

**Start the rotors and motors**

**13a** Press the 'Start rotors' button on the controller, in order to start the motors. You can lift the throttle control upwards as soon as the rotors are running.

**Looping function**

**WARNING! ONLY FOR EXPERIENCED PILOTS!**

**13b** If you press the "Looping Button", then an acoustic signal sounds 5x times. As long as the acoustic signal sounds, slide the right-hand joystick up, down, to the right or to the left. The Quadcopter then carries out the loop or roll in the respective direction. Before you do this, make sure you have ample room on all sides (about 2.5 m - 8').

**Beginner/Advanced switch**

**WARNING! 100% IS ONLY FOR EXPERIENCED PILOTS!**

**13c** **30% = beginner mode**  
Signal sounds once on switching over.  
**60% = medium mode**  
The quadcopter reacts more sensitively than in 30% mode. Signal sounds twice on switching over.  
**100% = Advanced Modus -> 3D Modus**  
The Quadcopter reacts very sensitively to joystick movements. Signal sounds three times on switching over.

**Automatic control of altitude**

**14** The Quadcopter will maintain the current flying altitude automatically as soon as you release the left-hand joystick during the flight.

**Auto Landing**

**15** You can trigger the automatic landing function at any time by means of pressing the 'Auto landing' button. The speed of the rotors will reduce gradually as a result. You are able to influence the landing position at any time during the landing procedure by means of moving the right-hand joystick. The motor will switch itself off as soon as the Quadcopter is on the ground.

**Auto-Start & Fly to 1 m**

**16** Press the 'Auto-start & fly to 1 m' button on the controller, in order to start the motors and automatically fly up to the altitude of about 1 m. You are able to influence the direction of flight at any time during the starting operation by means of moving the right joystick. The Quadcopter will maintain itself in position automatically as soon as the altitude of about 1 m has been reached.

**Trimming the Quadcopter**

**17** **Auto-trimming**  
1. Place the Quadcopter on a horizontal surface.  
2. Link the Quadcopter with the controller as described in "Linking the model with the controller".  
3. Slide the gas lever and the lever for forward / back simultaneously into the right lower corner. The LED on the Quadcopter flashes on briefly and then lights up continuously. The signalling tone will sound once.  
4. The neutral setting is completed.

**18** When hovering, if the Quadcopter flies to the left or right without you moving the lever for left / right movement, please proceed as follows: If the Quadcopter moves on its own fast or slow sideways to the left, press the lower right trimmer for right / left tilt in steps to the right. If the Quadcopter moves right, press the trimmer for right / left tilt in steps to the left.

**19** When hovering, if the Quadcopter flies forwards or backwards without you moving the lever for forwards or backwards movement, please proceed as follows: If the Quadcopter moves on its own fast or slow forwards, press the upper right trimmer for forwards / backwards in steps downwards. If the Quadcopter moves backwards, press the trimmer for forwards / backwards in steps upwards.

ceed as follows: If the Quadcopter moves on its own fast or slow forwards, press the upper right trimmer for forwards / backwards in steps downwards. If the Quadcopter moves backwards, press the trimmer for forwards / backwards in steps upwards.

**20** When hovering and without you moving the lever for circling on the spot, if the quadcopter rotates to left or right, proceed as follows: If the Quadcopter rotates quickly or slowly to the left around its own axis, press the trimmer for rotation below left in steps to the right. If the Quadcopter rotates to the right, press the trimmer for rotation in steps to the left.

**Changing the rotor blades**

**21** Use a smooth narrow object to help draw off a rotor blade if necessary. Make sure that you draw the rotor blade with great care vertically upwards, and then the motor from below to stabilise it.

