

## 1.6 User Manual



The image shows the cover of the user manual for the Carrera RC Lap Counter. The cover is black with a white checkered flag graphic on the left side. The product name "Lap Counter" is written vertically in a large, white, stylized font. The Carrera RC logo is at the top right. A list of languages and their corresponding manual titles is provided in the center. At the bottom, the RC Power logo, the website "carrera-rc.com", and "Made in China" are visible.

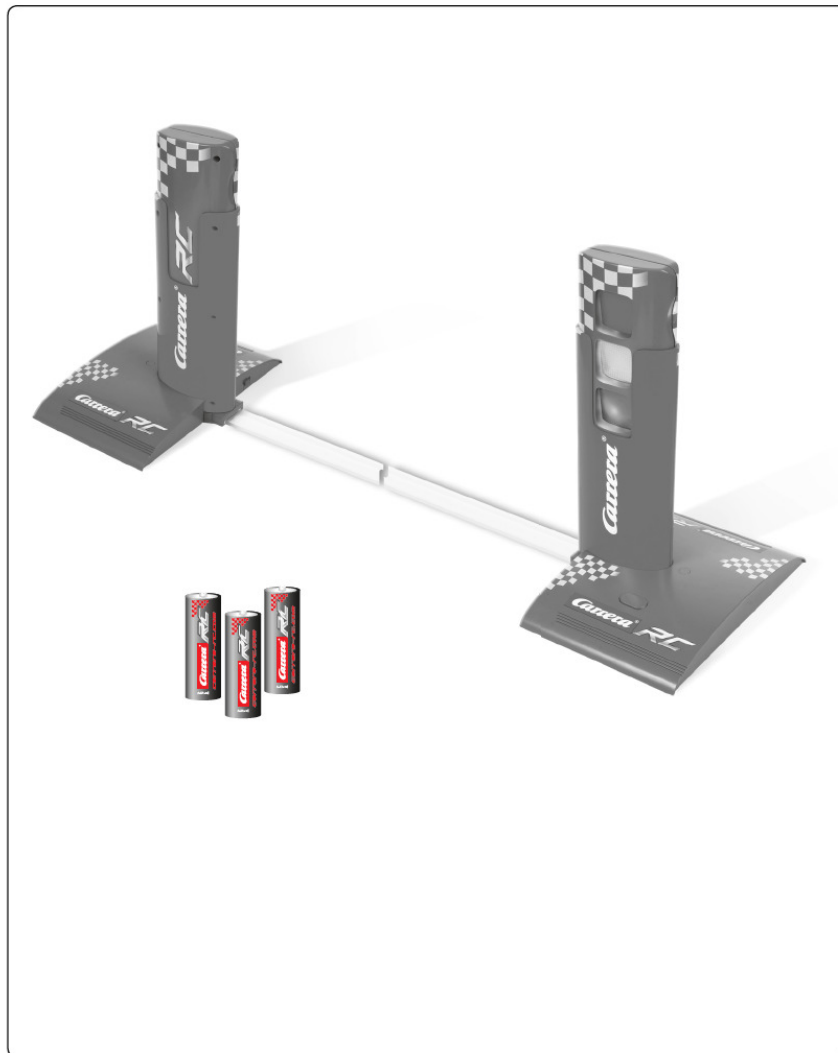
**Carrera** **RC**

**Lap Counter**  
#800025

- 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*
- N** *Montajse- og bruksanvisning*
- DK** *Monterings- og driftsvejledning*
- GR** *Οδηγίες συναρμολόγησης και λειτουργίας*

**RC Power**  
**carrera-rc.com**  
Made in China

*Lieferumfang · Contents of package · Fournitures · Contenido del embalaje  
Contenuto della forniture · Inhoud van de levering · Volume de fornecimento  
Leveransomfattning · Toimituslaajuus · Zakres dostawy · Szállítási terjedelem  
Vsebina pakiranja · Rozsah dodávky · Leveringsomfang  
Leveringsomfang · Παραδοτέος εξοπλισμός*



