

# Motion controlled flying objects

Model:TB-820

Ages:8+

Manufacturer:TECHBOY INTERNATIONAL (HONGKONG)LIMITED

## Product Information

Length:120mm,width:120mm,height:45mm.

## Battery Information

Product:1x3.7V-200mAh battery,inst-alled inside of produ-ct,it is replaceable.

Controller:3xAAA battery required.1.5V,it is replaceable,not included.

## Parameter Information

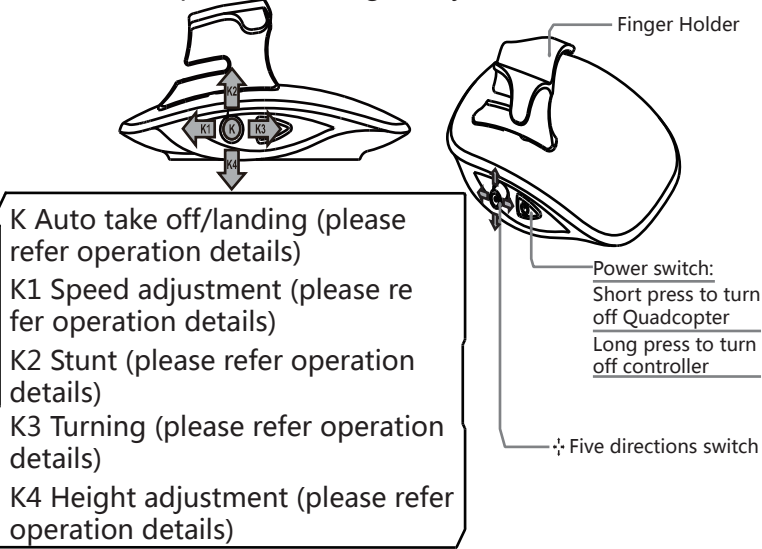
Charging time:about 30 minutes.Working time:about 5-8 minutes.Control distance:20m.

## Product List

TB-820 Quadcopter 1Pcs,Controller 1 Pcs,Instruction Manual 1 Pcs,Finger holder 2 Pcs.USB cable 1 Pcs.

## Repair And Maintenance

Please keep it far away from direct sunlight or heat.The Q-quadcopter & controler contain electrical parts.Please keep it far way from water or wet environment.Please use dry clean cloth to clean product if it is getdirty.Do not wash it.

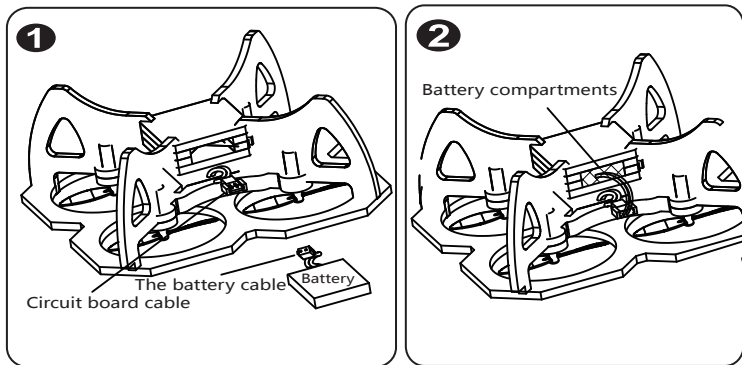


## Controller Introduction

- 1.Connect battery wire to PCB wire cable (referpicture1.)Put battery into box.(refer picture 2)
- 2.Refer above instruction to take out battery

