

# KYOSHO QuattroX INSTRUCTION MANUAL

## Key Features

### For QuattroX

- 2.4 GHz Control
- Miniature Design For Indoor/outdoor Flying
- Recharging Through Transmitter Or Computer
- 6-AXIS GYRO

### For Transmitter.

- 4 Channels Digital Proportional Control
- Alignment Trim
- Charging And Power Indicator

**WARNING:**  
CHOKING HAZARD- small parts.  
Not for Children under 14 years old.

"This product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC."

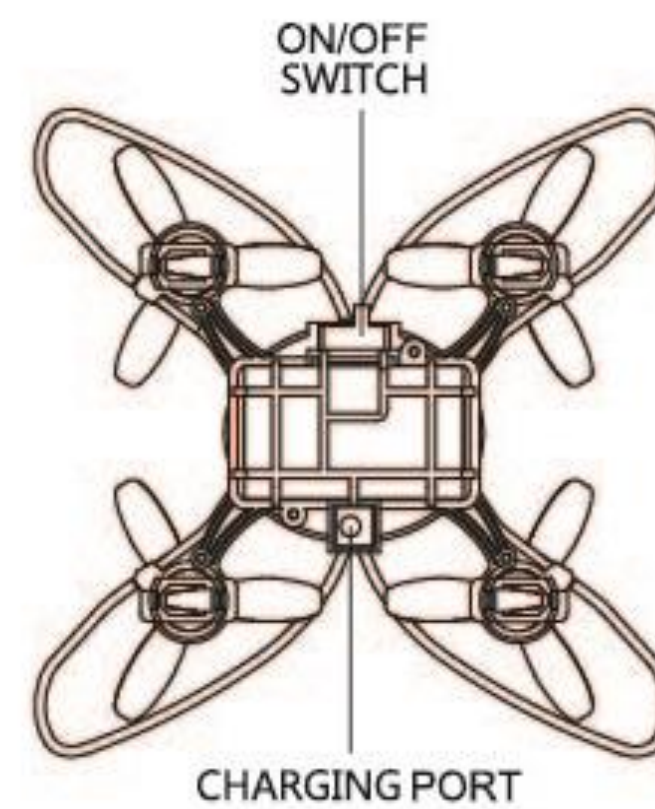
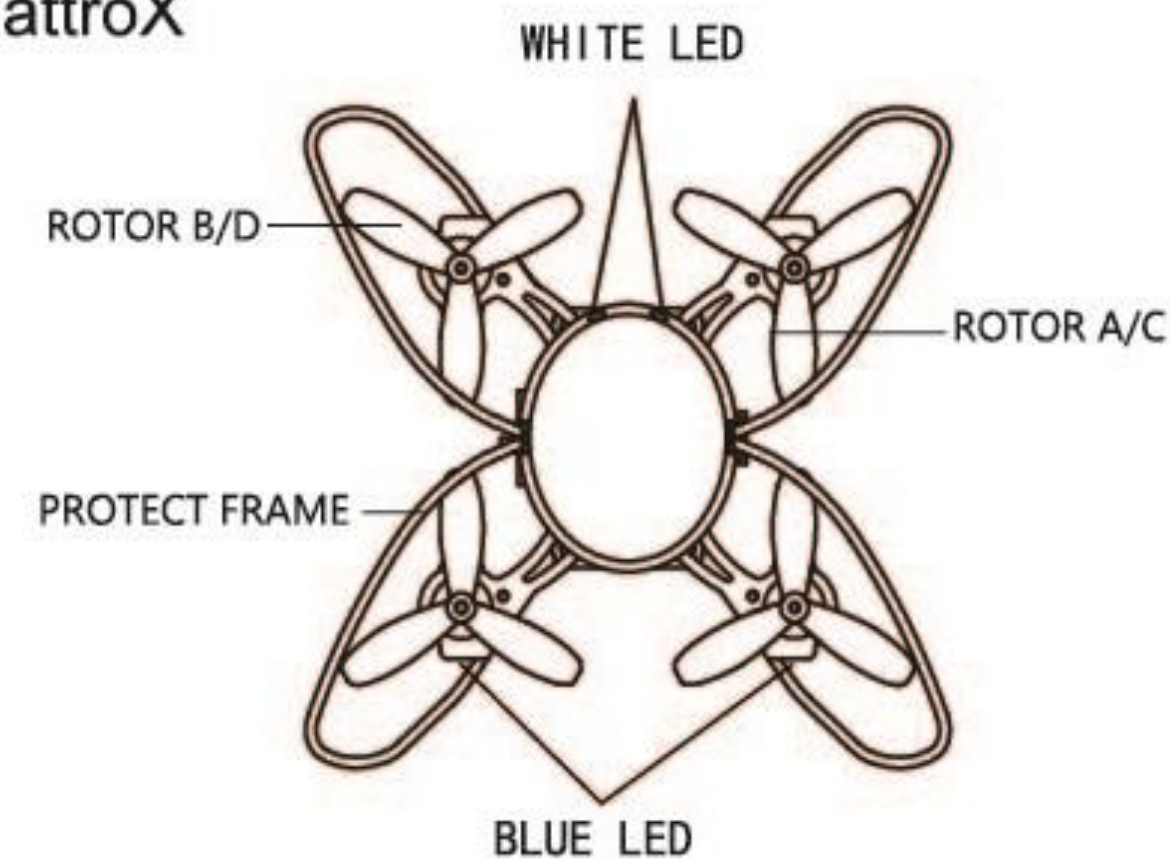


