

Manual

Please read carefully before use!

zoopa Q cruiser 420



Manual

Technical Data

Size:	350x350x80mm
Weight:	106g
Recommended Age:	10+ years
Field of use:	indoor and outdoor
Battery:	3.7V LiPo; 600mAh
Controller:	2.4 GHz
Range :	approx. 80 meter

Vers.: 1.0

© Copyright 2015 ACME the game company GmbH

Safety Advice

WARNING:

NOTE THE FOLLOWING ADVICE,
TO AVOID DAMAGES AND SHORTCUTS:
ONLY USE RECOMMENDED SPARE PARTS
DO NOT DISSAMBLE THE PRODUCT
INNER PARTS CAN BE REPAIRED BY THE USER.
PLEASE CONTACT QUALIFIED STAFF IF YOU ARE NOT
FAMILIAR WITH RC-MODELS.

SERVICE & SUPPORT

ACME the game company GmbH
Boikweg 24

33129 Delbrück
Germany

Tel: +49 2944 973830

service@acme-online.de
or

<http://www.acme-online.de>

WARNING BATTERY

Mishandling the battery may occur explosion, fire and smoke including damage of health or goods. It will also reduce battery performance.

Never charge a damaged Lilon battery pack.

Stop charging if the LiPo battery pack is getting deformed (blown up).

Charge and store the LiPo battery pack at a temperature of 0°C to 40°C – avoid a temperature higher than 50°C when discharging.

Do not shortcut – Risk of explosion and fire!

CE Declaration

Herewith we declare that this item is in accordance with the essential requirements and other relevant regulations of the directive 1999/5/EC. A copy of the original declaration of conformity can be obtained at the address above.

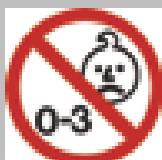


This product uses LiPo batteries. LiPo batteries are recyclable, and a valuable resource. To dispose of the battery, remove it and take it to a resource recovery facility.



WEEE Reg. Nr.: DE64989527

This symbol is marked on a product or packaging, it means that the product including the batteries must not be disposed of with your general household waste. Only discard electrical/electronic items in separate collection schemes, which cater for the recovery and recycling of materials contained within. Your co-operation is vital to ensure the success of these schemes and for the protection of the environment.



ATTENTION!
Choking hazard – Not for children under 3 years!!!

Content of the box

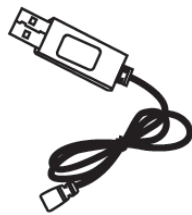
Please check the content before using the product!



1x zoopa Q420 cruiser Quadcopter



1x 2.4GHz controller



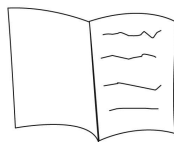
1x USB-Charging cable



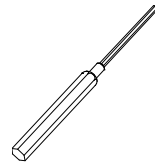
1x FlyCamOne Nano HD
(integrated)



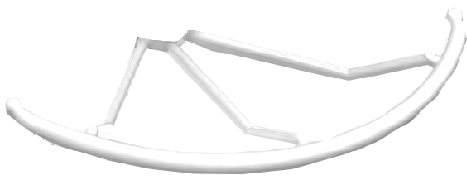
1x LiPo Battery 600mAh 3.7V



1x Manual
1x Screw driver



1x USB-Card Reader



4x Propeller Guards



4x Spare rotors



2x Landing gears

For using, you will additionally require 6 AA-batteries and a micro SD card.

Setup and functions



By pressing the reset button, all controller settings (trims) will be deleted.

In order to optimally balance the model in the air, you can adjust the attitude by pressing the trim buttons.

Please note!

Do not fly if there are people, animals or obstacles nearby!

Do not fly at strong wind or bad weather!

Make sure that you are allowed to fly in the selected area!

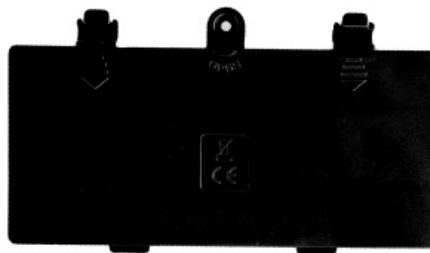
Always switch on the controller at first and make sure it is always switched on during use. Do not switch off before the model is switched off!

