FLYSKY

Quick Start Guide
快速操作指南

FS-MG7

感谢您购买富斯公司的产品！

欲知更多产品信息，请浏览以下官方网站：www.flyskytech.com. 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。
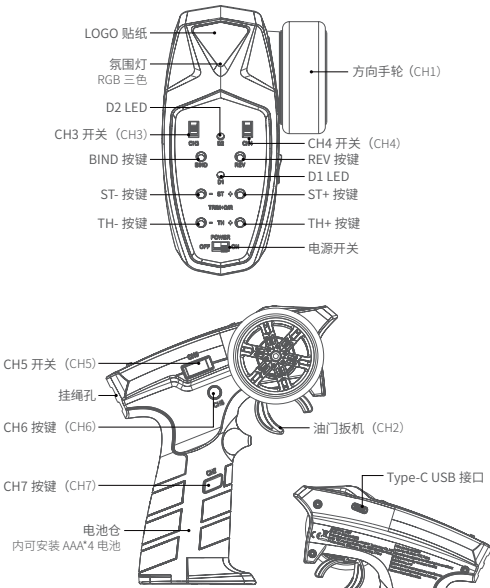
注意事项！

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，恶劣的天气环境有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。
- 2.4GHz 无线电波段完全不同于之前所使用的低频无线电波段。使用时请确保模型产品在您的视线范围内，大的障碍物将会阻断无线电频率信号从而导致遥控失灵或模型失控。
- 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。
- 关闭时，请务必先关闭接收机电源，然后关闭发射机。如果关闭发射机或接收机仍然在工作，将有可能导致遥控设备失控或者引擎继续工作而引发事故。
- 接控时，请先确认模型所有舵机的动作方向与操纵方向一致。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。

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。

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FCC ID: 2A2UNMG700

发射机概览

- LOGO 贴纸
- 氛围灯 RGB 三色
- D2 LED
- CH3 开关（CH3）
- BIND 按键
- ST- 按键
- TH- 按键
- 方向手轮（CH1）
- CH4 开关（CH4）
- REV 按键
- D1 LED
- ST+ 按键
- TH+ 按键
- 电源开关

- CH5 开关（CH5）
- 挂绳孔
- CH6 按键（CH6）
- CH7 按键（CH7）
- 油门扳机（CH2）
- Type-C USB 接口
- 电池仓 内可安装 AAA*4 电池

基本操作

▶ AAA 电池安装

请按照以下步骤安装 AAA 电池：

1. 打开电池仓盖，如图所示；

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2. 将 4 颗电量充足的电池按标志的极性方向装入电池仓内；
3. 盖好电池仓盖。

▶ 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。

按住此处并向前滑动，打开电池仓盖。

▶ 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，请按照以下步骤进行对码。本发射机支持双向对码与单向对码，双向对码完成后反射机将显示接收机回传的信息，双向对码步骤如下：

1. 按下 BIND 按键通电开机，发射机即进入对码状态，D1 LED 红色快闪）
2. 接收机进入对码状态；
3. 接收机 LED 灯变为常亮时，表示对码成功（发射机自动退出对码状态）；
4. 检查发射机、接收机、模型是否正常工作。如需重新对码，请重复以上步骤。

注：

1. 若发射机以单向模式进入对码时，当接收机 LED 灯变快闪为慢闪，此时将发射机关机重启，接收机指示灯变为常亮表示对码成功。
2. 不同的接收机对码方式不同，具体对码方式请访问 FLYSKY 官网查询接收机说明书或其他相关资料。

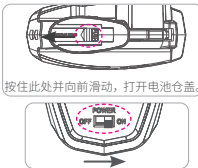### ▶ 摇杆校准

校准方向手轮、油门扳机的最大最小行程值。发射机在出厂前已校准完成，如需要重新校准，请按照以下步骤执行：

1. 将发射机手轮沿顺时针方向打到最大行程处，前推油门扳机至最大行程处，并开机，即进入摇杆校准模式，此时 D1 LED 红色常亮，蜂鸣器以音调 1 短鸣一声循环提示；
2. 手轮校准：将手轮分别按顺时针和逆时针方向转至最大和最小行程处，回至中位；
3. 扳机校准：将扳机分别向前和向后推至最大和最小行程，回至中位；
4. 按 BIND 键保存并退出校准模式。
   - 若校准成功按 BIND 按键可退出校准模式，蜂鸣器以音调 2 短响一声循环提示。
   - 若校准未通过，按 BIND 按键无效，即不能退出校准模式。