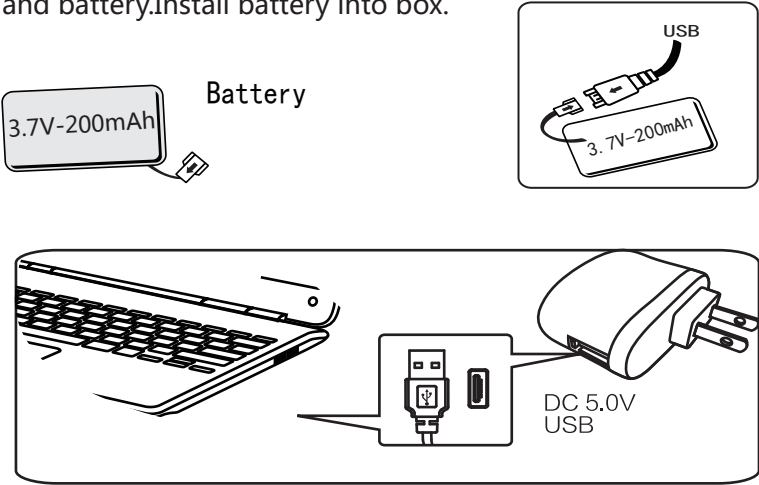
## Install or take battery out.

# INSTRUCTION MANUAL



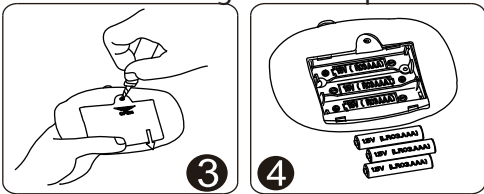
## How to charge

Take battery out from box.Disassemble battery from PCB wire cable(refer picture 3).Connect battery cable to USB connector (refer picture 4).insert the USB port of the USB charging wire to the USB port of thecomputer(or the USB port of the power adapter)to charge the battery.USB cable red light turn on it indicate it is charging.When USB cable red light turn off.It indicates fully charged.Disassemble USB cable and battery.Install battery into box.



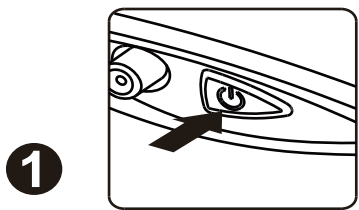
## Controller installing the battery

- 1.Use screwdriver or other objects,press the battery cover button.andtake off battery cover at same time.(refer picture 3).
- 2.Install 3 x AAA batteries according battery polarity.(refer picture 4)
- 3.re-install battery cover.it install well when you hear "DA" sound.
- 4.Remove batteries according above steps.



## FLIGHT PREPARATION

- 1.Connect the battery to copter correctly , put the copter on the flat ground(The copter's battery in front of you) the light flashing from high speed to low speed.
- 2.Install batteries into controller correctly.
- 3.Press ON/OFF transparent button of controller.(refer picture 1)DroneLED turn to keep lighting,indicate code match successfully,Repressbutton if failed.
- 4.Please replace new batteries if controller LED do not light.

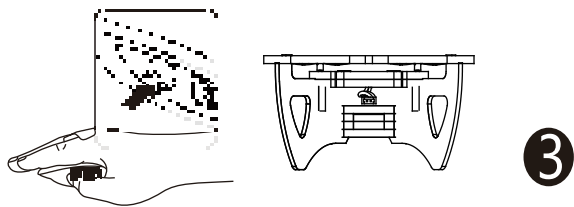


## OPERATION & CONTROL

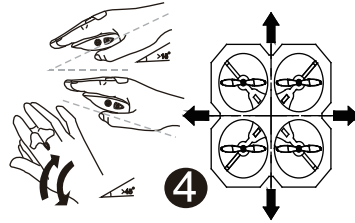


Please hold controller horizontally.(refer picture 2)

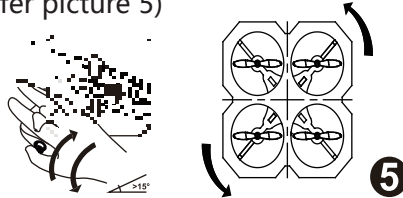
- 1.Press K, the copter take off automatically,and keep in a certain height hovering.(refer picture 3)



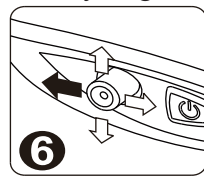
- 2.Lean forward/backwsard/left/right slowly (with angle over 15) controller.To control copter fly forward/backward/left/right (refer picture 4)



