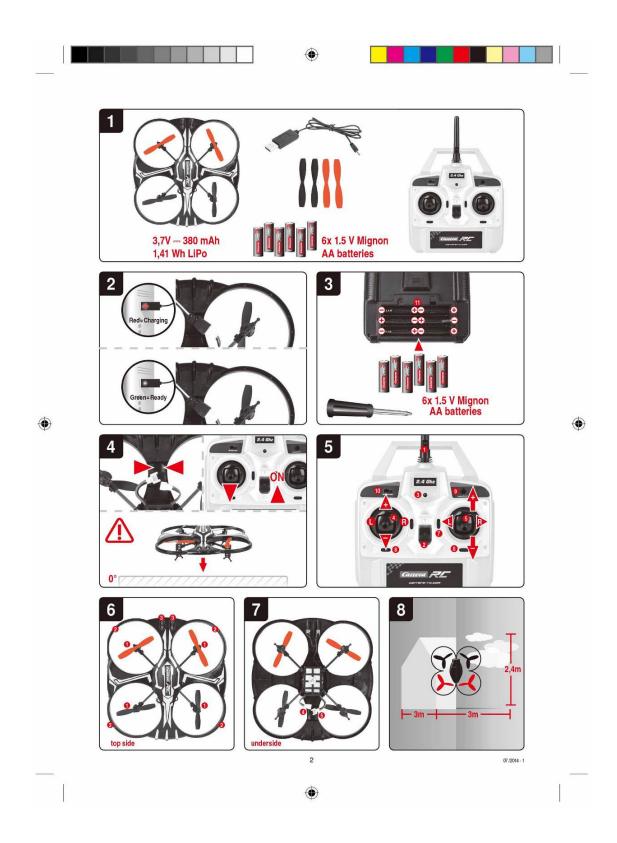


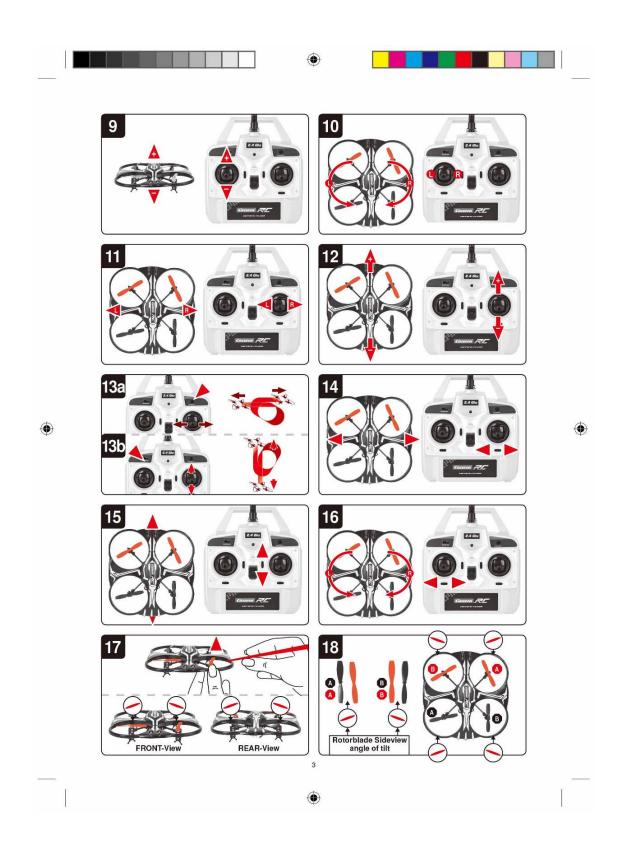
### 1.6 User Manual















#### Dear customer

Congratulation! 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 other-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 a capeted or any sight 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 guar-antee null and void. These instructions are to be kept for future reference and in the event that the product is passed

#### **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 operation 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, quarantee is as-Should any faults nevertheless occur, guarantee is as-sumed within the scope of the following conditions: In accordance with the following ordinishers. Stadlbauer Mar-keting + Vertrieb GmbH (hereinafter referred to as "manu-racturer") warrants to the endoconsumer (hereinafter referred to as "customer") that the Carrera RC-model-Quadrocopter (hereinafter referred to as "product") delivered to the customer shall be free from defects in material or workmanship tomer 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, ortor blades, cabin covering, gear wheels etc.), or damage as a result of improper handling/misuse or unauthorised distortance. Are other outcomer's elainer secretal casier. interference. Any other customer's claims asserted against the manufacturer, especially action for damages, shall be

excused. 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 and

  the product is sent in together with the original proof of purchase (invoice / receipt) and the completely filled in warranty card which has not been altered in any way.

