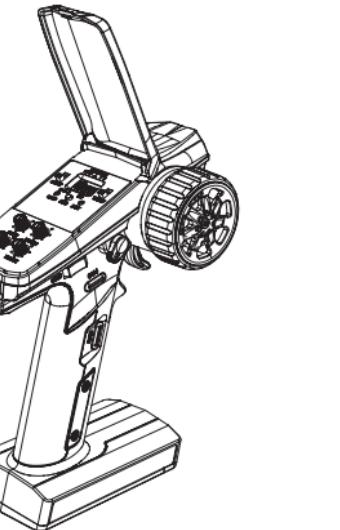


Quick Start Guide

快速操作指南

FS-HBP-MG6A-BS &FS-HBP-R6A4-BS



2.4GHz
2A-BS

FLYSKY

CE FCC ID: 2A2UNMG1100

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FLYSKY

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如果您在使用中遇到任何问题,请先查阅发射机使用说明书。如果问题仍未得到解决,请直接联系当地经销商或者访问官网联系客服人员。

注意事项!

开始操作前请务必阅读以下安全信息!

- 请不要在夜晚或雷雨天气使用本产品,恶劣的天气环境可能导致遥控设备失灵。
- 请不要在能见度有限的情况下使用本产品。
- 请不要在雨雪或有水的地方使用本产品。如果有液体进入到系统内部,可能会导致运行不稳定或设备失灵。
- 信号干扰可能导致设备失控。为保证您和他人的安全,请不要在以下地点使用本产品:



基站附近或其他无线电活跃的地方



人多的地方或道路附近



有客船的水域



高压电线或通信广播天线附近

- 当你感到疲倦、不舒服,或在摄入酒精或服食导致麻醉或兴奋的药物后,不要操作本产品,否则可能对自己或他人造成严重的伤害。
- 在使用过程中,严禁紧握发射机天线,否则将会大大减弱无线电传播信号的质量和强度,导致遥控失灵模型失控。
- 在操作或使用模型后,请勿触摸任何可能发热的部位,如发动机、电机、定速设定等。这些部件可能非常热,容易造成严重的烧伤。

- 遥控设备使用不恰当可能导致操作者或他人严重受伤,甚至死亡。为保证您和设备的安全,请仔细阅读使用说明书并按照要求进行操作。
- 使用前必须确保本产品与模型安装正确,否则可能导致模型发生严重损坏。

- 操控时,请先确认模型所有舵机的动作方向与操控方向一致。如果不一致,请调整好正确的方向。

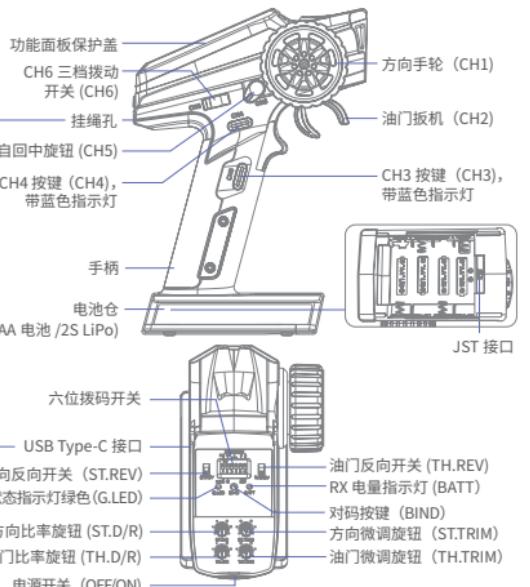
- 当遥控距离持续较远时,有发生失控的可能。请适当缩短遥控的距离。

特此,【ShenZhen FLYSKY Technology Co., Ltd】声明无线电设备【FS-HBP-MG6A-BS&FS-HBP-R6A4-BS】符合RED2014/53/EU: 欧盟DoC声明、FCC声明可在以下互联网地址: www.flyskyttech.com/info_detail/10.html 获取。

此发射机所用天线的安装必须与所有人员保持距离,不得与任何其他发射机共用或一起使用。必须向最终用户和安装人员提供天线安装说明和发射机操作条件,以满足射频暴露合规要求。

注意: 使用类型不正确的电池可能发生爆炸风险,请妥善处理使用完的电池。

发射机概览

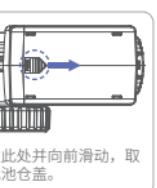


基本操作

▶ AA 电池安装

请按照以下步骤安装 AA 电池:

1. 打开电池仓盖 (如图所示);
2. 将 4 颗电量充足的 AA 电池按标注的极性方向装入电池仓内;
3. 盖好电池仓盖。



▶ LiPo 锂电池安装

请按照以下步骤安装锂电池:

1. 打开电池仓盖;
2. 将电量充足的 2S 锂电池放入电池仓内;
3. 将电池导线接入 JST 接口;
4. 盖好电池仓盖,注意不要夹到电池导线。

▶ 开机

请按照以下步骤打开发射机:

1. 检查系统状态,确保电池电量充足且安装正确;
2. 将电源开关拨到 [ON] 位置, G.LED 指示灯常亮。

▶ 对码

本发射机和接收机在出厂前已对码成功。若需使用其他的接收机,请按照如下步骤进行对码。本发射机支持双向对码,对码步骤如下:

1. 将发射机按住对码按键 (BIND) 开机即进入对码状态,此时 G.LED 指示灯快闪,松开对码按键;
2. 收接收机上电等待 1 秒没有连接即自动进入对码状态,此时接收机 LED 指示灯快闪;
3. 对码成功后,接收机 LED 指示灯及发射机 G.LED 指示灯常亮;
4. 检查发射机、接收机是否正常工作。如需重新对码,请重复以上步骤。

▶ 摆杆校准

当油门、手轮和 CH5 自回中旋钮发生机械性偏移,如回中或最大 / 最小行程出现偏差时,使用此功能修正。步骤如下:

1. 将手轮顺时针打到最大、扳机向前推到底并开机,发射机即进入校准模式,此时蜂鸣器响 3 声循环提示;
2. 手轮校准:将手轮分别按顺时针和逆时针方向旋转至最大和最小行程,蜂鸣器响 2 声循环提示;
3. 扳机校准:将扳机分别向前和向后推至最大和最小行程,蜂鸣器响 1 声循环提示;
4. CH5 自回中旋钮校准:将 CH5 自回中旋钮分别按顺时针和逆时针方向旋至最大和最小行程,蜂鸣器长响 1 声提示;
5. 按 BIND 键退出并保存校准数据,发射机蜂鸣器长响 1 声提示。
若校准失败,按 BIND 键无反应,请重复以上校准步骤。

▶ 数据复位

用于将设置的舵量数值恢复为默认值。

按住 BIND 按键和 CH4 按键,并通电开机,即恢复成默认值,蜂鸣器长响一声提示。

注: 此功能仅适用于复位舵量至默认值。

▶ 失控保护

此功能用于当接收机无法正常收到发射机的信号不受控制时,保护模型和操作人员的安全。

失控后,接收机 CH2 失控保护默认开启,电调进入刹车模式,其他通道保持最后输出。若其他通道已在发射机端设置,则按照设置值输出;同时左、右车灯同步慢闪提示(仅车灯模式设置为模式 5 时)。

可在发射机端设置其他通道(CH1、CH4、CH5 和 CH6)失控后输出的失控保护值,设置步骤如下:开机正常状态下,先操作需要设置失控保护的通道所对应的控件至合适的位置,再长按对码按键 (BIND) 3 秒,即将当下输出的通道值设置为该通道失控保护值。设置成功时,蜂鸣器长响一声提示。

长响一声提示。

注: 重新对码时恢复默认设置。

▶ 关机

请按以下步骤关闭发射机:

1. 先断开接收机电源;
2. 将电源开关拨到 [OFF] 位置,关闭发射机。

① 关闭发射机之前,请务必先断开接收机电源,然后关闭发射机。如果强行关闭发射机,将会导致遥控设备失控,失控保护设置不合理可能引起事故。

规格参数

产品型号	FS-HBP-MG6A-BS
适配接收机	FS-HBP-R6A4-BS
适配模型	仿真攀爬车
通道个数	6
无线频率	2.4GHz ISM
发射功率	<20dBm
无线协议	2A-BS
通道分辨率	4096 级
输入电源	1.5AA*4 或 2S 锂电池
低电压报警	AA 电池: <4.2V; LiPo 电池: <7.0V
天线类型	内置单天线
充电接口	无 (USB Type-C 接口仅做供电使用)
固件更新	不支持
数据接口	无
遥控距离	≥ 150m(空旷无干扰地面距离)
温度范围	-10°C ~ +60°C
湿度范围	20% ~ 95%
外形尺寸	135.7*189.5*82.7mm
机身重量	217g
机身颜色	黑色
认证	CE, FCC ID: 2A2UNMG1100



微信公众号



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Website



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FLYSKY

Thank you for purchasing the products of Flysky! To find out more about our products, visit our website at www.flysky-cn.com. If you encounter any problems during using, please refer to the manual first. If the problem is still not resolved, consult your local dealer directly or contact the customer service staff via Flysky official website.