**22** **WARNING!**  
Be sure to note the marking and colour, also the tilt angle of the rotor blades!  
**Front left: red - marking "A"**  
**Front right: red - marking "B"**  
**Rear right: black - marking "A"**  
**Rear left: black - marking "B"**

**23** QR code for motor-change system, spare parts and further information.

**Troubleshooting**

**Problem:** Remote control does not work.  
**Cause:** The ON/OFF-power switch is turned "OFF".  
**Solution:** Turn the ON/OFF-power switch "ON".  
**Cause:** The batteries have been wrongly inserted.  
**Solution:** Check if the batteries have been correctly inserted.  
**Cause:** The batteries do not have enough power.  
**Solution:** Insert new batteries.

**Problem:** The Quadcopter cannot be controlled with the remote control  
**Cause:** The power switch on the remote control is turned "OFF".  
**Solution:** First turn the power switch on the remote control "ON".  
**Cause:** The remote control is possibly not correctly frequency bound with the receiver on the Quadcopter.  
**Solution:** Please carry out the binding procedure as described in "Checklist for flight preparation".

**Problem:** The Quadcopter does not lift.  
**Cause:** The rotor blades rotate too slowly.  
**Solution:** Slide the gas lever up.  
**Cause:** The battery's power is not sufficient.  
**Solution:** Charge the battery (see chapter "Charging the battery").

**Problem:** During flight, the Quadcopter loses speed and height without any obvious reason.  
**Cause:** The battery is too weak.  
**Solution:** Charge the battery (see chapter "Charging the battery").

**Problem:** The quadcopter only flies in a circle or turns over on starting.  
**Cause:** Rotor blades incorrectly fitted or damaged.  
**Solution:** Fit rotor blades / replace rotor blades as described in **21 22 23**.

Errors and changes excepted  
Colours / final design - changes excepted  
Technical changes and design-related changes excepted  
Pictograms = symbolic photos



**USA CDN** **Assembly and operating instructions**  
**F** **Instructions de montage et d'utilisation**  
**E** **Instrucciones de montaje y de servicio**

# 370503024 Carrera RC Nintendo Mini Mario-Copter



**WARNING:**  
CHOKING HAZARD-SMALL PARTS  
NOT FOR CHILDREN UNDER 3 YEARS.

**ATTENTION:**  
DANGER D'ÉTOUFFEMENT - PRÉSENCE DE PETITES PIÈCES  
NE CONVIENT PAS AUX ENFANTS DE MOINS DE 3 ANS.

032019\_A8\_USA-Canada\_V01

carrera-rc.com

Stadlbauer Marketing + Vertrieb GmbH · Rennbahn Allee 1 · 5412 Puch / Salzburg · Austria



Made in China, Shantou  
Fabriqué en Chine, Shantou



**1**

3,7V --- 430mAh  
1.59 Wh LiPo

2x 1.5 V Mignon AA batteries  
2x Accus 1, 5 V mignon AA  
2x Pilas de 1,5 V Mignon AA

TM & © 2019 Nintendo. All Rights Reserved.

**2**

**a** LED OFF = Charging  
DEL OFF = En charge  
LED OFF = Cargando

**b**

Green = Ready  
Vert = Prêt  
Verde = Listo

**3**

2x 1.5 V Mignon AA batteries  
2x Accus 1, 5 V mignon AA  
2x Pilas de 1,5 V Mignon AA

**4**

ON

**5**

top side  
face  
supérieure  
cara superior

**6**

underside  
face  
inférieure  
cara inferior

**7**

ARRÊT PARADA  
MARCHE (3 sec.)  
ARRANQUE (3 seg.)

START  
STOP (3 sec.)

