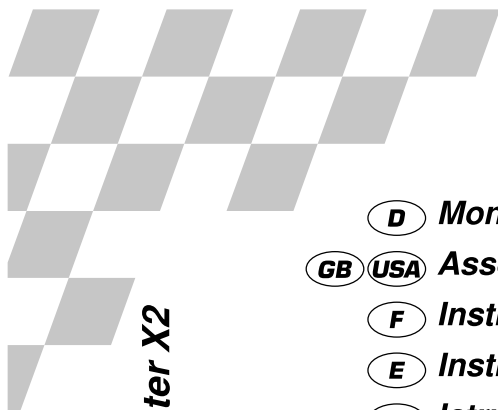




#370503032 Carrera RC Quadrocopter X2



- (D)** Montage- und Betriebsanleitung
- (GB)** **(USA)** Assembly and operating instructions
- (F)** Instructions de montage et d'utilisation
- (E)** Instrucciones de montaje y de servicio
- (I)** Istruzioni per il montaggio e l'uso
- (NL)** Montage- en gebruiksaanwijzing
- (P)** Instruções de montagem e modo de utilização
- (S)** Monterings- och bruksanvisning
- (FIN)** Asennus- ja käyttöohje
- (PL)** Instrukcja montażu i obsługi
- (H)** Szerelési és használati utasítás
- (SLO)** Navodila za montažo in uporabo
- (CZ)** Návod k montáži a obsluze
- (SK)** Návod na montáž a obsluhu
- (N)** Montajse- og bruksanvisning
- (DK)** Monterings- og driftsvejledning
- (Arabic)** إرشادات التركيب و الاستخدام



FR
Cet appareil,
ses accessoires
et cordons
se recyclent

À DÉPOSER
EN MAGASIN
OU
À DÉPOSER
EN DÉCHÈTERIE

Points de collecte sur www.quefairedemesdechets.fr
Privilégiez la réparation ou le don de votre appareil !



FR
Manuel

BAC
DE
TRI



Digitale Version
Digital version
Version numérique
Versión digital



Made in China - Fabriqué en Chine

05/2022_V01-03

RC Power
carrera-rc.com

Carrera Toys GmbH · Rennbahn Allee 1 · 5412 Puch / Salzburg · Austria

Ursache: Die Akku-Leistung reicht nicht aus.
Lösung: Den Akku aufladen (siehe Kapitel „Aufladen des Akkus“).
Problem: Der Quadrocopter verliert ohne ersichtlichen Grund während des Fluges an Geschwindigkeit und sinkt ab.
Ursache: Der Akku ist zu schwach.
Lösung: Den Akku aufladen (siehe Kap. „Aufladen des Akkus“).
Problem: Der Quadrocopter dreht sich nur noch im Kreis oder übersteigt sich beim Start.
Ursache: Falsch angeordnete oder beschädigte Rollschalter.
Lösung: Rollschalter wie in [20](#) [21](#) [22](#) beschrieben anbringen/ausaustauschen.

Irtrum und Änderungen vorbehalten - Farben/entlegliche Design - Änderungen vorbehalten
Technische und designbedingte Änderungen vorbehalten - Pakogramme = Symbolfotos



Congratulations! You bought a Carrera RC Quadrocopter 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. 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](#) in the service area.

WARNING! Before you fly the model, find out whether there is a legal requirement to insure model aeroplanes such as this in your country.

Declaration of conformity

Carrera Toys GmbH 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](#).



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 any fastenings before handing the toy over to the child. For information and to answer any questions, please read the packaging, address and instructions in a safe place for future reference. Keep the instructions for use for future reference. Note for adult supervisors: Check if the child is able to handle the toy safely. Only perform under the supervision of an adult.

WARNING! Not suitable for children under 12 years of age.

This product is not intended to be used by children without supervision of a parent. Flying the Quadrocopter 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!

WARNING: Do not fly near your face to avoid injuries. For use only outdoors – not to be used indoors. Risk of eye injuries. 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 Quadrocopter.

Start and fly in strictly forbidden near high voltage poles, railway tracks, roads, swimming pools or open water.
Only operate under good visibility and calm weather conditions.
Carefully observe the instructions and warnings of this product and for any possible additional equipment (e.g. spare propellers/batteries etc.) being used by you.
Special care must be taken when using the model in the rain or on a wet surface. Do not use the model in the rain or on a wet surface. The model is not waterproof and may be damaged by water.
Gas control to zero, in other words the left-hand joystick must be at the stop at the bottom of the stick.
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 Quadrocopter.

