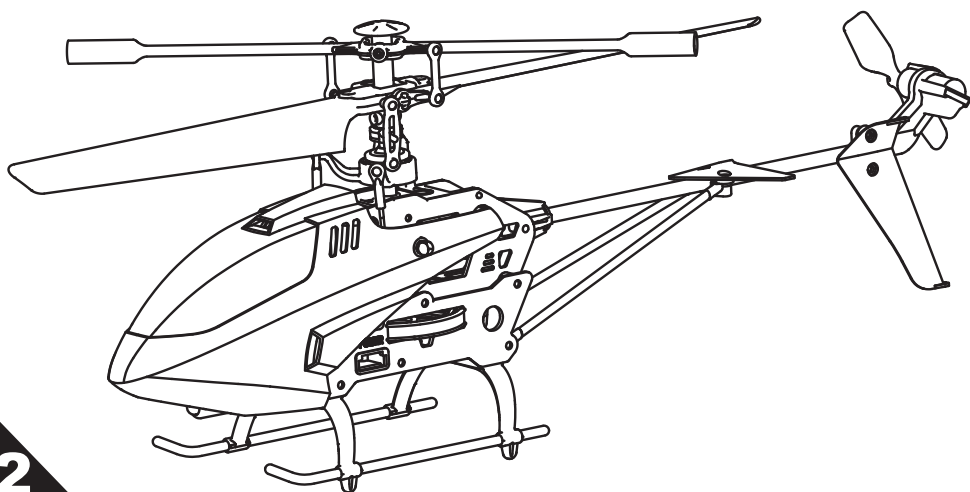


F4 2.4G



Gyroscope System



2

2.4G R/C Helicopter

Main characteristics

- Single blade structure is applied, makes the action of this helicopter more flexible with stable flying performance. It can be flown indoor or outdoor.
- Built-in Gyro stabilizer can ensure accurate positioning in the air.
- Modular design structure is applied, more simple for assembly and convenient for maintenance.

The materials and specification mentioned in this instruction manual or the parts inside this package is for reference only. Our company won't be responsible for any adaption of the outer package. Nor shall we keep our customers informed in advance. Any information updated or changed, please be subject to the website of Syma flying model company.

PREFACE

Dear customers:

Hello!

Thank you for purchasing our flying model. Please read this instruction manual carefully in order to master the skill required 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. This product is not a toy but one precise equipment that integrating mechanics and electronics with expertise of aerodynamics and high-frequency transmitting. It requires to be correctly assembled and debugged so as to prevent the accident from being happened. The product owner should operate or control it in safe way. Please noted that we won't take any responsibility for any wrong operation as this may result in severe injury or loss of property and we can not control the operating process during the time when the user assemble or use this product.
2. This product is suitable to be used by people who has operating experience in flying model or age no less than 14 years old.
3. The flying ground we required should be the local field and legal for remote control flying.
4. Once this product is sold, we won't be responsible for any safety responsibility during the time the user operates or uses or controls this product.
5. If there is any problem occurred during the time of using, operating or repairing, please reach our sales agent for details. The sales agent that we authorized will provide you with the technical support and after-sale service.

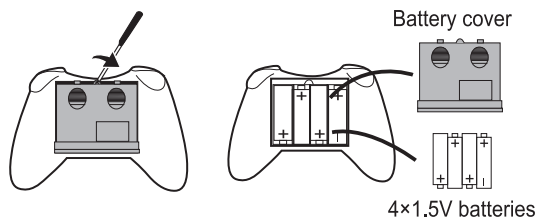
SAFETY & CAUTIONS

This R/C flying model is one high dangerous commodity. Please make sure that it should be flied far away from the crowd. Please also pay more attention to the phenomenon such as incorrect assembly or damaged model or incorrect connection of electronic control equipment. Please also pay attention to the flying safety when operating and know more about the accident that may be happened due to your own negligence.

1. Keep it far away from the barrier or crowd.
2. Keep it far away from the moisten 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. As the picture below shown, incorrect sequence of power ON/OFF may cause this product out of control and affect your own safety or others. Please form a good habit of switching on or switching off this product correctly.