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 guar antee.
The manufacturer shall bear the costs for sending in and

returning the product.
This warranty shall be valid to the extent aforementioned and

under the above-named circumstances (including the sub-mittal of the original proof of purchase also in case of resale) for any future owner of the product.

### Declaration of conformity

dibauer Marketing + Vertrieb GmbH hereby declares that this model including the controller conforms with the fundamental requirements of the following EC directives: CD Directives 2009/48 and 2004/108/EC regarding electro-magnetic compatibility and the other relevant regulations of Directive 1999/5/EC (R&TTE).

The original declaration of conformity can be requested from







### Warning!

### A remote-controlled Quadrocopter is NOT A TOY and is

A remote-controlled Quadrocopter is NOT A TOY and is only suitable for tenagers over the age of 14! This product is not intended for use by children without supervision of a parent. Inappropriate use may result in severe injuries and/or damage to property. It has to be operated with care and caution and requires both

It has to be operated with care and caution and requires both mechanical and mental skills. The operating instructions contain notes on safety and schnical regulations as well as information on maintaining and operating the product. It is indispensable to read these instructions throughly before the first usage. Only this helps to avoid accidents with injuries and damage.

Only use the Quadrocopter in closed rooms which provide a difficient sense, and follow all instructions pines in this

sufficient space and follow all instructions given in this manual. Make sure that no lose objects, including clothes, or other objects like pens or screwdrivers can become en-tangled in the rotor blades or can get in contact with them. Especially take care that your hands DO NOT get close to the rotor blades!

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

- Never use your model with weak remote control batteries Avoid busy areas. Always make sure that there is enough
- Preferably do not use your model on an open street or in public areas in order not to endanger or hurt anyone. Exactly observe the instructions and warnings for this product and for any possible additional equipment (battery
- product and to rary possible additional equipment (pattery charger, rechargeable batteries etc.) being used by you. Should the Quadrocopter 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 sidle! Make sure that all chemicals, small parts and electrical
- components are out of childrens' reach.

   Avoid any moisture as this might do damage to the elec-
- There is a risk to suffer severe injury or even death if you put parts of your model into your mouth or lick them.

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 re-

Important information concerning Lithium Polymer re-chargeable batteries

Lithium-Polymer (LIPO) rechargeable batteries are sig-nificantly more sensitive than traditional alkali- or NMM-re-chargeable batteries normally used with radio control units. Therefore the instructions and warmings have to be observed in detail. In case of improper use of LIPO rechargeable batter-ies than in a decent of the Assections to the size of the s ies 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 batteries, button cells, rechargeable batteries, button cells, rechargeable able 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. Batteries and disused and disused electrical equipment. Batteries and disused

and disused electrical equipment. Estateries and disused electrical equipment should be handed in to the usual collec-tion points where they can be properly recycled. Do not mix dissimilar bettery types or employ new and used batteries together. Empty batteries should be removed from the product. Do not attempt to recharge non-rechargeable

Rechargeable batteries should only be charged under adult rectangeable catteries should only be charged unioner awayervision. Never leave the battery unattended while it is chargling. Exhausted batteries are to 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 home.

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.

## Guidelines and warnings for the use of LiPo recharge-

- able batteries
   You have to charge the attached 3.7 V === 380 mAh/1,41 Wh LiPo rechargeable battery in a safe place and at a safe distance to flammable material.

- 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 ambeint air temperature before charging it.

  \*You must always use the corresponding LIP's charging unit

  (USB cable / remote control), in case of non-compliance
  with these directions there is a danger of fire resulting in
  beath his early direction of the company. INSUES lates any a health risk and/or damage to property. NEVER use any other battery charger.
- other battery charger.

  Should the rechargeable battery swell or deform while discharging or necharging, 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 official any inflammable material and which 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.

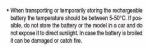








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Note: If the battery voltage/output is low you will recognise that a considerable trim and/or controlling is necessary to avoid that the Quadrocopter starts trundling. This usually occurs before reaching a battery voltage of 3 V and it is a good moment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

### Contents of package



- 1x Quadrocopter
- 1x Controller
  1x USB charging cable
  1x Set of replacement parts
  6x 1.5 V Mignon AA batteries (non-rechargeable)

# Recharging the LiPo rechargeable

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 batbattery with a dileteral Lino batterly charges for all young to there of hardy in simple cause sections damage. Please care-fully 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 Quad-rocopter with its USB charging cable from a USB port on a computer.



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# Charging via computer: • Rechargeable batteries

- Charging via computer:

   Rechargeable batteries are to be removed from the model before being charged.