AUTO

3D LOOPING

1 m AUTO

BEGINNER / DÉBUTANT / PRINCIPIANTE  
ADVANCED / AVANCÉ / AVANZADO

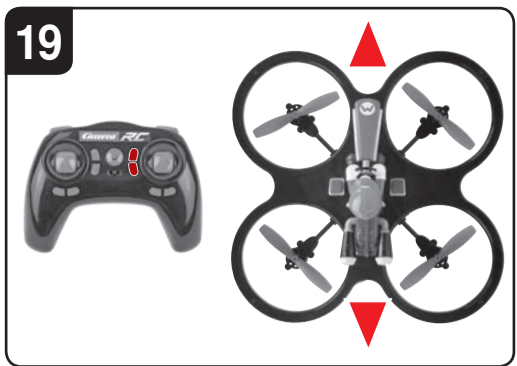
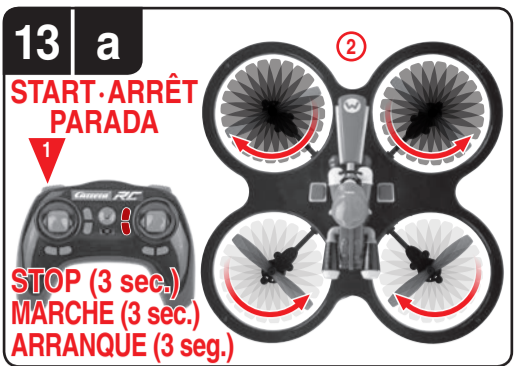
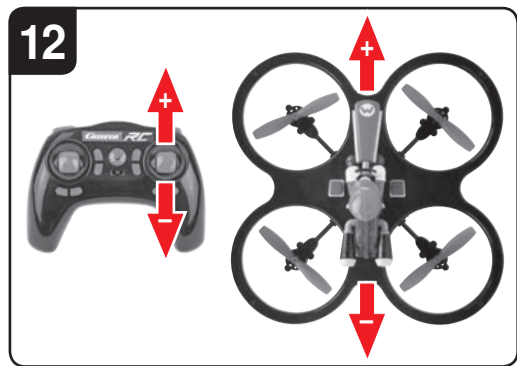
**8**

2,4m  
5m 5m

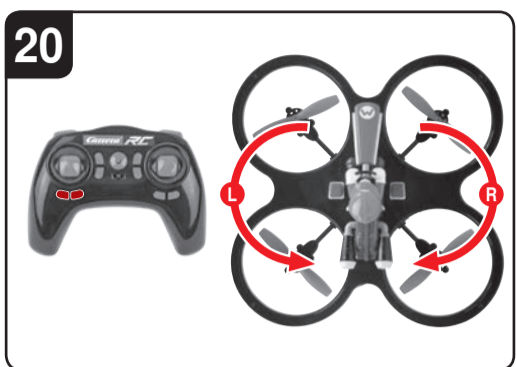
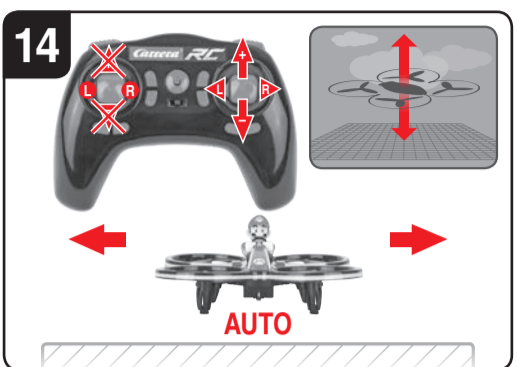
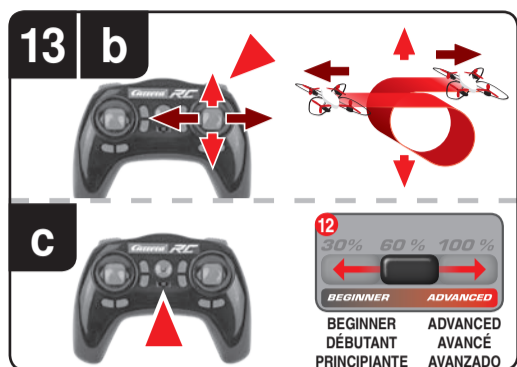
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**10**

