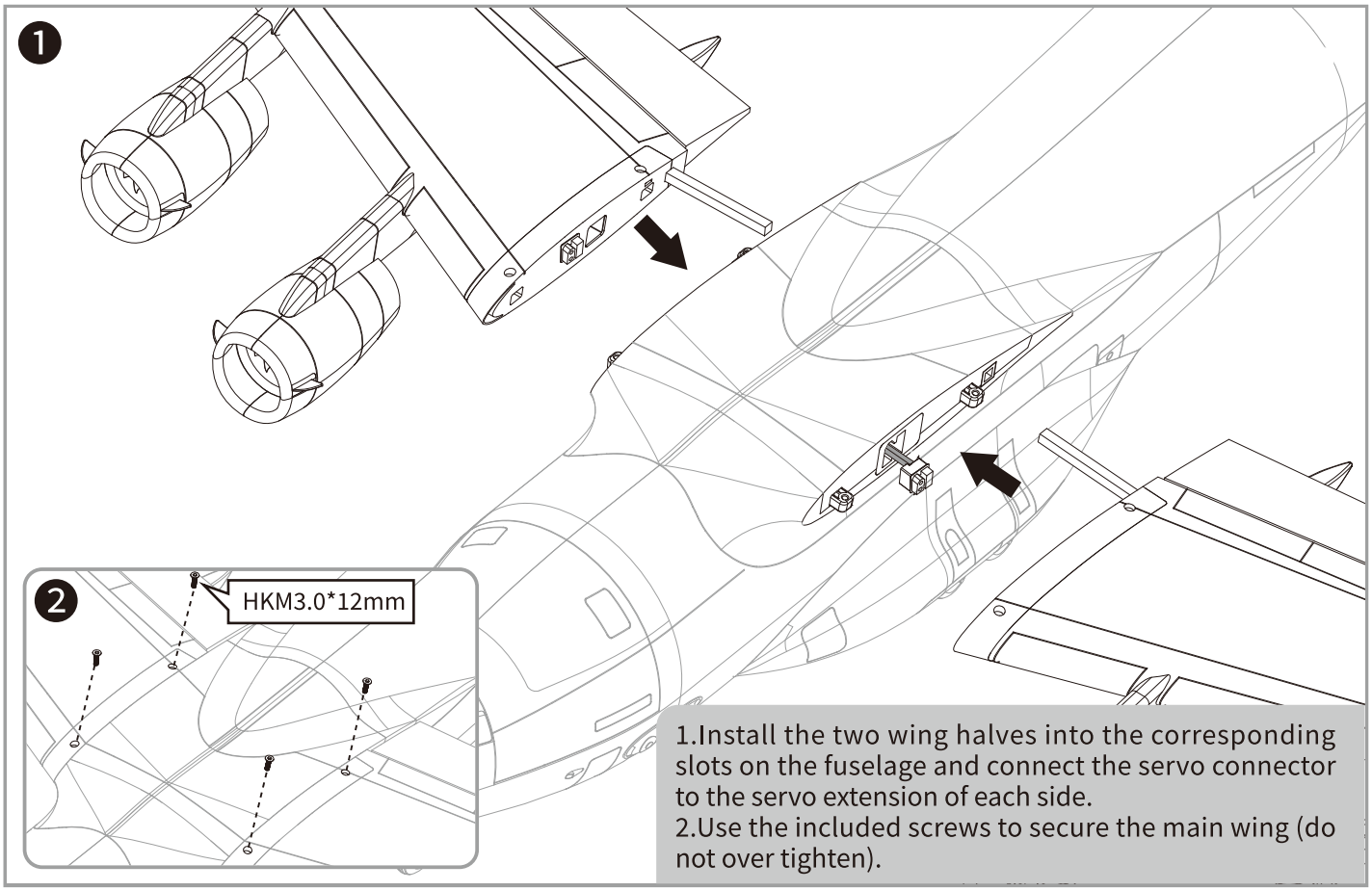
Specifications

Material:	Lightweight yet strong EPO, ABS engineering plastics
Wingspan:	1200mm/47''
Overall Length:	1150mm/45in
Wing Load:	97g/dm^2
Wing Area:	16dm^2
Flying Weight:	1560g
EDF Size	40MM EDF 12-Blade *4
Motor:	1413-KV5000 *4
ESC:	20A *4

Servos:	9g servos*7
Flying Duration:	3 - 8 mins
Landing Gear:	Fixed main landing gear, steerable nose gear
Other Electronics:	/
Channels:	5CH- aileron, elevator, throttle, rudder/steering, flap
Skill Level:	Intermediate
Recommended Battery:	4S 2600-4000mAh
Build&Test Time:	15mins

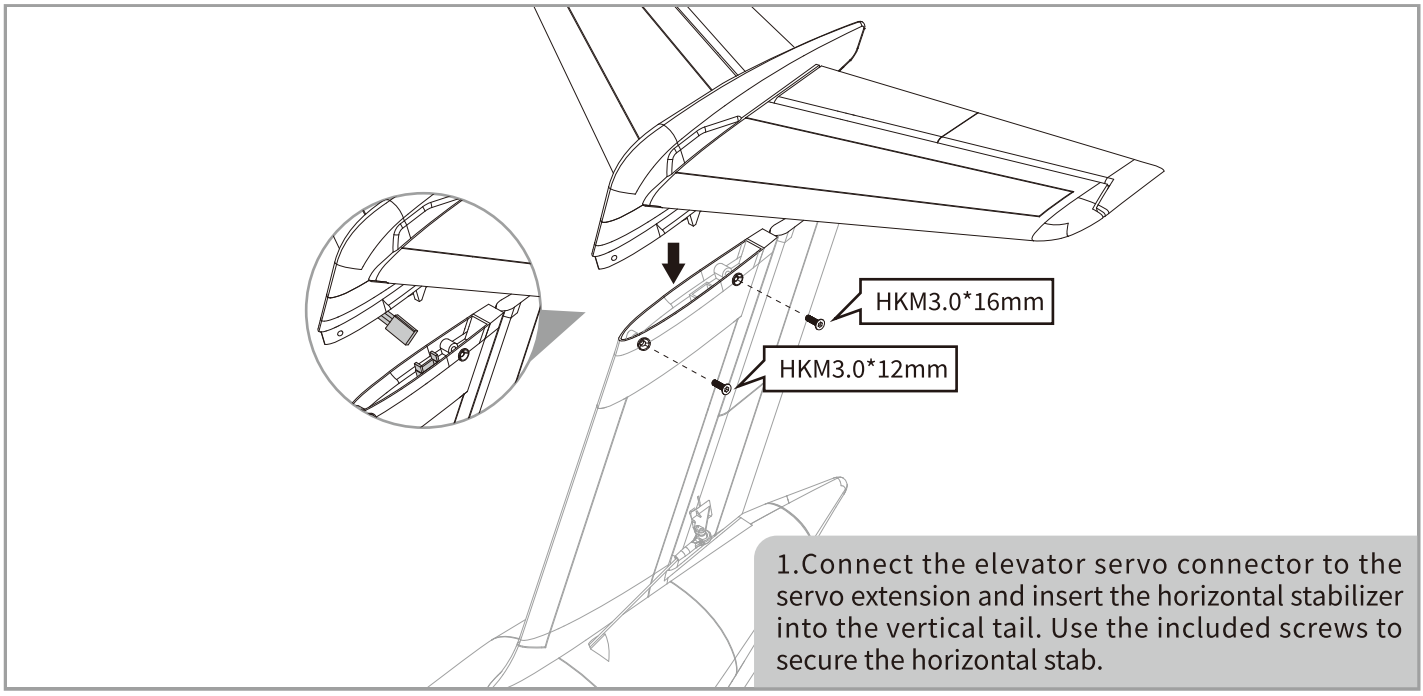
Assembly Instructions

Main Wing Installation



1.Install the two wing halves into the corresponding slots on the fuselage and connect the servo connector to the servo extension of each side.
2.Use the included screws to secure the main wing (do not over tighten).