<b>Montage- und Betriebsanleitung</b> <i>Technische und designbedingte Änderungen vorbehalten</i>	4	<b>D</b>
<b>Assembly and operating instructions</b> <i>Subject to technical or design-related modification</i>	8	<b>GB</b> <b>USA</b>
<b>Instructions de montage et d'utilisation</b> <i>Sous réserve de modifications techniques et des véhicules</i>	12	<b>F</b>
<b>Instrucciones de montaje y de servicio</b> <i>Reservado el derecho a modificaciones técnicas o debidas al diseño</i>	16	<b>E</b>
<b>Istruzioni per il montaggio e l'uso</b> <i>Con riserva di modifiche tecniche e dovute al design</i>	20	<b>I</b>
<b>Montage- en gebruiksaanwijzing</b> <i>Technische en door het design bepaalde wijzigingen voorbehouden</i>	24	<b>NL</b>
<b>Instruções de montagem e modo de utilização</b> <i>Sujeito a alterações de design e técnicas</i>	28	<b>P</b>
<b>Monterings- och bruksanvisning</b> <i>Tekniska och designrelaterade ändringar förbehållna</i>	32	<b>S</b>
<b>Asennus- ja käyttöohje</b> <i>Oikeudet teknisiin ja muotoilumuutosten aiheuttamiin muutoksiin pidätetään</i>	36	<b>FIN</b>
<b>Instrukcja montażu i obsługi</b> <i>Zastrzega się prawo do zmian technicznych oraz uwarunkowanych wzornictwem</i>	40	<b>PL</b>
<b>Szerelési és használati utasítás</b> <i>A műszaki és formatervezésből eredő módosítások joga fenntartva</i>	44	<b>H</b>
<b>Navodila za montažo in uporabo</b> <i>Tehnično in oblikovno pogojene spremembe pridržane</i>	48	<b>SLO</b>
<b>Návod k montáži a obsluze</b> <i>Technické a designem podmíněné změny vyhrazeny</i>	52	<b>CZ</b>
<b>Montajse- og bruksanvisning</b> <i>Det tas forbehold om endringer i teknikk og design</i>	56	<b>N</b>
<b>Monterings- og driftsvejledning</b> <i>Tekniske og designmæssige ændringer forbeholdes</i>	60	<b>DK</b>
<b>Οδηγίες συναρμολόγησης και λειτουργίας</b> <i>Επιφύλαξη τεχνικών - σχεδιαστικών τροποποιήσεων</i>	64	<b>GR</b>

### Dear customer

We congratulate you on your purchase of a Carrera RC Lap Counter, which has been constructed in accordance with today's state of the art. 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.

### 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:

The guarantee covers demonstrable material or manufacturing defects that existed at the time that the Carrera product was purchased. The guarantee period is 24 months beginning with the date of purchase. The guarantee does not extend to wearing parts, damage caused by improper treatment or use, or unauthorised intervention. Repair may only be performed by Stadlbauer Marketing + Vertrieb GmbH itself or by a company it has authorised to do so. Within the scope of this guarantee, either the product as a whole or only the defective components will be replaced or equivalent substitution performed, as deemed appropriate by Stadlbauer Marketing + Vertrieb GmbH. The guarantee does not cover transport, packaging or travel costs or any damage for which the buyer is responsible. These costs are to be covered by the buyer. Guarantee claims will only be accepted from the original purchaser of the Carrera product.

Guarantee claims can only be accepted when:

- The card has been filled in properly and sent in together with the defective Carrera product and the purchase receipt/invoice/cash-register receipt.
- No unauthorised alterations have been made by the buyer to the guarantee card.
- The toy has been treated in accordance with the operating instructions and subjected to its intended use.
- The damage/faulty operation is not due to acts of God or normal wear and tear.