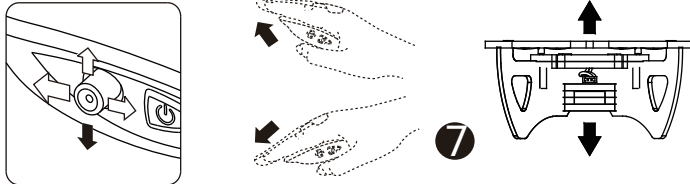
- 3.press to K3 direction,move hand to left or right, the copter turn left orright.(refer picture 5)



- 4.press to K1 direction, adjust speed press once to medium speed.Pressnce again to high speed.Press third time to low speed (copter keep inlow speed at very beginning)(refer picture 6)



- 5.Fly higher/lower,press K4 and at same time move your wrist up anddown slowly,the copter fly higher or lower altitude,release K4,copter keep in current altitude,hovering.(refer picture7)



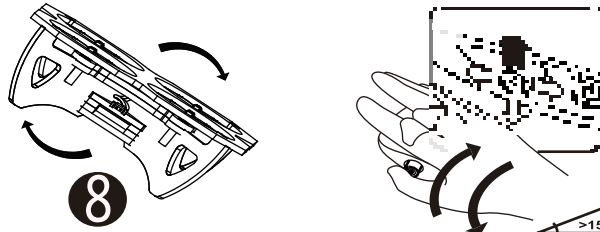
- 6.Landing,press K button,the copter stop flying and begin to landing slowly.

- 7.Stop immedicately in case emergency. Press turn on/off button againto trun off copter immedicately if any emergency or copter could not landing successfully or propellers keep rotating.

## 3D EVERSION & THROWING FIGHT INSTRUCTIONS

### Stunt feature:

- 1.Make sure flying height is over 2 meters and copter is in full chargedstatus when do stunt operation.
- 2.Press K2, Lean rightward/leftward/forward/backward(with angle over75)controller. To control copter do leftward/rightward/forward/backward stunt operation.(refer picture 8)



The packaging box and instruction manual contains important information,please keep it for further reference.

# DIY QUADCOPTER TB-820

## INSTRUCTION MANUAL

NOTE:The flying unit contains a Lithium Polymer Battery,DO NOT disassembly the flying unit as this may result in permanent damage or hazardous operation. DO NOT modify this product in any way. DO NOT launch at people or animals. DO NOT use near overhead cables,vents,fans or any other obstacles. ☆ Make sure people around you are aware you are playing. ☆ If the quadcopter gets stuck in high places,ask an adult to retrieve it for you.

## DO NOT attempt to retrieve yourself.

☆ Before recharging,when not in use or before storage,always allowyour quadcopter to deplete its charge (by allowing the propeller to spin freely until it stops),and switch OFF when not in use.

☆ Only use the charger provided in this pack to charge quadcopter and only under adult supervision.

ADULT SUPERVISION IS RECOMMENDED AT ALL TIMES!

## INFORMATION IMPORTANT BATTERY

DO NOT mix old and new batteries. DO NOT mix alkaline.Carbon-zinc or rechargeable (nikel-cadium)batteries. DO NOT try to charge non-rechargeable batteries. DO NOT dispose of batteries in fire. DO NOT short circuit the supply terminals. DO NOT use near water.Ensure that the contact surfaces are clean before installing new batteries.Batteries should always be replaced by adults.Replace batteries of the same type and brand at the same time.



SAFETY& CAUTIONS

This R/C flying model is a high dangerous commodity. Please make sure that it should be filed far away from the crowd. Please also pay more attention to the phenomenon such as incorrect assembly or d-amaged model or incorrect connection of electronic control equip-ment. Please also pay attention to the flying safety when operating and know more about the accident that may be happened due to y-our own negligence.

IMPORTANT SAFETY PRECAUTIONS.