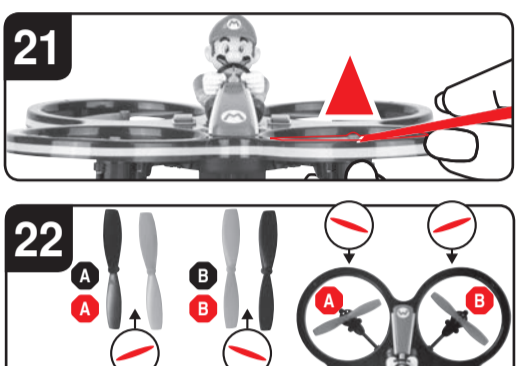
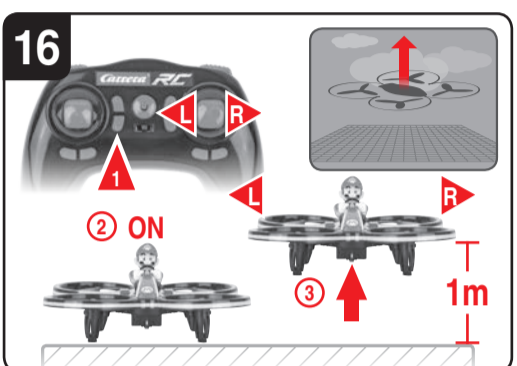
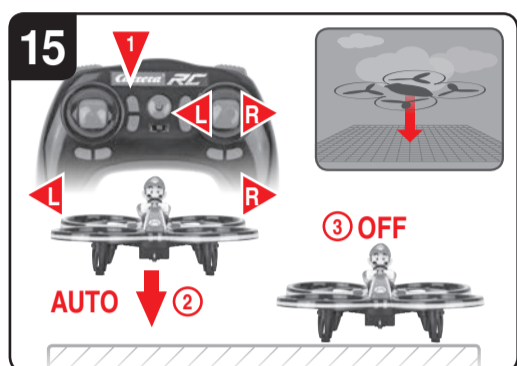
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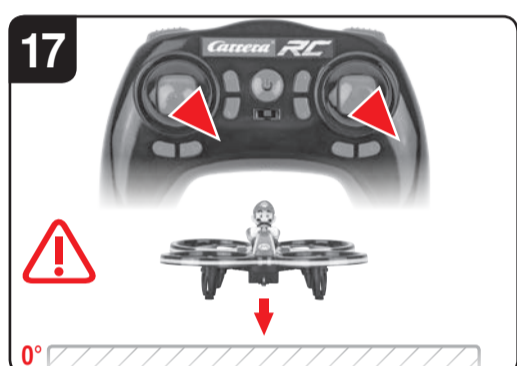
**USA CDN** Dear customer  
 Congratulations! You bought a Carrera RC Quadcopter which has been manufactured according to today's state-of-the-art technology. As it is our constant endeavour to develop and improve our products, we reserve the right to make modifications, either of a technical nature or with respect to features, materials and design, at any time, and without prior notice. For this reason, no claims will be accepted for any slight deviations in your product from the data and illustrations contained in these instructions. These operating and assembly instructions are an integral part of the product. Non-observance of these operating instructions and the safety instructions they contain will render the guarantee null and void. These instructions are to be kept for future reference and in the event that the product is passed on to a third party.  
 For the latest version of these operating instructions and information on replacement and spare parts available, please visit [carrera-rc.com](http://carrera-rc.com) in the service area.  
**WARNING!** Before you first fly the model, find out whether there is a legal requirement to insure model aeroplanes such as this in your country.






