

遥控器 & 接收机使用说明书

Remote Control & Receiver User Manual

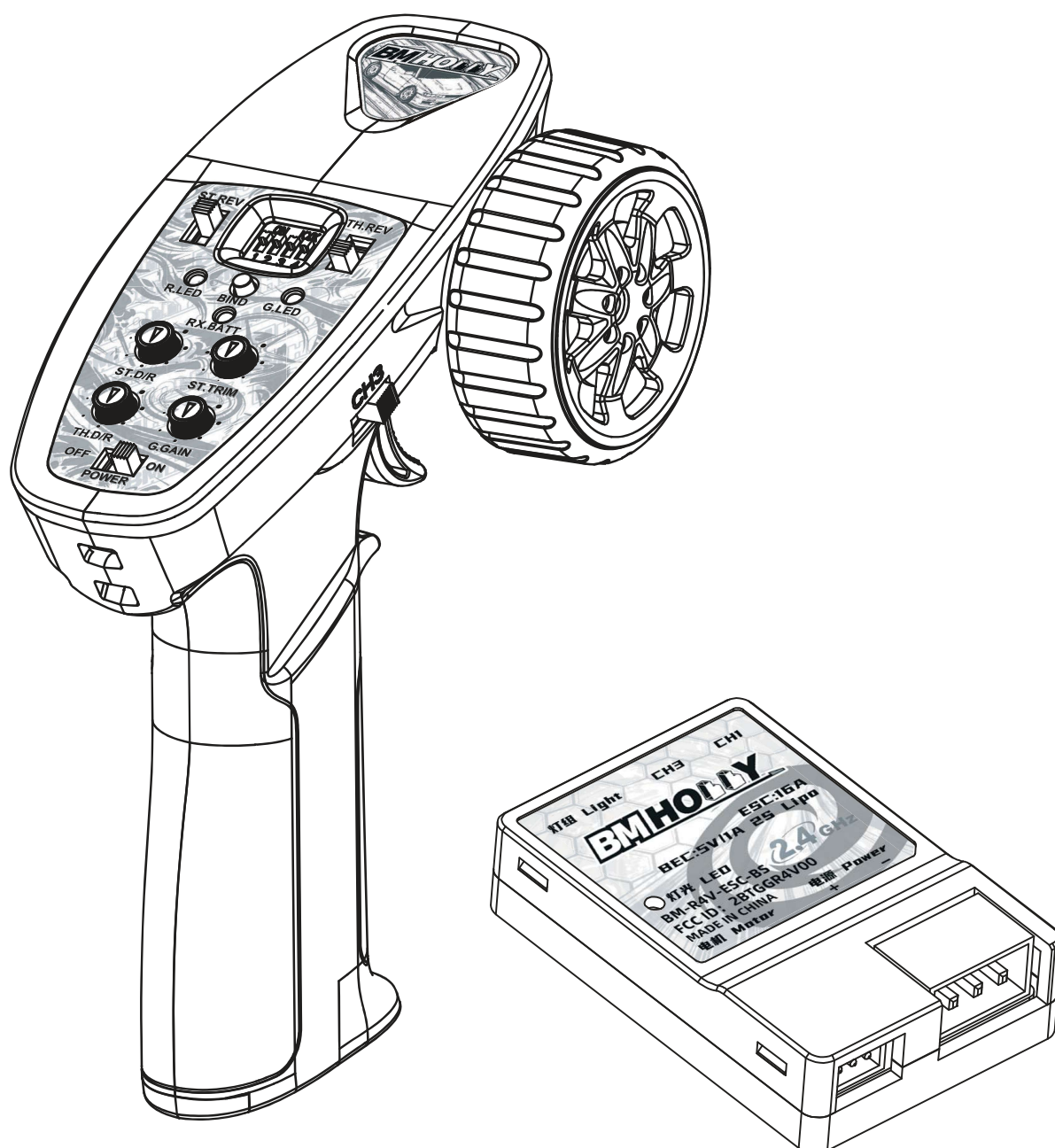


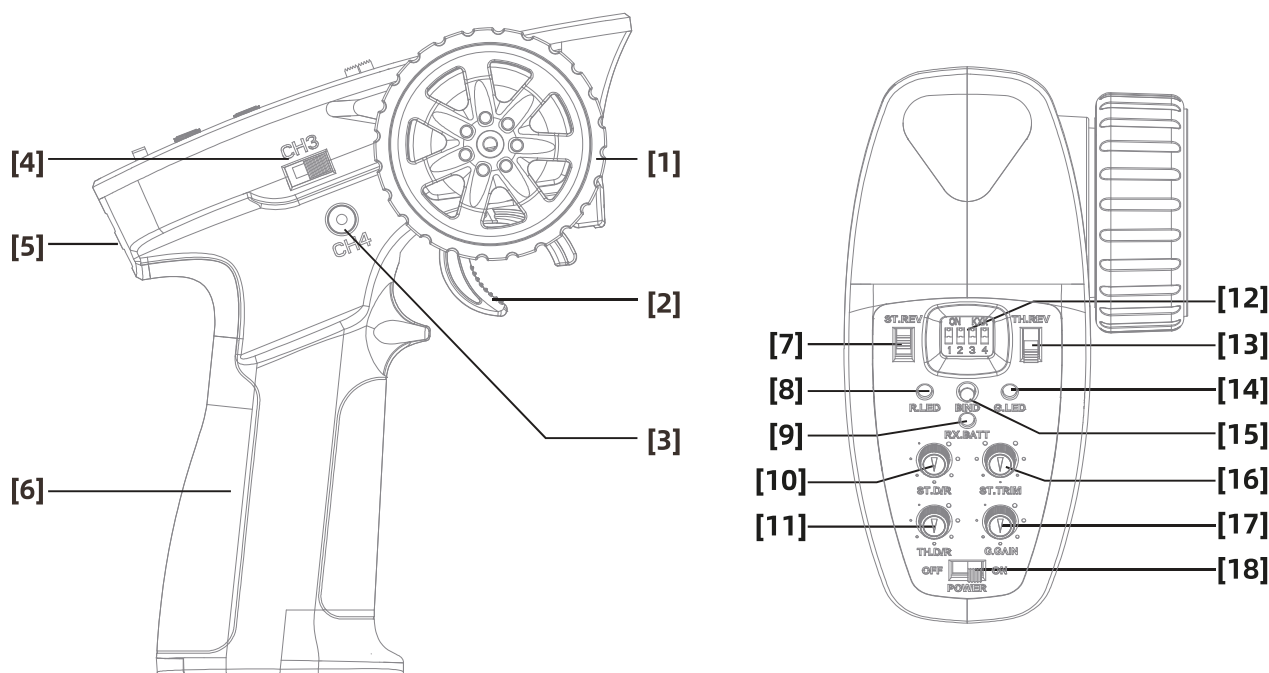
Table of Contents

1. Transmitter Product Overview	1
2. Signal Repeater/Reflector Module Overview	1
3. Before-Use Preparation	1
3.1 Transmitter Antenna	1
3.2 Transmitter Battery Installation	2
4. Operating Instructions	3
4.1 Power On	3
4.2 LED Indicators	3
4.3 Binding	3
4.4 Stick Calibration	4
4.5 Power Off	4
5. System Features	5
5.1 Channel Configuration	5
5.2 Channel Reverse	5
5.3 Trim	5
5.4 End Point Adjustment	5
5.5 ESC Parameter Settings	6
5.6 Gyro Function Settings	6
Steering Sensitivity Adjustment	6
Gyro Direction Setting	6
5.7 Fail-Safe	6
5.8 Low Voltage Alert	7
5.9 Beginner Mode	7
5.10 Factory Reset	7
6. Product Specifications	8
7. Package Contents	8
8. Certifications	8
8.1 DoC Declaration	8
8.2 CE Warning	8
8.3 FCC Statement	9
8.4 Environmentally friendly disposal	9
BM-R4V-ESC-BS Receiver Operation Manual	10
1. Receiver Product Overview	10
2. Receiver Diagram	10
3. Product Specifications	10
4. LED Status	11
5. Binding	11
6. Protection Features	11
7. ESC & Motor Introduction	11
7.1 ESC	11
7.2 Motor	11
8. Gyro Function Introduction	12
8.1 Calibration	12
8.2 Direction Setting	12
8.3 Sensitivity Adjustment	12
9. Light Control	11
9.1 Light Mode	12
9.2 Mode Switching	12
9.3 Retractable Lights	12
9.4 Light Status	13
10. Fail-Safe	13

