

### Attention:

It is of vital importance ,before attempting to operate your rc Balloon, to read the ‘SAFETY INSTR/CTIONS AND WARNINGS’ section on page 2-4 of the booklet and to strictly adhere to advice contained there in

- Also, please study the entire contents of this instruction manual, as to familiarize yourself with controls and other features of Balloon and system
- Keep these instructions in a safe palace so that you may readily refer to them whenever necessary
- It is suggested that any instructions supplied with r/c Balloon etc are accessible for checking at the same me.



### Safety Instruction&Warnings

Safety instruction 	WARNINGS 
<p>Remember that your machine is not a ‘toy’, but a highly Efficient internal-combustion machine whose power is Capable of harming you, or others, if it is misused of abused.As ower,you,alone,are responsible for the safe operation Of your machine, so act with discretion and care at all time.If at some future date,your machine is acquired by another Person ,we would respectfully request that these instructions are also passed on to its new owner.</p> <ul style="list-style-type: none"> <li>● The advice which follows is grouped under two headings According to the degree of damage of danger which might Arise through misuse or neglect.</li> </ul>	<ul style="list-style-type: none"> <li>● Never touch or allow any object to come into contact with when it is running.</li> <li>● Never all any object to come to into contact with propeller</li> <li>● Never touch propeller with hands when it running, no kids</li> <li>● No professional people to contact with propeller when it running</li> <li>● No touch the fire on envelope</li> <li>● Pls use helium gas to fill envelope for safety</li> <li>● No professional no operate it</li> <li>● Turn off power when checking issue</li> <li>● Far away of propeller for kids and other no professional people</li> </ul>

## WARNINGS



These cover events which might involve serious ( in extreme rc/Cumstances, even fatal ) injury.

Do not disassemble the machine

Do not use rainy or wind speed over designed

Do not been touch by kids

When you do not use it,please packed and recharge battery

## NOTES

- These cover the many other possibilities, generally less obvious souR/Ces of danger, but which, under certain ciR/Cumstances, may also cause damage or injury.
- Fly as local law

## Manual Balloon Drone

### Contents

About Rc Balloon Drone

Balloon Drone parts' name&Photo

Installation

Operation

Tips/Notes

### About Balloon Drone

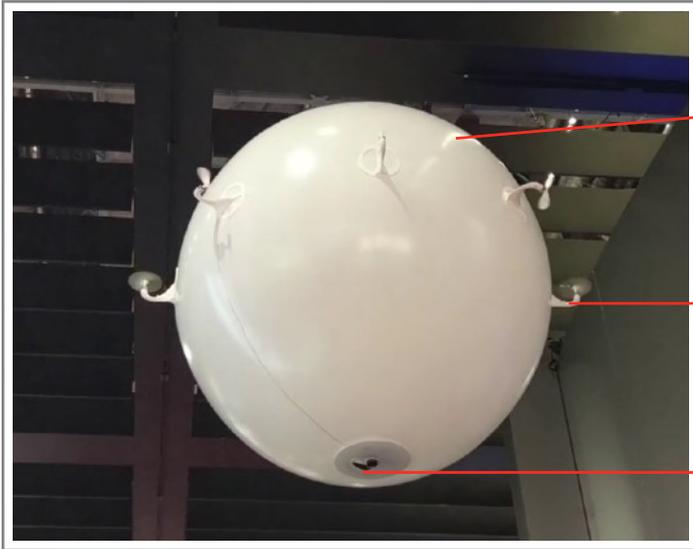
We accept custom order on these design

The voltage of battery pls according to each item's technical specification to equip and as our suggestion to assemble and test