▶ 失控保护

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。本

发射机默认未设置时接收机通道无输出。

开机正常状态下，操作需要设置失控保护的通道对应的控件至预设的位置，再长按对码按键 3S，将当下输出的通道值设置为失控保护值。设置成功时，蜂鸣器以音调 1 长鸣一声提示。

注：

1. 若对码的是二合一电调接收机，失控后接收机自动进入刹车模式。
2. 重新对码时恢复默认设置。

▶ 模型切换

本发射机支持五组模型。

按住发射机的 CH6 键和 CH7 键并通电开机，即进入切换模型模式，切换成功后，蜂鸣器会以不同次数的音调提示，如下表所示：

模型	蜂鸣器（以音调 2）
模型 1	短鸣 1 次
模型 2	短鸣 2 次
模型 3	短鸣 3 次
模型 4	短鸣 4 次
模型 5	短鸣 5 次

注：模型切换成功后，高频恢复为双向模式，发射机进入待机模式。可循环切换。

▶ 初学者模式

本发射机支持初学者模式。

按住发射机的 CH6 键，将方向手轮沿逆时针方向打到最大行程处，并通电开机，可切换初学者模式与正常模式。若切换成功，D1 LED 指示灯绿色两闪一天循环 3S，蜂鸣器以音调 2 短响一声提示。

开机时可通过 D1 LED 灯状态和蜂鸣器声音来判断发射机的模式：若 D1 LED 指示灯绿色两闪一天 3S，蜂鸣器以音调 2 短响一声提示，为初学者模式；若 D1 LED 指示灯按绿、橙、红循环快闪 2S，则为正常模式。

注：

1. 切换为初学者模式后，油门舵量为正常模式的一半；
2. 关机保存设置。

▶ 恢复出厂

此功能用于将发射机恢复到出厂默认状态。

按住发射机的 REV 键和 CH7 键并通电开机，即恢复到出厂默认状态，设置成功时，D1 LED 红色快闪 3S，蜂鸣器以音调 2 长响两声提示。

Digital Proportional Radio Control System FS-MG7

▶ 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。

❗ 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。

产品规格

产品型号	FS-MG7
适配接收机	FS-R7D 等 ANT 协议接收机
适配模型	车、船
通道个数	7
无线频率	2.4GHz ISM
发射功率	< 20dBm
无线标准	ANT
通道分辨率	4096 级
低电压报警	< 4.2V
天线类型	内置单天线
输入电源	4~9V DC/AAA*4
工作电流	83mA/6V
遥控距离	> 150m(空旷 无干扰地面距离)
在线更新	无
温度范围	-10°C ～ +60°C
湿度范围	20% ～ 95%
外观颜色	黑色
外形尺寸	120.5*72.6*145.2mm
机身重量	134g
认证	CE, FCC ID: 2A2UNMG700

微信公众号　　　Bilibili　　　Website　　　Facebook

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Digital Proportional Radio Control System **FS-MG7**
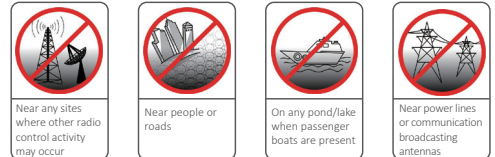
Thank you for purchasing the products of Flysky! To find out more about our products, visit our website at www.flysky-cn.com. If you encounter any problems during using,Please refer to the manual first. If the problem is still not resolved, contact your local dealer directly or contact the customer service 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:
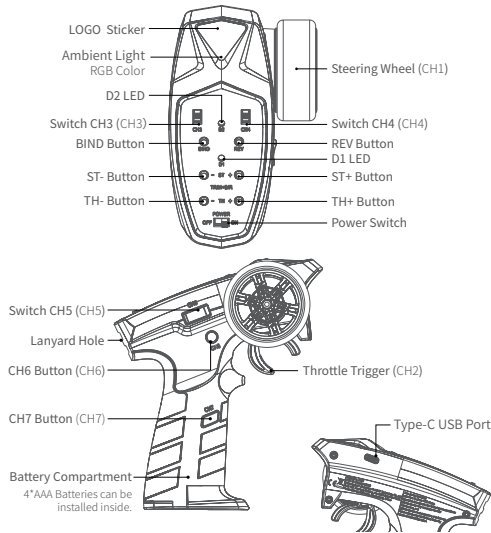
Near any sites where other radio control activity may occur	Near people or roads	On any pond/lake when passenger boats are present	Near power lines or communication broadcasting antennas

