

# **S8 GYRO**

## **3 CHANNEL REMOTE CONTROL HELICOPTER**



# **1**

## **INSTRUCTION MANUAL**

**IMPLEMENT STANDARD: GB/T26701-2011**

### ***Helicopter Features***

- Special Aluminium alloy durable body for a good resistance to mill and stable flight. It is suitable for indoor flight.
- A sophisticated built-in gyroscopic auto-stability system for smooth and stable flying.
- Model design structured, easy operation and maintenance.

All material, dimensions and spare parts included in this instruction are for reference only. The company is not responsible for any changes printed parts and notify consumer. Any updated or changed please refer to our website [www.symatoys.com](http://www.symatoys.com).

# PREFACE

Dear customers:

Thank you for purchasing our flying model. Please read this instruction manual carefully in order to master the skill more quickly and operate this product more safely. In the mean time, please well keep the original of this instruction manual for future reference.

## IMPORTANT INSTRUCTION

1. Please refer to our instruction manual before flying your helicopter in order to avoid personal injury and property damage. The company is not responsible for any accidents and damages resulting from the consumer improper operation.
2. This model not suitable for children who under 14 years.
3. Please fly it in safely and legal environment.

## SAFETY & CAUTIONS

This R/C flying model is high dangerous commodity. please make sure the helicopter flying far away from the crowd. For safely flying and avoid the damage, accident happen due to your own negligence, please pay more attention to the phenomenon such as incorrectly assemble, connection and operation of electronic control equipment.

1. Keep it far away from the barrier and crowd.
2. Keep it far away from the moist environment.
3. Use this product correctly and avoid operating by your own.
4. Keep it far away from the high-speed rotating part and heat source.
5. Please conform to the sequence of power ON/OFF. In incorrect sequence of power ON/OFF will cause this product out of control, affect yourself and others safety. Please form a good habit of switching on and switching off for this product operation correctly.

## CONTENTS

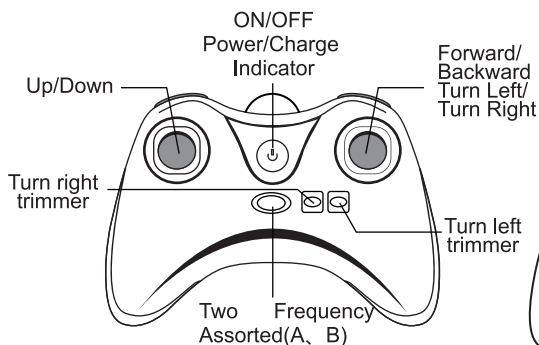
Product included following contents:

- Helicopter
- Transmitter
- Tail blade
- Instruction manual
- Screwdriver
- USB cable

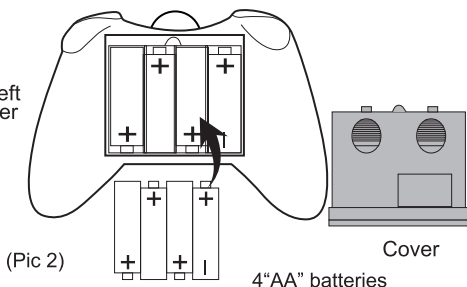
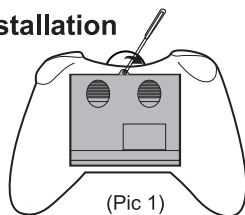


# GET TO KNOW YOUR TRANSMITTER

## Controller instruction



## Battery Installation

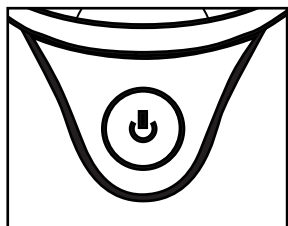


Your helicopter is delivered with fully assembled, and requires 4"AA" batteries to be installed in the controller.

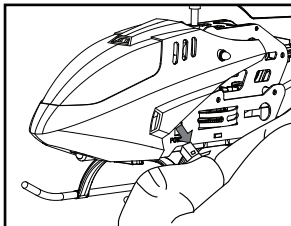
Unloosen the screw and take out the battery cover (pic 1).