Do not touch the running propeller!  
Do not play above someone's head!  
Adult supervision is required!

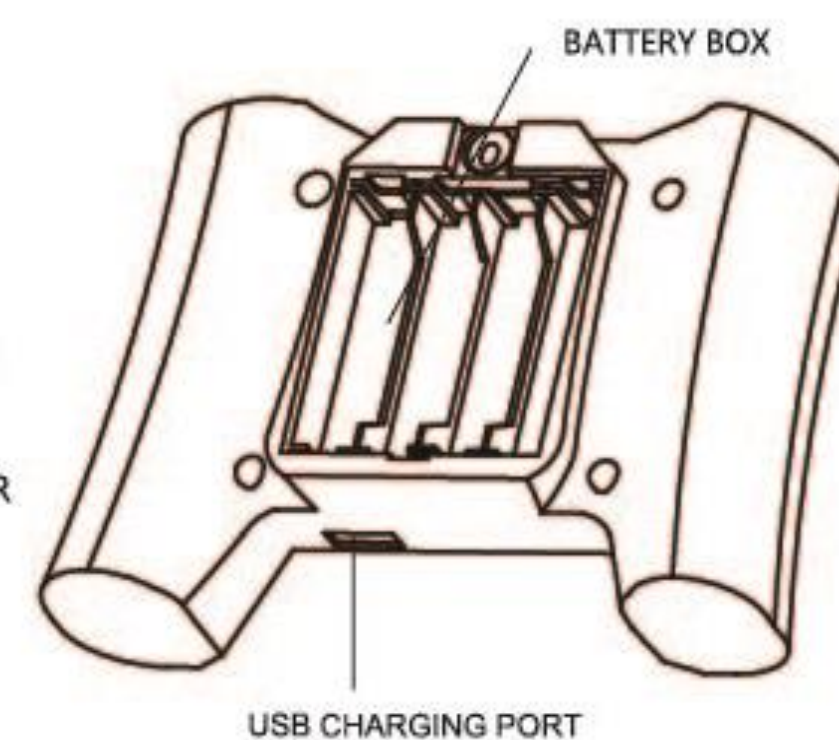
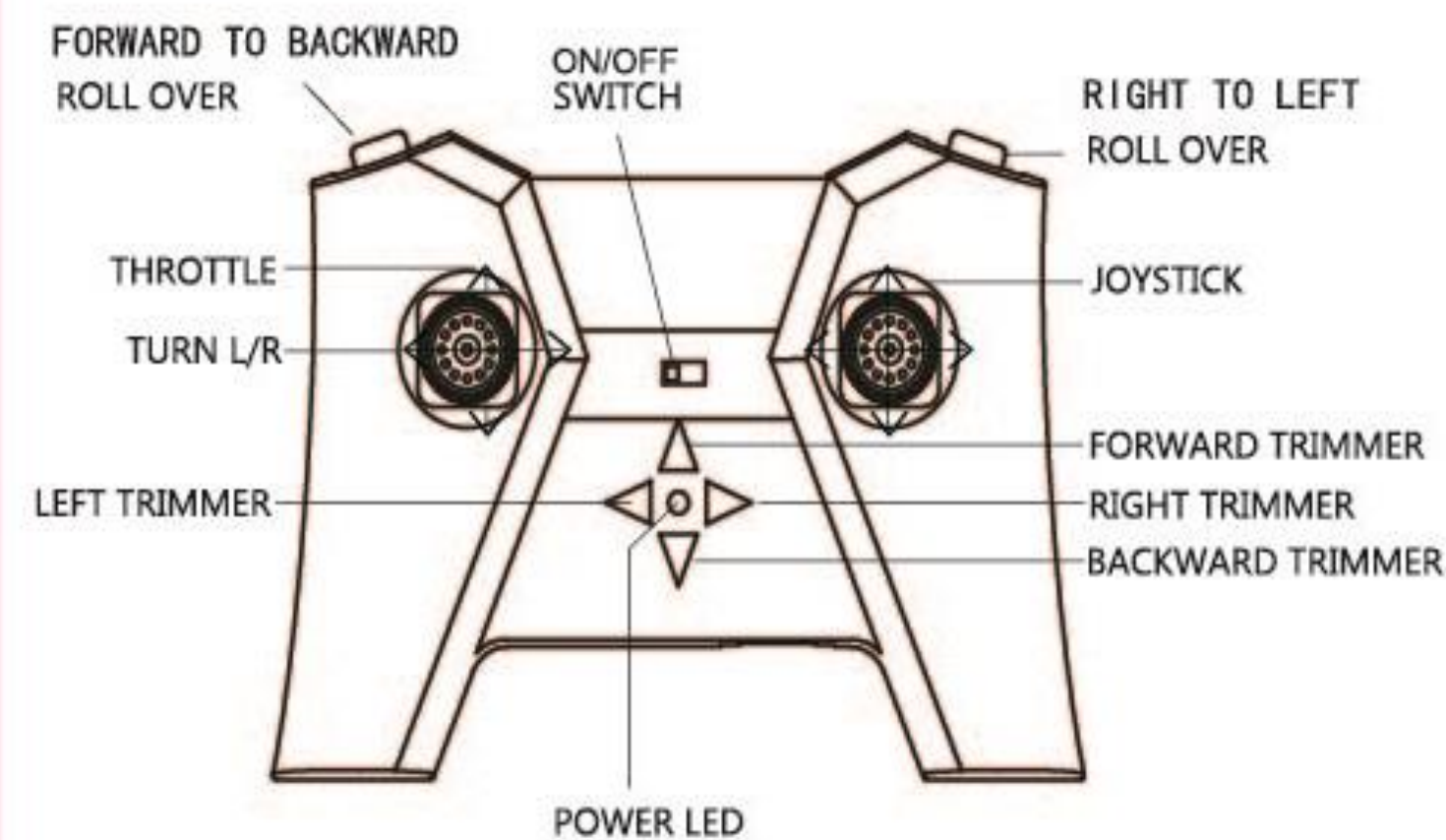
FCC ID: 2AC44-UT925B

## PARTS IDENTIFICATION

### QuattroX



## TRANSMITTER



### Care and Maintenance:

- Always remove batteries from the transmitter when it is not being used for a long period of time. (Transmitter only)
- Wipe the toy gently with a clean damp cloth.
- Keep the toy away from direct heat.
- Do not submerge the toy into water that can damage the electronic assemblies.