**Guarantee conditions**  
 Carrera products are technically advanced products (NO TOYS) which should be handled with care. It is important to follow the directions given in the operating instructions. All components have been subjected to careful inspection (technical modifications and alterations to the model for the purpose of product improvement are reserved). Should any faults nevertheless occur, guarantee is assumed within the scope of the following conditions:  
 In accordance with the following provisions, Stadlbauer Marketing + Vertrieb GmbH (hereinafter referred to as "manufacturer") warrants to the end consumer (hereinafter referred to as "customer") that the Carrera RC-model-Quadcopter (hereinafter referred to as "product") delivered to the customer shall be free from defects in material or workmanship for two years from the date of purchase (guarantee period). Such defects will, at the manufacturer's option, either be repaired by the manufacturer or fixed by delivering new or refurbished parts free of charge. The warranty does not cover failure due to normal wear and tear, (e.g. to batteries, rotor blades, cabin covering, gear wheels etc.), or damage as a result of improper handling/misuse or unauthorised interference. Any other customer's claims asserted against the manufacturer, especially action for damages, shall be excluded. The contractual and statutory rights of the customer against the seller (supplementary performance, rescission of the contract, abatement, compensation) which exist with the product not having been free from defects at the time of the passing of risk, shall remain unaffected by this warranty.



**Claims from this special warranty shall only be valid if:**  
 • the defect reported has not arisen by damage caused by unintended use or misuse as specified in the instruction manual,  
 • the failure of the product is not due to normal wear and tear  
 • the product does not show any signs resulting from repairs or other interferences carried out by workshops not having been authorised by the manufacturer,  
 • the product has only been operated with accessories authorised by the manufacturer.  
**Guarantee cards cannot be replaced.**



**Note for EU countries:** Reference is hereby made to the seller's statutory guarantee obligation, to the extent that this guarantee obligation is not restricted by the product guarantee.  
**Declaration of conformity**  
 Stadlbauer Marketing + Vertrieb GmbH hereby declares that this model including the controller conforms with the fundamental requirements of the following EC directives: EC Directives 2009/48 and the other relevant regulations of Directive 2014/53/EU (RED). The original declaration of conformity can be requested from [carrera-rc.com](http://carrera-rc.com).  
    
 Maximum radio-frequency power transmitted <10 dBm  
 Frequency range: 2400-2483.5 MHz

the toy over to the child. For information and to answer any questions, please retain packaging, address and instructions in a safe place for future reference. Keep the instructions for use for later reference. Note for adult supervisors: Check if the toy is assembled as instructed. The assembly shall be performed under the supervision of an adult.

**WARNING! Not suitable for children under 8 years old!**  
 This product is not intended for use by children without supervision of a parent. Flying the helicopter requires skill and children must be trained under the direct supervision of an adult. Before first use: Read the user's information together with your child.  
 Inappropriate use may result in severe injuries and/or damage to property. It has to be operated with care and caution and requires both mechanical and mental skills. The operating instructions contain notes on safety and technical regulations as well as information on maintaining and operating the product. It is indispensable to read these instructions thoroughly before the first usage. Only this helps to avoid accidents with injuries and damage.  
 Hands, hair and loose clothing, including other objects such as pens and screwdrivers must be kept away from the propeller (rotor). Do not touch the rotating rotor. Especially take care that your hands DO NOT get close to the rotor blades!  
**CAUTION: Risk of eye injuries. Do not fly near your face to avoid injuries.** For safe use, the room where the toy is used must be sufficiently large. Start and fly only when the area is appropriate for the intended use (free area, no obstacles) and only within direct visual contact. As user of this product you are solely responsible for handling it safely in order to ensure that neither you nor other persons or their property suffer damages or are endangered.


- Never use your model with weak remote control batteries.
- Avoid busy areas. Always make sure that there is enough space.
- Preferably do not use your model on an open street or in public areas in order not to endanger or hurt anyone.
- **CAUTION: Do not start up and fly when persons, animals or any obstructions are within the flying range of the Quadcopter.**
- Start and fly is strictly forbidden near high voltage poles, railway tracks, roads, swimming pools or open water.
- Only operate under good visibility and calm weather conditions.
- Exactly observe the instructions and warnings for this product and for any possible additional equipment (battery charger, rechargeable batteries etc.) being used by you.
- Should the Quadcopter come into contact with any living thing or solid object, immediately return the gas control to zero, in other words the left-hand joystick must be at the stop at the bottom of the slide!
- Avoid any moisture as this might do damage to the electronics.
- There is a risk to suffer severe injury or even death if you put parts of your model into your mouth or lick them.
- Do not change or modify anything on the Quadcopter.

