

5.7 Fail-Safe

This function protects the model and operator by outputting pre-set channel values when the receiver loses the transmitter signal.

Upon signal loss, CH2 Fail-Safe is enabled by default, commanding the ESC to brake. CH1 and CH3 maintain their last output. If CH1/CH3 Fail-Safe values have been set on the transmitter, those values are output instead. Simultaneously, the left and right model lights will flash slowly as a warning.

You can set Fail-Safe output values for other channels (CH1 and CH3) on the transmitter.

Setting Steps:

With the transmitter powered on and operating normally, first move the control corresponding to the channel you wish to set (e.g., steering wheel, switch) to the desired Fail-Safe position, then press and hold the BIND button for 3 seconds. The G.LED will flash rapidly and then turn off to indicate the setting is saved.

Note: Fail-Safe settings revert to default when the transmitter and receiver are re-bound.

5.8 Low Voltage Alert

The system issues an alert when low voltage is detected to prevent prolonged operation under insufficient power, which could lead to unexpected issues.

- When the detected voltage drops below 4.2V (for AA batteries), the system enters Low Battery Alert status, indicated by the G.LED flashing slowly.
- When the voltage is critically low (below 3.5V), the RF signal is disabled.

5.9 Beginner Mode

Beginner Mode is ideal for new users, enhancing operational safety by limiting the throttle output range. In this mode, the throttle output is reduced to 50%, meaning the default CH2 channel range is set to 1250~1500~1750μs.

Setting Steps:

To switch between Beginner Mode and Normal Mode: Hold down CH4 (SW2), simultaneously rotate the steering wheel fully counterclockwise, and then power on the transmitter. If the G.LED flashes alternately for 3 seconds, it indicates a successful switch to Beginner Mode. In Normal Mode, the G.LED remains off.

Note: The factory default is Normal Mode. The current setting is saved when the system is powered off.

5.10 Factory Reset

This function restores all End Point Adjustment settings to their factory default values.

Setting Steps:

Simultaneously press and hold the BIND and CH4 buttons, then power on the transmitter.

The RX.BATT indicator will flash green rapidly for 2 seconds, confirming that the settings have been restored to their default values.

Note: This function resets only the End Point Adjustment values to their factory defaults.

6、Product Specifications

This section contains the specifications for the FS-BM-MG41-BS transmitter.

Product Model	BM-MG4-BS
Compatible Receiver	BM-R4V-ESC-BS
Compatible Model	1/28 Scale Drift Car
Number of Channels	4
Radio Frequency	2.4GHzISM
Transmit Power	<20dBm
Radio Protocol	2A-BS
Control Range	≥ 60m (open ground, no interference)
Channel Resolution	4096 steps
Power Input	4 x AAA batteries
Low Voltage Alert	<4.2V
Antenna Type	Built-in single antenna
Charging Port	None
Firmware Update	Not supported
Data Interface	None
Operating Temperature	-10°C—+60°C
Operating Humidity	20%—95%
Dimensions	118mm*73mm*145mm
Certifications	CE, FCC ID:N4ZMG400

7、Package Contents

This section contains the packaging list information for the FS-FMS-MG6-BS transmitter. For specific details, please consult your distributor.

8、Certifications

8.1 DoC Declaration

Hereby, [ShenZhenFLYSKYTechnologyCo., Ltd.] declares that the radio equipment [FS-BM-MG41-BS] is in compliance with Directive 2014/53/EU (RED).

The full text of the EU Declaration of Conformity is available at the following internet address:
www.flyskytech.com/info_detail/10.html

8.2 CE Warning

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 rfexposure compliance.

8.3 FCC Statement

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.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example use only shielded interface cables when connecting to computer or peripheral devices).

This equipment 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.

The distance between user and the Receiver product should be no less than 20cm

Caution!

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.

1. Move all your channels to the desired position.
2. Select [All channels] and then [Yes] in the confirmation box.

8.4 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

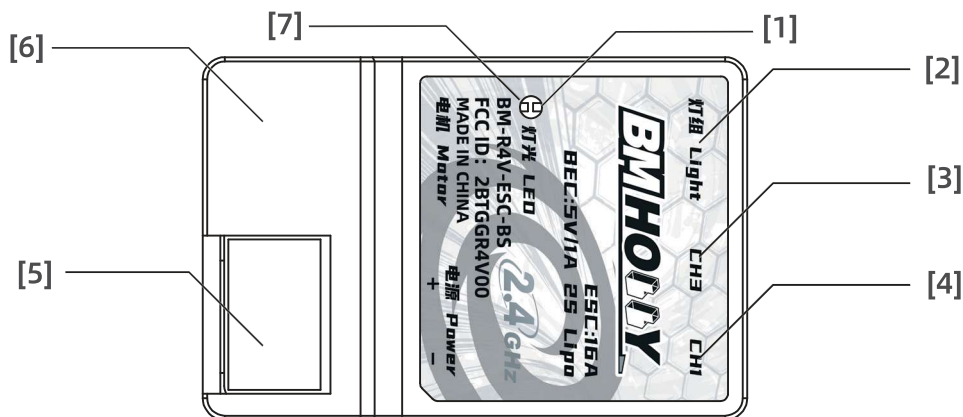
RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS



1、Receiver Product Overview

This product is an all-in-one receiver featuring a 4A Brushed ESC, head/taillight control, and a gyro function, designed for 1/28 scale drift cars.

2、Receiver Diagram



[1] Gyro Indicator (Red)	[2] Light Connector
[3] CH3 Port	[4] CH1 Port
[5] Battery Port	[6] Motor Port
[7] Receiver Indicator (Green)	

3、Product Specifications

Product Model	BM-R4V-ESC-BS
Compatible Transmitter	FS-BM-MG41-BS
Compatible Model	1/28 Scale Drift Car
Radio Frequency	2.4GHzISM
Transmit Power	<20dBm
Compatible Motor	030 Brushed Motor
BEC Output	5V/1A
Continuous/Peak Current	4A/16A
Number of Channels	3
Number of Light Groups	4
Antenna Type	External single antenna
Operating Voltage	2S Li-Po Battery (6.0~8.4V)
Channel Resolution	4096 steps
Control Range	60m (open ground, no interference)
Data Output	PWM
Operating Temperature	-10°C~+60°C
Operating Humidity	20%~95%
Firmware Update	Not supported
Dimensions	35*22*8mm
Certifications	CE, FCC ID: 2BTGGR4V00