Install 4"AA" batteries inside the battery compartment, be aware of the polarity should be correctly connected. (pic.2)

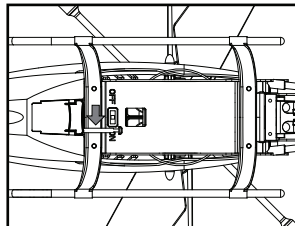
# READY TO FLY YOUR HELICOPTER



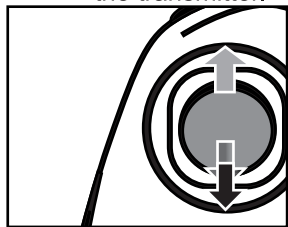
Step 1: Press the power switch to turn on the transmitter.



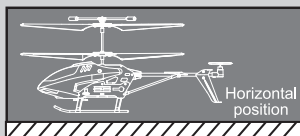
Step 2: Plug into helicopter interface



Step 3: Turn on your helicopter.



Step 3: Transmitter indicator blinks for about 10-20 seconds to match signal. When finish matching, it keeps light on. please push the left lever fully forwards then fully backwards to ready flight.

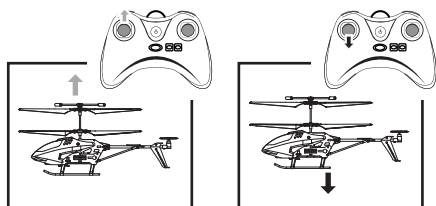


**TIPS:** When matching signal, keep the helicopter on horizontal position for faster matching and starting start a stable flight.

# FLIGHT CONTROL

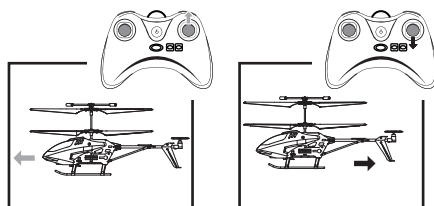
## Hover up and down

When the helicopter flies steadily, you can slowly push the throttle stick up to make helicopter fly higher, or release the stick a bit to make helicopter fly lower. Only small amounts of stick position change are required for smooth flying.



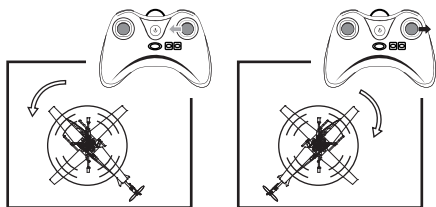
## Forward and backward

When you push up the right control lever (steering rudder), the nose incline to down, the helicopter is moving to forward. When you push down the right control lever (steering rudder), the nose incline to up, the helicopter is moving to backward.



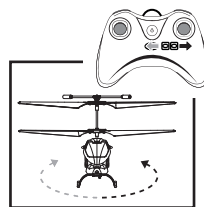
## Turn Left and Right

Hold the helicopter at a height. Push the rudder stick toward left to turn counter clockwise, and push the rudder stick toward right to turn clockwise.



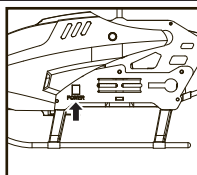
## Turn right/left calibration trim

If helicopter rotates counter-clockwise... Continually push right R/C calibration until excessive turning stops.  
If helicopter rotates clockwise...Continually push right R/C calibration until excessive turning stops.



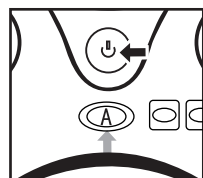
## Searching light

When plug into the helicopter interface. the searching light at the front of helicopter will light on.



## Button Description

A/B band selector: system regards to band "A" when controller turned on. press button "A" for 2 seconds till indicator lights flash twice,controller enter into bank "B", press button "A" for 2 seconds, indicator lights flash one time,controller back to band "A".