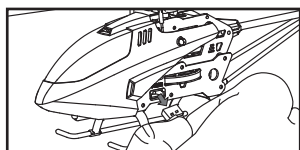
BATTERY INSTALLATION

Battery Installation

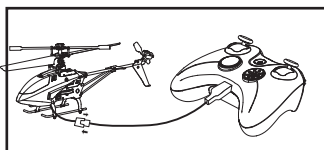


Unscrew and remove battery cover from R/C unit, insert 4 'AA' batteries, noting polarity indicators. Replace battery cover.

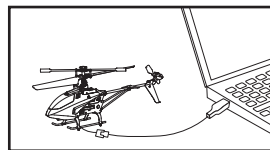
CHARGING HELICOPTER



A. Pull out the battery line from helicopter



B. Remote control charging



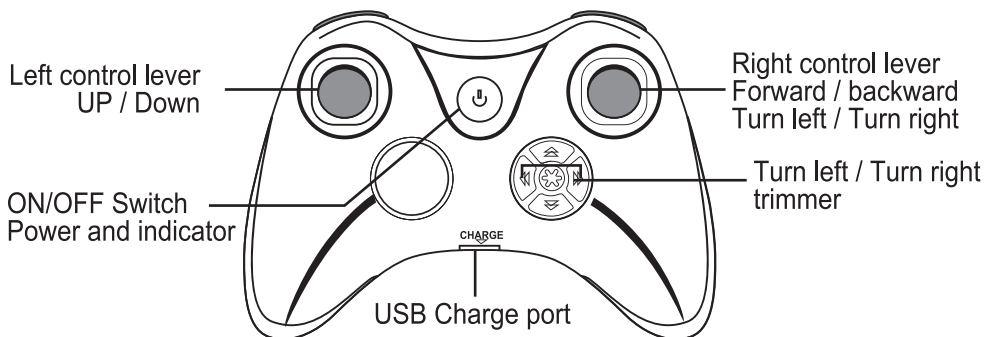
C. Computer charging

WHEN CHARGING BE SURE TO TURN THE SWITCH ON HELICOPTER TO "OFF"

Take out the USB charging wire, connect one end to the battery wire, then insert the USB port to the USB port of the remoter or the computer to charge the battery. During the time of charging, the indicator of USB charging wire will be ON. When it fully charged, the indicator will be OFF.

Charging it for 40-50 minutes and you can fly about 5 minutes!

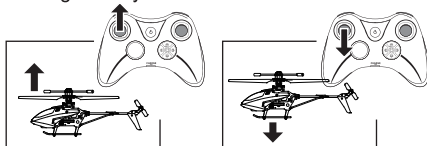
GET TO KNOW YOUR TRANSMITTER



BATTERY LOADING FOR HELICOPTER AND READY TO FLY

Hover up and down

Learn how to hover (fly in place) first-once you've mastered this operation, flying is easy. Once you can hover, try moving up and down with the throttle stick (left). Move the throttle stick gradually.



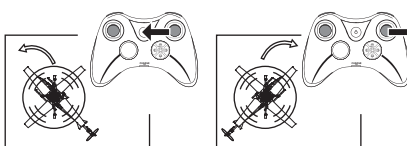
Forward

Push the right control throttle up - the nose of helicopter will point downward, the tail motor will activate, and the helicopter will fly forward.



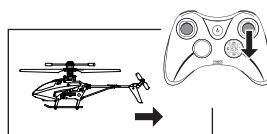
Turn left, turn right

Pull the direction control lever to the left or to the right, the helicopter will turn to the left or to the right.

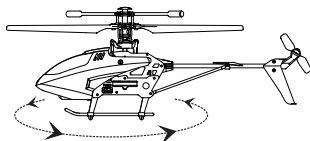


Reverse

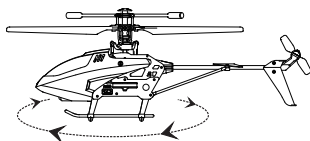
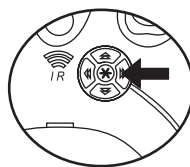
Pull right control throttle down - the nose of helicopter will point upward, the tail motor will activate, and the helicopter will fly backward.



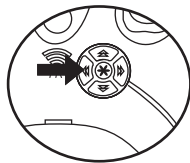
Calibration Trim Control: if the helicopter is turning excessively to the right or left, or turning out of control, adjust the trim control button using the instruction below.