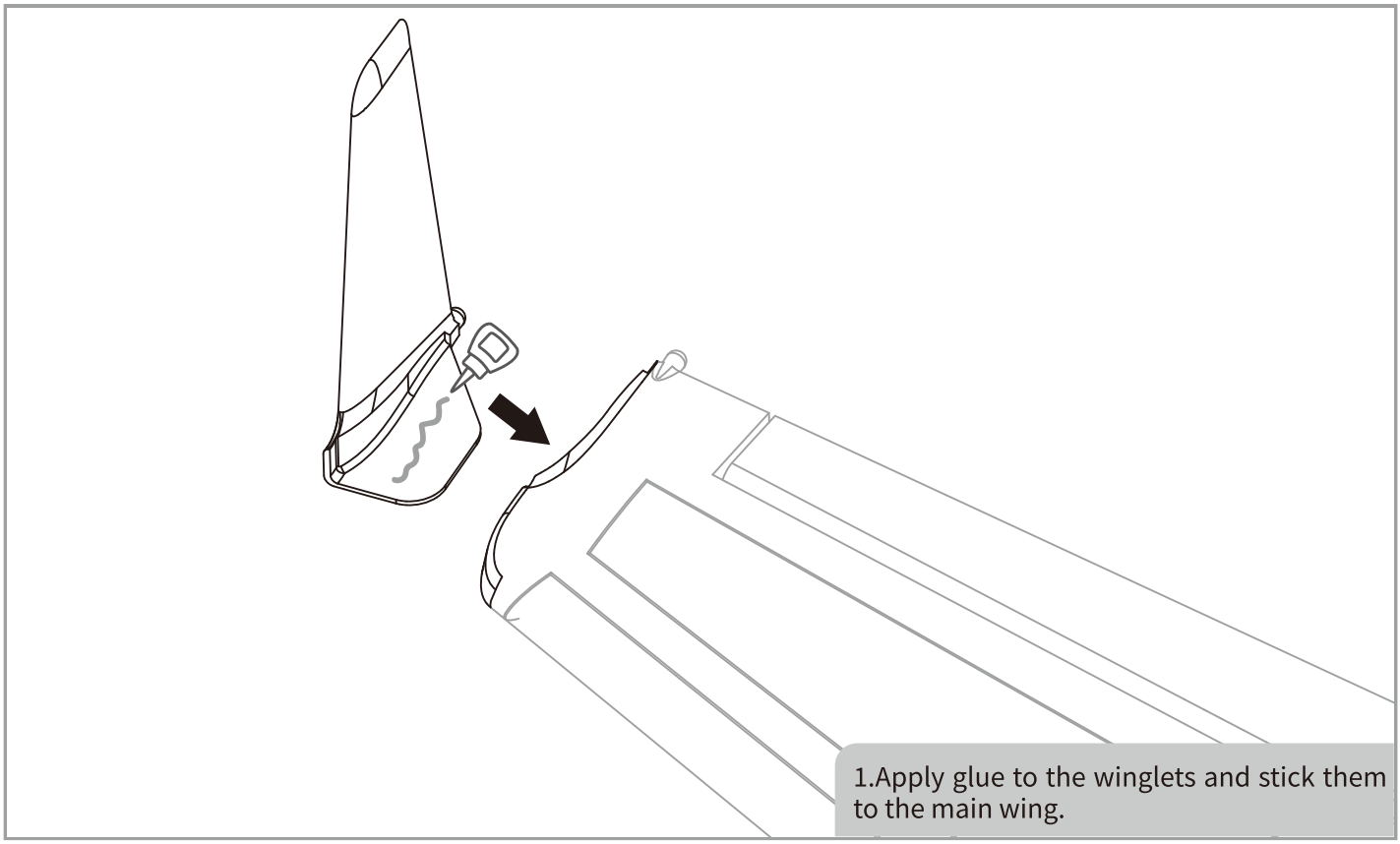
Horizontal Stabilizer Installation



1.Connect the elevator servo connector to the servo extension and insert the horizontal stabilizer into the vertical tail. Use the included screws to secure the horizontal stab.

Assembly Instructions

Winglet Installation

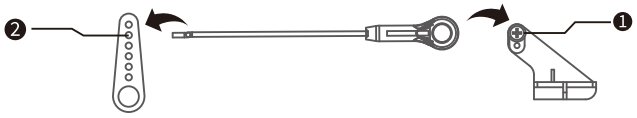


Control Horns Installation

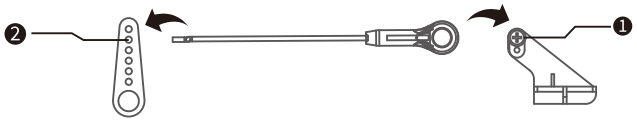
Make sure all servos are in their central position and adjust the linkages to the indicated positions.

The following pictures show the default factory settings for the control horns and linkages recommended for use for initial flight.

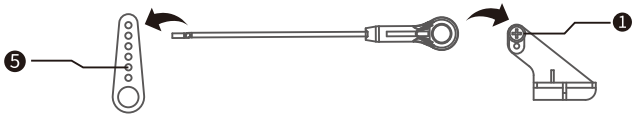
Hole reference for aileron servo linkage



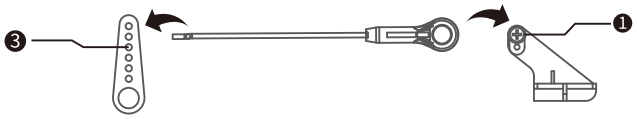
Hole reference for elevator servo linkage



Hole reference for flap servo linkage



Hole reference for rudder servo linkage

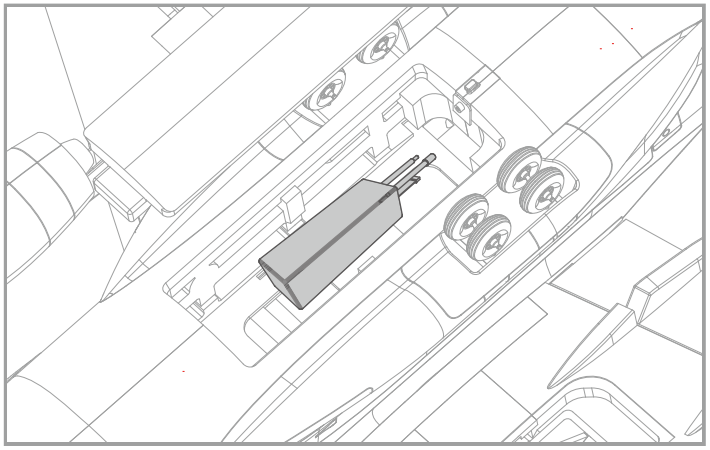


Battery Installation

1.Before connecting the battery to the plane, power on the transmitter and ensure throttle lever in the lowest position.

2.Insert battery to the battery compartment and secure it with velcro tape.

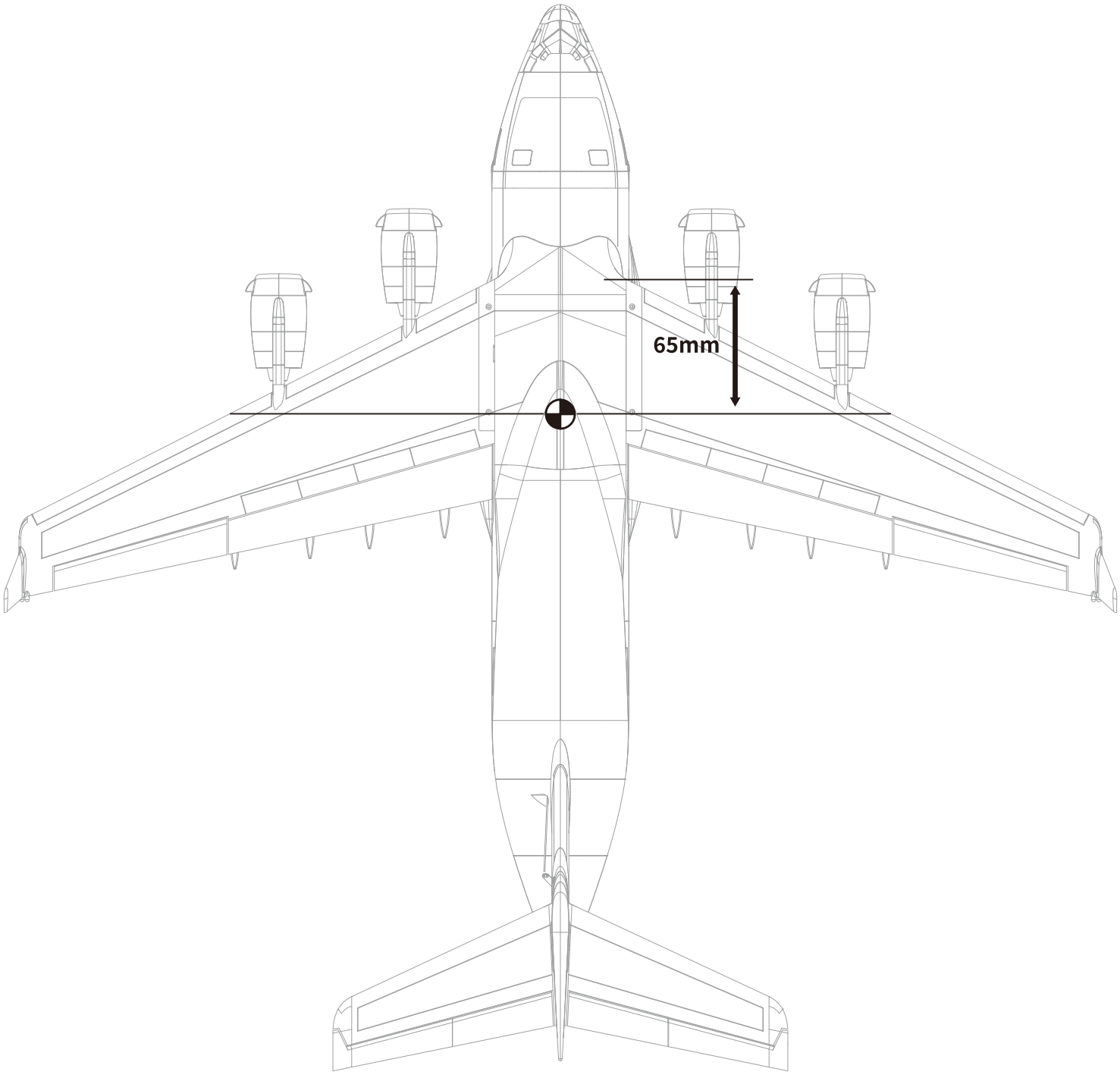
3.If necessary reposition battery to adjust the center of gravity (CG) by moving the battery forward or backward.