First steps and information

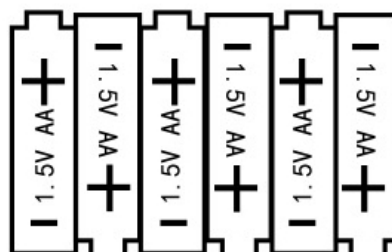
Read this manual carefully.

The zoopa Q 420 cruiser is a RTF (Ready-to-Fly) model.

For activation, you additionally require 6x 1.5V AA mignon batteries for the controller.



Battery Cover



6 1.5V AA Batteries

ACME the game company GmbH assumes no liability for privacy violations and damage to private property caused by the user of the model.

Please follow carefully the instructions in this manual step by step, to ensure proper handling.

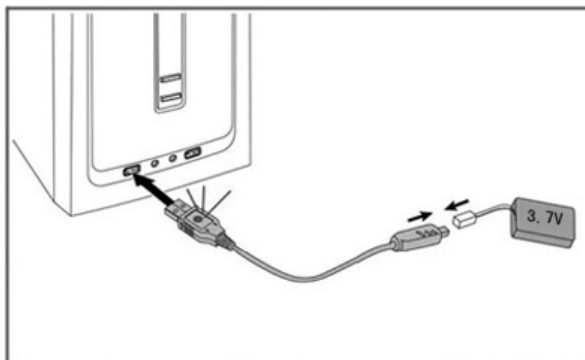
Charging the battery

You can charge the LiPo-battery with the supplied USB cable.

Plug the charger to a USB port / USB-power adaptor.

Connect the LiPo battery to the charger. Check the polarity and also that the plug is firmly connected. The USB plug lights up in red.

Charging takes around 60-80 minutes. Once the battery is fully charged, the LED will shut down.

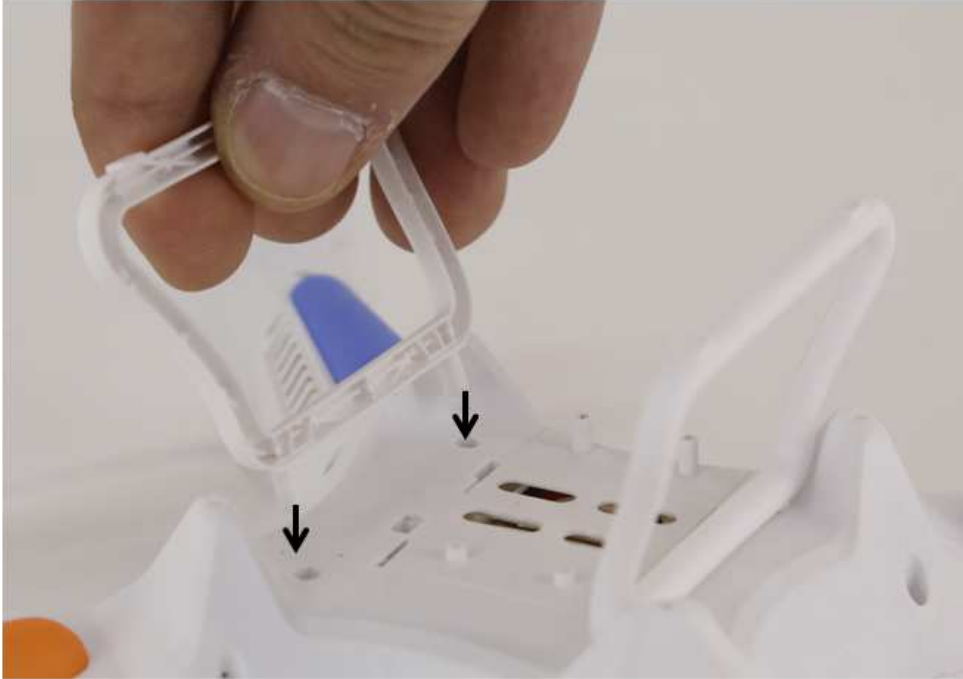


Please only use the original battery, as batteries from another supplier might use another polarity! We also recommended our USB power adaptor (Art.No. AA0150-X).

Mounting the landing gears and propeller guards

Only a few steps are required to start flying.

Put the two landing gears in the provided holes on the bottom of the zoopa Q 420.