NOTE:

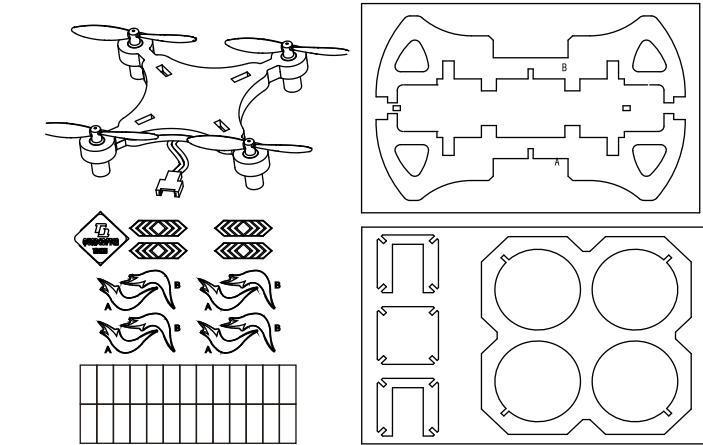
DO NOT modify this product in any way.DO NOT launch at people or animals.DO NOT use near overhead cables, vents,fans or any other obstacles.Keep propeller away from eyes, faces, hands, hair, and loose clothing. a Make sure people around you are aware you are p-laying the Tie fighter,If product gets stuck in high places, ask an ad-ult to retrieve it for you. DO NOT attempt to retrieve yourself.

Special note to Adults.

Parental guidance is recommended when installing or replacing bat-teries. Regularly examine for damage to the plug, enclosure and oth-er parts. In the event of any damage. The toy must not be used wi-th the charger until the da-mage has been repaired. This toy contain-s small objects ,is not intended for children under 3 years old.This toy must only be used with the recommended charger Do not try to charge other batteries with charger.

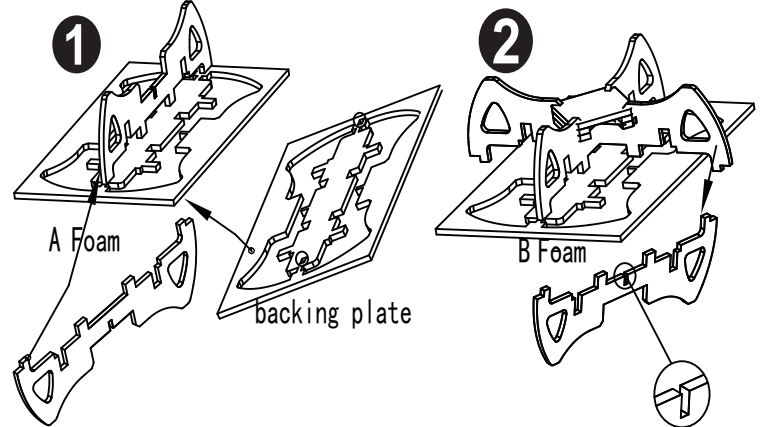
DIY assembly step:

DIY quadcopter mainly assembled by below two parts( foam body and engineer parts), please make sure there is no missing before a-sssembly.Please note: Small difference between Foam A and Foam B on connector poat ! Foam U is the same part.



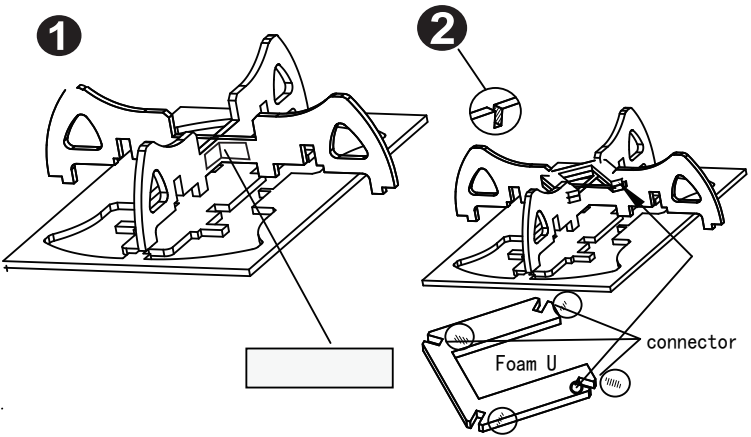
Please assemble the parts, and use tape until you finally confirm it is all OK!