CG Setting

Correct center of gravity is very essential for a successful flight. Please refer to the below diagram to adjust the CG of the plane.

—Adjust the CG position by moving the battery forwards or backwards. If necessary add ballast weight to achieve the correct CG position before flight.



Control Surface Testing

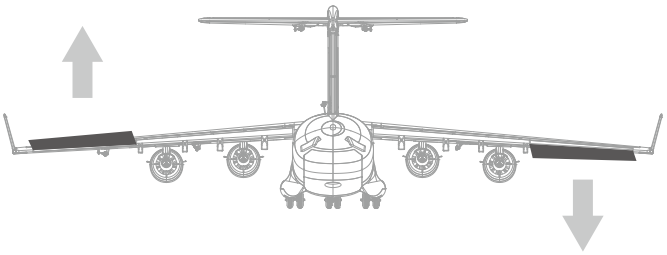
Before each flight turn on the transmitter BEFORE connecting a fully charged battery and perform a full pre-flight functional check-pay attention to all control surfaces for correct direction of operation.

Xfly-Model Strongly recommends you also perform a full range test prior to each flight!

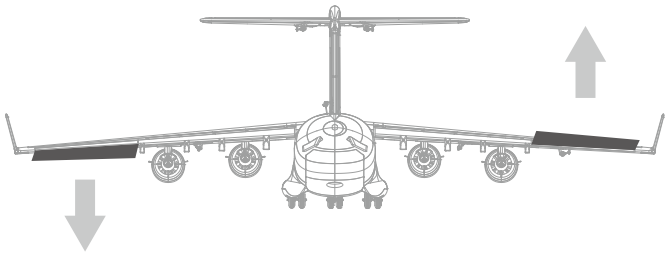
Note: SAFETY FIRST!! Please remove the propeller(where applicable) before carrying out any pre-flight maintenance to the power system to prevent potential injury from unintended propeller operation.

ALWAYS CHECK CONTROL SURFACE DIRECTION FROM BEHIND THE MODEL LOOKING FORWARD TO ENSURE CORRECT OPERATION

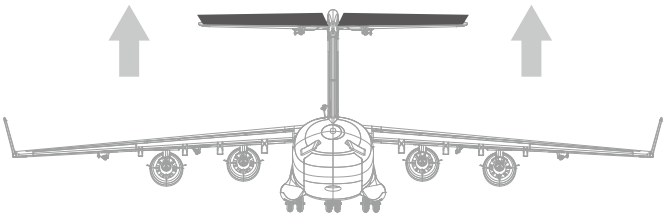
Aileron control lever moving leftward



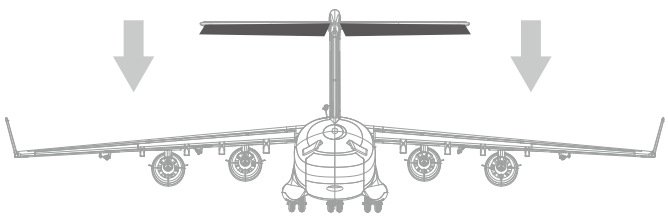
Aileron control lever moving rightward



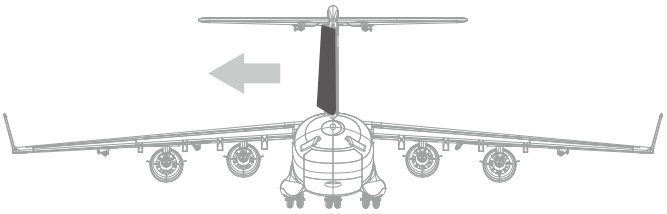
Elevator control lever moving downward



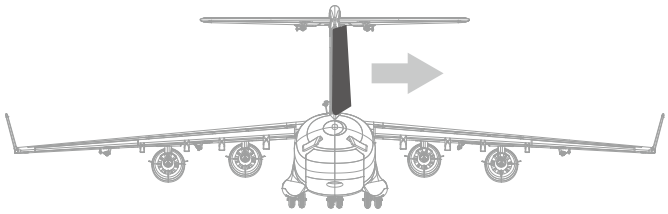
Elevator control lever moving upward



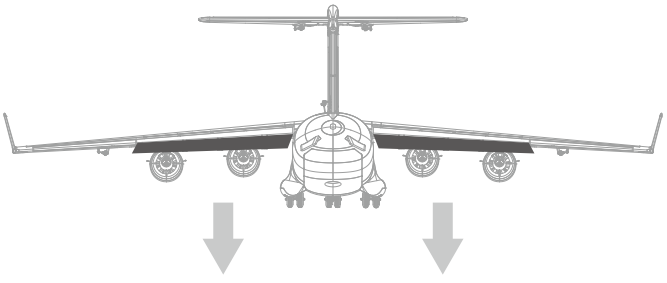
Rudder control lever moving leftward



Rudder control lever moving rightward



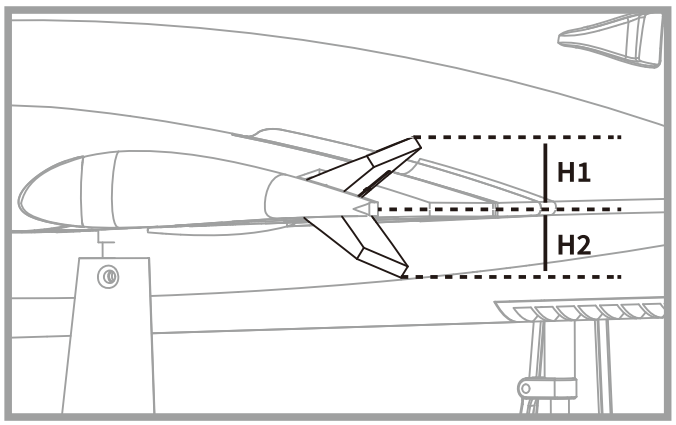
Flaps deployed



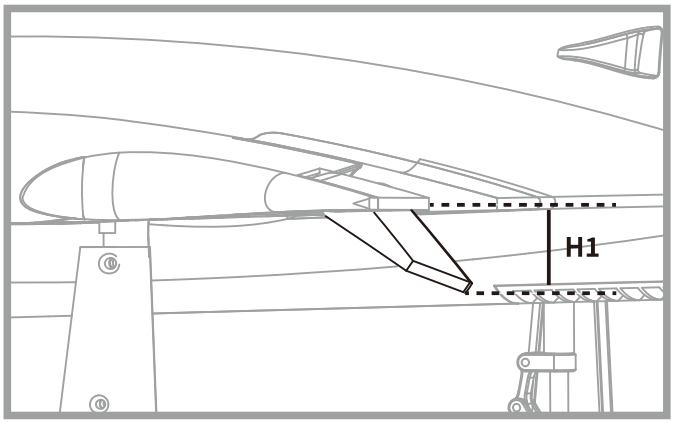
Dual Rate Setting

Based on Xfly Model' s testing experience, the following rates are recommended for optimum performance. Operation on airplanes with low rates is usually clumsy while on those with high rates is usually agile. It is suggested that initial flights are carried out using high rates until you are comfortable with the flight characteristics of the plane.

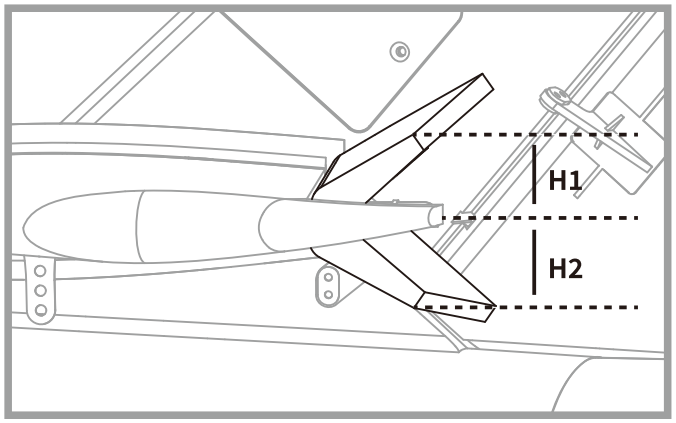
Aileron



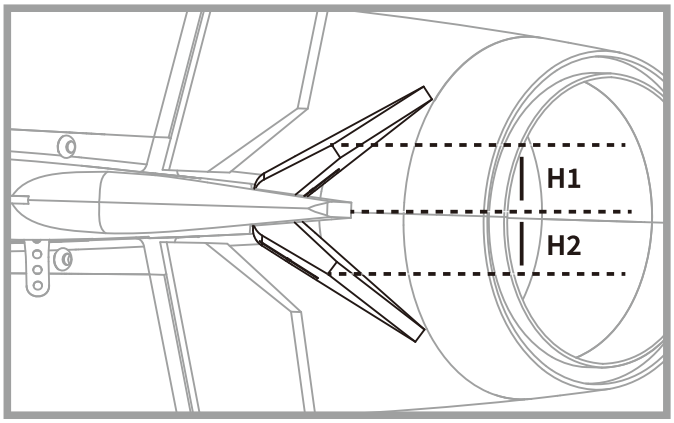
Flap



Elevator



Rudder



	Aileron	Elevator	Rudder	Flaps
Low dual rate(H1/H2)	7mm/55%	12mm/65%	50%	15mm
High dual rate(H1/H2)	12mm/70%	15mm/85%	70%	25mm