To mount the propeller guards, please follow these steps:

- Turn out the screw from the bottom of each arm
- Now place the rotor protection
- Turn in the screw again



Inserting the battery

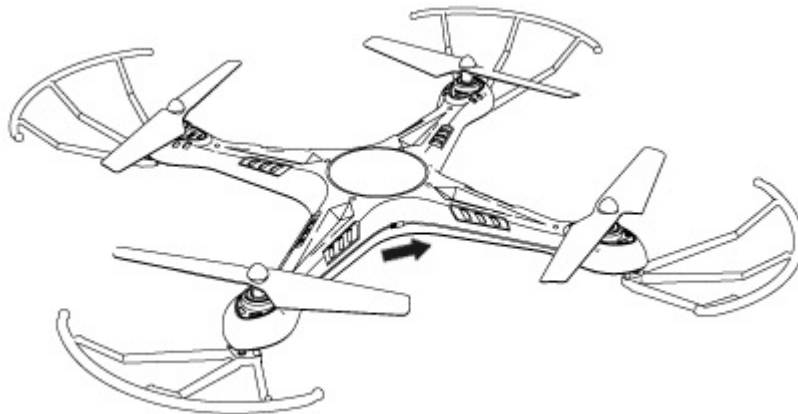
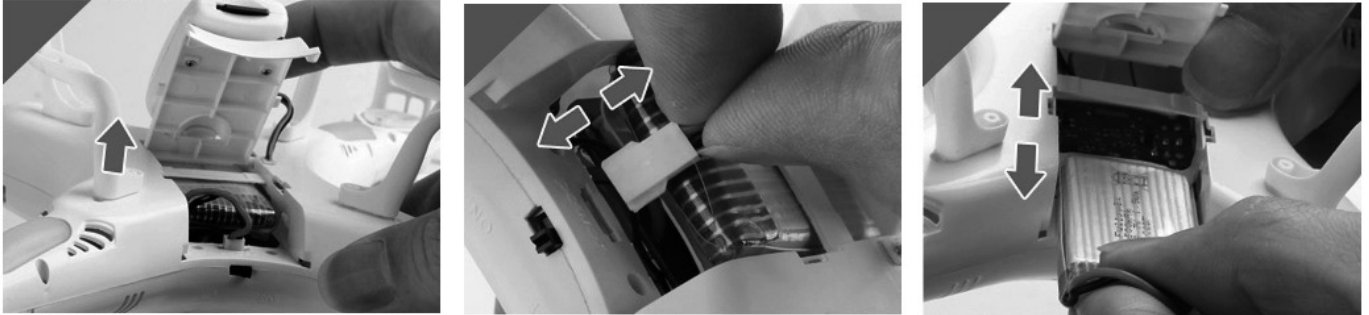
Switch on the controller. The LED starts flashing. Pull down the gas stick (left lever).

Once the battery is fully charged, insert it into the case on the bottom of the model.

Check the polarity before you connect the battery!

Close the case.

Always switch on the controller before you connect the battery!



The On/Off switch is located between the rear rotors.

Controller and model are already bonded out of the box.

Anyway it might be possible that you need to re-bind them again. To perform this, keep pressed the left button on the top of the controller before you switch it on.



Beginner and Professional mode

You can choose between beginner and professional mode in 4 steps. The model flies with lower speed in beginner mode. This helps you to carefully check all controls. When choosing the 3 additional modes, the model will fly faster and more agile.

To change the modes, press the left button on the top of controller while the model is already **activated**.



A beep- sound will confirm the setting. The different modes are being displayed by various sounds.

- | | |
|-------------------|-------------------------------|
| 1 - Beginner | (60% amplitude/ motor power) |
| 2 - Beginner plus | (70% amplitude/ motor power) |
| 3 – Advanced | (80% amplitude/ motor power) |
| 4 – Professional | (100% amplitude/ motor power) |

First fly

Before you perform your first flights, make sure that there are no persons or animals nearby.

Keep a free area of 3x3 meters !

Place the zoopa Q420 cruiser on an even surface.