Of course you can buy other our Balloon from us like gasoline power

Size: 1.5m Diameter Indoor

Detail



1

2

3



4

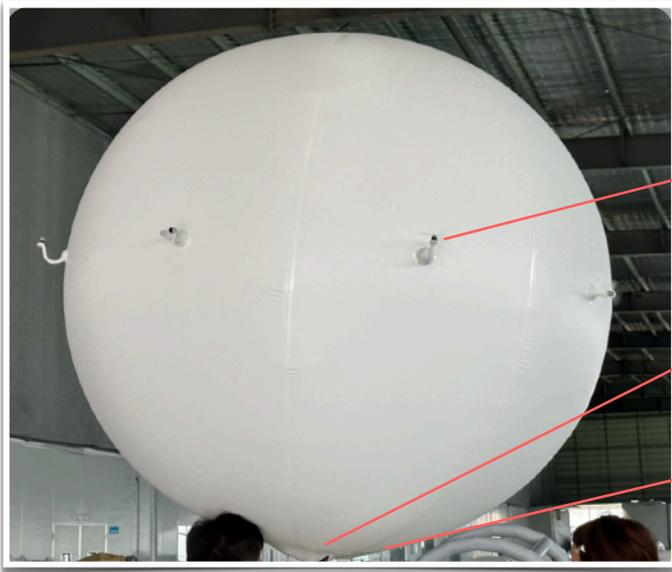


5

Part-Name

1	Balloon
2	Propeller
3	ESC+Battery
4	Controller
5	Battery- 11.1V

Balloon-Part



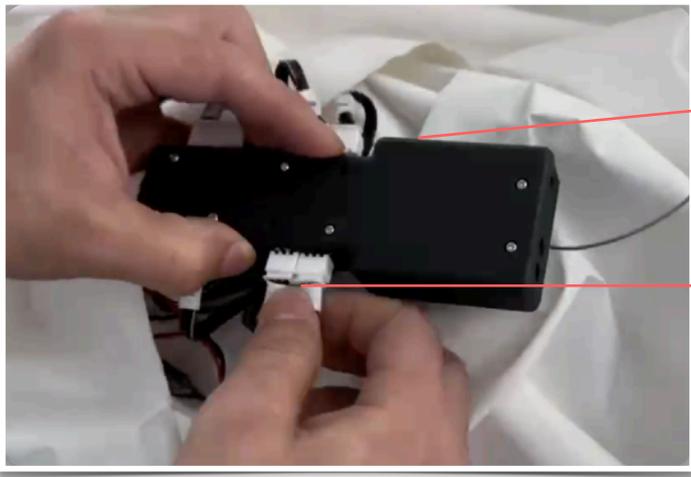
1

2

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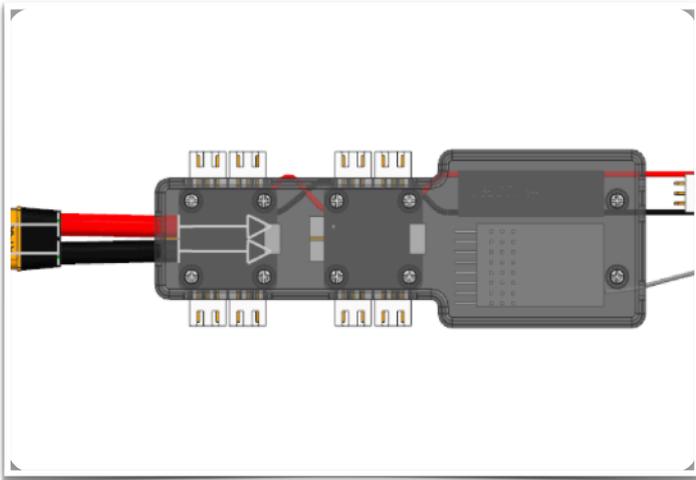
1	Motor Support
2	ESC+Battery
3	Valve - Inflate & Deflate
4	Weight Package - Max 200g Payload

ESC- Power System



1

2



ESC- Power System

1	ESC
2	Channel+Connector

## Controller



## Controller-Channel

1. Controller - 2 Channel	Forward & Back
	M2&M3 Mix Control (No.2 ESC)
2. Controller - 4 Channel	Ballon Rotor
	M4&M1 Mix Control (No.2 ESC)
3. Controller - 3 Channel	Balloon Up and Down
	NO.1 ESC
4. Controller - 1 Channel	Passive, no need operate
	No.2 ESC