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



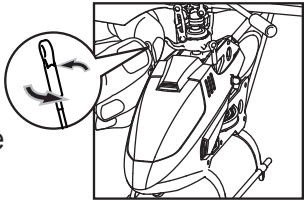
If helicopter rotates clockwise...Continually push left R/C calibration until excessive turning stops.



If helicopter still turn excessively to forward or backward after calibration trim adjustment, please rotate the steering engine pull rod seconds to make sure the balance of swashplate.

Specific operation as follows:

If helicopter fly forward when hovering, please take down steering engine pull rods than rotate them counter-clockwise one or two circles. If helicopter fly backward, please rotate them clockwise (Details as shown in figure).



OVERHAUL

Problem	Reason	Solution
No response from the helicopter	<div>1. The battery power of helicopter is lacking.</div> <div>2. The indicator will be blinking when battery power of remoter is lacking.</div> <div>3. The indicator light in helicopter is keep flashing.</div>	<div>1. To charge the helicopter.</div> <div>2. To change the batteries of remoter.</div> <div>3. Turn off the remoter than open it and rematch signal again.</div>
The helicopter's response is not smart.	<div>1. No welding antenna or the welding is bad.</div> <div>2. The battery power of remoter is lacking.</div> <div>3. Too close to the 3G mobile launch base station.</div>	<div>1. Weld antenna again.</div> <div>2. To change the batteries of remoter.</div> <div>3. Change a place where no 3G mobile launch base station.</div>

PARTS (OPTIONAL)

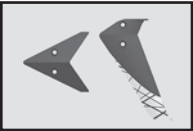
Below are the parts available for your kindly selection.In order to facilitate our customers for placing an order, we specially offer all kinds of parts for your kindly selection.You can buy these parts via our local agent as well.



F4-01A
Head Cover(Red)



F4-01B
Head Cover(Black)



F4-02A
Tail decoration
(Red)



F4-02B
Tail decoration
(Black)



F4-03A
Main blades(Red)



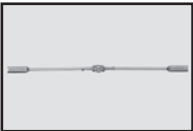
F4-03B
Main blades(Black)