### Battery Cautions:

- Non-rechargeable batteries are not to be recharged
- Rechargeable batteries are to be removed from the transmitter before being charged.
- Rechargeable batteries are only to be charged by an adult
- Different types of batteries or new and used batteries are not to be mixed (Transmitter only).
- Only batteries of the same or equivalent type as recommended are to be used.
- Batteries are to be inserted with correct polarity.
- Exhausted batteries are to be removed from the toy (Transmitter only).
- The supply terminals are not to be short-circuited.

### Helicopter is Equipped With Lipo Rechargeable Battery Pack

#### Please Also Pay Attention To The Following Cautions For Safety Use:

- Do not dispose the battery in fire or heat.
- Do not use or leave the battery near a heat source such as fire or heater.
- Do not strike or throw the battery against hard surface.
- Do not immerse the battery in water, and keep the battery in a cool dry environment.
- When recharging, only use the battery charger specifically for that purpose.
- Do not over-discharge the battery.
- Do not connect the battery to an electrical outlet.
- Do not directly solder the battery and pierce the battery with a nail or other sharp object.
- Do not transport or store the battery together with metal objects such as necklaces, hairpins etc.
- Do not disassemble or alter the battery.
- Charge the battery every 3 months.
- Turn off your equipment power switch after use.
- As for a used battery, please recycle after covering the battery terminals with insulation tape or inserting it to an individual poly-bag.

### Note:

- Parental guidance is required when installing or replacing batteries.
- Under the environment with electrostatic discharge, the product may malfunction and require user to reset the product.

### Special Note to Adults:

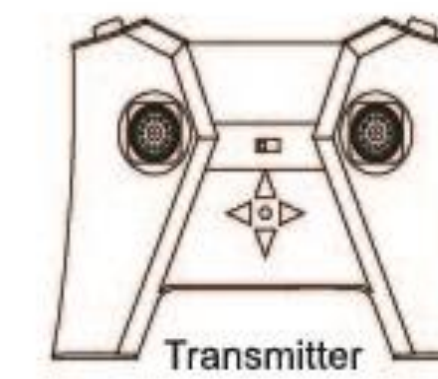
- Regularly examine for damage to the plug, enclosure and other parts, in the event of any damage, the toy must not be used with the transmitter charger until the damage has been repaired.
- This toy is not intended for children under 8 years old.
- This toy must only be used with the recommended charger.
- Do not try to charge other batteries with charging box

### Battery Requirement For Transmitter:

- Power Supply :
- Rating : DC 6 V
- Batteries : 4 x 1.5 V "AAA" Battery
- Requires 4 x 1.5 V "AAA" size batteries (not included)



