

MERITRC

J3 CUB

INSTRUCTION MANUAL



Specifications:

Wingspan: 20.1 in. (510mm)
Length: 13.3 in. (340mm)
Wing Area: 54.3 in.² (3.5dm²)
Weight: 1.7 oz. (55g)



IMPORTANT!
Radio controlled model
NOT A TOY!

This high performance model must be assembled and operated according to the instructions.

May cause serious injury to persons or property if not used responsibly. Unsuitable for children under 14 years.

WARNINGS

FOR YOUR SAFETY PLEASE READ AND UNDERSTAND THESE WARNINGS

GENERAL WARNINGS

- Do not fly your aircraft if another model is on the same frequency as yours.
- Never fly your aircraft from the street or at night. Always fly in an open area free of obstructions.
- When flying, make sure any spectators are behind you.
- Always be conscious of the spinning propeller. Be careful not to allow loose clothing to be drawn into the propeller.
- Because your aircraft is operated by radio control, It is important to make sure you are always using fresh and/or fully charged batteries. Never allow the batteries to run low, or you could lose control of the aircraft.
- Never attempt to disassemble any of the aircraft's components, especially the electronics.
- Do not allow any of the electrical components to get wet, or electrical damage may occur.
- You should complete a successful range check of your radio equipment prior to each new day of flying, or prior to the first flight of a new or repaired aircraft.
- If your aircraft gets dirty, do not use any solvents to clean it. Solvents will damage the foam and plastic. Use a dry cloth to clean any dirt from outside of the aircraft.
- This product includes small and sharp edged parts. Always assemble and keep this product out of children's reach.
- Do not fly your airplane on days with strong winds or side winds.
- When not using the model, always switch off the receiver and transmitter. Also, disconnect and remove batteries from the model and the transmitter as batteries may overheat or leak causing damage.
- Do not store this model in a high-temperature/humidity area or in direct sunlight.

RADIO CONTROL SYSTEM WARNINGS

- Always turn on your transmitter before turning on the aircraft and always turn off the aircraft before turning off your transmitter.
- Always unplug the battery when not flying the aircraft.
- Never cut the receiver antenna shorter, or you could lose control of the aircraft during flight.
- When flying the aircraft, make sure your transmitter antenna is completely extended.
- Never attempt to disassemble or modify any of the radio control system components.

LITHIUM POLYMER(LI-PO) BATTERY WARNINGS-YOU MUST READ THIS BEFORE CHARGING THE BATTERY

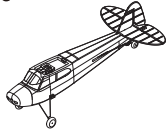
- All instructions, warnings, and cautions must be followed at all times. Failure to do so can lead to serious injury or fire. Do NOT use this product before reading and understanding all directions and warnings.
- This product may explode or catch fire. Serious injury, loss of property, fire and death can result from misuse of this product.
- Do NOT use or charge if the battery is hot.
- Do NOT leave in direct sunlight or in a hot car or storage area. Do NOT get wet or expose to moisture.
- Do NOT overcharge. Maximum voltage for each battery must be followed.
- Do NOT short-circuit the battery. Check polarity, then connect battery to charger.
- ONLY discharge and charge the battery outdoors or in a fire safe container.
- Do NOT leave the battery connected when not in use.
- Do NOT operate or charge unattended.
- Do NOT use the battery if you do not understand the warnings and proper use of the battery.
- Always let the battery cool and 'rest' between uses and charging. Do NOT charge inside your car or inside your house.
- We recommend the use of a fire safe container when charging or storing.
- Inspect the battery before each use for swelling or other malformation. If the battery has ballooned, it MUST be discarded.
- Do NOT over-discharge or exceed maximum discharge.
- Do NOT poke, bend or damage the battery. The outer casing is soft and can be damaged.
- The battery must never exceed 71o Celsius (160o Fahrenheit) for any reason.