If you do not agree to these terms please immediately return the complete Quadcopter model in new and unused condition to the retailer.

**Important information concerning Lithium Polymer rechargeable batteries**  
 Lithium-Polymer (LiPo) rechargeable batteries are significantly more sensitive than traditional alkali- or NiMH-rechargeable batteries normally used with radio control units. Therefore the instructions and warnings have to be observed in detail. In case of improper use of LiPo rechargeable batteries there is a danger of fire. Always follow the manufacturers' instructions if you dispose of LiPo rechargeable batteries.

**Regulations on disposal for waste electrical and electronic equipment (WEEE)**  
 This symbol, showing refuse bins with a cross through them, denotes that empty batteries, rechargeable batteries, button cells, rechargeable battery packs, equipment batteries, disused electrical equipment, etc. should not be disposed of in domestic refuse, as they are harmful to the environment and health. Please help to preserve environment and health and talk to your children about the correct disposal of used batteries and disused electrical equipment. Batteries and disused electrical equipment should be handed in to the usual collection points where they can be properly recycled.  
 Do not mix dissimilar battery types or employ new and used batteries together. Do not attempt to recharge non-rechargeable batteries.

**WARNING!** Used batteries or accumulators must be removed from the toy. Rechargeable batteries should be removed from the product before charging. Supply terminal are not to be short-circuited. Only use the batteries recommended or equivalent types. Batteries are to be inserted with the correct polarity. Rechargeable batteries are only to be charged by adults.  
 If in regular use the charger must be examined for damage to the cord, plug, covers and all other parts. If any signs of damage are found the charger may only be used again after repair work has been completed. The external flexible cable or cord of this charger cannot be replaced: If the cord is damaged the

charger shall be scrapped. The toy is only to be connected to Class II equipment bearing the following symbol. 

**FCC statement**  
 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.

**IC statement**  
 This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:  
 (1) this device may not cause interference, and  
 (2) this device must accept any interference, including interference that may cause undesired operation of the device.

**Guidelines and warnings for the use of LiPo rechargeable batteries**  
 • You have to charge the attached 3.7 V 430 mAh / 1.59 Wh LiPo rechargeable battery in a safe place and at a safe distance to flammable material.  
 • Never leave the battery unattended while it is charging  
 • After a flight, the rechargeable battery has to cool down to the ambient air temperature before charging it.  
 • You must always use the corresponding LiPo charging unit (USB cable / remote control). In case of non-compliance with these directions there is a danger of fire resulting in a health risk and/or damage to property. NEVER use any other battery charger.  
 • Should the rechargeable battery swell or deform while discharging or recharging, you have to immediately stop charging or discharging the battery. Take the battery out as quickly and carefully as possible and place it in a safe and open area offside any inflammable material and watch it for at least 15 minutes. In case you continue charging or discharging a battery which has already started to swell or deform there is a danger of fire! Even in case of slight deforming or ballooning the rechargeable battery has to be taken out of operation.  
 • Store the rechargeable battery at ambient temperature in a dry place.  
 • Always recharge the battery immediately after use to prevent its becoming deep discharged. Please make sure to allow a pause of about 20 minutes between finishing the flight and recharging the battery. Recharge the battery occasionally (suggested every 2-3 months). Failure to treat the battery as described above can lead to its becoming defective.  
 • When transporting or temporarily storing the rechargeable battery the temperature should be between 5-50°C. If possible, do not store the battery or the model in a car and do not expose it to direct sunlight. In case the battery is broiled it can be damaged or catch fire.