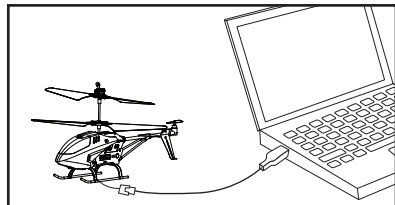


## HELICOPTER CHARGING

Charging helicopter with USB:

Take out the USB charging wire, connect the USB wire to the computer interface. then connect the other USB charging wire to the helicopter interface.

During charging, the indicator of USB charging wire will be OFF. When it fully charged, the indicator will be ON.



Charging time: about 40 minutes — Flying time: about 5 - 6 minutes!

Note: Make sure helicopter power switch to OFF position when charging.

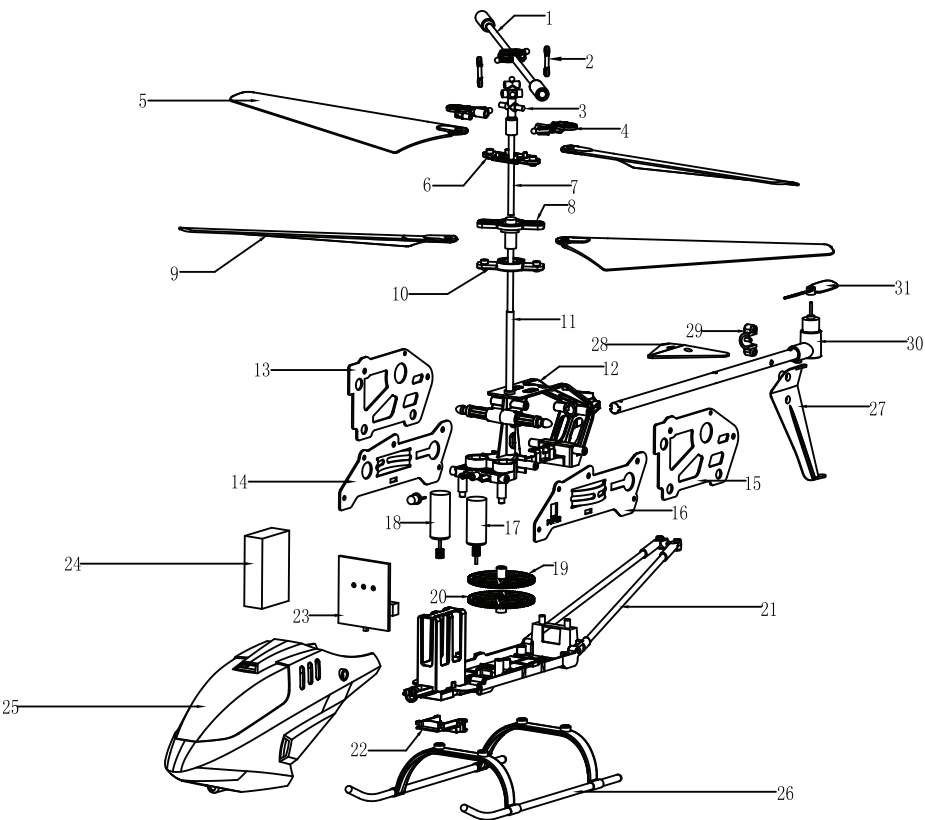
## BATTERY CAUTIONS

1. Keep the battery away from fire and heating sources. It could damage the battery or cause it to explode.
2. Keep the helicopter and the battery away from water.
3. Only charge the helicopter with the provided charger.
4. Do not remove or dismantle the built-in battery.
5. Do not leave unattended when charging.

## MAINTENANCE BATTERIES

1. keep the battery in a 18—25°C cool dry environment.
2. To keep the batteries service life, don't make it discharge and charge repeatably, don't over discharge.
3. Please make batteries full charging when keep in long time.
4. Regular check the batteries voltage, if the voltage lower than 3v, make it full charging.