If you do not agree to these terms please immediately return the complete Quadrocopter 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 alkaline 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 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 three bars 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 empty rechargeable batteries together. Empty batteries should be removed from the product. Do not recharge non-rechargeable batteries due to risk of explosion. Batteries are to be inserted with the correct polarity.
WARNING! Rechargeable batteries are only to be charged by adults. Exhausted batteries are to be removed from the toy. Rechargeable batteries should be removed from the product before charging. Supply terminals are not to be short-circuited. Only use the batteries recommended or equivalent types. **WARNING: For the purposes of recharging the battery, only use the detachable supply unit provided with this toy.** Battery chargers used with the toy are to be regularly examined for damage to the cord, plug, enclosure and other parts, and in the event of such damage, they must not be used until the damage has been repaired. The toy is only to be connected to Class II equipment bearing the following symbol: or

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

NOTE: This product 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 product generates, uses, and can radiate radio frequency energy and it may interfere with radio communications. However, there is no guarantee that interference will not occur in a particular installation. If the product 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 the antenna.
- Increase the separation between the product and receiver.
- Connect the product 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.

IC statement

The device complies with Canadian Interference-Suppression (ICES) that comply with Innovation, Science and Economic Development Canada's Interference-Suppression (RSS). Operation is subject to the following two conditions:
(1) The device must not cause interference.
(2) The device must accept any interference, including interference that may cause undesired operation of the device.

CAN ICES-3 (B)MIB-3(B)

Guidelines and warnings for the use of LiPo rechargeable batteries

- You have to charge the attached 3.7 V $\approx$ 380 mAh/1.41 Wh LiPo rechargeable battery in a safe place and away from flammable materials.
- 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 controller). 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 outside any flammable material and watch it for at least 15 minutes. In case you find the battery is charging a light red or yellow color, the battery has to be taken out of operation.
- Store the rechargeable battery at ambient temperature in a dry place.

Always recharge the battery after use to prevent its becoming deep discharged. After use, the battery must be allowed to cool down for at least 20 minutes before it can be fully recharged. Recharge the battery occasionally (suggested every 2-3 months). Supply terminals are not to be short-circuited. Failure to treat the battery as described above can lead to its becoming defective. Never leave the battery unattended while it is being recharged.

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 of fire, the battery is broken it can be damaged or catch fire.

Note: If the battery voltage/output is low you will recognise that a considerable time and/or controlling is necessary to avoid that the Quadrocopter starts stalling. 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 Quadrocopter
- 1x Controller
- 1x USB charging cable
- 1x Rechargeable Battery
- 2x 1.5 V Nignon AA batteries (non-rechargeable)

Recharging the LiPo rechargeable battery

Rechargeable batteries are to be removed from the toy before being charged. 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 filled in the Quadrocopter 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 the Quadrocopter with a discharged battery, the LED on the USB charging cable no longer lights up, showing that the Quadrocopter battery is being charged. The USB charging cable and the charging socket on the Quadrocopter 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! Under the plugged connection on the Quadrocopter when you are not using the Quadrocopter, Failure to observe this precaution may cause battery damage!

Insertion of the rechargeable batteries into the Quadrocopter

- Open the cover of the battery compartment with the aid of the enclosed screwdriver. Insert the battery. Close the battery compartment.
- If the LED on the Quadrocopter flashes slowly, you must change the battery.

Inserting the batteries in the remote control

- 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

- The Carrera RC Quadrocopter and the controller automatically link up renewed with every operational start-up. If initially there are any problems with communication between the Carrera RC Quadrocopter and the remote control, please carry out a new frequency bind.
- Connect the battery in the model.
- The LEDs on the controller now flash rhythmically.
- Switch on the controller at the power switch.

- **WARNING! Immediately after switching it on, place the Quadrocopter on a flat and level surface. The gyro-system will then set itself automatically.**
- Slide the left joystick, thus the gas lever, completely up and down again into the zero position.
- Allow the helicopter a few moments until the system is correctly initialised and is ready for operation.
- The binding has now been successfully established.
- The LED on the controller now lights continually.