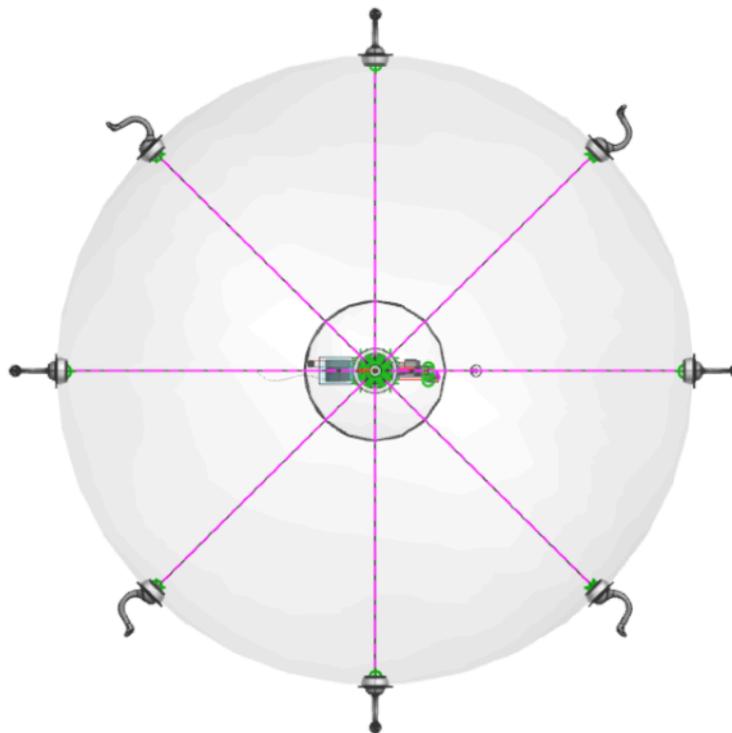
## Balloon Drone-Install

A. Flat the Balloon on clear and clean floor or cushion-better with cover a cushion on ground  
It can avoid to make hole on Balloon, to avoid helium lost.

B. Connect  
Electronic Speed Controller with Motor System's Channel

C. Install Motor System  
Connection Motor System with electrical Plugs  
M 1&3&5&7 Up Direction  
M 2 & 6 left Direction  
M 4 & 8 Right Direction

Top View



D Inflate Helium Gas to Balloon

E. Connect Battery with power system

F. Testing before fly

## Notes



Installment with Helium Gas

Note 1 - Flat Balloon on clean cushion to avoid Balloon broken. **Very Important**

A> The area should be bigger than Balloon

B> Flat Balloon is very important. Some client has no attention before especially big or giant Balloon

C.) Clean cushion on ground to protect Balloon, any sharp thing like sand easy to make hole in Balloon to cause Balloon leak

Note 2 - Never touch propeller by hands, no experienced on rc system no touch.

Safety Is first, do no touch propeller by hands, no kid. No allow any one to touch transmitter when it is turned on, when you install gondola to Balloon or testing.Any issue, please turn transmitter off to check.

Note 3 - (Propeller match , rotation direction and wind's direction) **Very Important**

The gondola motors' rotation - all of them in clockwise or counter clockwise, but anyhow the wind's thrust direction must be backward. You can put some paper below propeller to do testing before fly.

A.Check motor's rotation direction - turn transmitter on (Take a note again, Throttle control stick must be downward (slow) position). Connect batteries to gondola and to check motor rotation satus

B.Install the propeller on motor, the throttle stick approximately 1 / 20 of the way advanced.just trim a little power to check rotor blade( very important no touch when it running ), put some on bottom of propeller to check wind's direction.) After check well, mount the propeller

## Tips



### Tip1. - Eexperienced

It takes more than 2 people to install RC Balloon, especially the Balloon in big scale need more labors. Use tethered rope to assit intallment.

To inflate Balloon, it is best to get more experience indoor. Better hire experieced clerks knows to inflate Balloon,or take notes as our suggestion —slow to fill helium

### Tip2.

Don't fill too mch gas when you mount the fins and gondola, it is convenient for you to fix these parts to Balloon.

### Tip3.

Don't fill gas more than its volume, it is easy to destroy the envelope, take a note of joint part of envelope.

### Tip4. - Balance of Balloon

Keep Balloon's head ,rear and body in same level- (use carrying weight bag) - Find out Gravity of Balloon, and in order to fly Balloon pls Note the sink force.

### Tip:5 - Common sense of Helium gas

Helium Grade: 99.999%, helium lift weight 1.1kgs per m<sup>3</sup>

Helium Grade: 99.00%, helium lift weight 1 kgs per m<sup>3</sup>

### Tip:6 -Sink force weight

It means - all weight of Balloon reduces helium lift weight to equal data. If you set Balloon well, you can save battery's power to get longer flight time.Fly Balloon very ealier.

Data refer

1.5m rc Balloon sinking weight is not over 20g

### Tip 7- Familiar operation

It needs 1 hours to Familiar operate Balloon and rc system for a skilled operator who know rc model before. For new learner needs few hours.

Need to charger 3-4 times battery to make it full.

Rear motor connect "Channel 4" of receiver.

Take note battery connection as explain.

Technical Support

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