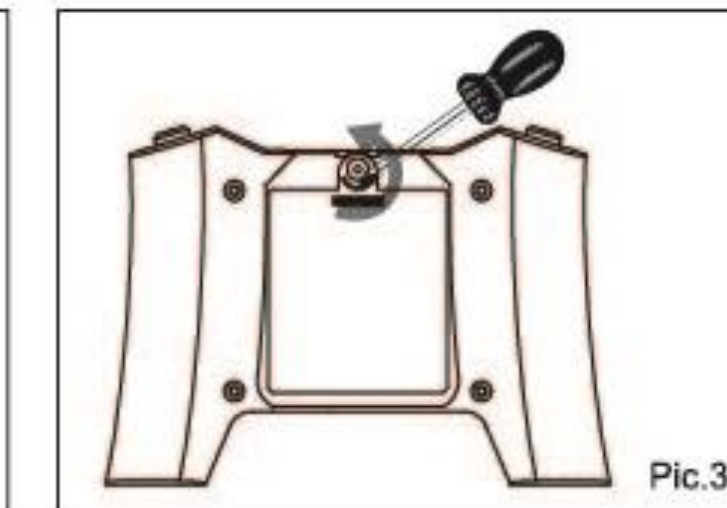
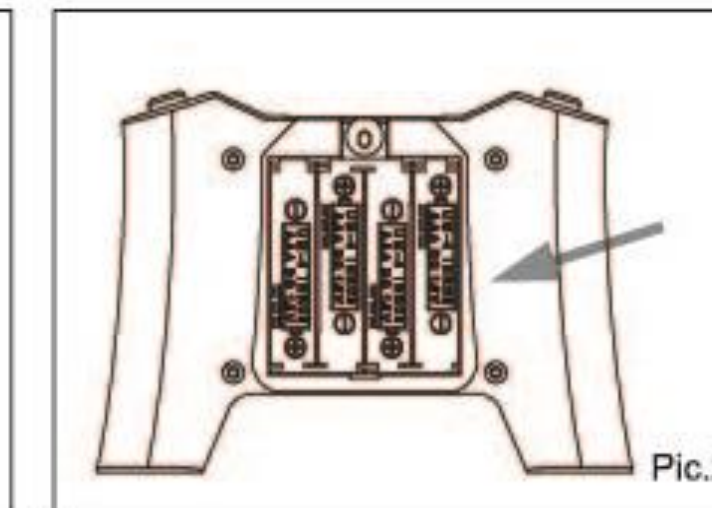
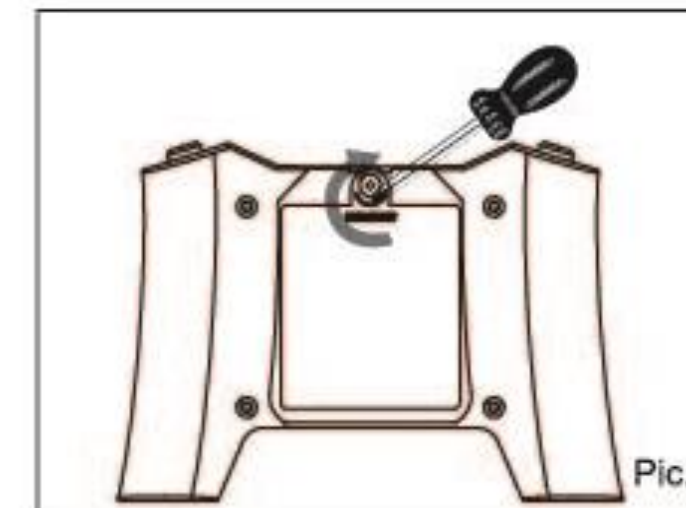
## Pack List



## Battery Installation & Charging

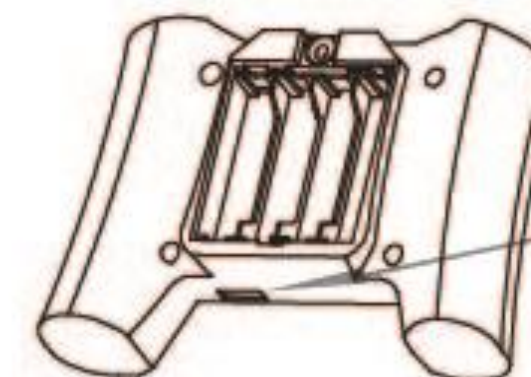
### Battery Installation - Transmitter

1. Open the battery compartment cover (Pic. 1).
2. Put 4 AAA size batteries into the battery compartment with correct polarity (Pic. 2).
3. Close the battery compartment cover (Pic. 3).

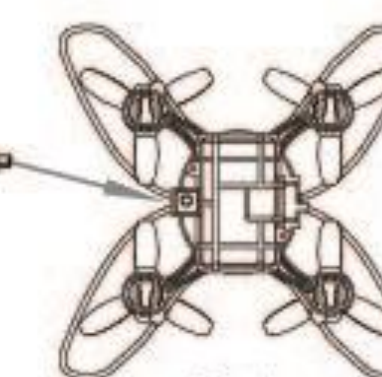


### Charging The QuattroX

4. Turn on the power to the transmitter (Pic.4)
5. Turn off the power of the QuattroX, Insert the USB charging plug into the port on the QuattroX and insert the USB into the transmitter or computer. (Pic.5)
6. The red LED on the usb charger should turn on during the charging process, the red LED should be off when the charging process completed. Disconnect the charging plug from the charging port.
7. The QuattroX can have about 3.5 - 5 minutes of flight time after 20-30 minutes charge.