Radio control models are not toys, serious injury to persons or damage to property can result in If not used in a responsible manner

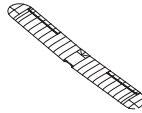
Read all instructions carefully prior to assembling and before flying this model. Seek advice should any information be unclear. You assume all risk and responsibility when using this model

Items Included

Fuselage



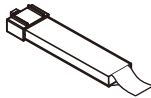
Main Wing



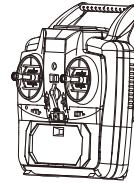
Propeller



3.7V-120mAh Lithium Polymer Battery

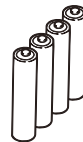


MERIT 2.4G Radio System



Required Additional

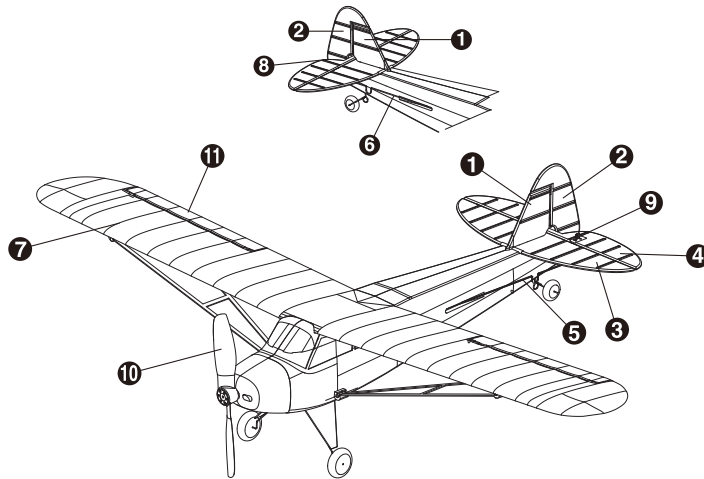
AA Alkaline Batteries x 4



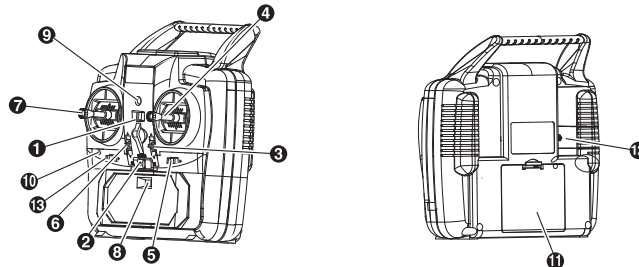
X4

Contents List

- 1 Tail
- 2 Rudder
- 3 Tail Wing
- 4 Elevator
- 5 Elevator Rod
- 6 Rudder Rod
- 7 Main Wing
- 8 Horn
- 9 Horn
- 10 Propeller
- 11 Aileron



Transmitter



1 Mode Change Switch

2 Power Switch

3 Throttle Trim (Up/Down)

Adjusts throttle so motor will not move at the down position.

Mode 2
Elevator Trim (Up/Down)
Adjust up/down so plane flies horizontal

4 Aileron Stick(Left/Right)

Controls the left / right direction of the airplane's roll

Throttle Stick (Up/Down)

Controls propeller speed

Mode 2
Elevator Stick (Up/Down)
Controls plane's upwards/downwards movement

5 Aileron Trim (Left/Right)

Adjust left/right so plane flies roller rotation

6 Elevator Trim (Up/Down)

Adjust up/down so plane flies horizontal

Mode 2
Throttle Trim (Up/Down)
Adjusts throttle so motor will not move at the down position

7 Rudder Stick(Left/Right)

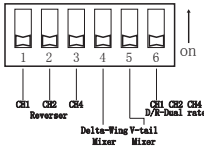
Controls the left / right direction of the airplane's nose

Elevator Stick (Up/Down)

Controls plane's upwards/downwards movement

Mode 2
Throttle Stick (Up/Down)
Controls propeller speed

8 Function Selector



9 Battery Level Indicator

10 Charge Lamp

11 Battery Cover

12 Charger Terminal Cover

13 Rudder Trim (Left/Right)

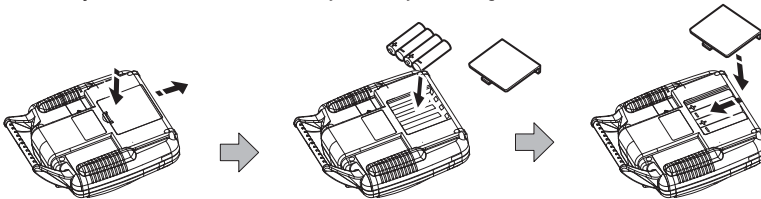
Adjust left/right so plane flies straight