**Note:** If the battery voltage/output is low you will recognise that a considerable trim and/or controlling is necessary to avoid that the Quadcopter starts trundling. This usually occurs before reaching a battery voltage of 3 V and it is a good moment to end the flight.

**Contents of package**  
 1x Quadcopter  
 1x Controller  
 1x USB charging cable  
 1x Rechargeable Battery  
 2x 1.5 V Mignon AA batteries (non-rechargeable)

**Recharging the LiPo rechargeable battery**  
 Make sure you only charge the LiPo rechargeable battery supplied with the LiPo charging unit also supplied (USB cable and remote control). If you try to charge the rechargeable battery with a different LiPo battery charger or any other battery charger, this might cause serious damage. Please carefully read the previous chapter with warnings and guidelines on the usage of rechargeable batteries before proceeding. Supply terminals are not to be short-circuited. You can charge the rechargeable battery fitted in the Quadcopter with its USB charging cable from a USB port on a computer.  
**Charging via computer:**  
 • Rechargeable batteries are to be removed from the model before being charged.  
 • Connect the USB charging cable with the USB port of a computer. The LED on the USB charger cable lights green indicating that the charger unit is correctly connected to the computer. If you plug in a Quadcopter with a discharged battery, the LED on the USB charging cable no longer lights up,

showing that the Quadcopter battery is being charged. The USB charging cable and the charging socket on the Quadcopter are designed to make incorrect connection impossible.

• It takes about 60 minutes to recharge a discharged battery (but NOT a deep-discharged one). When the battery is fully charged, the LED display on the USB charger cable lights up green again.  
**Note:** when supplied, the liPo-battery is already partially charged. So the first charging cycle may well take less time.

**It is essential to follow the connection sequence given above!**  
**Undo the plugged connection on the Quadcopter when you are not using the Quadcopter. Failure to observe this precaution may cause battery damage!**

**2b Insertion of the rechargeable batteries into the Quadcopter**  
 • Open the cover of the battery compartment with the aid of a screwdriver. Insert the battery. Close the battery compartment.  
 • If the LED on the Quadcopter flashes slowly, you must change the battery.

**Inserting the batteries in the remote control**  
**3** Open the battery compartment with a screwdriver and insert the batteries in the remote control. Please keep in mind the correct polarity. Different types of batteries or new and used batteries are not to be mixed. After having closed the compartment you can check all functions of the remote control with the help of the power-switch on the front. With the power switch turned ON and functioning correctly, the top centre LED on the remote control will light up red. If the LED control flashes slowly and an acoustic signal is heard, the batteries in the controller must be changed.

**Frequency bind between model and remote control**  
**4** The Carrera RC Quadcopter and the controller automatically link up renewed with every operational start-up. If initially there are any problems with communication between the Carrera RC Quadcopter and the remote control, please carry out a new frequency bind.  
 • Connect the battery in the model.  
 • Switch the model ON at the ON/OFF switch.  
 • **WARNING! Immediately after switching it on, place the Quadcopter on a flat and level surface. The gyro-system will then set itself automatically.**  
 • The LEDs on the quadcopter now flash rhythmically.  
 • Switch on the controller at the power switch.  
 • Slide the left joystick, thus the gas lever, completely up and down again into the zero position.  
 • The binding has now been successfully established.  
 • The LED on the controller now lights continuously.  
 • After approx. 5½ minutes, the controller switches off. Please repeat the link procedure for renewed use.