Trouble Shooting

Problem	Possible Cause	Solution
Aircraft not responding to the throttle but responding to other controls	-ESC not calibrated -throttle deactivated on radio -motor wire disconnected	-Calibrate ESC according to manual -activate throttle on radio -check motor wires and connect/repair as required
Excessive propeller noise or Excessive vibration	-Propeller/EDF loose or damaged -Propeller/EDF out of balance -Propeller/EDF fan incorrectly installed or mounting loose	-Tighten and/or Replace damaged parts -balance propeller/EDF unit -Remove and install the propeller correctly -ensure mounting tight and parts correctly fitted
Reduced flight times or aircraft underpowered	-Low battery charge -ESC overheating -Defective battery	-Recharge battery -Ensure adequate cooling to ESC -Replace battery with new one
Control surface not moving, or responds slowly to control inputs	-Control surface, control horn, linkage or servo damaged -Wire damaged or connector loose	-Replace or repair damaged parts and adjust controls -Check all wires and ensure connections are secure -Repair/replace damaged wires or connectors
Control surface reversed	Channels reversed on the transmitter	-Check transmitter settings and adjust as required
Motor loosing power in flight	-ESC not calibrated correctly -ESC LVC low voltage cutoff activated -Defective motor, ESC, or battery	-Recalibrate ESC -Check the battery, transmitter, receiver, ESC, motor and replace it if defective -Get the aircraft land immediately and recharge the battery
Slow LED flash on the receiver	Receiver power loss	-Check the connection between ESC and receiver -Check if servo is damaged -Check if the linkages are in place

Spare Parts List

XF124-01	Fuselage
XF124-02	Main Wing Set
XF124-03	Horizontal Stabilizer
XF124-04	Battery Hatch
XF124-05	Equipment Hatch
XF124-06	Nacelle Set (1L+1R)
XF124-07	Winglet Set
XF124-08	Wheel Set
XF124-09	Pushrod Set
XF124-10	Screw Set
XF124-11	Control Horn Set
XF124-12	Nose Landing Gear
XF124-13	Rear Landing Gear(1pc)
XF124-14	Decal Sheet
XF-DFS009	40mm Ducted Fan (12-blade) w/1413-KV5000 Motor
XFESC20A-5	20A ESC 2.5A BEC (XT30 Plug)
XFPSER9P-100	XFly 9g Digital MG Servo Positive w/100mm Lead
XFPSER9R-100	XFly 9g Digital MG Servo Reverse w/100mm Lead
XFPSER9P-200	XFly 9g Digital MG Servo Positive w/200mm Lead
XFPSER9P-300	XFly 9g Digital MG Servo Positive w/300mm Lead
XFPSER9P-450	XFly 9g Digital MG Servo Positive w/450mm Lead

使 用 必 读

警告

组装、调整及飞行前请务必认真阅读产品说明书以熟知产品的特性。请严格按照说明书提示进行飞机的组装、调整及飞行。如操作不当会造成产品本身损坏及其它财产损失，甚至造成严重的人身伤害。迅飞模型及其销售商,对于违反说明书的要求操作而造成的损失、将不负任何法律责任!

声明

模型不是玩具，具有一定的危险性，操作者需要具备一定的飞行经验，初学者请在专业人士指导下操作。
飞机的使用年龄必须是14岁以上的儿童或者成人!

操作使用安全须知

本产品飞行由无线电遥控器控制，在飞行过程中可能会受到外界强信号源干扰而导致失控，甚至坠机。因此，在飞行过程中务必始终与飞机保持一定的安全距离，避免意外碰撞、受伤。

一请勿在发射器电池低电量的情况下操纵模型飞机。

一请勿在在公共场合、高压线密集区、高速公路附近、机场附近或者其它法律法规明确禁止飞行的场合飞行。

一请勿在雷雨、大风、大雪或者其它恶劣气象环境下飞行。

一请严格遵照产品指导说明及安全警告操作本产品及其相关配置（例如充电器、电池等）。

一请勿将相关化工类产品、零部件、电子部件等置于儿童可触及的范围。

一请勿将电子件暴漏于潮湿的环境中，以免造成损坏。

一请勿将本产品任意处置于口中，以免造成人身伤亡。

一在任何情况下，都必须保证油门杆处于起始位、发射机处于打开状态时，才能连接模型飞机内部的动力电池。

锂聚合物电池使用安全须知

使用锂聚合物电池时，须严格遵守制造商说明、要求并了解相关风险，使用不当会导致锂聚合物电池起火，从而造成严重的财产损失甚至人身伤害。

一禁止使用变形、胀气的锂聚合物电池。

一禁止使用过充、放电的锂聚合物电池，避免发生危险。长时间不使用须将锂聚合物电池放电至存储电压(3.8~3.85V/节)。锂聚合物电池须储存在室内干燥区域(4.5~48.5℃)，禁止将锂聚合物电池置于阳光下暴晒或车内，高温可能会导致锂聚合物电池起火，造成财产损失和人身伤害。

一请使用专用充电器对锂聚合物电池进行充放电，禁止使用其它，如：镍氢电池充电器。充放电时，禁止将锂电池放置于高温物体表面，建议使用锂电池防爆袋。不正确的充放电操作会对锂聚合物电池造成损伤，甚至会引起火灾，造成财产损失和人身伤害。

一禁止将锂聚合物电池单节电压放至低于 3V，禁止给已损坏的锂聚合物电池充电。

一锂聚合物电池充放电须在有人看管的情况下进行，避免发生意外造成不必要的损失。

一损坏或者报废处理的模型飞机电池,应妥善回收处理,不准随意抛弃,避免自燃而引发火灾。

飞机电池充电须知：

请确保使用合格的电池充电器给锂电池充电。在使用充电器前，请认真阅读充电器说明书。充电过程中，请确保把电池置于耐热的表面。建议把锂电池置于防火充电袋内充电，防火充电袋可在相关模型实体店或网上买到。

产 品 简 介

四发 40MM 涵道版 C-17 是迅飞模型推出的第一款运输机型，全机依循小而精的风格来设计，在外形上参考力求还原运输机细节特征，涂装采用全身喷漆加贴纸方案，搭配双轮起落架结构和 12 叶的 40MM 涵道动力系统，使整机具备大飞机的气势。

四发 40MM 涵道系统在 4S 锂电池的加持下可提供充沛的动力，推重比可以轻松过一，垂直爬升、横滚、筋斗等特技动作都可轻松实现。前后双轮起落架结构的设计使飞机具备良好的抓地力，起飞降落过程中在地面滑跑时能够保持精准和稳定。主翼、平尾和起落架都可以快速拆装。飞机重心分布合理，电池安装位处于重心处，电池舱可容纳 4S 2600-4000mAh 锂电池，结合高效的涵道动力系统，可轻松实现 3-8 分钟续航。