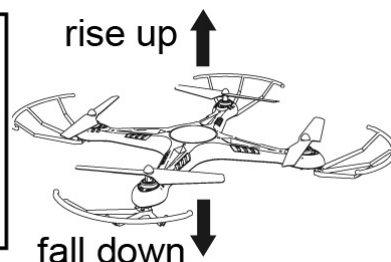
The orange rotors show the front of the model. The black rotors show the rear of the quadrocopter.

The different colors help you to have a better orientation during flight.

Pull the gas stick up slowly at first.

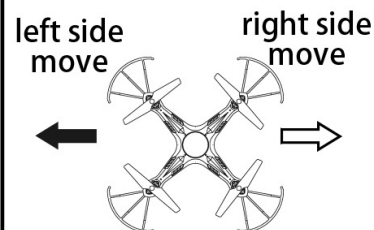
Up / Down

Move the gas stick (left lever) up to rise the model and pull it down to decrease the height.



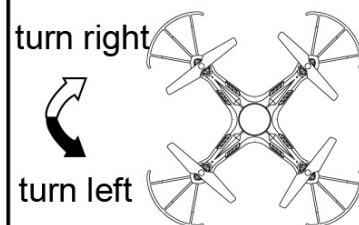
Right / Left

Move the control stick (right lever) to pan the model to the left and right.



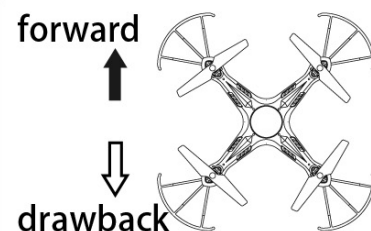
Turn

Move the left stick to the left or right to perform a turn around the own axis.



Forwards / Backwards

Move the control stick (right) up and down to fly forward and backward.

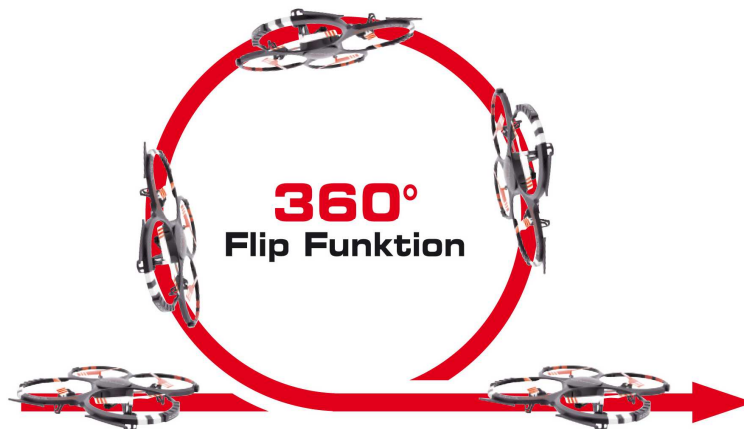


360° Flip Mode

To perform a 360° flip, press the upper right button as shown below.



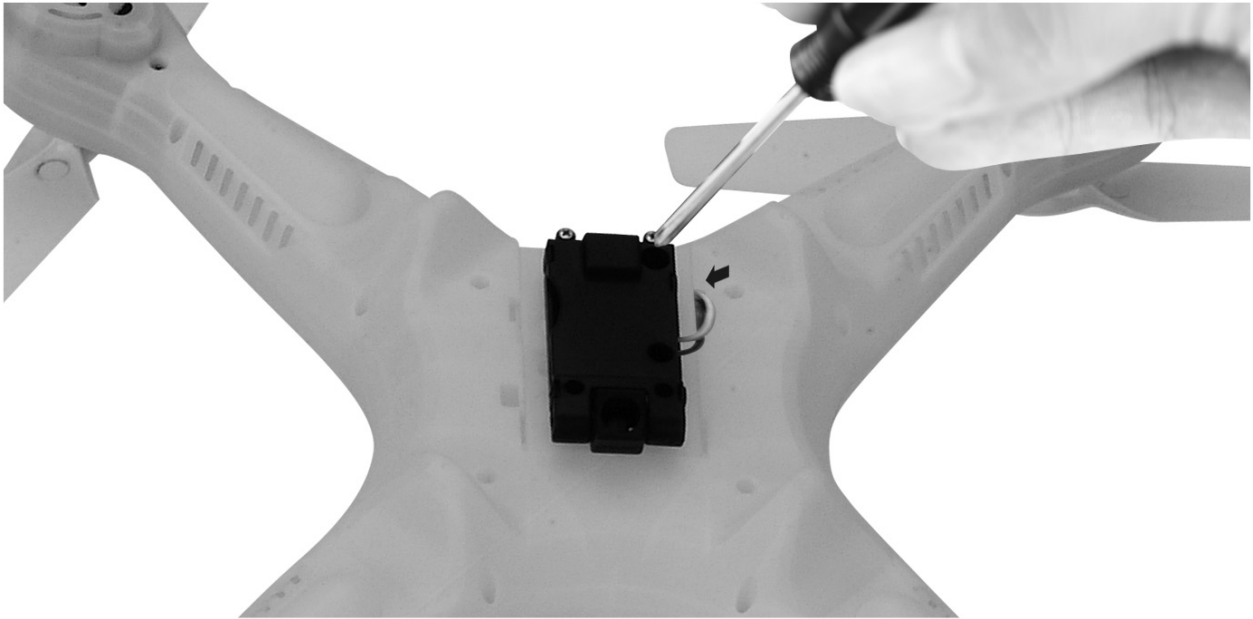
By pressing the button, you can now move the model at its own tilting axis. Make sure that you have sufficient space and flight height (min 2m) when performing this.