F4-03C
Tail blade



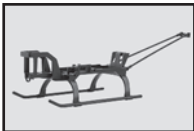
F4-04
Main frame



F4-05A
Balance bar



F4-05B
Connecting buckle



F4-06
Tripod



F4-07
Gear assembly



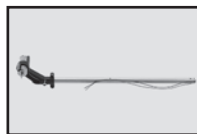
F4-09
Main shaft



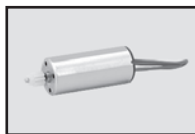
F4-10A
Wobbler



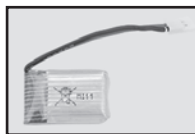
F4-10B
Protection parts



F4-11
Tail assembly



F4-13
Main motor



F4-14
Battery



F4-15
Receiving board

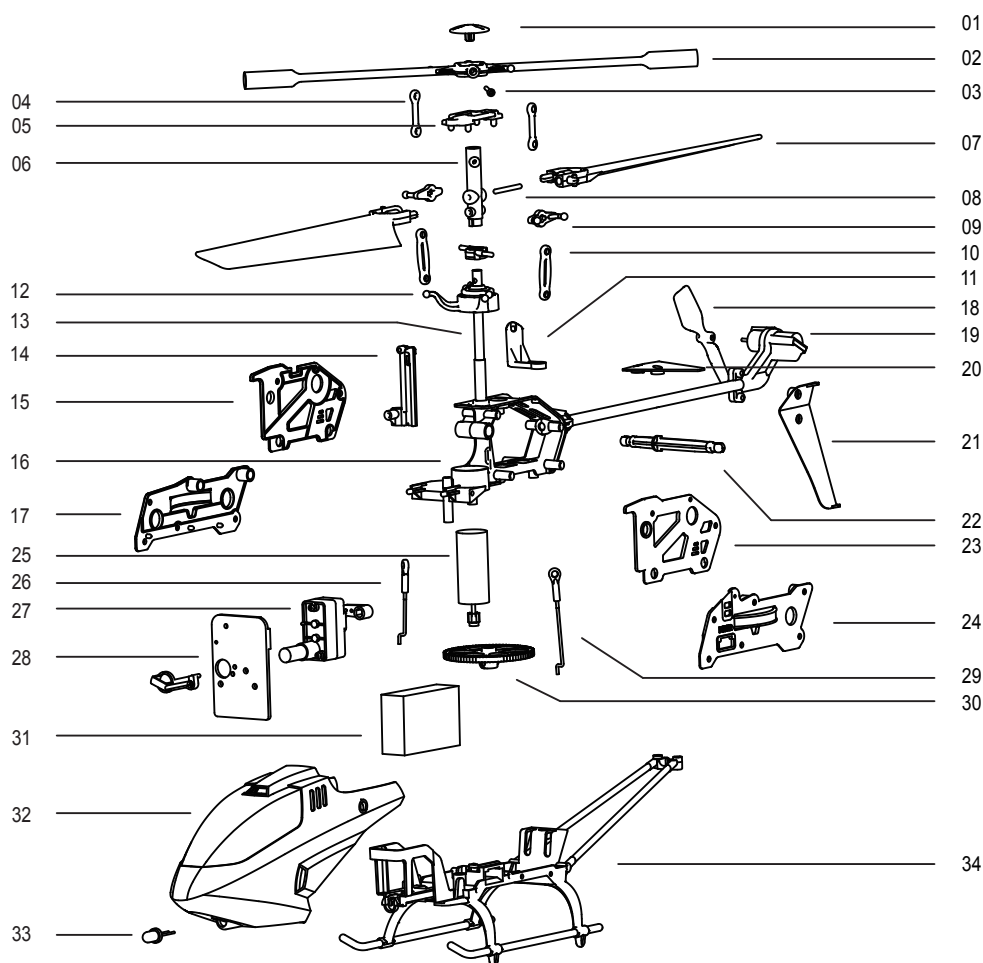


F4-16
USB Charge cable



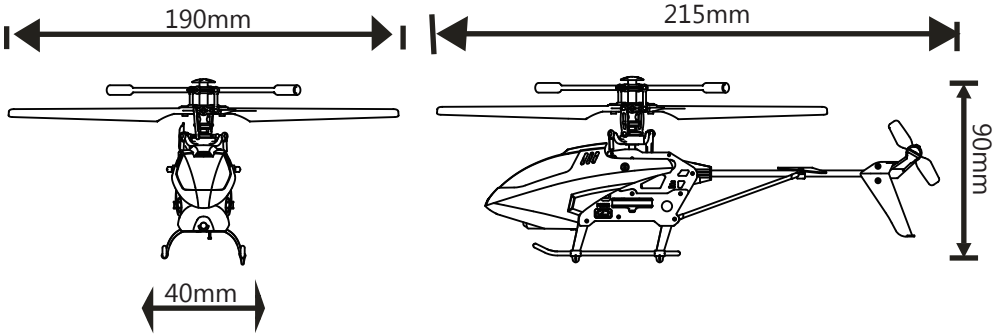
F4-17
Transmitter

BREAKDOWN & DIAGRAM



Number	Product Name	Quantity	Number	Product Name	Quantity
01	Decoration cap	1	32	Head cover	1
02	Balance bar	1	33	Light	1
03	Balance shaft	1	34	Tripod	1
04	Connecting buckle	2			
05	Blades grip set	1			
06	Main seat	1			
07	Main blades	2			
08	Blades limit axis	1			
09	Connect buckle base	2			
10	Long connecting buckle	2			
11	Swashplate limit set	1			
12	Wobbler	1			
13	Main shaft	1			
14	Receiver board fastener	1			
15	Rightside upper metal frame	1			
16	Main frame	1			
17	Rightside under metal frame	1			
18	Tail blade	1			
19	Tail assembly	1			
20	Tail hole tube	1			
21	Tail dangling	1			
22	Head cover limit	1			
23	Leftside upper metal frame	1			
24	Leftside under metal frame	1			
25	Main motor	1			
26	Right steering engine pull rod	1			
27	Steering engine set	1			
28	Receiving board	1			
29	Left steering engine pull rod	1			
30	Main gear	1			
31	Battery	1			

MAIN PARAMETER



Diameter of main rotor: 195mm

Height of fuselage: 90mm

Length of fuselage: 215mm

Code of main engine: Ø8.5

Width of fuselage: 40mm

Code of negative engine: Ø6

Battery: 3.7V/150mAh

Gyroscope: Tail-locking gyro



SPECIFICATIONS AND COLORS OF CONTENTS MAY VARY FROM PHOTO.