**Description of the Quadcopter**  
**5** 1. Rotor system  
 2. Rotor protection cage  
**6** 3. Battery cable  
 4. Quadcopter connecting plug  
 5. Battery compartment  
 6. ON/OFF switch

**Range of functions of the remote control**  
**7** 1. Power (ON / OFF)  
 2. Control LED  
 3. Gas Circling  
 4. Forwards / backwards right / left banking  
 5. Trimmer for right / left banking  
 6. Trimmer for forwards / backwards  
 7. Trimmer for rotation  
 8. Looping Button  
 9. Start rotor / button  
 10. 'Auto-landing' button  
 11. 'Auto-start & fly to 1 m' button  
 12. Beginner/Advanced switch (30%/60%/100%)  
 13. Battery compartment

**Choosing the flight area**  
**8** When being prepared for the first flight you should choose a closed room which is as large as possible without any persons or obstacles. Due to its size and controllability, experienced pilots may be able to fly the Quadcopter in relatively small rooms. For your first flights we strongly recommend you choose a room with a minimum floor space of 5 x 5 metres and 2.40 metres in height. After having trimmed your Quadcopter for flight and made yourself familiar with the controller and its functions you may start flying in smaller and less open environments.  
**To be used in domestic area (house and garden) only.** There must be no persons or objects such as pillars between the controller and the Quadcopter to obstruct direct connection.

**Checklist for flight preparation**  
 This checklist is not a substitute for the contents of the operating instructions. Although it can be used as a quick-start-guide, we strongly recommend you first to read the operating instructions in detail before you proceed.  
 • Check the contents of the package.  
 • Connect the charging unit to the source of power.  
 • Charge the liPo-battery as described in the section "Recharging the LiPo rechargeable battery".  
 • Fit 2 AA batteries in the controller, making sure their polarity is correct.  
 • Look for a suitable environment for flying.  
 • Slide the battery into the battery bay on the bottom of the Quadcopter. **2b**  
 • Connect the battery in the model.  
 • Switch the model ON at the ON/OFF switch.  
 • **WARNING! Immediately after switching it on, place the Quadcopter on a flat and level surface. The gyro-system will then set itself automatically.**  
 • The LEDs on the quadcopter flash.  
 • Switch on the controller at the ON/OFF switch. **Be sure to check the Beginner-Advanced switch 18c.** Push the left-hand joystick, i.e. the throttle lever, right to the top, then fully downwards into the zero position.  
 • Allow the Quadcopter a few moments until the system is correctly initialised and is ready for operation. The LED in the Quadcopter now lights continuously. The LED on the controller now lights continuously.  
 • Repeat the above points as required, if you wish to fly more Quadcopters at the same time.  
 • **Important note! Please perform the auto-trimming 17 before each flight without fail!**  
 • Check the control system.  
 • Make yourself familiar with the control system.  
 • **Trim the Quadcopter as necessary as described under 17 18 19 20 so that when hovering it no longer moves from the spot without a command from the controller.**  
 • The Quadcopter is now ready to be flown.  
 • If the Quadcopter displays no functions, retry the above binding procedure.  
 • Fly the model.  
 • Land the model.  
 • Switch the model off at the ON/OFF switch  
 • **Disconnect the battery plug connection.**  
 • Always switch off the remote control last.


**Flying the 4-channel Quadcopter**  
**NOTE!** Take care particularly in the first few flights to move the lever on the controller very gently and not over-hurriedly. As a rule, only very small movements of the respective levers are necessary to carry out the desired control commands!  
 If you notice that the Quadcopter moves forwards or to the side without your touching the respective lever, please adjust the trim of the Quadcopter as described in 17 18 19 20.

**9 +/- Gas (up / down)**  
 To start or to fly higher, push the gas lever on the left cautiously forwards. To land or fly lower, push the gas lever on the left cautiously backwards.

**10** To make the Quadcopter circle to the left or the right on the spot, move the lever on the left cautiously to the left or the right.

**11** To fly the Quadcopter to the left or the right, push the lever on the right cautiously to the left or the right.

**12** To fly the Quadcopter forwards or backwards, push the lever on the right cautiously forwards or backwards.

**Warning!**  
 **WARNING!** This toy contains small parts which can be swallowed and is therefore not suitable for children under 3 years of age.  
 **WARNING!** Danger of pinching during operation! Remove all packaging materials and wire fastenings before handling

**23** 