1、Transmitter Product Overview

This system adopts the 2.4GHz 2A-BS protocol and consists of the FS-BM-MG41-BS transmitter and the BM-R4V-ESC-BS receiver. It supports bi-directional communication, offers 4-channel output, and features a lightweight, ergonomic design for comfortable handling. It allows for direct gyro parameter adjustment via the transmitter and is specifically designed for use with model RC cars.

2、Signal Repeater/Reflector Module Overview



[1]	Steering wheel with 35° rotation in each direction (CH1)	[10]	Steering End Point Adjustment Knob (ST.D/R)
[2]	Throttle trigger with 25° forward and 12.5° backward travel (CH2)	[11]	Throttle End Point Adjustment Knob (TH.D/R)
[3]	CH4 Toggle Switch (Momentary/On-Off Function)	[12]	DIP Switch (Selects ESC Operating Mode)
[4]	3-Position Toggle Switch (CH3)	[13]	Throttle Reverse Switch (TH.REV)
[5]	Lanyard Hole	[14]	Status Indicator Green LED (G.LED)
[6]	Grip, 4xAAA Battery Compartment	[15]	Binding Button (BIND)
[7]	Steering Reverse Switch (ST.REV)	[16]	Steering Trim Knob (ST.TRIM)
[8]	Power Indicator (Red LED) (R.LED)	[17]	Gyro Sensitivity Adjustment (G.GAIN)
[9]	ESC Battery Level Indicator (Dual-Color LED) (RX.BATT)	[18]	Power Switch

Note: The four-position DIP switch is configured as follows:
 Position 1: Sets the ESC operating mode.
 Position 2: Sets the gyro direction (normal/reverse).
 Position 3: Reverses CH3 output.