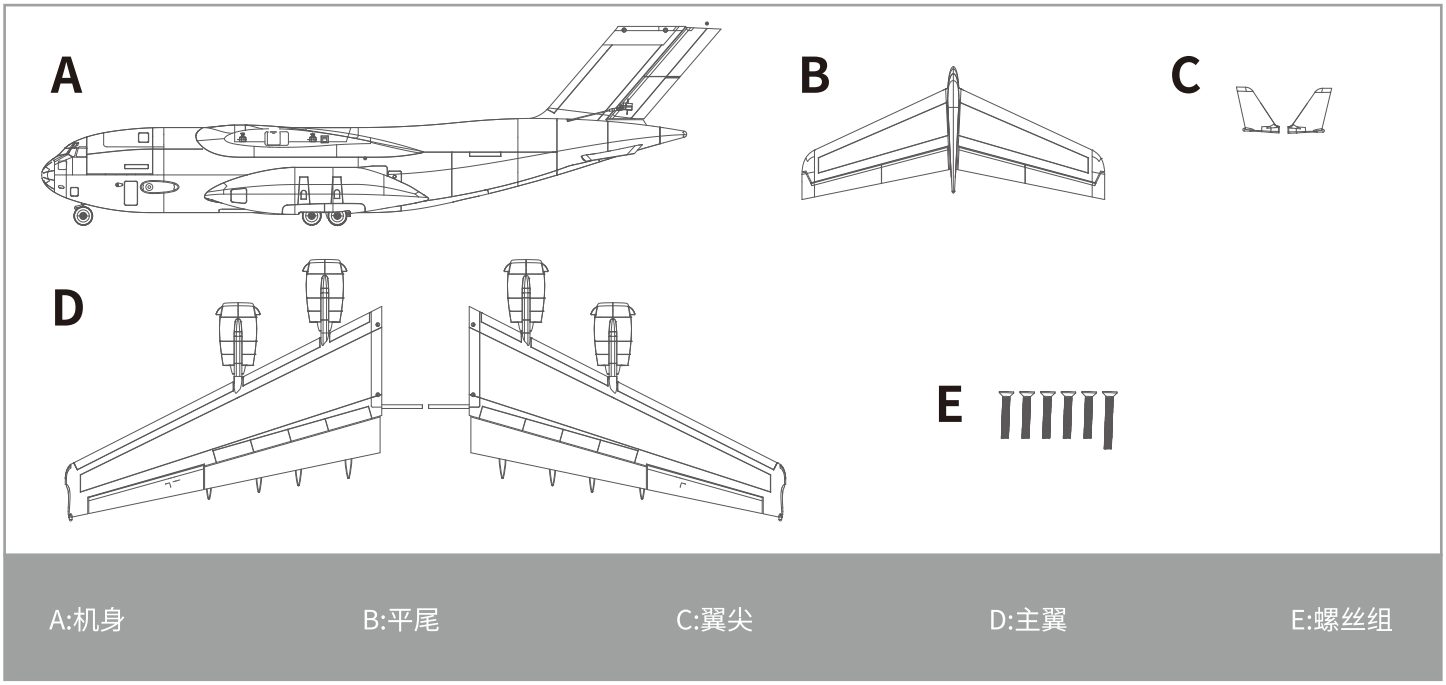
特征

- 四发 40MM 涵道配置，动力充沛，轻松完成垂直爬升、横滚、筋斗等特技动作
- 前后双轮起落架结构，抓地力良好，地面滑跑精准稳定
- 重心分布合理，电池安装位处于重心处
- 使用推荐电池 4S 2600-4000mAh，可轻松实现 3-8 分钟续航
- 主翼、平尾、起落架等都可快速拆装
- 全身喷漆加贴纸

目 录

产 品 包 装 清 单

在组装产品之前，请仔细检查以下配件，如有缺失或者损坏，请及时联系商家或者邮件至厂家（support@x-fly-model.com），告知缺失或损坏的配件名称及编码（请在本说明书尾页查看相应的配件编码）。请注意，不同配置，包装盒内部物品不同。



A:机身　B:平尾　C:翼尖　D:主翼　E:螺丝组

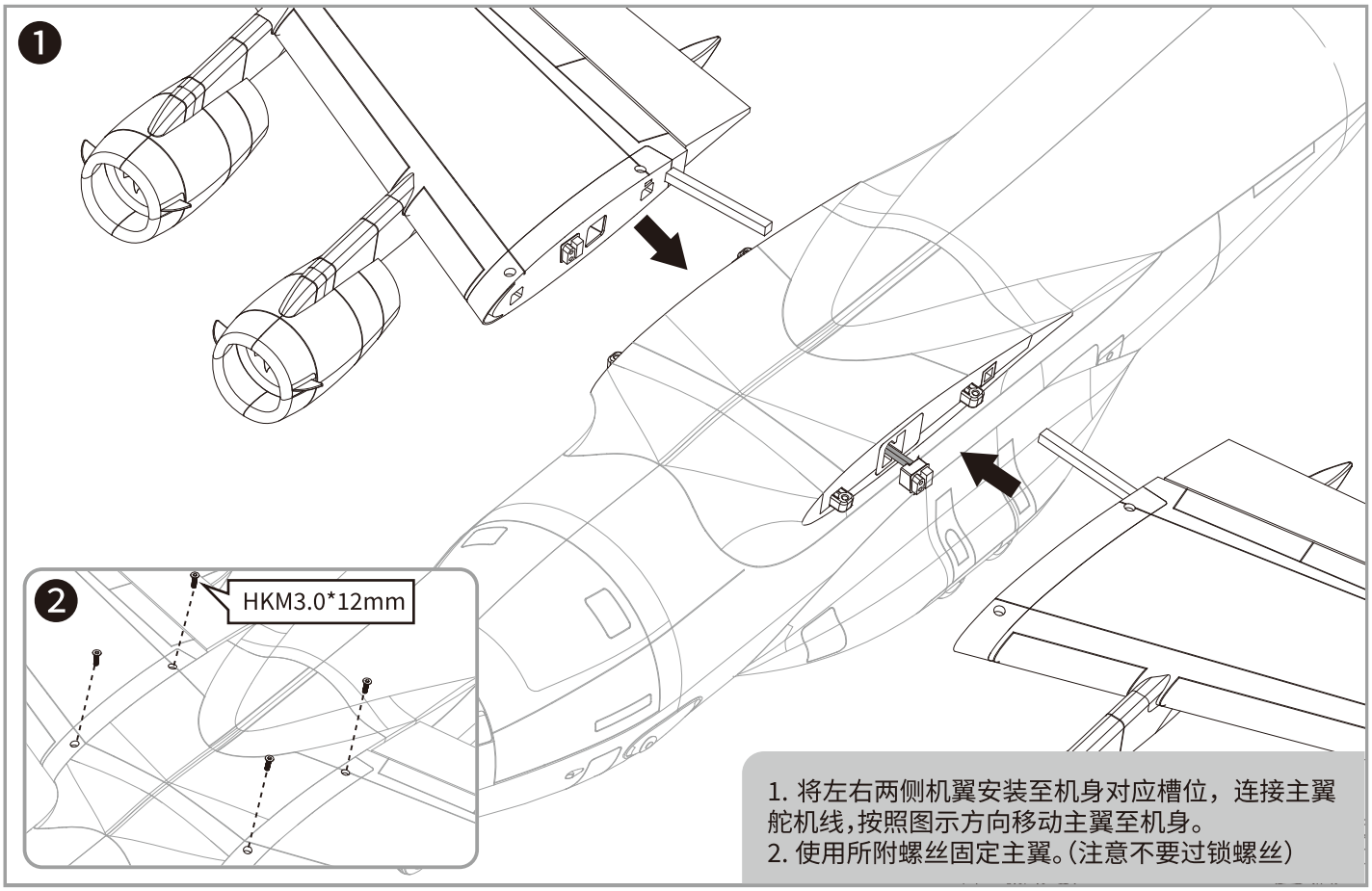
产 品 参 数

材料：	高密度 EPO, ABS 工程塑料
翼展：	1200mm
机身长度：	1150mm
翼载荷：	97g/dm^2
机翼面积：	16dm^2
起飞重量：	1560g
涵道尺寸：	40MM 涵道 12 叶 *4
电机：	1413-KV5000 *4
电调：	20A *4

舵机：	9g 舵机 *7
持续飞行时间：	3 - 8 分钟
起落架系统：	固定起落架，前轮可转向
其他电子设备：	/
通道介绍：	5CH- 副翼，升降，油门，方向 / 前轮转向，襟翼
模型难度：	中级
推荐锂电池：	4S 2600-4000mAh
组装调试时长：	~15 分钟