Pic.4



Pic.5

Note: Before recharging the battery, please let the battery on the QuattroX cool down for 5 minutes

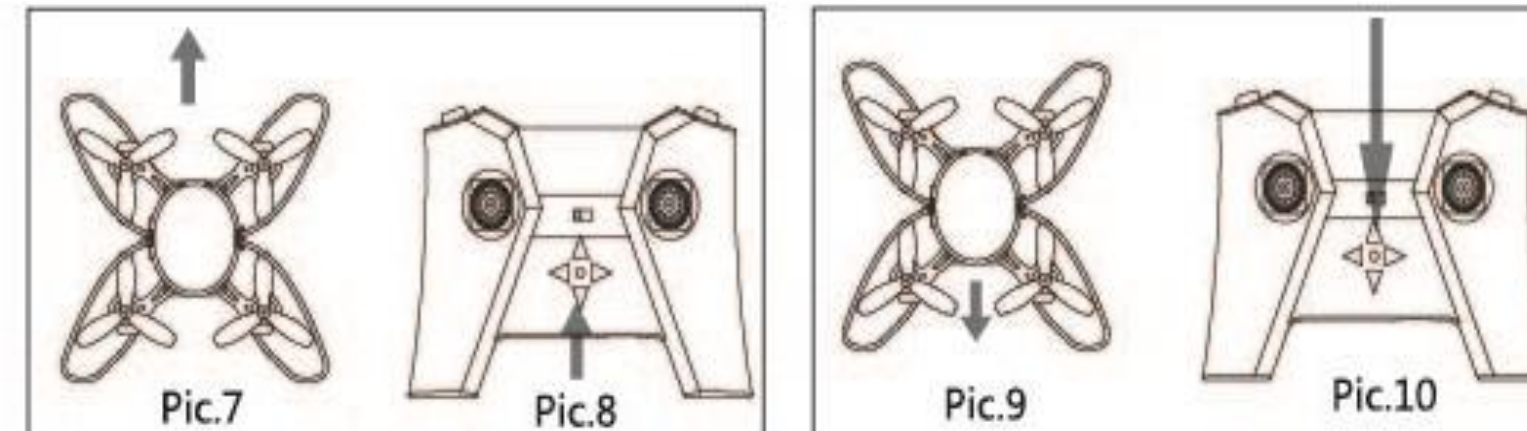


## Flying Your QuattroX

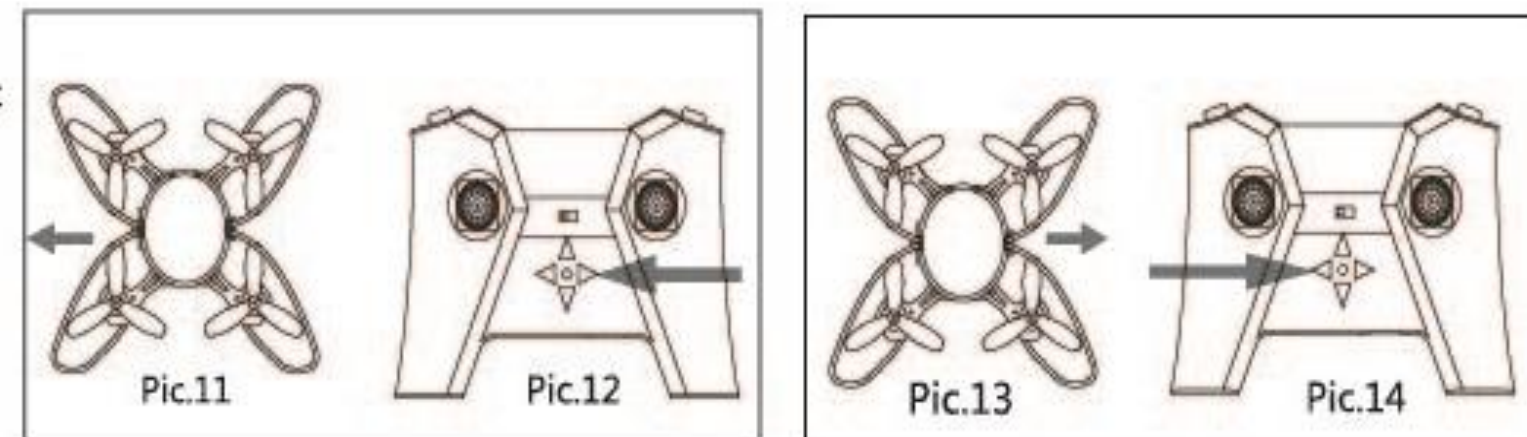
- Set the left stick on the transmitter to MINIMUM throttle, and then set the power on.
- Set the ON/OFF switch on the QuattroX to ON, the power indicator will flash.
- Place the QuattroX on the ground with the tail pointed (Blue LED) towards you and the nose facing away from you.
- The blue LED direction is the rear and the white LED is the front.