Camera

Video- and photo recording

1. Insert a memory card (max. 8GB) into the micro SD slot. Make sure that it is properly engaged.
2. Press the camera button (photo or video) on the controller to start the recording. In video mode, you can stop the recording by pressing the button again.
3. Switch off the quadcopter. Remove the memory card and insert it into the USB card reader. Open the device that is recognized by your computer. Before you playback the recording, you should copy it on your hard drive. We recommend the VLC media player which is available for free online.



Battery care

To ensure a long battery life, please follow these steps:

- Never store the model in activated mode, make sure it is switched off.
- Only store with charged battery (min. 85% capacity)
- Disconnect the battery from the model
- Store at room temperature
- When not using, make sure the battery will be charged every 3 months

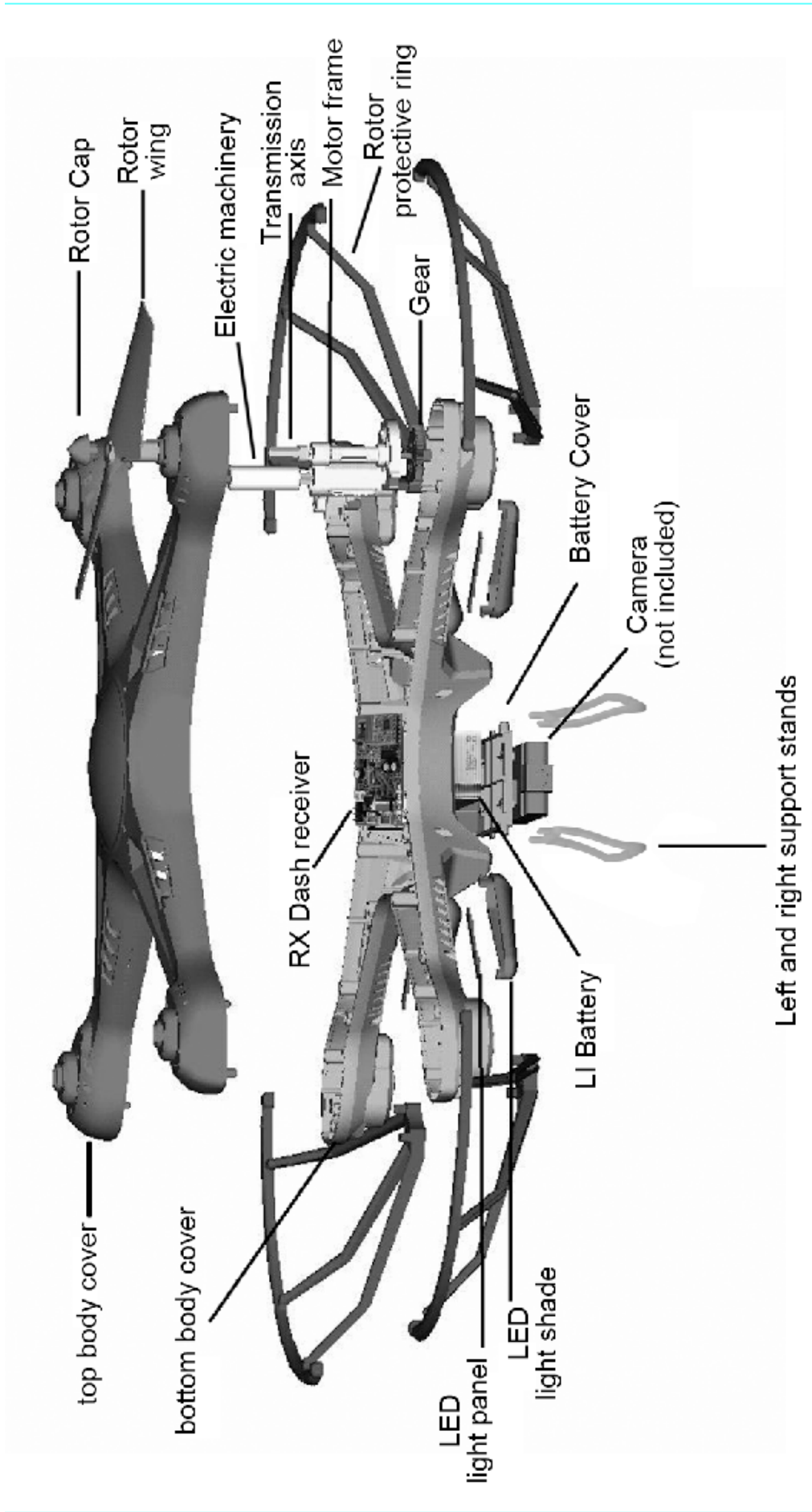
If these steps are not being followed, the battery might get damaged.