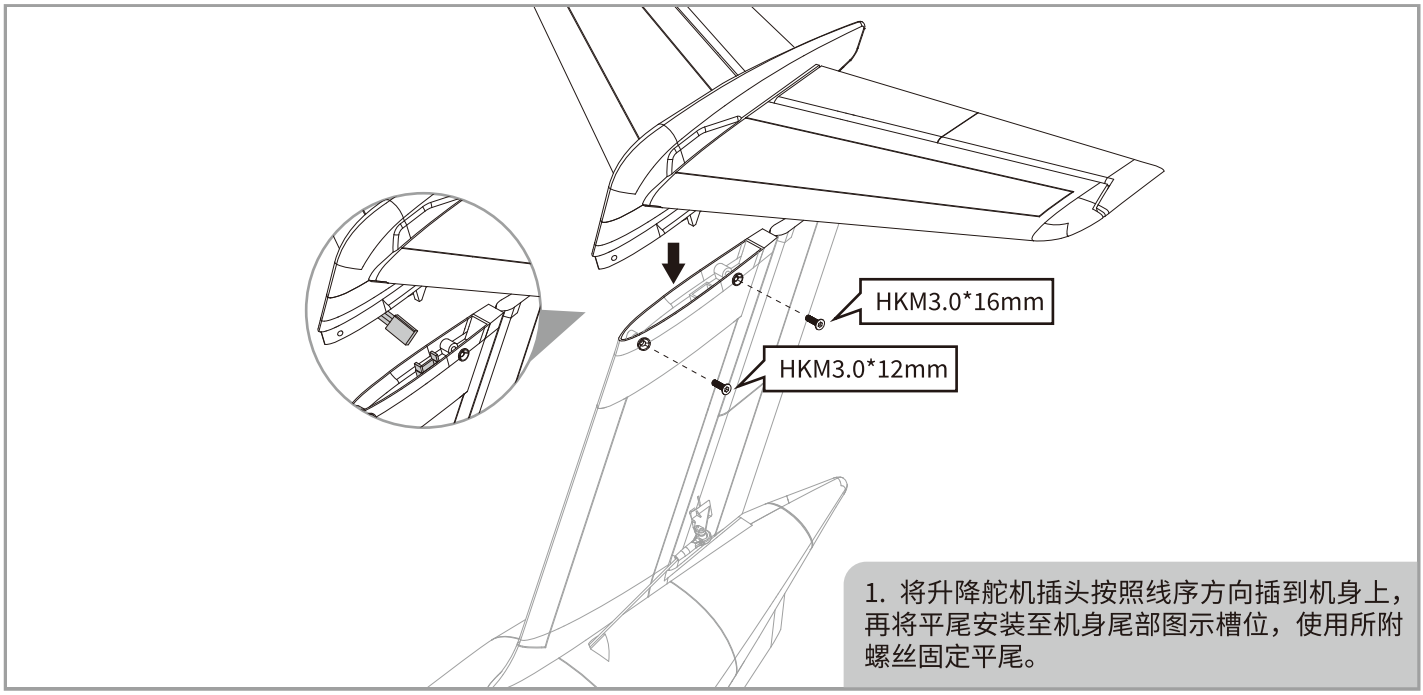
产 品 组 装 说 明

主 翼 安 装



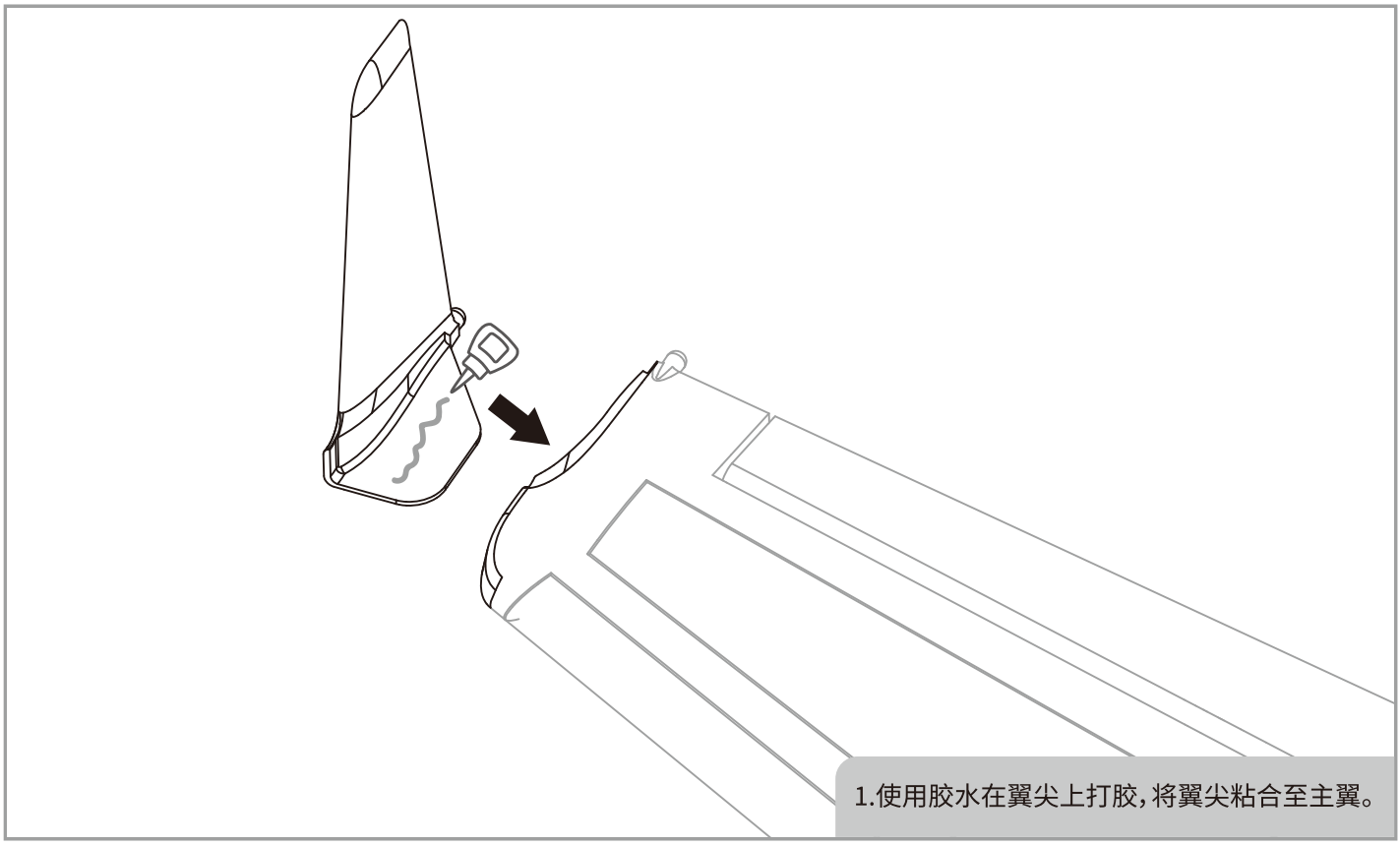
1. 将左右两侧机翼安装至机身对应槽位，连接主翼舵机线，按照图示方向移动主翼至机身。
2. 使用所附螺丝固定主翼。(注意不要过锁螺丝)