Precautions

Read the safety messages listed below before operation!

- Do not use the product at night or during bad weather conditions, like rain or thunderstorms. It can cause erratic operation or loss of control.
- Do not use the product when visibility is limited.
- Do not expose the product to rain or snow. Any exposure to moisture (water or snow) may cause erratic operation or loss of control.
- Interference may cause loss of control. To ensure the safety of you and others, do not operate in the following places:



Near any sites where other radio control activity may occur



Near people or roads



On any pond/lake when passenger boats are present



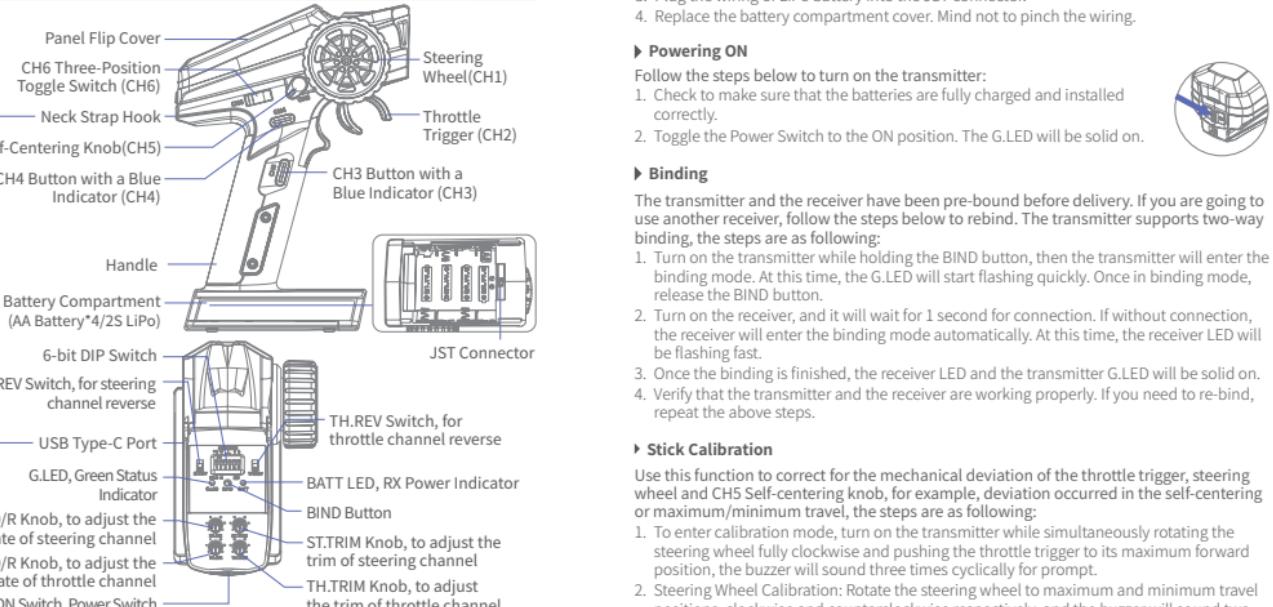
Near power lines or communication broadcasting antennas

- Do not use this product when you are tired, uncomfortable, or under the influence of alcohol or drugs. Doing so may cause serious injury to yourself or others.
- The 2.4GHz radio band is limited to line of sight. Always keep your model in sight as a large can block the RF signal and lead to loss of control.
- Never grip the transmitter antenna during operation. It significantly degrades signal quality and strength and may cause loss of control.
- Do not touch any part of the model that may generate heat during operation, or immediately after use. The engine, motor or speed control, may be very hot and can cause serious burns.
- Misuse of this product may lead to serious injury or death. To ensure the safety of you and your equipment, read this manual and follow the instructions carefully.
- Make sure the product is properly installed in your model. Failure to do so may result in serious injury.
- Ensure that all servos operate in the correct direction. If not, adjust the direction first.
- Make sure that the model stays within range in order to prevent loss of control.
- The ce warns that the installation of the antenna used in this transmitter must be kept in distance from all the personnel and shall not be used or used with any other transmitter. The end user and the installer must provide antenna installation instructions and transmitter operating conditions to meet the requirements for rf exposure compliance.