Before Operating

Batteries for Transmitter

Battery Cover

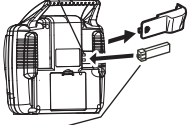
Battery Polarity Markings



*AA Alkaline Batteries x 4

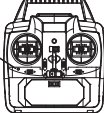
Charging Battery

	<p>Read Page 2 carefully and charge battery accordingly.</p>	
	<p>Use only the battery charger specified.</p>	
	<p>Do not attempt to charge a damaged battery. This may cause fire or serious damage.</p>	
	<p>For safety reasons, batteries with a high voltage cannot be recharged. Run down the battery completely and then recharge.</p>	



- 1 **A** Connect the 3.7V 120mAh Lithium Polymer battery to charge socket.
- 2 **B** Charge lamp lights up and quick charge commences. (Fully discharged battery takes about 40 minutes to charge. Charging time can vary according to battery type).
- 3 **B** After charge lamp goes off, charging is complete.

A 3.7V 120mAh Lithium Polymer Battery

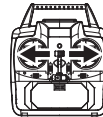


- ▶ When the Transmitter cells are empty, the battery will not be charged. Change to new dry cells before charging.
- ▶ Battery can be charged whether the transmitter power is switched ON or OFF.

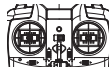
Turning Power ON

1 Using Mode Change Switch

- ▶ The transmitter can be used in Mode 1 or Mode 2 with the mode change switch. After the Mode has been changed, the throttle stick spring is cancelled.



- 1 Move left and right sticks to neutral position.

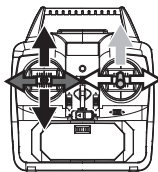


- 2 Make sure the Mode change switch is moved all the way to the end.

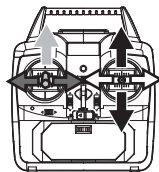


Mode 1 Mode 2

- ▶ Mode Stick Functions




Mode 1



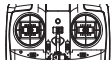

Mode 2






Mode change switch will only slide if the throttle stick is in neutral.

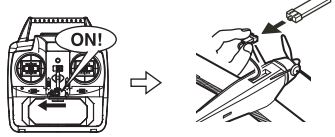
Be sure to slide the Mode change switch all the way to the end. The sticks will move correctly unless the switch is moved all the way to the end.

2 Switch Transmitter ON




Always turn the transmitter's power switch ON first!



Ensure throttle stick is in all the way down position.
A spinning propeller can be dangerous.

The motor will not operate unless throttle stick is at the lowest position.



1 Move throttle stick to all the way down.

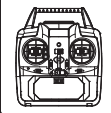



2 Switch power ON




3 Red lamp lights up

Mode 2





Ready



Stop

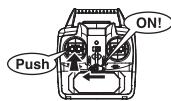
3 LED Display

RX LED	LED steady on	TX & RX link & ready	
	LED 0.5S ON, 0.5S OFF continually	Throttle in the Hi position (Motor will not activate).	Need move the Throttle stick to the lowest position, till LED steady ON then motor will activate.
	LED 0.25S ON, 0.25S OFF continually	battery low	
TX LED	LED 0.25S ON, 0.25S OFF continually	battery low	

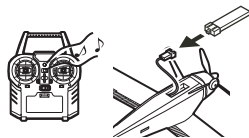
4 Bind with the Airplane

- ▶ The first time you use this model, you will need to bind the airplane to the transmitter.
- ▶ Bind is already completed by factory setting.

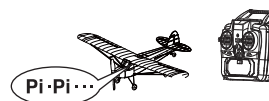
1 While pressing down the left stick, switch the transmitter power ON.



The transmitter will beep for 20 seconds. Connect the battery to the airplane while the transmitter is beeping.



3 When airplane beeps, automatic recognition has started.



4 When beeping stops, binding is complete.