BREAKDOWN & DIAGRAM



Code	Description	Quantity	Code	Description	Quantity	Code	Description	Quantity
01	Balance Bar	1	13	upper right metal frame	1	25	Head cover	1
02	Connect buckle	2	14	Under right metal frame	1	26	Landing skid	1
03	Main shaft base	1	15	upper left metal frame	1	27	Flat tail decoration	1
04	Top blades locker	2	16	Under left metal frame	1	28	Dangle tail decoration	1
05	Top blades	2	17	Top blades locker main motor	1	29	Tail decoration connect parts	1
06	Top blades base	1	18	Under blades locker main motor	1	30	Tail assembly	1
07	Spindle	1	19	Top blade gear	1	31	Tail blade	1
08	Under blades locker	1	20	Under blade gear	1	32		
09	Under blades	2	21	Tail support pipe	2	33		
10	Under blades base	1	22	Battery cover	1	34		
11	2.5 stainless steel pipe	1	23	Receiver board	2	35		
12	Main frame	1	24	Battery	1	36		

# SPARE PARTS

All the spare parts below can bought from local distributor.



S8-01A  
Headcover A-  
black



S8-01B  
Headcover B-  
green



S8-02A  
Tail Decoration A  
-black



S8-02B  
Tail Decoration B  
-green



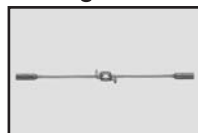
S8-03A  
Main blades



S8-03B  
Tail blade



S8-04  
Main frame



S8-05A  
Balance bar



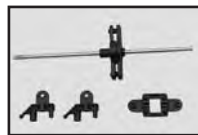
S8-05B  
Connect buckle



S8-06  
Undercarriage



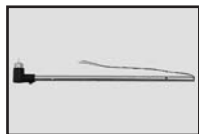
S8-07  
Gear



S8-08  
Blade locker



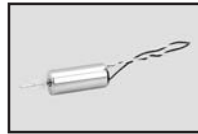
S8-09  
Main shaft base



S8-11  
Chopper tail  
unit module



S8-12  
Metal frame



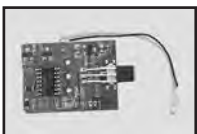
S8-13A  
Motor A



S8-13B  
Motor B



S8-14  
Battery



S8-15  
Receiver board



S8-16  
USB charger  
cable

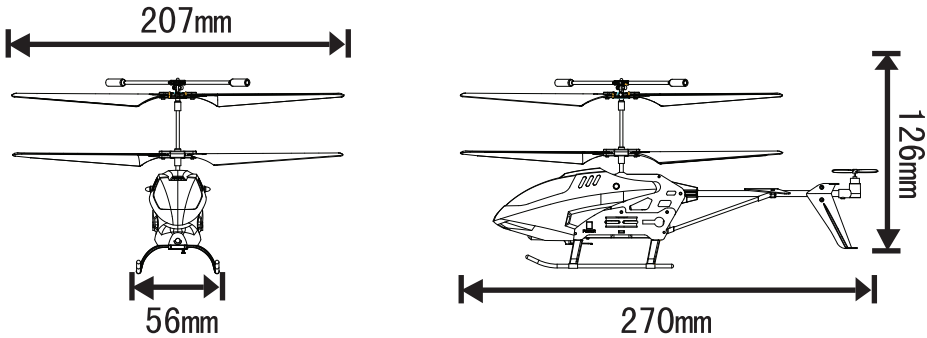


S8-17  
Transmitter

# TROUBLESHOOTING

Problem	Reson	Solution
No response from the helicopter	1.Insufficient power with the helicopter. 2.Insufficient power with the transmitter, power indicator keeps flashing. 3.The band of the transmitter does not correspond to the decoding of the helicopter.	1.Please charge to the helicopter. 2.Replace the battery inside the transmitter. 3.Adjust the band on the transmitter and keep it the same as the helicopter.
If the helicopter is slow to respond or difficult to manoeuver	1.Insuffcient power with the transmitter. 2.Transmitter of the same frequency is used nearby.	1.Replace the battery. 2.Use the helicopter out of the range of other RC helicopters.

# MAIN PARAMETER



Body length: 270mm

Body width: 56mm

Body high: 126mm

Main blade diameter: 207mm

Main motor code: \$ 7

Battery: 3.7V 150 mAh Li-poly



SPECIFICATIONS AND COLORS OF CONTENTS MAY VARY FROM PHOTO.