平 尾 安 装



1. 将升降舵机插头按照线序方向插到机身上，再将平尾安装至机身尾部图示槽位，使用所附螺丝固定平尾。

翼 尖 安 装



1.使用胶水在翼尖上打胶，将翼尖粘合至主翼。

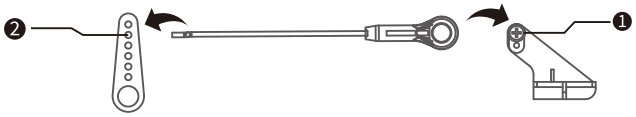
舵 角 摇 臂 安 装

保证舵机为回中状态，将连接杆调整到合适位置。

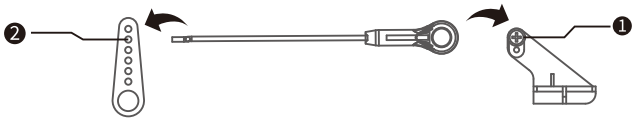
图示是舵角和舵面摇臂的出厂设置。

首飞建议用出厂设置的舵角飞行。

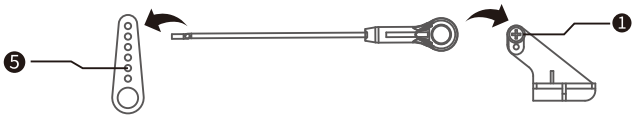
副翼舵机钢丝安装孔位参考



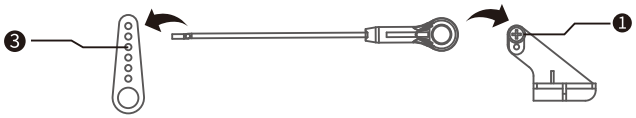
平尾舵机钢丝安装孔位参考



襟翼舵机钢丝安装孔位参考



垂尾舵机钢丝安装孔位参考

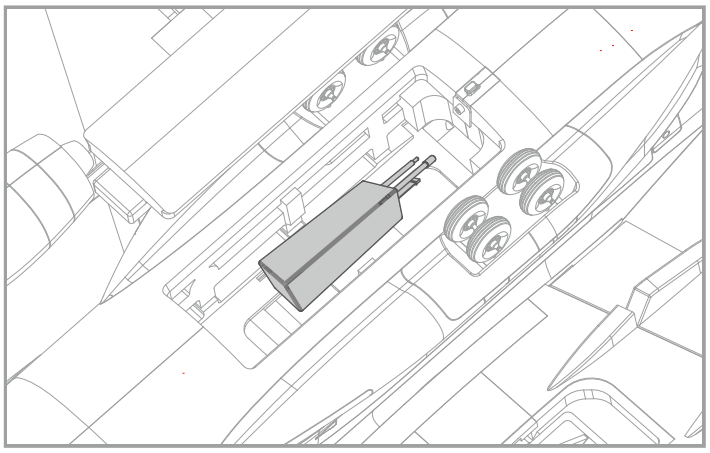


电 池 安 装

1.飞机通电前，首先请打开发射机电源，确认油门杆处于低位。

2.将电池置于电池仓内，使用魔术贴固定电池。

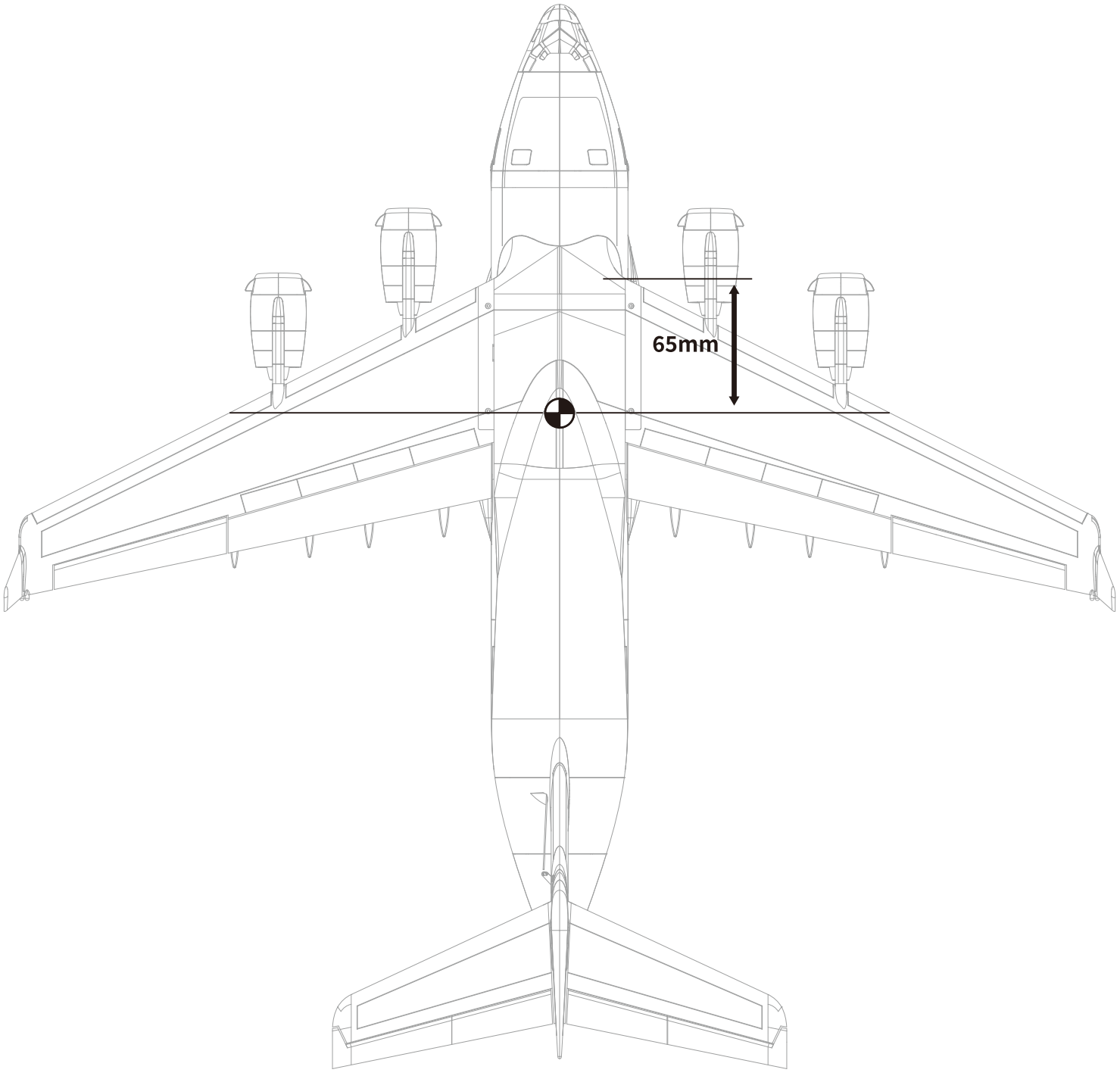
3.由于不同的电池厂家生产的电池重量有差异，需要调整电池的位置来平衡飞机的重心位置。



重 心 调 整

正确的重心，直接关系到飞行的成功与否，请参考下面的重心标示图来调整飞机的重心。

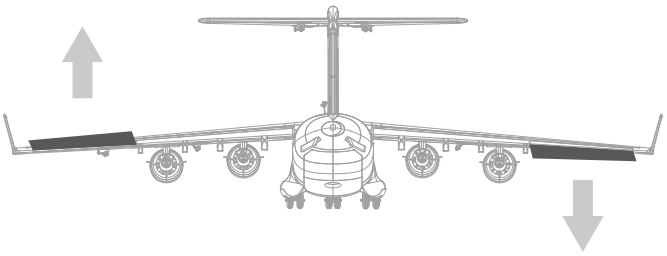
一您可以将电池向前、后移动来调整飞机的重心；如果通过移动电池无法调整到正确的重心位置，您还可以适当的使用一些其他材料来配重，使得飞机的重心处于正确的位置。



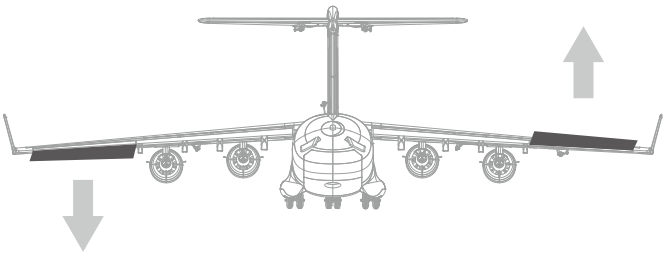
舵 面 测 试

当您按照前面的步骤组装好飞机、 调整好舵角摇臂后，在飞机起飞前，我们需要一块满电的电池连接到电调。用遥控器测试每个舵面的工作情况，检查是否正常！

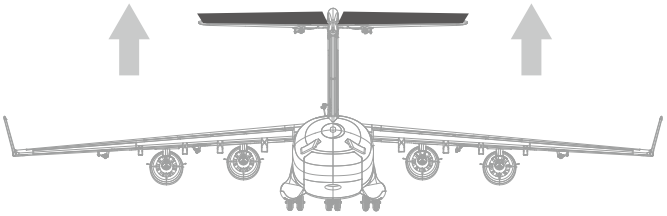
副翼摇杆向左运动



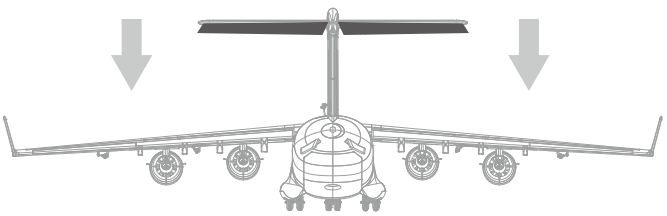
副翼摇杆向右运动



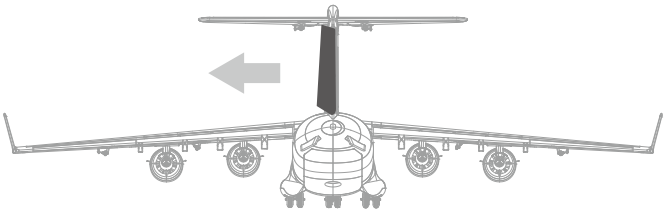
升降摇杆向下运动



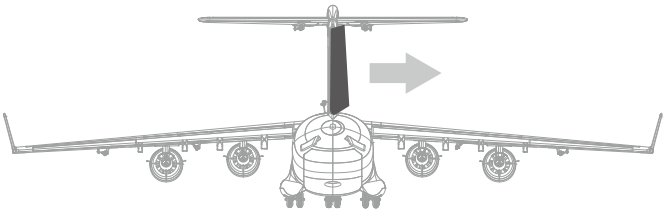
升降摇杆向上运动



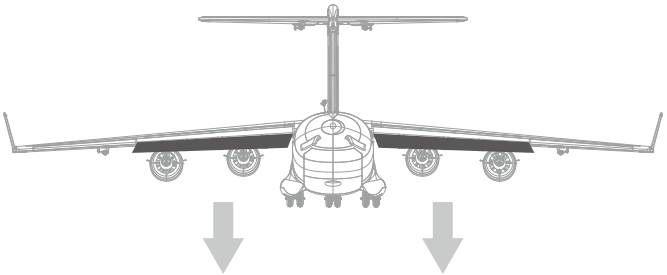
方向摇杆向左运动



方向摇杆向右运动



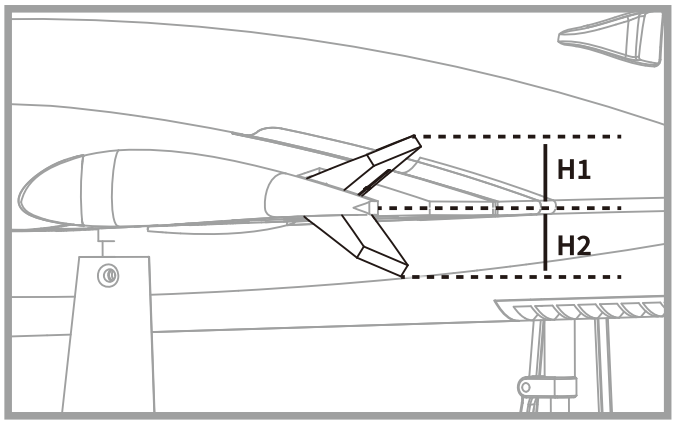
襟翼放下



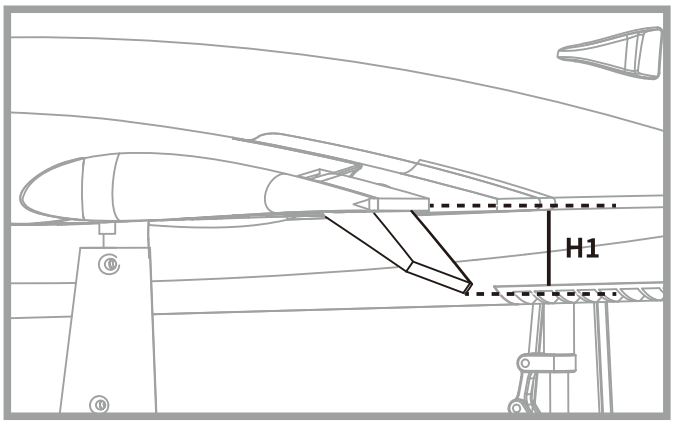
推 荐 舵 面 行 程

根据我们的测试经验，我们认为按以下参数来设置大小舵量将更有助于飞行。小舵量飞机的操纵会显笨拙些，大舵量飞机的操纵会灵敏些，我们建议初次飞行使用大舵量起飞，然后视操纵习惯选用大舵量或小舵量飞行。