1.Insert Foam A into backing plate ,refer picture 1, then insert Foam B to A correctly ,please make sure connector insert well. Refer pictu-re 2.

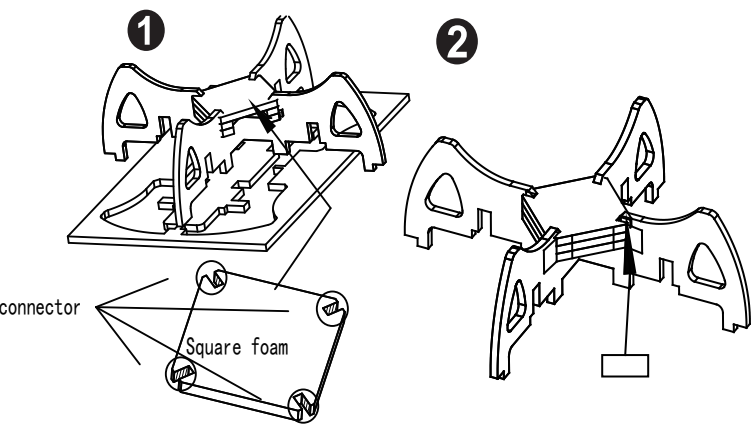


2.Use 4pcs 20\*8 tapes to fix Foam A and Foam B at connector part. Refer picture 1.

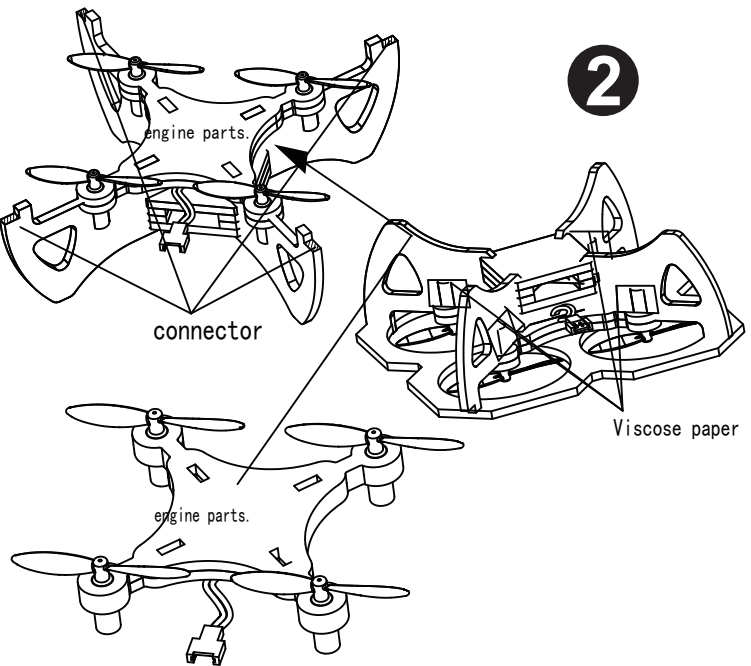
3.Insert 2PCS Foam U, refer picture 2.



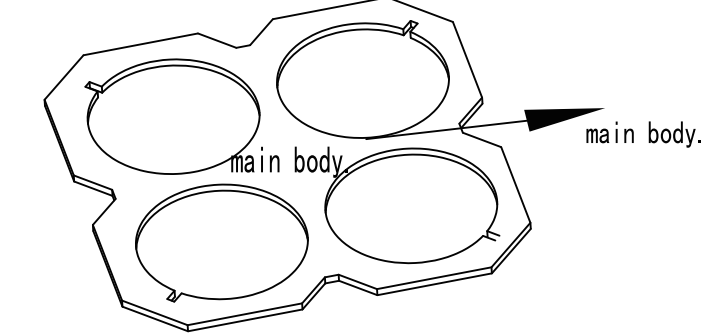
4.Insert small square Foam ,refer picture 1. Use 6pcs 20\*8mm tapes to fix it. Refer picture 2.