 Position 4: Enables/disables mixing between CH3 and CH4.

3、Before-Use Preparation

3.1 Transmitter Antenna

The transmitter is equipped with a built-in antenna. The antenna activates automatically when the transmitter is powered on and requires no user operation.

3.2 Transmitter Battery Installation

	WARNING	Use only batteries specified by the manufacturer.
	WARNING	Do not open, disassemble, or attempt to repair the battery.
	WARNING	Do not crush, puncture, or short-circuit the battery terminals.
	WARNING	Do not expose the battery to high temperatures, fire, or liquids.
	WARNING	Take care to prevent dropping, striking, or excessive vibration of the battery.
	WARNING	Store the battery in a dry and cool environment.
	WARNING	If the battery is damaged, stop use immediately.

Battery Type: AAA batteries

Please follow the steps below to install the transmitter batteries:

1. Open the battery compartment cover.
2. Insert 4 fully charged AAA batteries into the compartment.
Ensure the battery terminals align with and contact the terminals inside the compartment.
3. Close the battery compartment cover securely.

Low Battery Alarm: When the battery voltage drops below 4.2V, the G.LED on the panel will blink slowly as a warning.

Note: When installing batteries, please pay attention to the positive (+) and negative (-) terminals to avoid incorrect installation (as shown in the right figure).