Description of the Quadrocopter

- 1. Rotor system
- 2. Rotor protection cage
- 3. LEDs
- 4. Battery cable
- 5. Quadrocopter connecting plug
- 6. Battery compartment

Range of functions of the remote control

- 1. Power (ON / OFF)
- 2. Control LED
- 3. Gas
- 4. Forward / backwards
- 5. Trimmer for right / left landing
- 6. Trimmer for forwards / backwards
- 7. Auto-Start & Fly to -1 m Button
- 8. Auto-Landing Button
- 9. Looping Button
- 10. Headless Mode
- 11. Return aid
- 12. Beginner/Advanced switch (30%/60%/100%)
- 13. Battery compartment

Choosing the flight area

- 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 Quadrocopter in relatively small rooms. For your first flights we strongly recommend you to choose a room with a minimum floor space of 5 x 5 metres and 2.40 metres in height. After having trimmed your Quadrocopter 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 Quadrocopter 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.
- 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 Quadrocopter.
- Connect the battery in the model.
- Link as described in [4](#).
- Press the button [7](#) to start the helicopter (Figure [7](#)).

- **Important note! Please perform the auto-trimming [7](#) before each flight without fail!**
- Check the control system.
- Make yourself familiar with the control system.
- **Trim the Quadrocopter 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 Quadrocopter is now ready to be flown.
- If the Quadrocopter displays no functions, retry the above binding procedure.
- Fly the model.
- Read the manual.
- **Disconnect the battery plug connection.**
- Always switch off the remote control last.

Flying the 4-channel Quadrocopter

NOTE!

Take care particularly in the first few flights, to move the lever on the controller very gently and not too quickly. 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 Quadrocopter moves forwards or to the side without your touching the respective lever,

please adjust the trim of the Quadrocopter as described in [17](#) [18](#) [19](#) [20](#).

- **4+ Gas (up / down)**
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.

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

- **To fly the Quadrocopter to the left or the right, push the lever on the right cautiously to the left or the right.**

- **To fly the Quadrocopter forwards or backwards, push the lever on the right cautiously forwards or backwards.**

Looping function

WARNING! ONLY FOR EXPERIENCED PILOTS!

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 Quadrocopter 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 $\times$ 8 m).

Beginner/Advanced switch

WARNING! 100 % IS ONLY FOR EXPERIENCED PILOTS!

- 30% = beginner mode
Signal sounds once on switching over.

- 60% = medium mode

- 100% = Advanced Mode > 2D Modus
The Quadrocopter reacts very sensitively to joystick movements. Signal sounds three times on switching over.

Headless Mode

The headless mode helps beginners learn how to fly. Regardless of which direction the Quadrocopter is rotated, the flight direction always corresponds exactly to the flight direction implemented on the controller. The beginner mode has to be switched on before the first flight. To do this, you press the "Headless Mode" button [12](#) on the controller. The flight joystick is used to circle on the spot with a 360-degree turn. To deactivate the Headless mode, press the button renewed.

Automatic control of altitude

- The Quadrocopter will maintain the current flying altitude automatically as soon as you release the left joystick during the flight. The right-hand joystick can be used to move backwards and fly right at the same height. The flight joystick is used to circle on the spot with a 360-degree turn.

Auto-Start & Fly to -1 m

- Press the Auto-Start & Fly to -1 m button on the controller. In order to start the motor 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 start-up. The trimmer for right / left landing is used to influence the direction of flight. The trimmer for forwards / backwards is used to influence the direction of flight. The flying height can be changed automatically as soon as the altitude of about 1 m has been reached. The flying height can be changed manually at any time by moving the left-hand joystick forwards (increases height) or backwards (reduces height).

Auto Landing

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

Trimming the Quadrocopter

- 1. **Auto-trimming**
1. Place the Quadrocopter on a horizontal surface.
2. Link the gas lever 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 Quadrocopter flashes on briefly and then lights up continuously. The signalling tone will sound once.
4. The neutral setting is completed.

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

- When hovering, if the Quadrocopter flies forwards or backwards without you moving the lever for forward or slow forwards, press the upper right trimmer for forwards / backwards in steps downwards. If the Quadrocopter moves backwards, press the trimmer for forwards / backwards in steps upwards.

- **Return aid**
Take care there are no obstructions in the flight path and that there is no wind! WARNING: the model is NOT equipped with a GPS system!

As long as this button is pressed, the quadrocopter returns back in the direction of the pilot, regardless of how it is positioned.

WARNING! Only functions if the quadrocopter is in front of the pilot.

Changing the rotor blades

- 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 hold the motor from below to stabilise it.

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

WARNING!

Be sure to note the marking and colour, also the tilt angle of the rotor blades!

Front left: red – marking "B"

Front right: black – marking "A"

Rear right: black – marking "A"