Rotor replacement

You can replace the rotors in a few steps.

Remove the cap which is located in the middle of the rotor arm and then turn out the screw by using the supplied screw driver. Pull of the rotor from the axis.

Make sure that you are replacing the rotor by the correct one (follow the marks on the rotors).



Troubleshooting

Error	Source	Solution
The model does not react on the commands	Controller batteries are not inserted correctly.	Check the battery
	Batteries are empty	Replace the batteries
	Model battery is empty	Charge the battery
The model makes strange sounds	Blades/ Gears are damaged	Check these and replace them if needed
The controller has no connection to the model	Weak battery	Charge the battery
	Controller batteries are empty	Replace the batteries
	Battery damaged	Replace the battery
	The model is out of range	
The model shows a weak performance	The motor is worn out	Check all motors and replace it if needed

You can contact us anytime if you have further problems!
Please find our details at the “Service & Support” section.

Accessories and Spares

Art. No.	Item
ZQ0420-A	zoopa Q 420 cruiser Body
ZQ0420-B	zoopa Q 420 cruiser LiPo battery 3.7V 600mAh
ZQ0420-C	zoopa Q 420 cruiser Rotor set
ZQ0420-D	zoopa Q 420 cruiser Rotor protection
ZQ0420-E	zoopa Q 420 cruiser USB-Cable
FC2470	FlyCamOne nano camera 720p
FCHD43	USB power adaptor

Warranty

The consumer is without prejudice to any claim against the seller granted a guarantee to the following conditions:

- » New devices and their components exhibiting defects within 24 months from the purchase due to manufacturing and / or material faults, are ACME the game company at its option, reflecting the current state of the art exchanged or repaired free device. For wear parts (eg batteries, motors, etc.), this warranty is valid or 3 months from purchase.
- » This warranty does not apply if the device defect is due to improper treatment and / or failure to comply with these instructions.
- » This warranty does not extend to self- paid by the customer services.
- » Warranty claims are to make immediate payment of the Guarantee case.
- » Ownership of devices or components that are returned to ACME the game company as part of the exchange, shall become the property of ACME the game company.
- » By services rendered under warranty, the warranty period is not extended.
- » So far there is no warranty case to ACME the game company reserves the right to charge the customer for replacement, repair, or shipping costs. The customer will be informed in advance.

Damages resulting from mechanical influences are not covered under warranty.

Service & Support

**ACME the game company GmbH
Boikweg 24
33129 Delbrück
Germany
Tel.: +49 2944-973830**

**E-Mail: service@acme-online.de
Web: www.acme-online.de**