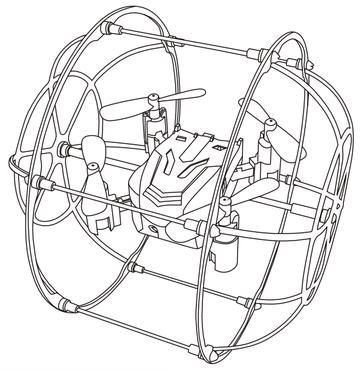
EN12042016H1 a.1

ROLLER DRONE

AGES 8+



TECHNICAL PARAMETERS

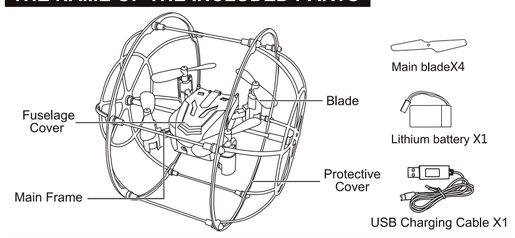
Length: 95 mm
Width: 100 mm
Height: 100 mm
Charging Time: 60 minutes
Flying Time: Above 5 minutes
Remote controlled distance: 30 meters

2.4G

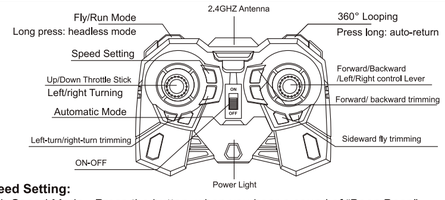
Thank you for purchasing our product. In order to use it correctly and make sure safety, please read the instruction book carefully before using.Please well keep it for your further reference.

Through this Worldbrands SL declares that the toy meetsthe essential requirements and other relevant provisions of the Directive 1999/5 / EC.
You can view the Declaration of Conformity, Doc Roller Drone XT280692, on the following link:
http://www.worldbrands.es/es/declaraciones-de-conformidad

THE NAME OF THE INCLUDED PARTS



FUNCTION INSTRUCTIONS OF REMOTE CONTROLLER



Speed Setting:
High Speed Mode - Press the button, when you hear a sound of “Beep.Beep”
Low Speed Mode - Press the button, when you hear a sound of “Beep”
Fly/Run Mode:
Fly Mode - Press the button, when you hear a sound of “Beep.Beep”
Run Mode - Press the button, when you hear a sound of “Beep”

FLYING ENVIRONMENT

1. Indoor flying: choose a wide place without barriers, pets and people.
2. Outdoor flying: choose the warm, sunny or windless weather.

NOTICE: Do not fly in extreme temperatures. Flying in extreme temperatures may affect the performance and damage the product. Do not fly in windy days. The performance and the control of the aerocraft will be affected by winds. Windy condition may cause the missing and damage of the helicopter.

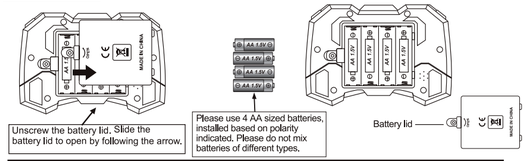
Battery requirement:
Power Supply : ⎓
Rating : DC 3,7 V
Batteries : 1 x 3,7 V LiPo Rechargeable Battery Pack (included)
Capacity : 200 mAh

Battery requirement for Transmitter:
Power Supply : ⎓
Rating : DC 6,0 V
Batteries : 4 x 1,5 V "AA"/LR6/AM3 (not included)

TRANSMITTER BATTERY INSTALLATION

CAUTION If transmitter is not to be used for a long duration, please remove batteries for storage.

WARNING: Warning: if the AA batteries are left in the transmitter, potential leakage could occur which may damage the transmitter,and create fire hazards



THE INSTRUCTION OF LITHIUM BATTERY CHARGING

Connect USB cable plug with lithium battery plug, and then put the cable into the USB interface (computer). When the battery is being charged, the red light is normally on; when it finishes charging, the light extinguishes. The charging time is about 60 minutes.

Attention:
1.Make sure the adapter fits the local electricity supply.
2.The USB cable will overheat while overcharged .Please stop charging immediately for it could cause damage to the battery.
3.Do not leave the battery aside when charging.
4.Recharge the battery 30 minutes after flying,because the battery temperature could be too high and charging could damage the battery.
5.Do not leave the battery in the fire in consideration of safety.
6.Do not short circuit the battery.Do not leave the battery together with tiny medal parts in consideration of safety.