- Do not use the 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.
- Make sure that the receiver's battery is disconnected before turning off the transmitter. Failure to do so may lead to unintended operation and cause an accident.
- Ensure that all motors 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 antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other transmitter.End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying 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

- LOGO Sticker
- Ambient Light RGB Color
- D2 LED
- Switch CH3 (CH3)
- BIND Button
- ST- Button
- TH- Button
- Steering Wheel (CH1)
- Switch CH4 (CH4)
- REV Button
- D1 LED
- ST+ Button
- TH+ Button
- Power Switch

- Switch CH5 (CH5)
- Lanyard Hole
- CH6 Button (CH6)
- CH7 Button (CH7)
- Throttle Trigger (CH2)
- Type-C USB Port
- Battery Compartment
  4*AAA Batteries can be installed inside.

Basic Operations

▶ Install the AAA Battery

Follow the steps below to install the AAA batteries:
1. Remove the battery compartment cover as shown.
2. Insert 4 fully-charged AAA batteries into the compartment. Make sure that the batteries are well set according to the polarities marked on the battery compartment.
3. Replace battery compartment cover.

Press to slide the cover as illusrtated to open the cover.
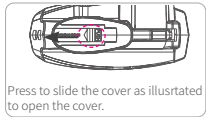
▶ Power On

Follow the steps below to turn on the transmitter:
1. Check to make sure that the batteries are fully charged and installed correctly.
2. Toggle the Power Switch to the ON position.
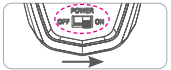
▶ Binding

The transmitter and receiver have been pre-bound before delivery. If you are going to rebind, follow the steps below to rebind. The transmitter supports two-way binding and one-way binding. The receiver will ruturn information after the two-way binding is finished.
1. Turn on the transmitter while pressing the BIND button, the transmitter will enter bind mode, at the time, the D1 LED flash fast in red.
2. Put the receiver to enter bind mode.
3. The binding process is completed when the LED of the receiver stops flashing and is solid on (The transmitter will exit the bind mode automatically).
4. Check to make sure the transmitter and receiver are working correctly, if there are any issues or unexpected operation arise, follow the steps above to bind again.

Notes:
1. If the transmitter enters bind mode with one-way mode, the LED of the receiver will be in slow flashing state. After the receiver LED becomes slow flashing, then restart the transmitter. At this time, the receiver LED is solid on, indicating the binding is successful.
2. The binding steps may vary according to the receiver model. Visit the Flysky official website to check the manual of the receiver or other relevant information.

▶ Stick Calibration

Calibrate the maximum and minimum travel of the steering wheel and throttle trigger. The factory calibration is completed. If you need to recalibrate the transmitter, please follow the steps below:
1. Turn the transmitter steering wheel clockwise to the maximum travel, push the throttle trigger forward to the maximum travel, and power it on. That is, enter the stick calibration mode. At this time, the D1 LED is solid on in red and the buzzer sounds once with Tone 1 cyclically.
2. Steering wheel calibration: Turn the steering wheel to the maximum and minimum travel in clockwise and counterclockwise respectively, then return to the neutral position.
3. Throttle trigger calibration: Push the throttle trigger forward and backward to the maximum and minimum travel respectively, then return to the neutral position.
4. Press the BIND button to save and exit the calibration mode.
   - If the calibration is successful, you can press the BIND button to exit the calibration mode, and the buzzer can sound once shortly with Tone 2 cyclically.
   - If the calibration fails, pressing the BIND button is invalid. That is, it is unable to exit the calibration mode.

