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FS GMR00 Mini 4-channel receiver User Manual

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Contents

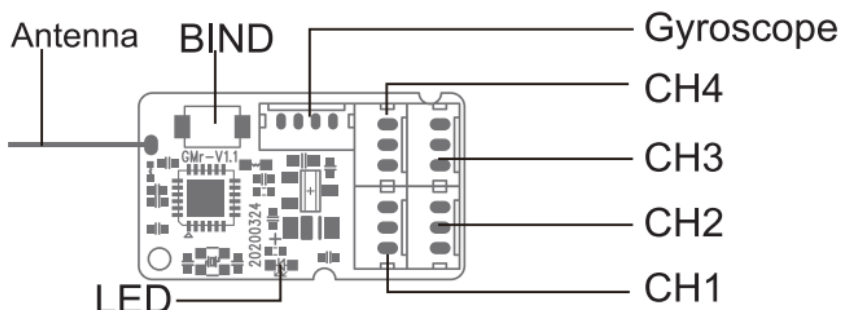## Introduction

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

Receiver overview
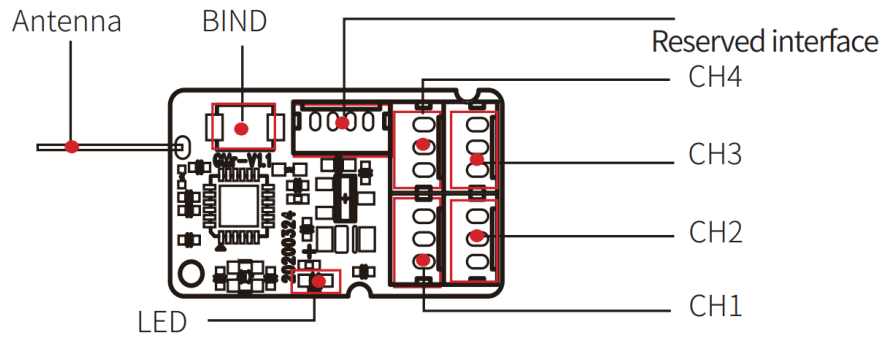
Reserved interface: Gyro connection

GMr Receiver interface diagram:

GMr Receiver product specification:

- Model Type: Car
- Data Output: PWM
- RF Standard: AFHDS 3
- Input Power: 3.5V — 9.0V c
- Operating Range:>50m
- Dimensions: 23.5x 13.5x7mm
- Weight: 1.70g
- Certification: CE, FCC
- FCC ID: N4ZGMR00

Tips This label will be used on the PE bag.

Product specification

- **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℃—+60℃
- **Humidity Limit**: 20%-95%
- **Online Update**: Yes
- **Dimensions**: 23.5*13.5*7mm
- **Weight**: 1.7g
- **Certification**: CE FCC ID: N4ZGMR00

Binding

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.

Forced update

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

Failsafe

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.

Compatibility

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

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 material such as carbon or metal.

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 televisio 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.

Documents / Resources

	FS GMR00 Mini 4-channel receiver [pdf] User Manual GMR00 Mini 4-channel receiver, Mini 4-channel receiver, 4-channel receiver

References

- **FlyskyRC**