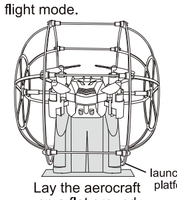
WARNING ⚠
If the aerocraft hasn’t been used for a long time, please disconnect the battery wire from the circuit board.

When the battery is completely charged insert it on the drone`s hold and connect it.

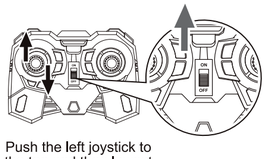
Pay attention to the polarity.

PREPARING BEFORE FLYING

1. Connect battery with power line of receiving board; lay the aerocraft and launching platform on a flat ground (the platform makes it take off at a faster speed); two red LED lights on the shell flash fast.
2. Turn on the power switch of remote controller; push the left joystick to the top and then lowest---start pairing; when it finishes, the remote controller makes a beep sound and the red LED light on the shell is normally on. Now, it goes to the flight mode.



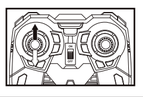
Lay the aerocraft on a flat ground

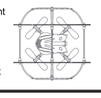


Push the left joystick to the top and then lowest

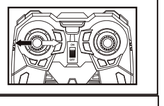
HOW TO CONTROL

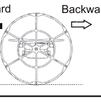
Push up the throttle stick,and the spinning speed of the main blades will increase.The aerocraft begins to ascend.
Pull down the throttle stick,and the spinning speed of the main blades will decrease.The aerocraft begins to descend.



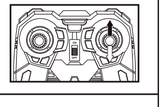


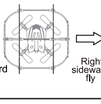
Push the rudder stick to the left,and the aerocraft will turn to left. Push the rudder stick to the right,and the aerocraft will turn to right.



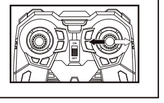


Push the right joystick upward, the fuselage tilts forward and aerocraft flies forward; push the right joystick downward, the fuselage tilts backward and aerocraft flies backward.



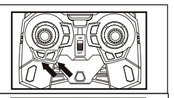
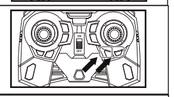
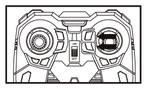


Push the right joystick towards the left, the fuselage tilts to the left and aerocraft flies sideways (towards the left); push the right joystick towards the right, the fuselage tilts to the right and aerocraft flies sideways (towards the right).



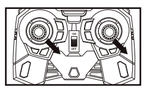
NOTICE

Push the throttle level slowly, please press the trimming buttons when the aerocraft hovers or leans to different directions in the air.

When the drone appears rotating to the left or to the right automatically when hovering in the air, please correct it by dialing the Left/Right Trimmer Key to the right or to the left accordingly.	
When the drone appears flying sideward automatically when hovering in the air, please correct it by dialing the Leftward / Rightward Trimmer Key.	
When the drone appears flying forward or backward automatically when hovering in the air, please correct it by dialing the Forward / Backward Trimmer Key downward or dial this Trimmer Key upward.	

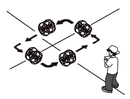
RESET MODE

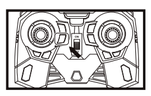
In case of flight disorder or sideward flight, restore factory default settings by the following methods:
When the drone is syncronize, place the drone on a horizontal postion, then push transmitter both left and right lever to lowes right corner for about 2-3 second, indicator on the drone changed from normal lights up to quickly flashing; After 2-3 second, the indicator changed to normal lights, it means the drone restarted /reset successfully.



AUTOMATIC MODE

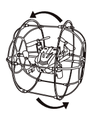
Press the automatic mode button when flying the aerocraft, it will fly in circles automatically.

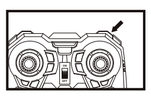




360⁰ FLIP

Press the 360°Flip button on the top right of the radio control transmitter to have it perform 360°flip maneuvers!

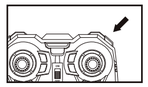


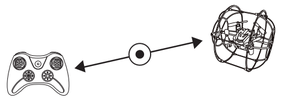


AUTO RETURN

At anytime, press long the Auto-return button. You will hear a short `Beep` and the unit will return to the place of the radio transmitter*. You must control the high.
Be careful when drone get close to you.

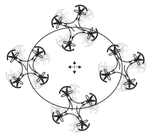
*IMPORTANT NOTE: the drone will return to the place of the radio transmitter as long as you do not change the initial orientation during the flight.



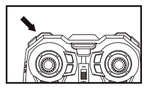


HEADLESS MODE

By default, red led lights are the front of the drone. When flying the unit, your movements with the remote control will work according to the direction of the front.
However, pressing long the button Headless mode you activate it. This makes YOU the center of the unit, so the drone will respond to directions as if it's facing the way you are facing. Your left, right, up, and down also become that for the drone. Please try not to move your possition for better control.