### 1. TRIMMING THE QUATTROX:

- When the QuattroX is flying forward( Pic.7), push the " backward " Trimmer ( Pic.8 ) until helicopter stops flying forward.
- When the QuattroX is flying backward ( Pic.9), push the " forward " trimmer (Pic.10) until helicopter stops flying forward.



- When the QuattroX is flying left (Pic.11), adjust the "right " trimmer(Pic.12),until QuattroX stops flying left .
- When the QuattroX is flying right(Pic.13), adjust the " left " trimmer(Pic.14),until QuattroX stops flying right .



## Tip! OPERATION

- Do not operate the QuattroX under the direct sun or strong lighting, it will affect the control system of your QuattroX
- Do not cover the lens of the transmitter, No signal will be transmitted if you cover the lens.
- Do not stick any other label onto the QuattroX, this will affect the reception of the IR signal.

## Tip! CONTROLLING

- For controlling the sticks on the transmitter, try not to push the sticks immediately to the extreme position. It should be like steering a bicycle rather than pressing computer game sticks.
- For the novice pilot (after the trimming procedure was completed), it is highly recommended to focus exclusively on learning to control the throttle stick first. Even if the QuattroX may turn around a bit by itself, there is no need to keep it straight and keep it flying nicely. For the first flight, it is important to learn to keep the QuadttroX at a constant altitude of around 1 meter with small inputs on the throttle stick. Once the pilot masters this, he may start learning to take control with the direction stick.

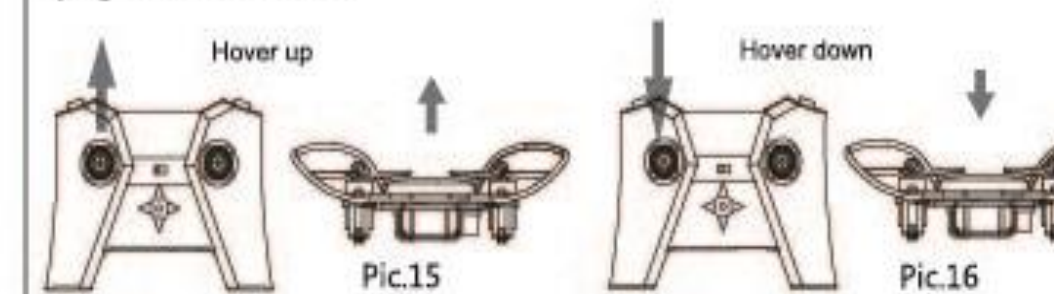
## Tip! SAFETY

- Read through the whole instruction manual before starting to play your Quattro X.
- Never fly in a place cluttered with obstacles (place full of furniture, people, pets etc.)
- Make sure you and other people keep 3-5 meters away from the Quattro X. while you start your flight.
- Always keep an eye on the flying Quattro X. To prevent it from flying, landing or crashing on or near your head, your body and any other people.
- Never disassemble or attempt to modify the product. It may damage the product and cause danger.
- Never put hands or face close to rotating parts. Doing so creates the risk of an unexpected injury. To avoid such a risk, never operate this product while sitting on the floor or on a chair. Operate this product in a posture that allows you to quickly get out of the way if necessary.
- Always switch off both the flying unit and transmitter when leaving the transmitter unattended. If the power switch is on, it is possible that unintended stick operation occurs, when the transmitter is placed on floor or a chair.
- Never allow young children to use this product. Doing so create the risk of accident causing by the rotating parts.
- Never use parts that are damaged or have altered shape in this product to ensure safe practice.