▶ Failsafe

It is used for the safety of the model and the operator when the receiver cannot receive signals from the transmitter normally (out-of-control). By default, it is not set. In this case,

the receiver channel has no output.

In the normal power-on state, set the control corresponding to the channel to be configured with failsafe to the preset position. Then, press and hold the Bind button for 3S to set the channel value of the current output to the failsafe value. When the setting is successful, the buzzer will sound once for seconds with Tone 1.

Notes:
1. If the transmitter binds with a 2-in-1ESC receiver, the receiver will automatically enter the brake mode after out-of-control.
2. Restore to the default setting in case of re-binding.

▶ Switching Model

This transmitter supports 5 sets of models.

Press and hold the CH6 and CH7 buttons of the transmitter and power it on. That is, it enters the mode of switching model. When the switching is successful, the buzzer will sound at different times in prompt tones. See the following table.

Model	Buzzer (Sound in tone 2)
Model1	Sound once shortly
Model2	Sound twice shortly
Model3	Sound three times shortly
Model4	Sound four times shortly
Model5	Sound five times shortly

Note: After the model is switched successfully, the RF module changes into two-way mode, and the transmitter enters standby mode. Allow to switch cyclically.

▶ Beginner Mode

This transmitter supports the beginner mode.

Press and hold the CH6 button of the transmitter, turn the steering wheel to the maximum travel in counterclockwise, and power it on, to switch between beginner mode and normal mode. If the switching is successful, The D1 LED works in two-flash-one-off mode in green for 3S cyclically and the buzzer will sound once shortly with Tone 2.

In case of power-on, you can judge the mode of the transmitter according to the D1 LED status and buzzer sound: If the D1 LED works in two-flash-one-off mode in green for 3S cyclically and the buzzer sounds once shortly with Tone 2, it is the beginner mode; if the D1 LED quickly flashes green, orange and red for 2S, it is the normal mode.

Notes:
1. After switching to the beginner mode, the throttle D/R is a half of normal mode.
2. The setting will be save when the transmitter turns off.

▶ Factory Reset

This function is used to restore the transmitter to the factory default state.

Press and hold REV and CH7 buttons of the transmitter and power it on. That is, restore to the factory default state. When the setting is successful, the D1 LED quickly flashes red for 3S and the buzzer sounds twice for seconds with Tone 2.

▶ Power Off

Follow the steps below to turn off the transmitter:
1. Turn off the receiver first.
2. Toggle the transmitter's Power Switch to the OFF position to turn off the transmitter.

⚠ Make sure to disconnect the receiver power before turning off the transmitter. Failure to do so can result out of control. Unreasonable setting of the Failsafe may cause accidents.

Specifications

Product Name	FS-MG7
Adaptive RX	FS-R7D, receivers with ANT protocol
Channels	7
RF	2.4GHz ISM
Adaptive Models	Cars or boats
Maximum Power	< 20dBm (e.i.r.p.) (EU)
2.4GHz Protocol	ANT
Resolution	4096
Distance	>150m (Ground distance without interference)
Low Voltage Alarm	< 4.2V
Input Power	4~9V DC/AAA*4
Working Current	83mA/6V
Antenna	Built-in single antenna
Online Update	No
Temperature Range	-10°C ~ +60°C
Humidity Range	20% ~ 95%
Color	Black
Dimension	120.5*72.6*145.2mm
Weight	134g
Certifications	CE, FCC ID: 2A2UNMG700

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, [Flysky Technology co., ltd] declares that the Radio Equipment [FS-MG7] is in compliance with RED 2014/53/EU.

The full text of the EU DoC is available at the following internet address: www.flyskytech.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.

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

FCC ID: 2A2UNMG700

Manufacturer: ShenZhen FLYSKY Technology Co., Ltd.
Address: 16F, Huafeng Building, No. 6006 Shennan Road, Futian District, Shenzhen, Guangdong, China