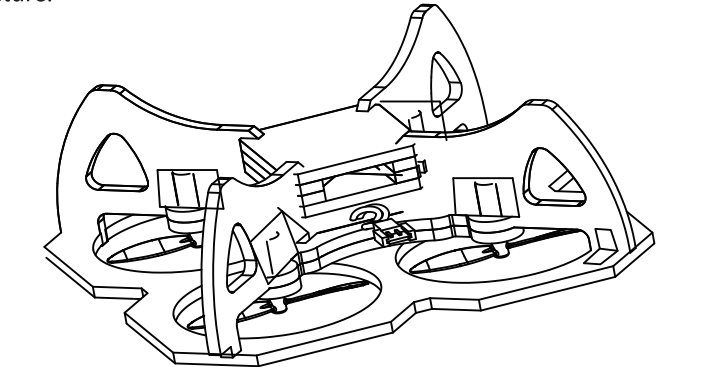
5.Insert engine parts into foam body ,please pay attention to the ba-ttery wire port and battery box position. Refer picture 1, Use 8pcs 20\*8mm tape to fix the motors and wires. Refer picture 2.



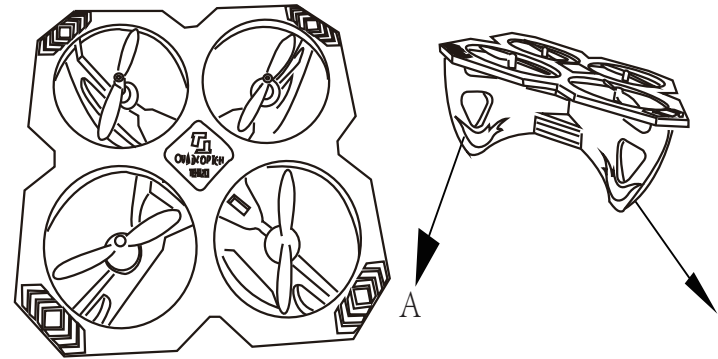
6.Insert main foam body ,refer below picture.



7.Use 8pcs 20\*8mm tape to fix the main foam body , refer below pic-ture.



8. Attach stickers on foam body. Refer below pictures.



Please check every step carefully before connect battery to engine part.

Trouble shooting

- 1.Problem: Quadcopter Led flash, no response Reason A: code ma-tch did not successfully. Solution: Refer code match operation to r-ematch.
- 2.Problem: Propeller rotating ,but could not take off.Reason A: pro-peller deformed. Solution: replace new propellers.Reason B: Battery power is low. Solution; recharge the battery.
- 3.Problem: Quadcopter is unstable, shake a lot.Reason: propeller d-eformed. Solution; recharge the battery.

Maintenance

Please do not put Quadcopter or controller under direct sun or heat. Quadcopter and controller contain electrical parts, please do not p-ut it water or in wet environment, please use dry clean cloth to clean the dirty surface.

The packaging box and instruction manual contains importantinf-ormation, please keep it for further reference.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user’ s authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ★ Reorient or relocate the receiving antenna.
- ★ Increase the separation between the equipment and receiver.
- ★ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ★ Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) this device may not cause harmful interference, and(2) this device must accept any interference received, including interference that may cause undesired operation.

NB:

Hereby, [Techboy International(HongKong)Limited] declares that this[Motion controlled flying objects]is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

The full test of the EU declaration of conformity is available at the following internet address:

www.techboy.com.cn

The product sold to US and whole European markets. Manufacturer name :TECHBOY INTERNATIONAL (HONGKONG)LIMITEDAddress:NO.48,Changguan Road, Western District,Zhongshan City, Guangdong Province, China Contact Person: Shelly Telephone:0086-760-88286378 frequency band:2422-2464MHz maximum RF power:-3.84dBm