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 certifies that this model including controller complies with the fundamental requirements of EC directives 2009/48 and 2004/108/EC relating to electromagnetic compatibility and the other relevant regulations.

The original declaration of conformity can be requested from [carrera-rc.com](http://carrera-rc.com).

### Warning!

This remote-controlled model is NOT A PLAYTHING and is only suitable for young people over 14 years of age. This model is not intended for use by children, unless they are supervised by a responsible adult. 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.



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. Empty batteries should be removed from the product. Do not attempt to recharge non-rechargeable batteries. Rechargeable batteries should only be charged under adult supervision. 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 types. 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.

### Requirement for FCC Part 15

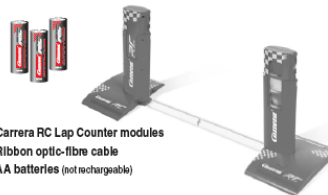
Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment 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 equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment 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 or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment 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.

### Contents of package



- 2x Carrera RC Lap Counter modules
- 1x Ribbon optic-fibre cable
- 3x AA batteries (not rechargeable)



**Safety Instructions**



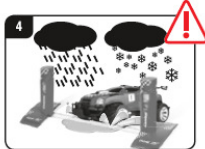
**1** The Carrera RC model is designed exclusively for the purpose of pursuing a hobby and may only be operated on tracks and spaces intended for the purpose.  
**CAUTION!** Do not use the Carrera RC vehicle in road traffic.



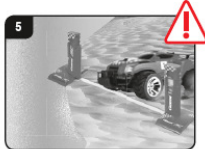
**2** Do not operate the car beneath overhead high-voltage cables or broadcasting masts or during a storm! Atmospheric disturbances can affect the operation of the vehicle. When there a large temperature differences between your car's garage and the running track, please wait until the vehicle has had time to acclimatise. This will help prevent condensation forming and the possibility of malfunctions resulting.



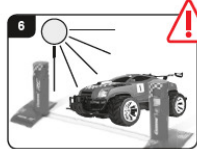
**3** Never operate the product on grass surfaces. There is the risk of grass hindering the movement of the axles, which can lead to the motor overheating. Do not use the Carrera RC vehicle for transporting goods, persons or animals.



**4** Never use the Carrera RC vehicle outdoors during rain or snowfall. The car must not be run through water, puddles and snow, and must always be kept stored in a dry place.



**5** Never use the model near rivers, ponds or lakes to avoid the possibility of the Carrera RC model falling into water. Avoid running on courses which are laid exclusively with sand.



**6** Never expose the Carrera RC model to direct sunlight. To avoid the electronics in the car overheating, when temperatures are above 35 °C, regular short pauses in operation are essential.



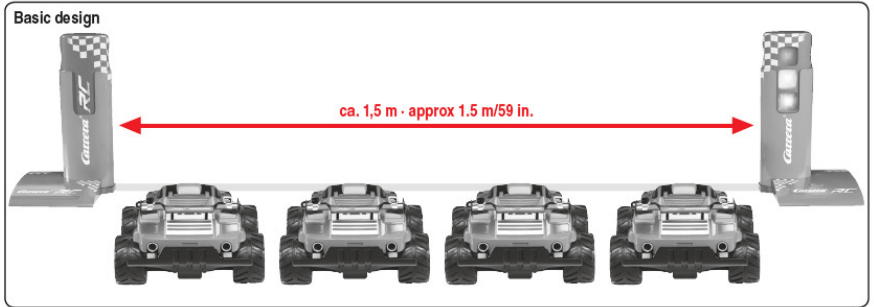
**7** Never use strong solvents for cleaning the car.



**8** Correct assembly of the Carrera RC model always be checked before and after every running session. If necessary, retighten all nut, bolts and screws.

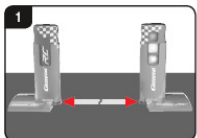


**Description of the Carrera RC Lap Counter**

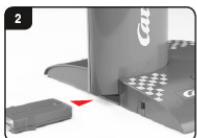


Maximum 4 vehicles per row. Up to 63 vehicles per race.

