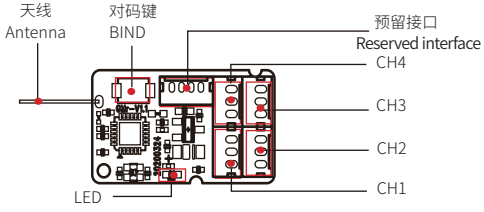
## 产品介绍 Introduction

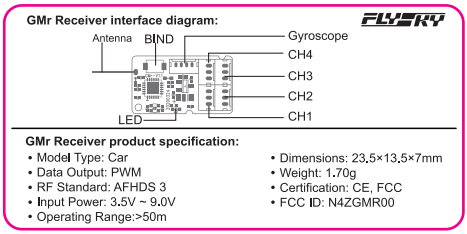
GMr 是一款 4 通道蚊车接收机，采用 AFHDS 3（第三代自动跳频数字系统），外置单天线双向传输，体积小巧，预留陀螺仪接口。

GMr is a 4-channel micro/mini car receiver, using AFHDS 3 (third-generation automatic frequency hopping digital system), single external antenna bidirectional transmission, micro size and reserved gyro interface.

## 接收机概览 Receiver overview




预留接口：陀螺仪接口
Reserved interface: Gyro connection




Tips：This label will be used on the PE bag.

## 产品规格 Product specification

- 产品型号：GMr
- PWM 通道：4
- 无线频率：2.4GHz
- 无线协议：AFHDS 3
- 遥控距离：>50m（地面）
- 天线类型：单天线 (32mm)
- 输入电源：3.5-9V
- RSSI：支持
- 数据输出：PWM
- 温度范围：-10°C—+60°C
- 湿度范围：20 ～ 95%
- 在线更新：支持
- 外形尺寸：23.5*13.5*7mm
- 机身重量：1.7g
- 安规认证：CE，FCC ID: N4ZGMR00

- Product Model: GMr
- PWM Channels: 4
- RF: 2.4GHz
- 2.4G Protocol: AFHDS 3
- Distance: >50m(ground)
- Antenna: Single Antenna(32mm)
- Input Power: 3.5-9V
- RSSI: Yes
- Data Output: PWM
- Temperature Range: -15°C—+60°C
- Humidity Limit: 20%-95%
- Online Update: Yes
- Dimensions: 23.5*13.5*7mm
- Weight: 1.7g
- Certification: CE，FCC ID: N4ZGMR00

## 对码 Binding

1. 按住接收机对码键同时给接收机上电，上电后松开；
   • LED 灯快闪表示进入对码状态 .
2. 将发射机进入对码状态；（发射机进入对码状态的方式可能不同，请根据发射机的使用说明书进行操作）
3. 接收机指示灯常亮表示对码成功。
   • 若发射机是单向，则当接收机指示灯慢闪时手动退出发射机，指示灯常亮，表示对码成功。
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。

1. Press and hold the receiver Bind button while powering on the receiver, then release button after powering on.
   • The receiver's LED flash quickly indicating that it has entered bind mode.
2. Put the transmitter into bind mode.(See the transmitter's instruction manual for more information)
3. Binding is successful when the receiver's LED stop flashing.
   • If the transmitter is one-way transmission, manually exit the transmitter when the receiver status indicator flashes slowly, Binding is successful when the receiver's LED stop flashing.
4. Check to make sure that the transmitter and receiver are working as expected, if there are any issues or unexpected operation follow the steps above to bind again.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## 强制更新 Forced update

发射机在更新完后，如无法与接收机对码，需强制更新接手机。
1. 按住对码键同时给接收机上电，长按 10S, 接收机进入强制更新状态，此时 LED 三闪一灭；
2. 在发射机端选择接收机更新并进入更新状态，更新过程中 LED 三闪一灭；
3. 当发射机端显示 100% 即为更新成功，此时 LED 慢闪。

If after an update the transmitter is unable to connect or bind to the receiver, it is necessary to put the receiver into forced update mode.
1.Press and hold the Bind button while powering on the receiver simultaneously, press and hold for 10 seconds to enter forced update mode, during this time the LED flashes three times and off one time;
2. Select the receiver to update on the transmitter side to enter the update mode;the LED flashes three times and off one time during the updating process;
3. updating is successful when the receiver status indicator flashes slowly.

## 失控保护 Failsafe

失控保护功能用于在接收机失去信号不受控制后，保护模型及人员安全。

请在发射机端设置失控保护，设置方法请参照对应的发射机说明书。

This function protects the user by preventing the model from behaving unexpectedly if signal is lost.

Make sure to setup the failsafe function on the transmitter. For more information on setting up the failsafe refer to the transmitter's user manual.

## 兼容性 Compatibility

该接收机兼容 PL18、NB4 和 NB4 Lite 等 AFHDS 3 协议发射机

The receiver is compatible with PL18/NB4 and NB4 Lite all of transmitters which with AFHDS 3 protocol .

**► 注意事项：**

- 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。如果关闭发射机电源时接收机仍然在工作，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。
- 确保接收机安装在远离电机，电子调速器或电子噪声过多的区域。
- 接收机天线需远离导电材料，例如金属棒和碳物质。为了避免影响正常工作，请确保接收机天线和导电材料之间至少有 1 厘米以上的距离。

**► Attention:**

- Make sure the product is installed and calibrated correctly, failure to do so may result in serious injury.
- Make sure the receiver's battery is disconnected before turning off the transmitter, failure to do so may lead to unintended operation or loss of control.
- Make sure the receiver is mounted away from motors, electronic speed controllers or any device that emits excessive electrical noise.
- Keep the receiver's antenna at least 1cm away from conductive materials such as carbon or metal.


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## 认证相关 Certification

**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 [GMr] is in compliance with RED 2014/53/EU.
The full text of the EU DoC is available at the following internet address: www.flysky-cn.com.

**RF Exposure Compliance**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**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： N4ZGMR00


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