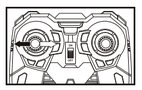
When the headless mode is activated the transmitter will be emiting ‘beeps’ everytime. By pressing the button Headless mode again you desactivate it and the ‘beep’ sounds will stop.



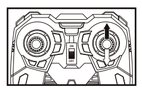
WALL CLIMBING FUNCTION

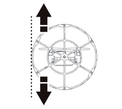
When the drone flies close to the smooth wall, press the “fly/run” mode key and make it switch to the rolling mode (as shown in the figure).

Turn left or right
When you push the left joystick towards the left, the head of the drone turns left; when you push it towards the right, the head of the drone turns right.



Move forward and backward
When you push the right joystick upward, the drone rolls forward; when you push it downward, the drone rolls backward.



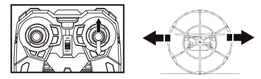


CONTROL METHODS OF RUN MODE

Lay the aerocraft on a flat ground; press the “fly/run” mode button and make it switch to the rolling mode (as shown in figure below)

Turn left/ turn right
When you push the right joystick towards the left, the head of aerocraft turns left; when you push it towards the right, the head of aerocraft turns right.

Move forward/move backward
When you push the right joystick upward, aerocraft rolls forward; when you push it downward, aerocraft rolls backward.



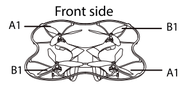
Remark: if the aerocraft runs at a slight slanting direction, please adjust the trimming button (turn left/right) to make it roll at a straight line.

PROBLEMS AND SOLUTIONS

Problem	Reason	Problem shooting
No power with the transmitter	1. Pull to the “OFF” position on the ON/OFF button.	1. Pull to the “ON” position on the ON/ OFF button.
	2. Do not correctly load the batteries as per the correct polarity shown.	2. Check and make sure the batteries are correctly loaded as per the polarity shown in the battery box.
	3. The battery is exhausted.	3. Replace with the new battery.
Can not control	1. Transmitter is not opened.	1. Pull to “ON” position on the ON/OFF button of the transmitter.
	2.The aerocraft battery no connection.	2.The aerocraft battery in the correct orientation connection.
	3.Too strong wind force.	3. Do not fly under the environment of windy as too strong wind may cause flying limitation to the aerocraft or it may hamper your controlling or flying.
	4. Code pairing fails.	4. Retry the code pairing.
Ascending failure	1.The rotating speed of the rotator is too slow.	1. Push the power controlling lever upward.
	2. Battery electric quantity of aerocraft is insufficient.	2. Charge the battery of aerocraft or renew battery.
Landing too soon	The throttle stick is pulled down too fast.	Pull down the throttle stick slowly to perform a smooth landing.
Bad flight stability	1. A strong hit or landing can affect flight stability. 2. An error in changing propellers can affect flight stability.	1. Use the Reset Function 2. Check codes propellers at the bottom of these.

PROPELLER REPLACEMENT

In case of breakage of the propellers, note that the propellers have a code at the bottom. Attention: Replace only the damaged propeller with a spare with the same code, otherwise the drone will not fly properly.



SPARE PARTS

All spare parts can be brought in our website:
www.repuestoswb.com

PRECAUTIONS

WEEE
When this appliance is out of use, please remove all batteries and dispose of them separately. Bring electrical appliances to the local collecting points for waste electrical and electronic equipment. Other components can be disposed of in domestic refuse.

The crossed-out dustbin symbol indicates that batteries, rechargeable batteries, button cells, battery packs, etc. must not be put in the household waste. Batteries are harmful to health and the environment. Please help to protect the environment from health risks. If the toy is out of use, please use common household tool to break the product for built-in rechargeable battery operated toy or unscrew the battery door for replaceable battery operated toy, then take the battery out from the toy. Dispose of battery in accordance with your local battery recycling or disposal laws.

WARNING

1. This product is not a toy but a precisive equipment than integrating mechanics and electronics with expertise of aerodynamics and high-frequencytransmitting. 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 proccess 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 duringthe 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 after-sale service.

Battery warnings:
- Non-rechargeable batteries are not to be recharged.
- Rechargeable batteries are to be removed before being charged. (Transmitter only)
- Rechargeable batteries are only to be charged under adult supervision.
- 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.
- Do not mix old and new batteries. (Transmitter only)
- Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium) batteries. (Transmitter only)

This toy is equipped with a LiPo rechargeable battery, please 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 6 months.
- Toy battey inside can’t be replaced