### 2. FLYING CONTROL:

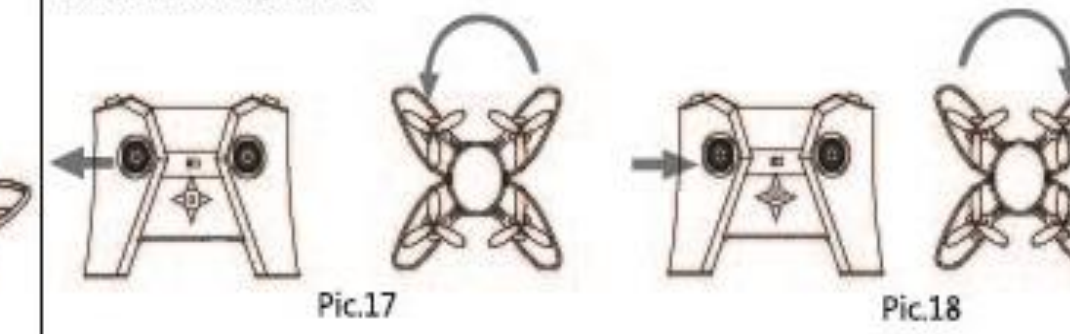
#### Hover up and down:

When the Quattro X flies steadily, you can slowly push the throttle stick up to make the Quattro X fly higher, or release the stick a bit to make the Quattro X fly lower. Only a small amount of stick position change is required for smooth flying. (Pic. 15 & Pic. 16)



#### Turn counter clockwise and clockwise:

Hold the Quattro X at a height. Push the direction stick toward the left to turn counter clockwise (Pic. 17), and push the directions stick toward the right to turn clockwise. (Pic. 18)



#### Flying forward and backward.

Hold the Quattro X at a height. Push the direction stick forward, the Quattro X will fly forward (Pic. 19), and push the direction stick backward, the Quattro X will fly backwards. (Pic. 20)



#### Flying left and right.

Push the throttle stick left (Pic. 21), the Quattro X should fly left (Pic. 22), and push the throttle stick right (Pic. 23), the Quattro X should fly to the right. (Pic. 24)



#### Flying roll -over

Push the left rollover button (Pic. 25), the Quattro X will Auto-Fly rollover 360° from forward to backward (Pic. 26). Push the right rollover button, the Quattro X will Auto-Fly rollover 360° from right to left.



### 3. LIFT-OFF PROCEDURE (after trimming procedure):

- Put the Quattro X on a smooth surface.
- Slowly increase the throttle.
- DO NOT look at the transmitter but focus on the Quattro X.
- As soon as the Quattro X leaves the ground, reduce the throttle slightly. (In worst case, the Quattro X will go back to the floor, but that is better than crashing against the ceiling).
- VERY gently add the throttle if the Quattro X goes down.
- VERY gently reduce the throttle if Quattro X goes up.
- For turning give short and small inputs to the direction stick. (most beginners will easily overcontrol the Quattro X)

### 4. ENVIRONMENT FOR FLIGHT:

Choose the place which meet the following conditions:

1 Indoor environment with calm air condition. Beware of the air circulation from air-conditioner.

2 Space area: it is recommended to have space area over 10ft(W) x 16.5ft(L) x 8ft(H).

3 Safety area: it is highly recommended that there is no electric fan, air-conditioner, reading lamp or other dangerous objects to flying.

### Trouble Shooting

Symptom	Cause	Correction
Propeller can't move.	- ON/OFF Switch is OFF. - Weak Battery.	- Set switch to ON. - Re-charge the battery pack.
Suddenly stop and drop down when flying.	- Weak power	- Re-charge the battery pack.
Loss of control.	- Affected by strong lighting.	- Change another environment to avoid direct lighting.



## **QuattroX**

FCC ID: 2AC44-UT925B

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

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.