   Connect the USB charging cable with the USB charged 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 Quadrocopter with a discharged battery, the LED on the USB charging cable lights up red and shows that the Quadrocopter battery is being charged. The USB charging cable and the charging socked not the Quadrocopter and excising the charge of the charge of the charge of the charge of the charged conditions 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
- LED display on the USB charger cable lights up

Note: when supplied, the lipo-battery is already partially charged. So the first charging cycle may well take less

It is essential to follow the connection sequence given It is essential to rollow the connection sequence given above! If you have the charger cable only connected to the quadrocopter, and not to a source of electricity, a green LED display indicates that there is still power in the battery. The green LED display does not necessarily indicate the battery is still adequately charged. Undo the plugged connection on the Quadrocopter when you are not using the Quadrocopter, Failure to ob-

serve this precaution may cause battery damage

# Inserting the batteries in the remote control



Open the battery compartment with a screwdriver and insert the batteries in the remote control. and insert the observes in the remote control.

Please keep in mind the correct polarity. 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 the LED on the remote control will light up the LED on the remote control will light up the LED on the remote control will light up the LED on the remote control will light up the LED on the remote control will light up the LED on the remote control will light up the LED on the remote control will light up the LED on the remote control will light up the LED on the remote control will light up the LED on the remote control will light up the LED on the remote control will light up the light up t

trol will light up red. When the control LED flashes rapidly, the batter-

ies in the controller must be changed

# Frequency bind between model and remote control



- The Carrera RC Quadrocopter and the remote control are frequency bound at purchase. If ini-tially 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 quadrocopter light up continu-
- Switch on the controller at the power switch. Push the left-hand joystick, i.e. the throttle lever, right to the top, then fully downwards into the
- zero position.

  The LEDs on the quadrocopter now flash rhythmically. The binding has now been successfully established. The LED on the controller now lights continuously.
- WARNING! Immediately after switching it on, place the Quadrocopter on a flat and level surface. The gyro-system will then set itself

## Range of functions of the remote control

- Aerial Power switch (ON / OFF) Control LED Power
   Contro
   Gas

  - Circlina 5. Forwards / backwards

  - right / left banking
    Trimmer for right / left banking
    Trimmer for forwards / backwards
    Trimmer for rotation
- Looping Button
- 10. Beginner/Advanced switch (30% / 60% / 100%) 11. Battery compartment 3

### **Description of the Quadrocopter**

- Rotor system
   Rotor protection cage
  - 3. LEDs
  - Battery cable
     Quadrocopter connecting plug

### 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 Quadrocopter in relatively small rooms. For your first flights we strongly recommend you choose a room with a minimum floor space of 3 x 3 metres and 2.40 metres in height. After having trimmed your Quadrocopter for flight and made yourself familiar with the control-ler and its functions you may start flying in smaller and less once neutromosts. Please. smaller and less open environments. Ple note that in spite of calm conditions near the ground, it can be very windy a little further from the ground. If this instruction is ignored, the Quadrocopter may suffer irreparable damage.

### 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 6 AA batteries in the controller, making sure their polar-
- ity is correct.
- ity is correct.

  Look for a suitable environment for thing.

  Connect the battery in the model.

  WARNINGI Immediately after switching it on, place the Quadrocopter on a fital and level surface. The gyrosystem will then set itself automatically.

  The LEDs on the quadrocopter flash red.
- · Switch on the controller at the ON/OFF sw
- \* switch on the controller at the CNVCP+ switch. Be sure to check the Beginner-Advanced switch (Bigs). Push the left-hand joystick, i.e. the throttle lever, right to the top, then fully downwards in the zero position in the zero position. Allow the Quadrocopter a tew moments until the system is correctly initialised and is ready for operation. The LED in the Quadrocopter now lights continuously. The LED on the controller and littles continuously. controller now lights continuously.

- controller now lights continuously.

  \*Repeat the above points as required, if you wish to fly more Quadrocopters at the same time.

  \*Check the control system.

  \*Make yourself familiar with the control system.

  \*Tim the Quadrocopter as necessary as described under #1 151 flb. so that when hovering it no longer moves from the spot without a command from the controller.

  \*\*Le Quadrocorter is over seaf-th. be from.\*\*
- The Quadrocopter is now ready to be flown
- . If the Quadrocopter displays no functions, retry the above binding procedure.

  Fly the model.
- Fig the model.
  Land the model.
  Disconnect the battery plug connection.
  Always switch off the remote control last.

### Flying the 4-channel Quadrocopter

### NOTE

NOTE:

Take care particularly in the first few flights to move
the lever on the controller very gently and not overhurriedly. 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 (12) 15 16).



+/- 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.



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

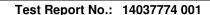


To fly the Quadrocopter to the left or the right, push the lever on the right cautiously to the left or the right.



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