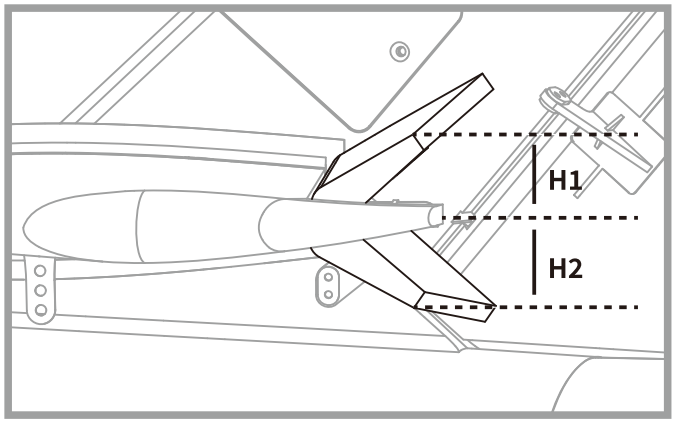
副翼



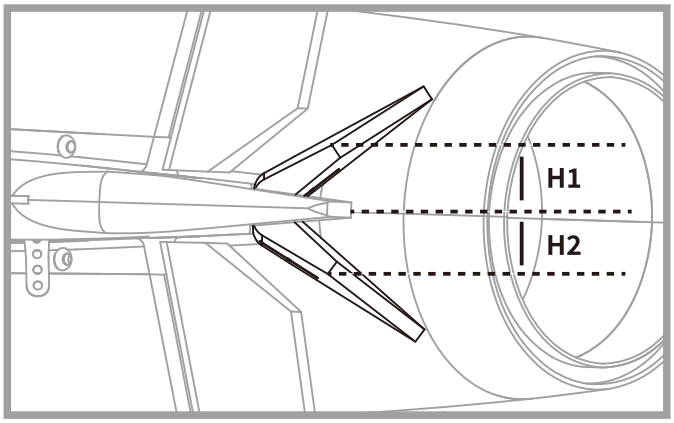
襟翼



升降舵



方向舵



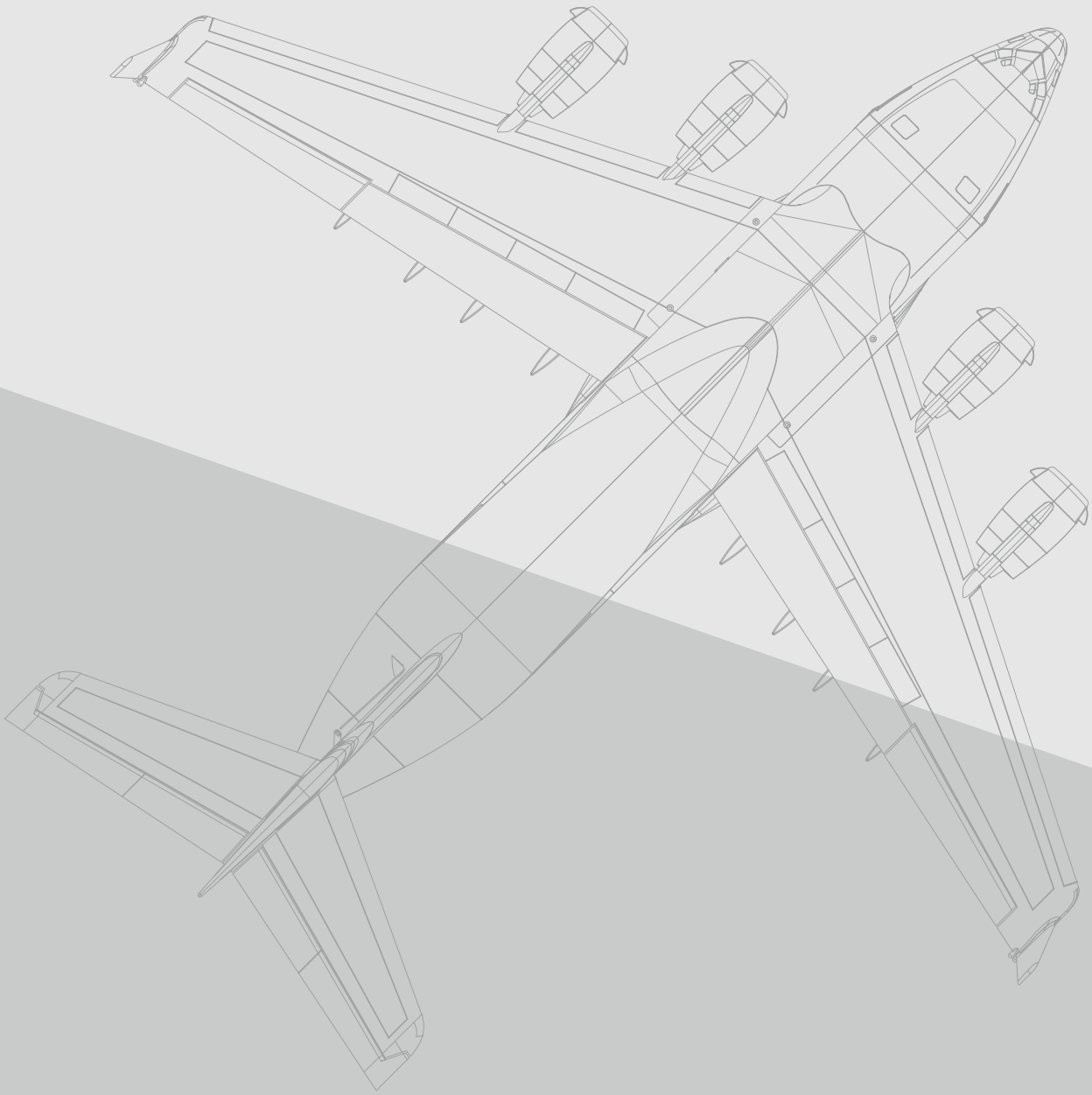
	副翼	升降舵	方向舵	襟翼下放
小舵量(H1/H2)	7mm/55%	12mm/65%	50%	15mm
大舵量(H1/H2)	12mm/70%	15mm/85%	70%	25mm

故 障 检 修

问 题	问 题 原 因	解 决 方 式
油门推杆无响应，但舵机有响应	——电调未连接电机 ——油门通道反向	——降低油门推杆和油门微调设定 ——反过来重新装油门通道
桨的噪音过大或者震动过大	——桨罩、桨、电机、电机架坏了 ——桨或者桨罩的小部件松动了 ——桨装反了	——更换损坏的配件 ——把桨、桨夹和桨罩的小部件拧紧 ——反过来重新装桨
飞行时间变短，飞机无力	——电池电量低 ——桨装反了 ——电池坏了	——重新给电池充电 ——依照电池说明书更换新的电池
飞舵面不动，或者动作响应较慢	——舵面、舵角、连接杆、舵机坏了 ——连接线坏了或者接头松了	——更换或者维修坏了的配件 ——检查所有连接线，确保所有接头无松动现象
舵面反向	——遥控器发射机通道反向	——检查通道控制（舵面）方向，调试飞机舵面和遥控器的舵面控制杆
电机无力	——电机或电池坏了 ——电调用了不合适的低压保护装置	——检查电池、发射机、接收机、电调、电机是否有损坏（如有，请及时更换） ——立刻操控飞机降落，重新给电池充电
接收器的 LED 灯慢闪	——接收器低电量	——检查电调和接收器之间的连接 ——检查舵机是否受损 ——检查连接杆是否安装到位

配 件 列 表

XF124-01	机身	XF-DFS009	40MM涵道带1413-KV5000电机
XF124-02	主翼	XFESC20A-5	20A电调（好盈 2.5A BEC）
XF124-03	平尾	XFPSER9P-100	平政 9g金属数码正向舵机
XF124-04	电池舱盖		(100mm线长)
XF124-05	设备舱盖	XFPSER9R-100	平政 9g金属数码反向舵机
XF124-06	发动机组（一左一右）		(100mm线长)
XF124-07	翼尖小翼	XFPSER9P-200	平政 9g金属数码正向舵机
XF124-08	轮胎组		(200mm线长)
XF124-09	连接杆	XFPSER9P-300	平政 9g金属数码正向舵机
XF124-10	螺丝组		(300mm线长)
XF124-11	舵面摇臂组	XFPSER9P-450	平政 9g金属数码正向舵机
XF124-12	前起落架		(450mm线长)
XF124-13	后起落架（单个）		
XF124-14	贴纸		



XFLY-MODEL

Dongguan Xfly-Model Technology Co., Ltd
URL：http://www.xfly-model.com/
E-Mail：support@xfly-model.com

东莞市迅飞航空科技有限公司
网址：http://www.xfly-model.com/
邮箱：support@xfly-model.com