CAUTION!

- RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

Transmitter Overview



Basic Operations

Installing the AA Battery

Follow the steps below to install the AA batteries:

- Open the battery compartment cover as illustrated.
- Insert 4 fully-charged AA batteries into the compartment. Make sure that the batteries are well set according to the polarities marked on the battery compartment.
- Replace the battery compartment cover.



Press and slide forward to remove cover.

Installing the LiPo Battery

Follow the steps below to install the LiPo battery:

- Open the battery compartment cover.
- Insert a fully-charged 2S LiPo battery into the compartment.

- Plug the wiring of LiPo battery into the JST connector.
- Replace the battery compartment cover. Mind not to pinch the wiring.

Failsafe

The function is used to protect the model and personnel when the receiver loses signal. When signal loss occurs, the receiver's CH2 failsafe triggers, forcing the ESC into brake mode, and the other channels (CH1, CH4, CH5 and CH6) keep the last output. If the other channels have been set at the transmitter side, the output will be according to the set value; meanwhile, the turn signal left and right lights will flash slowly and simultaneously (only when the LED light mode is set to mode 5).

For the other channels, it can be set at the transmitter side. The setting steps are as below: In the normal power-on state, position the control corresponding to the channel requiring fail-safe setup to its desired position. Meanwhile, press and hold the BIND button for 3 seconds to set the channel value of the current output to the failsafe value. The buzzer will give a long beep indicating that the setting is successful.

Note: Restore to the default setting in case of re-binding.

Powering OFF

Follow the steps below to turn off the transmitter:

- Turn off the receiver first.
 - Toggle the transmitter's Power Switch to the OFF position to turn off the transmitter.
- ! Make sure to power off the receiver before turning off the transmitter. Failure to do so can result out-of-control. Unreasonable setting of the Failsafe may cause an accident.

Stick Calibration

Use this function to correct for the mechanical deviation of the throttle trigger, steering wheel and CH5 Self-centering knob, for example, deviation occurred in the self-centering or maximum/minimum travel, the steps are as following:

- To enter calibration mode, turn on the transmitter while simultaneously rotating the steering wheel fully clockwise and pushing the throttle trigger to its maximum forward position, the buzzer will sound three times cyclically for prompt.

- Steering Wheel Calibration: Rotate the steering wheel to maximum and minimum travel positions, clockwise and counterclockwise respectively, and the buzzer will sound two times cyclically.

- Throttle Trigger Calibration: Push/pull the throttle trigger to its maximum forward and backward positions, and the buzzer will sound once cyclically.

- CH5 Self-Centering Knob Calibration: Turn the CH5 Self-Centering knob to its maximum and minimum travel points, clockwise/anticlockwise respectively, and the buzzer will give a long beep.

- Press the BIND button to save and exit in case of the calibration is successful, and the buzzer will give a long beep.

If the calibration fails, pressing the BIND button is invalid. Repeat the steps above.

Data Reset

Used to restore the set end point value to the default value.

Press and hold the BIND and CH4 buttons of the transmitter, and at the same time power on the transmitter. At this time, the buzzer will give a long beep.

Note: This function is only applicable to resetting the end point value to the default value.

Digital Proportional Radio Control System

FS-HBP-R6A4-BS

Certifications

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

EU DoC Declaration

Hereby, [ShenZhen FLYSKY Technology Co., Ltd.] declares that the Radio Equipment [FS-HBP-MG6A-BS&FS-HBP-R6A4-BS] is in compliance with RED 2014/53/EU. The full text of the EU DoC is available at the following internet address: www.flyskyttech.com/info_detail/10.html

RF Exposure Compliance

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Environmentally friendly disposal

Old electrical appliances must not be disposed of together with the residual waste, but have to be disposed of separately. The disposal at the communal collecting point via private persons is for free. The owner of old appliances is responsible to bring the appliances to these collecting points or to similar collection points. With this little personal effort, you contribute to recycle valuable raw materials and the treatment of toxic substances.



FCC ID: 2A2UNMG1100

Manufacturer: ShenZhen FLYSKY Technology Co., Ltd.

Address: 16F, Huafeng Building, No. 6006 Shennan Road, Futian District, Shenzhen, Guangdong, China

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Figures and illustrations in this QSG are provided for reference only and may differ from actual product appearance. Product design and specifications may be changed without notice.