**How to use the Carrera RC Lap Counter**



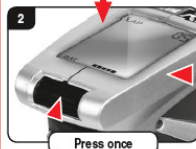
Place the traffic light module and the second module on a flat and level surface and connect them to each other with the fibre-optic cable supplied.



To be able to take part in the race, the participants must keep their controllers within a radius of 5 metres of the Lap Counter traffic light module both before and during the race itself.



Switch on one controller of the Carrera Racing Machine and define the number of laps. Please make sure that no higher number of laps is entered on any other Controller since the Lap Counter will always accept the highest value entered for all participants.



**1. Stop-watch**  
When the controller is switched on, the stop-watch appears. Press for 3 seconds to get into the sub-menu.



**2. LAP**  
By turning the little wheel, here you can alter the number of laps to be run in a race. Press once to move to the next menu.



**3. Time runs**  
Press once to move to the next menu.

**4. SP=TH Trimm**  
To store, press for three seconds on the small wheel.

(See also instructions for the Racing Machine from May 2011, or on [carrera-rc.com](http://carrera-rc.com))

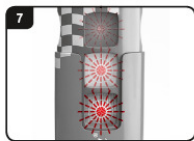




5 Switch the Carrera RC Lap Counter on at the left-hand side of the traffic light module.



6 Press once on the button on the traffic light module.



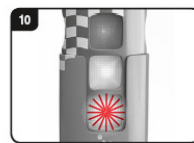
7 The light switches into running light mode and starts to look for participants.



8 Now switch on the previously programmed controller and the display switches automatically into RACE mode. Any other controller within range will now log on automatically, so make sure that when you switch on the first controller, there are no other controllers switched on. Now all the other competitors in the race can switch on their controllers. Check the number of participants.



9 Once all participants are logged on, press once again on the button on the traffic light module (about 3 seconds) and the starting sequence commences.



10 As soon as the traffic light changes to green, the race can start.



11 On the display you will now see the race time and your position, each time you cross the start-finish line, as well as your fastest lap.

For a new start, press the button on the traffic light module for one second so that the traffic light switches into running mode again (see Fig. 7).



12 After the race, always switch off the model first, then the controller and Lap Counter.



### Troubleshooting

Problem	Cause	Solution
The Lap Counter is not working	No battery, or too weak a battery, in the Lap Counter	Replace the batteries in the Lap Counter. Make sure you switch off the Lap Counter after using it (page 11, Fig. 12)
	The Lap Counter has a temporary malfunction	Press the small round "Soft Reset" button above the button on the traffic light module
Wrong lap number shown on the controller display	Another participant has set a greater number of laps than you have	Check the controllers of all the participants as described on page 10. Alter the number of laps on the participants' controllers to a lower figure than that shown on the first controller
The lap number on the controller is not changing	The sensor on the car is dirty	Please clean the sensor, which is located on the underneath of the car between the front wheels
	The ribbon fibre-optic cable is dirty	Clean the ribbon fibre-optic cable
	The ribbon fibre-optic cable is not correctly connected to the Lap Counter modules	Check the connection of the ribbon fibre-optic cable with the Lap Counter modules (page 10)
The controller does not switch over to race mode	No battery, or too weak a battery, in the Lap Counter	Replace the batteries in the Lap Counter
	The Lap Counter is not in running lights mode	Start the running lights mode as described on page 11 (see page 11, Figs 5-7)
	The Lap Counter has a temporary malfunction	Press the small round "Soft Reset" button above the button on the traffic light module

Should you need spare parts, you will find a complete list of the available parts under [carrera-rc.com](http://carrera-rc.com) in the service area.

Errors and changes excepted  
Colours / final design – changes excepted

Technical changes and design-related changes excepted  
Pictograms – symbolic photos